

# Software license notices for hardknott.TQMa8.BSP.SW.0086

The product contains Open Source software programs and firmware (including Proprietary Software or Open Source Software) which are protected by copyrights.

You are entitled to use the Open Source software in accordance with the applicable Open Source software license conditions. If there is any conflict between the Open Source software license conditions and the license conditions applicable to the product, the Open Source software license conditions shall take precedence in relation to the Open Source software.

We, TQ-Systems GmbH, are liable for the product including the Open Source software and firmware (including Proprietary Software or Open Source Software) it contains in accordance with the license conditions applicable to the product. This excludes any liability for use of the Open Source software that goes beyond the program sequence intended by us for the product and also excludes any liability for defects that are caused by changes by third parties made to the Open Source software, for example, after delivery by TQ-Systems.

In relation to the rights holders, the following disclaimer of liability applies to the GPL and LGPL components:

"This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License and the GNU Lesser General Public License for more details."

For the remaining Open Source components, the liability exclusions of the rights holders applies in the respective license texts.

We reserve the right to refuse providing technical support for the product if it has been modified by third parties.

The product includes the following software components:

<b>Name of the software</b>	<b>Name of the software license</b>
<i>U-Boot</i>	<i>GNU General Public License, version 2</i>
<i>ARM Trusted Firmware</i>	<i>BSD 3-Clause "New" or "Revised" License</i>
<i>DDR4 controller Firmware</i>	<i>LA_OPT_NXP_Software_License v17 October 2020</i>

This product contains software components that are licensed by the holder of the rights as free software, or Open Source software, under GNU General Public License, Versions 2 and 3, or GNU Lesser General Public License, Versions 2.1 and 3.0, respectively.

The source code for these software components can be obtained from us on a data carrier (CD-ROM, DVD or USB stick) by submitting a request to our customer service department at *TQ-Systems GmbH, Mühlstr.2, 82229 Seefeld* or by e-mail to [emb.license@tq-group.com](mailto:emb.license@tq-group.com) within within three years after delivery of the product by us or as long as we offer spare parts or customer support for this product model. Please provide the following product information

*[Name]*

*[serial number - if available]*

For creation of the data carrier and its shipping EUR 49,00,- will be charged.

.

License texts and copyright notices of the software components contained:

=====

u-boot-tqmaxx.git

-----

=====

MAIN LICENSES

-----

u-boot-exception-2.0

GPL License Exception:

Even though U-Boot in general is covered by the GPL-2.0/GPL-2.0+, this does *\*not\** cover the so-called "standalone" applications that use U-Boot services by means of the jump table provided by U-Boot exactly for this purpose - this is merely considered normal use of U-Boot, and does *\*not\** fall under the heading of "derived work".

The header files "include/image.h" and "arch/\*/include/asm/u-boot.h" define interfaces to U-Boot. Including these (unmodified) header files in another file is considered normal use of U-Boot, and does *\*not\** fall under the heading of "derived work".

-- Wolfgang Denk

-----

GPL-2.0

GNU GENERAL PUBLIC LICENSE  
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.  
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301, USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Lesser General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

#### TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

#### NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS

AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

one line to give the program's name and an idea of what it does. Copyright (C) yyyy name of author

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301, USA. Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'. This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

signature of Ty Coon, 1 April 1989 Ty Coon, President of Vice

-----  
=====

OTHER LICENSES

-----

Python-2.4

Python 2.4 license

This is the official license for the Python 2.4 release:

#### A. HISTORY OF THE SOFTWARE

=====

Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see <http://www.zope.com>). In 2001, the Python Software Foundation (PSF, see <http://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

All Python releases are Open Source (see <http://www.opensource.org> for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no

2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.2	2.1.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2.1	2.2	2002	PSF	yes
2.2.2	2.2.1	2002	PSF	yes
2.2.3	2.2.2	2003	PSF	yes
2.3	2.2.2	2002-2003	PSF	yes
2.3.1	2.3	2002-2003	PSF	yes
2.3.2	2.3.1	2002-2003	PSF	yes
2.3.3	2.3.2	2002-2003	PSF	yes
2.3.4	2.3.3	2004	PSF	yes
2.4	2.3	2004	PSF	yes

Footnotes:

(1) GPL-compatible doesn't mean that we're distributing Python under the GPL. All Python licenses, unlike the GPL, let you distribute a modified version without making your changes open source. The GPL-compatible licenses make it possible to combine Python with other software that is released under the GPL; the others don't.

(2) According to Richard Stallman, 1.6.1 is not GPL-compatible, because its license has a choice of law clause. According to CNRI, however, Stallman's lawyer has told CNRI's lawyer that 1.6.1 is "not incompatible" with the GPL.

Thanks to the many outside volunteers who have worked under Guido's direction to make these releases possible.

B. TERMS AND CONDITIONS FOR ACCESSING OR OTHERWISE USING PYTHON

=====

PSF LICENSE AGREEMENT FOR PYTHON 2.4

-----

1. This LICENSE AGREEMENT is between the Python Software Foundation ("PSF"), and the Individual or Organization ("Licensee") accessing and otherwise using Python 2.4 software in source or binary form and its associated documentation.
  
2. Subject to the terms and conditions of this License Agreement, PSF hereby grants Licensee a nonexclusive, royalty-free, world-wide license to reproduce, analyze, test, perform and/or display publicly, prepare derivative works, distribute, and otherwise use Python 2.4 alone or in any derivative version, provided, however, that PSF's License Agreement and PSF's notice of copyright, i.e., "Copyright (c) 2001, 2002, 2003, 2004 Python Software Foundation; All Rights Reserved" are retained in Python 2.4 alone or in any derivative version prepared by Licensee.
  
3. In the event Licensee prepares a derivative work that is based on or incorporates Python 2.4 or any part thereof, and wants to make the derivative work available to others as provided herein, then Licensee hereby agrees to include in any such work a brief summary of the changes made to Python 2.4.
  
4. PSF is making Python 2.4 available to Licensee on an "AS IS" basis. PSF MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED. BY WAY OF EXAMPLE, BUT NOT LIMITATION, PSF MAKES NO AND DISCLAIMS ANY REPRESENTATION OR WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF PYTHON 2.4 WILL NOT INFRINGE ANY THIRD PARTY RIGHTS.
  
5. PSF SHALL NOT BE LIABLE TO LICENSEE OR ANY OTHER USERS OF PYTHON



2.4 FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES OR LOSS AS A RESULT OF MODIFYING, DISTRIBUTING, OR OTHERWISE USING PYTHON 2.4, OR ANY DERIVATIVE THEREOF, EVEN IF ADVISED OF THE POSSIBILITY THEREOF.

6. This License Agreement will automatically terminate upon a material breach of its terms and conditions.

7. Nothing in this License Agreement shall be deemed to create any relationship of agency, partnership, or joint venture between PSF and Licensee. This License Agreement does not grant permission to use PSF trademarks or trade name in a trademark sense to endorse or promote products or services of Licensee, or any third party.

8. By copying, installing or otherwise using Python 2.4, Licensee agrees to be bound by the terms and conditions of this License Agreement.

BEOPEN.COM LICENSE AGREEMENT FOR PYTHON 2.0

-----

BEOPEN PYTHON OPEN SOURCE LICENSE AGREEMENT VERSION 1

1. This LICENSE AGREEMENT is between BeOpen.com ("BeOpen"), having an office at 160 Saratoga Avenue, Santa Clara, CA 95051, and the Individual or Organization ("Licensee") accessing and otherwise using this software in source or binary form and its associated documentation ("the Software").

2. Subject to the terms and conditions of this BeOpen Python License Agreement, BeOpen hereby grants Licensee a non-exclusive, royalty-free, world-wide license to reproduce, analyze, test, perform and/or display publicly, prepare derivative works, distribute, and otherwise use the Software alone or in any derivative version, provided, however, that the BeOpen Python License is retained in the

Software, alone or in any derivative version prepared by Licensee.

3. BeOpen is making the Software available to Licensee on an "AS IS" basis. BEOPEN MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED. BY WAY OF EXAMPLE, BUT NOT LIMITATION, BEOPEN MAKES NO AND DISCLAIMS ANY REPRESENTATION OR WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF THE SOFTWARE WILL NOT INFRINGE ANY THIRD PARTY RIGHTS.

4. BEOPEN SHALL NOT BE LIABLE TO LICENSEE OR ANY OTHER USERS OF THE SOFTWARE FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES OR LOSS AS A RESULT OF USING, MODIFYING OR DISTRIBUTING THE SOFTWARE, OR ANY DERIVATIVE THEREOF, EVEN IF ADVISED OF THE POSSIBILITY THEREOF.

5. This License Agreement will automatically terminate upon a material breach of its terms and conditions.

6. This License Agreement shall be governed by and interpreted in all respects by the law of the State of California, excluding conflict of law provisions. Nothing in this License Agreement shall be deemed to create any relationship of agency, partnership, or joint venture between BeOpen and Licensee. This License Agreement does not grant permission to use BeOpen trademarks or trade names in a trademark sense to endorse or promote products or services of Licensee, or any third party. As an exception, the "BeOpen Python" logos available at <http://www.pythonlabs.com/logos.html> may be used according to the permissions granted on that web page.

7. By copying, installing or otherwise using the software, Licensee agrees to be bound by the terms and conditions of this License Agreement.

1. This LICENSE AGREEMENT is between the Corporation for National Research Initiatives, having an office at 1895 Preston White Drive, Reston, VA 20191 ("CNRI"), and the Individual or Organization ("Licensee") accessing and otherwise using Python 1.6.1 software in source or binary form and its associated documentation.

2. Subject to the terms and conditions of this License Agreement, CNRI hereby grants Licensee a nonexclusive, royalty-free, world-wide license to reproduce, analyze, test, perform and/or display publicly, prepare derivative works, distribute, and otherwise use Python 1.6.1 alone or in any derivative version, provided, however, that CNRI's License Agreement and CNRI's notice of copyright, i.e., "Copyright (c) 1995-2001 Corporation for National Research Initiatives; All Rights Reserved" are retained in Python 1.6.1 alone or in any derivative version prepared by Licensee. Alternately, in lieu of CNRI's License Agreement, Licensee may substitute the following text (omitting the quotes): "Python 1.6.1 is made available subject to the terms and conditions in CNRI's License Agreement. This Agreement together with Python 1.6.1 may be located on the Internet using the following unique, persistent identifier (known as a handle): 1895.22/1013. This Agreement may also be obtained from a proxy server on the Internet using the following URL: <http://hdl.handle.net/1895.22/1013>".

3. In the event Licensee prepares a derivative work that is based on or incorporates Python 1.6.1 or any part thereof, and wants to make the derivative work available to others as provided herein, then Licensee hereby agrees to include in any such work a brief summary of the changes made to Python 1.6.1.

4. CNRI is making Python 1.6.1 available to Licensee on an "AS IS" basis. CNRI MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED. BY WAY OF EXAMPLE, BUT NOT LIMITATION, CNRI MAKES NO AND DISCLAIMS ANY REPRESENTATION OR WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF PYTHON 1.6.1 WILL NOT

INFRINGE ANY THIRD PARTY RIGHTS.

5. CNRI SHALL NOT BE LIABLE TO LICENSEE OR ANY OTHER USERS OF PYTHON 1.6.1 FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES OR LOSS AS A RESULT OF MODIFYING, DISTRIBUTING, OR OTHERWISE USING PYTHON 1.6.1, OR ANY DERIVATIVE THEREOF, EVEN IF ADVISED OF THE POSSIBILITY THEREOF.

6. This License Agreement will automatically terminate upon a material breach of its terms and conditions.

7. This License Agreement shall be governed by the federal intellectual property law of the United States, including without limitation the federal copyright law, and, to the extent such U.S. federal law does not apply, by the law of the Commonwealth of Virginia, excluding Virginia's conflict of law provisions. Notwithstanding the foregoing, with regard to derivative works based on Python 1.6.1 that incorporate non-separable material that was previously distributed under the GNU General Public License (GPL), the law of the Commonwealth of Virginia shall govern this License Agreement only as to issues arising under or with respect to Paragraphs 4, 5, and 7 of this License Agreement. Nothing in this License Agreement shall be deemed to create any relationship of agency, partnership, or joint venture between CNRI and Licensee. This License Agreement does not grant permission to use CNRI trademarks or trade name in a trademark sense to endorse or promote products or services of Licensee, or any third party.

8. By clicking on the "ACCEPT" button where indicated, or by copying, installing or otherwise using Python 1.6.1, Licensee agrees to be bound by the terms and conditions of this License Agreement.

ACCEPT

-----  
Copyright (c) 1991 - 1995, Stichting Mathematisch Centrum Amsterdam,  
The Netherlands. All rights reserved.

Permission to use, copy, modify, and distribute this software and its  
documentation for any purpose and without fee is hereby granted,  
provided that the above copyright notice appear in all copies and that  
both that copyright notice and this permission notice appear in  
supporting documentation, and that the name of Stichting Mathematisch  
Centrum or CWI not be used in advertising or publicity pertaining to  
distribution of the software without specific, written prior  
permission.

STICHTING MATHEMATISCH CENTRUM DISCLAIMS ALL WARRANTIES WITH REGARD TO  
THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND  
FITNESS, IN NO EVENT SHALL STICHTING MATHEMATISCH CENTRUM BE LIABLE  
FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES  
WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN  
ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT  
OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

-----  
BSD-3-Clause Google

Copyright <year> The Chromium Authors. All rights reserved.

Redistribution and use in source and binary forms, with or without  
modification, are permitted provided that the following conditions are  
met:

\* Redistributions of source code must retain the above copyright notice, this list of conditions and the following  
disclaimer.

\* Redistributions in binary form must reproduce the above  
copyright notice, this list of conditions and the following disclaimer  
in the documentation and/or other materials provided with the  
distribution.

\* Neither the name of Google Inc. nor the names of its contributors may be used to endorse or promote products derived  
from  
this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

---

GSB permissive

You may use this program, or code or tables extracted from it, as desired without restriction.

---

Renesas Binary Distribution

Renesas Electronics Corporation

All rights reserved.

Redistribution and use in binary form, without modification, are permitted provided that the following conditions are met:

1. Redistribution in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
2. The name of Renesas Electronics Corporation may not be used to endorse or promote products derived from this software without specific prior written permission.
3. Reverse engineering, decompilation, or disassembly of this software is not permitted.

THIS SOFTWARE IS PROVIDED "AS IS" AND RENESAS ELECTRONICS CORPORATION DISCLAIMS ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, AND NON-INFRINGEMENT OF THIRD PARTY RIGHTS. IN NO EVENT SHALL RENESAS ELECTRONICS CORPORATION BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

---

bzip2-1.0

This program, "bzip2" and associated library "libbzip2", are  
copyright (C) 1996-2000 Julian R Seward. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated but is not required.
3. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software.
4. The name of the author may not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Julian Seward, Cambridge, UK.

[jseward@acm.org](mailto:jseward@acm.org)

bzip2/libbzip2 version 1.0 of 21 March 2000

-----  
Unicode-DFS-2016

UNICODE, INC. LICENSE AGREEMENT - DATA FILES AND SOFTWARE

Unicode Data Files include all data files under the directories <http://www.unicode.org/Public/>, <http://www.unicode.org/reports/>, <http://www.unicode.org/cldr/data/>, <http://source.icu-project.org/repos/icu/>, and <http://www.unicode.org/utility/trac/browser/>.

Unicode Data Files do not include PDF online code charts under the directory <http://www.unicode.org/Public/>.

Software includes any source code published in the Unicode Standard or under the directories <http://www.unicode.org/Public/>, <http://www.unicode.org/reports/>, <http://www.unicode.org/cldr/data/>, <http://source.icu-project.org/repos/icu/>, and <http://www.unicode.org/utility/trac/browser/>.

NOTICE TO USER: Carefully read the following legal agreement. BY DOWNLOADING, INSTALLING, COPYING OR OTHERWISE USING UNICODE INC.'S DATA FILES ("DATA FILES"), AND/OR SOFTWARE ("SOFTWARE"), YOU UNEQUIVOCALLY ACCEPT, AND AGREE TO BE BOUND BY, ALL OF THE TERMS AND CONDITIONS OF THIS AGREEMENT. IF YOU DO NOT AGREE, DO NOT DOWNLOAD, INSTALL, COPY, DISTRIBUTE OR USE THE DATA FILES OR SOFTWARE.

COPYRIGHT AND PERMISSION NOTICE

Copyright © 1991-2016 Unicode, Inc. All rights reserved. Distributed under the Terms of Use in <http://www.unicode.org/copyright.html>.

Permission is hereby granted, free of charge, to any person obtaining a copy of the Unicode data files and any associated documentation (the "Data Files") or Unicode software and any associated documentation (the "Software") to deal in the Data Files or Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, and/or sell copies of the Data Files or Software, and to permit persons to whom the Data Files or Software are furnished to do so, provided that either

- (a) this copyright and permission notice appear with all copies of the Data Files or Software, or
- (b) this copyright and permission notice appear in associated Documentation.

THE DATA FILES AND SOFTWARE ARE PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF THIRD PARTY RIGHTS. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR HOLDERS INCLUDED IN THIS NOTICE BE LIABLE FOR ANY CLAIM, OR ANY SPECIAL INDIRECT OR CONSEQUENTIAL DAMAGES, OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THE DATA FILES OR SOFTWARE.

Except as contained in this notice, the name of a copyright holder shall not be used in advertising or otherwise to promote the sale, use or other dealings in these Data Files or Software without prior written authorization of the copyright holder.

---

HPND-sell-variant

Permission to use, copy, modify, distribute, and sell this software and its documentation for any purpose is hereby granted without fee, provided that the above copyright notice appears in all copies, and that both that the copyright notice and this permission notice appear in supporting documentation, and that the name of <copyright holder> <or related entities> not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission . <copyright holder> makes no representations about the suitability of this software for any purpose. It is provided "as is" without express or implied warranty.

<copyright holder> DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS . IN NO EVENT SHALL <copyright holder> BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

---

HPND-sell-variant

Copyright 1993 by OpenVision Technologies, Inc.

Permission to use, copy, modify, distribute, and sell this software and its documentation for any purpose is hereby granted without fee, provided that the above copyright notice appears in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of OpenVision not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission. OpenVision makes no representations about the suitability of this software for any purpose. It is provided "as is" without express or implied warranty.

OPENVISION DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL OPENVISION BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

---

eCos-exception-2.0

As a special exception, if other files instantiate templates or use macros or inline functions from this file, or you compile this file and link it with other works to produce a work based on this file, this file does not by itself cause the resulting work to be covered by the GNU General Public License. However the source code for this file must still be made available in accordance with section (3) of the GNU General Public License.



This exception does not invalidate any other reasons why a work based on this file might be covered by the GNU General Public License.

---

Linux-syscall-note

NOTE! This copyright does *\*not\** cover user programs that use kernel services by normal system calls - this is merely considered normal use of the kernel, and does *\*not\** fall under the heading of "derived work". Also note that the GPL below is copyrighted by the Free Software Foundation, but the instance of code that it refers to (the Linux kernel) is copyrighted by me and others who actually wrote it.

Also note that the only valid version of the GPL as far as the kernel is concerned is `_this_` particular version of the license (ie v2, not v2.2 or v3.x or whatever), unless explicitly otherwise stated.

Linus Torvalds

---

bzip2-1.0.6

This program, "bzip2", the associated library "libbzip2", and all documentation, are copyright (C) 1996-2010 Julian R Seward. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated but is not required.
3. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software.
4. The name of the author may not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Julian Seward, [jseward@bzip.org](mailto:jseward@bzip.org) bzip2/libbzip2 version 1.0.6 of 6 September 2010

---

Beerware

"THE BEER-WARE LICENSE" (Revision 42): <[phk@FreeBSD.ORG](mailto:phk@FreeBSD.ORG)> wrote this file. As long as you retain this notice you can do whatever you want with this stuff. If we meet some day, and you think this stuff is worth it, you can buy me a beer in return Poul-Henning Kamp

---

CC-BY-SA-4.0

Creative Commons Attribution-ShareAlike 4.0 International

Creative Commons Corporation ("Creative Commons") is not a law firm and does not provide legal services or legal advice. Distribution of Creative Commons public licenses does not create a lawyer-client or other relationship. Creative Commons makes its licenses and related information available on an "as-is" basis. Creative Commons gives no warranties regarding its licenses, any material licensed under their terms and conditions, or any related information. Creative Commons disclaims all liability for damages resulting from their use to the fullest extent possible.

Using Creative Commons Public Licenses

Creative Commons public licenses provide a standard set of terms and conditions that creators and other rights holders may use to share original works of authorship and other material subject to copyright and certain other rights specified in the public license below. The following considerations are for informational purposes only, are not exhaustive, and do not form part of our licenses.

Considerations for licensors: Our public licenses are intended for use by those authorized to give the public permission to use material in ways otherwise restricted by copyright and certain other rights. Our licenses are irrevocable. Licensors should read and understand the terms and conditions of the license they choose before applying it. Licensors should also secure all rights necessary before applying our licenses so that the public can reuse the material as expected. Licensors should clearly mark any material not subject to the license. This includes other CC-licensed material, or material used under an exception or limitation to copyright. More considerations for licensors.

Considerations for the public: By using one of our public licenses, a licensor grants the public permission to use the licensed material under specified terms and conditions. If the licensor's permission is not necessary for any reason—for example, because of any applicable exception or limitation to copyright—then that use is not regulated by the license. Our licenses grant only permissions under copyright and certain other rights that a licensor has authority to grant. Use of the licensed material may still be restricted for other reasons, including because others have copyright or other rights in the material. A licensor may make special requests, such as asking that all changes be marked or described.

Although not required by our licenses, you are encouraged to respect those requests where reasonable. More considerations for the public.

Creative Commons Attribution-ShareAlike 4.0 International Public License

By exercising the Licensed Rights (defined below), You accept and agree to be bound by the terms and conditions of this Creative Commons Attribution-ShareAlike 4.0 International Public License ("Public License"). To the extent this Public License may be interpreted as a contract, You are granted the Licensed Rights in consideration of Your acceptance of these terms and conditions, and the Licensor grants You such rights in consideration of benefits the Licensor receives from making the Licensed Material available under these terms and conditions.

Section 1 – Definitions.

- a. Adapted Material means material subject to Copyright and Similar Rights that is derived from or based upon the Licensed Material and in which the Licensed Material is translated, altered, arranged, transformed, or otherwise modified in a manner requiring permission under the Copyright and Similar Rights held by the Licensor. For purposes of this Public License, where the Licensed Material is a musical work, performance, or sound recording, Adapted Material is always produced where the Licensed Material is synched in timed relation with a moving image.
- b. Adapter's License means the license You apply to Your Copyright and Similar Rights in Your contributions to Adapted Material in accordance with the terms and conditions of this Public License.
- c. BY-SA Compatible License means a license listed at [creativecommons.org/compatiblelicenses](https://creativecommons.org/compatiblelicenses), approved by Creative Commons as essentially the equivalent of this Public License.
- d. Copyright and Similar Rights means copyright and/or similar rights closely related to copyright including, without limitation, performance, broadcast, sound recording, and Sui Generis Database Rights, without regard to how the rights are labeled or categorized. For purposes of this Public License, the rights specified in Section 2(b)(1)-(2) are not Copyright and Similar Rights.
- e. Effective Technological Measures means those measures that, in the absence of proper authority, may not be circumvented under laws fulfilling obligations under Article 11 of the WIPO Copyright Treaty adopted on December 20, 1996, and/or similar international agreements.
- f. Exceptions and Limitations means fair use, fair dealing, and/or any other exception or limitation to Copyright and Similar Rights that applies to Your use of the Licensed Material.

g. License Elements means the license attributes listed in the name of a Creative Commons Public License. The License Elements of this Public License are Attribution and ShareAlike.

h. Licensed Material means the artistic or literary work, database, or other material to which the Licensor applied this Public License.

i. Licensed Rights means the rights granted to You subject to the terms and conditions of this Public License, which are limited to all Copyright and Similar Rights that apply to Your use of the Licensed Material and that the Licensor has authority to license.

j. Licensor means the individual(s) or entity(ies) granting rights under this Public License.

k. Share means to provide material to the public by any means or process that requires permission under the Licensed Rights, such as reproduction, public display, public performance, distribution, dissemination, communication, or importation, and to make material available to the public including in ways that members of the public may access the material from a place and at a time individually chosen by them.

l. Sui Generis Database Rights means rights other than copyright resulting from Directive 96/9/EC of the European Parliament and of the Council of 11 March 1996 on the legal protection of databases, as amended and/or succeeded, as well as other essentially equivalent rights anywhere in the world.

m. You means the individual or entity exercising the Licensed Rights under this Public License. Your has a corresponding meaning.

## Section 2 – Scope.

a. License grant.

1. Subject to the terms and conditions of this Public License, the Licensor hereby grants You a worldwide, royalty-free, non-sublicensable, non-exclusive, irrevocable license to exercise the Licensed Rights in the Licensed Material to:

A. reproduce and Share the Licensed Material, in whole or in part; and

B. produce, reproduce, and Share Adapted Material.

2. Exceptions and Limitations. For the avoidance of doubt, where Exceptions and Limitations apply to Your use, this Public License does not apply, and You do not need to comply with its terms and conditions.

3. Term. The term of this Public License is specified in Section 6(a).

4. Media and formats; technical modifications allowed. The Licensor authorizes You to exercise the Licensed Rights in all media and formats whether now known or hereafter created, and to make technical modifications necessary to do so. The Licensor waives and/or agrees not to assert any right or authority to forbid You from making technical modifications necessary to exercise the Licensed Rights, including technical modifications necessary to circumvent Effective Technological Measures. For purposes of this Public License, simply making modifications authorized by this Section 2(a)(4) never produces Adapted Material.

5. Downstream recipients.

A. Offer from the Licensor – Licensed Material. Every recipient of the Licensed Material automatically receives an offer from the Licensor to exercise the Licensed Rights under the terms and conditions of this Public License.

B. Additional offer from the Licensor – Adapted Material. Every recipient of Adapted Material from You automatically receives an offer from the Licensor to exercise the Licensed Rights in the Adapted Material under the conditions of the Adapter's License You apply.

C. No downstream restrictions. You may not offer or impose any additional or different terms or conditions on, or apply any Effective Technological Measures to, the Licensed Material if doing so restricts exercise of the Licensed Rights by any recipient of the Licensed Material.

6. No endorsement. Nothing in this Public License constitutes or may be construed as permission to assert or imply that You are, or that Your use of the Licensed Material is, connected with, or sponsored, endorsed, or granted official status by, the Licensor or others designated to receive attribution as provided in Section 3(a)(1)(A)(i).

b. Other rights.

1. Moral rights, such as the right of integrity, are not licensed under this Public License, nor are publicity, privacy, and/or other similar personality rights; however, to the extent possible, the Licensor waives and/or agrees not to assert any such rights held by the Licensor to the limited extent necessary to allow You to exercise the Licensed Rights, but not otherwise.

2. Patent and trademark rights are not licensed under this Public License.

3. To the extent possible, the Licensor waives any right to collect royalties from You for the exercise of the Licensed Rights, whether directly or through a collecting society under any voluntary or waivable statutory or compulsory licensing scheme. In all other cases the Licensor expressly reserves any right to collect such royalties.

### Section 3 – License Conditions.

Your exercise of the Licensed Rights is expressly made subject to the following conditions.

a. Attribution.

1. If You Share the Licensed Material (including in modified form), You must:

A. retain the following if it is supplied by the Licensor with the Licensed Material:

i. identification of the creator(s) of the Licensed Material and any others designated to receive attribution, in any reasonable manner requested by the Licensor (including by pseudonym if designated);

ii. a copyright notice;

iii. a notice that refers to this Public License;

iv. a notice that refers to the disclaimer of warranties;

v. a URI or hyperlink to the Licensed Material to the extent reasonably practicable;

B. indicate if You modified the Licensed Material and retain an indication of any previous modifications; and

C. indicate the Licensed Material is licensed under this Public License, and include the text of, or the URI or hyperlink to, this Public License.

2. You may satisfy the conditions in Section 3(a)(1) in any reasonable manner based on the medium, means, and context in which You Share the Licensed Material. For example, it may be reasonable to satisfy the conditions by providing a URI or hyperlink to a resource that includes the required information.

3. If requested by the Licensor, You must remove any of the information required by Section 3(a)(1)(A) to the extent reasonably practicable.

b. ShareAlike. In addition to the conditions in Section 3(a), if You Share Adapted Material You produce, the following conditions also apply.

1. The Adapter's License You apply must be a Creative Commons license with the same License Elements, this version or later, or a BY-SA Compatible License.

2. You must include the text of, or the URI or hyperlink to, the Adapter's License You apply. You may satisfy this condition in any reasonable manner based on the medium, means, and context in which You Share Adapted Material.

3. You may not offer or impose any additional or different terms or conditions on, or apply any Effective Technological Measures to, Adapted Material that restrict exercise of the rights granted under the Adapter's License You apply.

### Section 4 – Sui Generis Database Rights.

Where the Licensed Rights include Sui Generis Database Rights that apply to Your use of the Licensed Material:

a. for the avoidance of doubt, Section 2(a)(1) grants You the right to extract, reuse, reproduce, and Share all or a substantial portion of the contents of the database;

b. if You include all or a substantial portion of the database contents in a database in which You have Sui Generis Database Rights, then the database in which You have Sui Generis Database Rights (but not its individual contents) is Adapted Material, including for purposes of Section 3(b); and

c. You must comply with the conditions in Section 3(a) if You Share all or a substantial portion of the contents of the database.

For the avoidance of doubt, this Section 4 supplements and does not replace Your obligations under this Public License where the Licensed Rights include other Copyright and Similar Rights.

### Section 5 – Disclaimer of Warranties and Limitation of Liability.

a. Unless otherwise separately undertaken by the Licensor, to the extent possible, the Licensor offers the Licensed Material as-is and as-available, and makes no representations or warranties of any kind concerning the Licensed Material, whether express, implied, statutory, or other. This includes, without limitation, warranties of title, merchantability, fitness for a particular purpose, non-infringement, absence of latent or other defects, accuracy, or the presence or absence of errors, whether or not known or discoverable. Where disclaimers of warranties are not allowed in full or in part, this disclaimer may not apply to You.

b. To the extent possible, in no event will the Licensor be liable to You on any legal theory (including, without limitation, negligence) or otherwise for any direct, special, indirect, incidental, consequential, punitive, exemplary, or other losses, costs, expenses, or damages arising out of this Public License or use of the Licensed Material, even if the Licensor has been advised of the possibility of such losses, costs, expenses, or damages. Where a limitation of liability is not allowed in full or in part, this limitation may not apply to You.

c. The disclaimer of warranties and limitation of liability provided above shall be interpreted in a manner that, to the extent possible, most closely approximates an absolute disclaimer and waiver of all liability.

#### Section 6 – Term and Termination.

a. This Public License applies for the term of the Copyright and Similar Rights licensed here. However, if You fail to comply with this Public License, then Your rights under this Public License terminate automatically.

b. Where Your right to use the Licensed Material has terminated under Section 6(a), it reinstates:

1. automatically as of the date the violation is cured, provided it is cured within 30 days of Your discovery of the violation; or

2. upon express reinstatement by the Licensor.

c. For the avoidance of doubt, this Section 6(b) does not affect any right the Licensor may have to seek remedies for Your violations of this Public License.

d. For the avoidance of doubt, the Licensor may also offer the Licensed Material under separate terms or conditions or stop distributing the Licensed Material at any time; however, doing so will not terminate this Public License.

e. Sections 1, 5, 6, 7, and 8 survive termination of this Public License.

#### Section 7 – Other Terms and Conditions.

a. The Licensor shall not be bound by any additional or different terms or conditions communicated by You unless expressly agreed.

b. Any arrangements, understandings, or agreements regarding the Licensed Material not stated herein are separate from and independent of the terms and conditions of this Public License.

#### Section 8 – Interpretation.

a. For the avoidance of doubt, this Public License does not, and shall not be interpreted to, reduce, limit, restrict, or impose conditions on any use of the Licensed Material that could lawfully be made without permission under this Public License.

b. To the extent possible, if any provision of this Public License is deemed unenforceable, it shall be automatically reformed to the minimum extent necessary to make it enforceable. If the provision cannot be reformed, it shall be severed from this Public License without affecting the enforceability of the remaining terms and conditions.

c. No term or condition of this Public License will be waived and no failure to comply consented to unless expressly agreed to by the Licensor.

d. Nothing in this Public License constitutes or may be interpreted as a limitation upon, or waiver of, any privileges and immunities that apply to the Licensor or You, including from the legal processes of any jurisdiction or authority.

Creative Commons is not a party to its public licenses. Notwithstanding, Creative Commons may elect to apply one of its public licenses to material it publishes and in those instances will be considered the "Licensor." Except for the limited purpose of indicating that material is shared under a Creative Commons public license or as otherwise permitted by the Creative Commons policies published at [creativecommons.org/policies](https://creativecommons.org/policies), Creative Commons does not authorize the use of the trademark "Creative Commons" or any other trademark or logo of Creative Commons without its prior written consent including, without limitation, in connection with any unauthorized modifications to any of its public licenses or any other arrangements, understandings, or agreements concerning use of licensed material. For the avoidance of doubt, this paragraph does not form part of the public licenses.

Creative Commons may be contacted at [creativecommons.org](https://creativecommons.org).

---

MIT-style

Redistribution and use in source and binary forms are freely permitted provided that the above copyright notice and this paragraph and the following disclaimer are duplicated in all such forms.

This software is provided "AS IS" and without any express or implied warranties, including, without limitation, the implied warranties of merchantability and fitness for a particular purpose.

---

BSD-style

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of the copyright holder nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

---

BSD-style

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

\* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

\* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

\* Neither the name of Hewlett-Packard Co. nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

---

BSD-style

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

- Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

- Neither the name of the Altera Corporation nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL ALTERA CORPORATION BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

-----  
BSD-style

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

o Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

o Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

o Neither the name of Freescale Semiconductor, Inc. nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

-----  
BSD-style

According to BSD license, add some modifications

-----  
GPL

GPL is referenced without a version number. Please look up GPL in the License Admin to view the different versions.

-----  
Intel

Intel Open Source License

Copyright (c) 1996-2000 Intel Corporation All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

- Neither the name of the Intel Corporation nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE INTEL OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

EXPORT LAWS: THIS LICENSE ADDS NO RESTRICTIONS TO THE EXPORT LAWS OF YOUR JURISDICTION. It is licensee's responsibility to comply with any export regulations applicable in licensee's jurisdiction. Under CURRENT (May 2000) U.S. export regulations this software is eligible for export from the U.S. and can be downloaded by or otherwise exported or reexported worldwide EXCEPT to U.S. embargoed destinations which include Cuba, Iraq, Libya, North Korea, Iran, Syria, Sudan, Afghanistan and any other country to which the U.S. has embargoed goods and services.

-----  
OFL-1.1

## SIL OPEN FONT LICENSE

Version 1.1 - 26 February 2007

### PREAMBLE

The goals of the Open Font License (OFL) are to stimulate worldwide development of collaborative font projects, to support the font creation efforts of academic and linguistic communities, and to provide a free and open framework in which fonts may be shared and improved in partnership with others.

The OFL allows the licensed fonts to be used, studied, modified and redistributed freely as long as they are not sold by themselves. The fonts, including any derivative works, can be bundled, embedded, redistributed and/or sold with any software provided that any reserved names are not used by derivative works. The fonts and derivatives, however, cannot be released under any other type of license. The requirement for fonts to remain under this license does not apply to any document created using the fonts or their derivatives.

### DEFINITIONS

"Font Software" refers to the set of files released by the Copyright Holder(s) under this license and clearly marked as such. This may include source files, build scripts and documentation.

"Reserved Font Name" refers to any names specified as such after the copyright statement(s).

"Original Version" refers to the collection of Font Software components as distributed by the Copyright Holder(s).

"Modified Version" refers to any derivative made by adding to, deleting, or substituting — in part or in whole — any of the components of the Original Version, by changing formats or by porting the Font Software to a new environment.

"Author" refers to any designer, engineer, programmer, technical writer or other person who contributed to the Font Software.

### PERMISSION & CONDITIONS

Permission is hereby granted, free of charge, to any person obtaining a copy of the Font Software, to use, study, copy, merge, embed, modify, redistribute, and sell modified and unmodified copies of the Font Software, subject to the following conditions:

- 1) Neither the Font Software nor any of its individual components, in Original or Modified Versions, may be sold by itself.
- 2) Original or Modified Versions of the Font Software may be bundled, redistributed and/or sold with any software, provided that each copy contains the above copyright notice and this license. These can be included either as stand-alone text files, human-readable headers or in the appropriate machine-readable metadata fields within text or binary files as long as those fields can be easily viewed by the user.
- 3) No Modified Version of the Font Software may use the Reserved Font Name(s) unless explicit written permission is granted by the corresponding Copyright Holder. This restriction only applies to the primary font name as presented to the users.



4) The name(s) of the Copyright Holder(s) or the Author(s) of the Font Software shall not be used to promote, endorse or advertise any Modified Version, except to acknowledge the contribution(s) of the Copyright Holder(s) and the Author(s) or with their explicit written permission.

5) The Font Software, modified or unmodified, in part or in whole, must be distributed entirely under this license, and must not be distributed under any other license. The requirement for fonts to remain under this license does not apply to any document created using the Font Software.

#### TERMINATION

This license becomes null and void if any of the above conditions are not met.

#### DISCLAIMER

THE FONT SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NON-INFRINGEMENT OF COPYRIGHT, PATENT, TRADEMARK, OR OTHER RIGHT. IN NO EVENT SHALL THE COPYRIGHT HOLDER BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, INCLUDING ANY GENERAL, SPECIAL, INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF THE USE OR INABILITY TO USE THE FONT SOFTWARE OR FROM OTHER DEALINGS IN THE FONT SOFTWARE.

---

#### ISC

ISC License:

Copyright (c) 2004-2010 by Internet Systems Consortium, Inc. ("ISC")  
Copyright (c) 1995-2003 by Internet Software Consortium

Permission to use, copy, modify, and/or distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS" AND ISC DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL ISC BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

---

#### BSD-3-Clause

Copyright (c) <year> <owner>. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of the copyright holder nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

---

LGPL-2.1

GNU LESSER GENERAL PUBLIC LICENSE

Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.  
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts as the successor of the GNU Library Public License, version 2, hence the version number 2.1.]

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

#### TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

#### NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

#### END OF TERMS AND CONDITIONS

#### How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

one line to give the library's name and an idea of what it does.  
Copyright (C) year name of author

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in  
the library 'Frob' (a library for tweaking knobs) written  
by James Random Hacker.

signature of Ty Coon, 1 April 1990  
Ty Coon, President of Vice  
That's all there is to it!

MIT License

Copyright (c) <year> <copyright holders>

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

-----  
Zlib

zlib License

This software is provided 'as-is', without any express or implied warranty. In no event will the authors be held liable for any damages arising from the use of this software.

Permission is granted to anyone to use this software for any purpose, including commercial applications, and to alter it and redistribute it freely, subject to the following restrictions:

1. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated but is not required.
2. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software.
3. This notice may not be removed or altered from any source distribution.

-----  
BSD-2-Clause

Copyright (c) <year> <owner> All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

-----  
CC-BY-SA-3.0

Creative Commons Attribution-ShareAlike 3.0 Unported

CREATIVE COMMONS CORPORATION IS NOT A LAW FIRM AND DOES NOT PROVIDE LEGAL SERVICES. DISTRIBUTION OF THIS LICENSE DOES NOT CREATE AN ATTORNEY-CLIENT RELATIONSHIP. CREATIVE COMMONS PROVIDES THIS INFORMATION ON AN "AS-IS" BASIS. CREATIVE COMMONS MAKES NO WARRANTIES REGARDING THE INFORMATION PROVIDED, AND DISCLAIMS LIABILITY FOR DAMAGES RESULTING FROM ITS USE.

## License

THE WORK (AS DEFINED BELOW) IS PROVIDED UNDER THE TERMS OF THIS CREATIVE COMMONS PUBLIC LICENSE ("CCPL" OR "LICENSE"). THE WORK IS PROTECTED BY COPYRIGHT AND/OR OTHER APPLICABLE LAW. ANY USE OF THE WORK OTHER THAN AS AUTHORIZED UNDER THIS LICENSE OR COPYRIGHT LAW IS PROHIBITED.

BY EXERCISING ANY RIGHTS TO THE WORK PROVIDED HERE, YOU ACCEPT AND AGREE TO BE BOUND BY THE TERMS OF THIS LICENSE. TO THE EXTENT THIS LICENSE MAY BE CONSIDERED TO BE A CONTRACT, THE LICENSOR GRANTS YOU THE RIGHTS CONTAINED HERE IN CONSIDERATION OF YOUR ACCEPTANCE OF SUCH TERMS AND CONDITIONS.

### 1. Definitions

a. "Adaptation" means a work based upon the Work, or upon the Work and other pre-existing works, such as a translation, adaptation, derivative work, arrangement of music or other alterations of a literary or artistic work, or phonogram or performance and includes cinematographic adaptations or any other form in which the Work may be recast, transformed, or adapted including in any form recognizably derived from the original, except that a work that constitutes a Collection will not be considered an Adaptation for the purpose of this License. For the avoidance of doubt, where the Work is a musical work, performance or phonogram, the synchronization of the Work in timed-relation with a moving image ("synching") will be considered an Adaptation for the purpose of this License.

b. "Collection" means a collection of literary or artistic works, such as encyclopedias and anthologies, or performances, phonograms or broadcasts, or other works or subject matter other than works listed in Section 1(f) below, which, by reason of the selection and arrangement of their contents, constitute intellectual creations, in which the Work is included in its entirety in unmodified form along with one or more other contributions, each constituting separate and independent works in themselves, which together are assembled into a collective whole. A work that constitutes a Collection will not be considered an Adaptation (as defined below) for the purposes of this License.

c. "Creative Commons Compatible License" means a license that is listed at <http://creativecommons.org/compatiblelicenses> that has been approved by Creative Commons as being essentially equivalent to this License, including, at a minimum, because that license: (i) contains terms that have the same purpose, meaning and effect as the License Elements of this License; and, (ii) explicitly permits the relicensing of adaptations of works made available under that license under this License or a Creative Commons jurisdiction license with the same License Elements as this License.

d. "Distribute" means to make available to the public the original and copies of the Work or Adaptation, as appropriate, through sale or other transfer of ownership.

e. "License Elements" means the following high-level license attributes as selected by Licensor and indicated in the title of this License: Attribution, ShareAlike.

f. "Licensor" means the individual, individuals, entity or entities that offer(s) the Work under the terms of this License.

g. "Original Author" means, in the case of a literary or artistic work, the individual, individuals, entity or entities who created the Work or if no individual or entity can be identified, the publisher; and in addition (i) in the case of a performance the actors, singers, musicians, dancers, and other persons who act, sing, deliver, declaim, play in, interpret or otherwise perform literary or artistic works or expressions of folklore; (ii) in the case of a phonogram the producer being the person or legal entity who first fixes the sounds of a performance or other sounds; and, (iii) in the case of broadcasts, the organization that transmits the broadcast.

h. "Work" means the literary and/or artistic work offered under the terms of this License including without limitation any production in the literary, scientific and artistic domain, whatever may be the mode or form of its expression including digital form, such as a book, pamphlet and other writing; a lecture, address, sermon or other work of the same nature; a dramatic or dramatico-musical work; a choreographic work or entertainment in dumb show; a musical composition with or without words; a cinematographic work to which are assimilated works expressed by a process analogous to cinematography; a work of drawing, painting, architecture, sculpture, engraving or lithography; a photographic work to which are assimilated works expressed by a process analogous to photography; a work of applied art; an illustration, map, plan, sketch or three-dimensional work relative to geography, topography, architecture or science; a performance; a broadcast; a phonogram; a compilation of data to the extent it is protected as a copyrightable work; or a work performed by a variety or circus performer to the extent it is not otherwise considered a literary or artistic work.

i. "You" means an individual or entity exercising rights under this License who has not previously violated the terms of this License with respect to the Work, or who has received express permission from the Licensor to exercise rights under this License despite a previous violation.



j. "Publicly Perform" means to perform public recitations of the Work and to communicate to the public those public recitations, by any means or process, including by wire or wireless means or public digital performances; to make available to the public Works in such a way that members of the public may access these Works from a place and at a place individually chosen by them; to perform the Work to the public by any means or process and the communication to the public of the performances of the Work, including by public digital performance; to broadcast and rebroadcast the Work by any means including signs, sounds or images.

k. "Reproduce" means to make copies of the Work by any means including without limitation by sound or visual recordings and the right of fixation and reproducing fixations of the Work, including storage of a protected performance or phonogram in digital form or other electronic medium.

2. Fair Dealing Rights. Nothing in this License is intended to reduce, limit, or restrict any uses free from copyright or rights arising from limitations or exceptions that are provided for in connection with the copyright protection under copyright law or other applicable laws.

3. License Grant. Subject to the terms and conditions of this License, Licensor hereby grants You a worldwide, royalty-free, non-exclusive, perpetual (for the duration of the applicable copyright) license to exercise the rights in the Work as stated below:

a. to Reproduce the Work, to incorporate the Work into one or more Collections, and to Reproduce the Work as incorporated in the Collections;

b. to create and Reproduce Adaptations provided that any such Adaptation, including any translation in any medium, takes reasonable steps to clearly label, demarcate or otherwise identify that changes were made to the original Work. For example, a translation could be marked "The original work was translated from English to Spanish," or a modification could indicate "The original work has been modified.";

c. to Distribute and Publicly Perform the Work including as incorporated in Collections; and,

d. to Distribute and Publicly Perform Adaptations.

e. For the avoidance of doubt:

i. Non-waivable Compulsory License Schemes. In those jurisdictions in which the right to collect royalties through any statutory or compulsory licensing scheme cannot be waived, the Licensor reserves the exclusive right to collect such royalties for any exercise by You of the rights granted under this License;

ii. Waivable Compulsory License Schemes. In those jurisdictions in which the right to collect royalties through any statutory or compulsory licensing scheme can be waived, the Licensor waives the exclusive right to collect such royalties for any exercise by You of the rights granted under this License; and,

iii. Voluntary License Schemes. The Licensor waives the right to collect royalties, whether individually or, in the event that the Licensor is a member of a collecting society that administers voluntary licensing schemes, via that society, from any exercise by You of the rights granted under this License.

The above rights may be exercised in all media and formats whether now known or hereafter devised. The above rights include the right to make such modifications as are technically necessary to exercise the rights in other media and formats. Subject to Section 8(f), all rights not expressly granted by Licensor are hereby reserved.

4. Restrictions. The license granted in Section 3 above is expressly made subject to and limited by the following restrictions:

a. You may Distribute or Publicly Perform the Work only under the terms of this License. You must include a copy of, or the Uniform Resource Identifier (URI) for, this License with every copy of the Work You Distribute or Publicly Perform. You may not offer or impose any terms on the Work that restrict the terms of this License or the ability of the recipient of the Work to exercise the rights granted to that recipient under the terms of the License. You may not sublicense the Work. You must keep intact all notices that refer to this License and to the disclaimer of warranties with every copy of the Work You Distribute or Publicly Perform. When You Distribute or Publicly Perform the Work, You may not impose any effective technological measures on the Work that restrict the ability of a recipient of the Work from You to exercise the rights granted to that recipient under the terms of the License. This Section 4(a) applies to the Work as incorporated in a Collection, but this does not require the Collection apart from the Work itself to be made subject to the terms of this License. If You create a Collection, upon notice from any Licensor You must, to the extent practicable, remove from the Collection any credit as required by Section 4(c), as requested. If You create an Adaptation, upon notice from any Licensor You must, to the extent practicable, remove from the Adaptation any credit as required by Section 4(c), as requested.

b. You may Distribute or Publicly Perform an Adaptation only under the terms of: (i) this License; (ii) a later version of this License with the same License Elements as this License; (iii) a Creative Commons jurisdiction license (either this or a later license version) that contains the same License Elements as this License (e.g., Attribution-ShareAlike 3.0 US); (iv) a Creative Commons Compatible License. If you license the Adaptation under one of the licenses mentioned in (iv), you must comply with the terms of that license. If you license the Adaptation under the terms of any of the licenses mentioned in (i), (ii) or (iii) (the "Applicable License"), you must comply with the terms of the Applicable License generally and the following

provisions: (I) You must include a copy of, or the URI for, the Applicable License with every copy of each Adaptation You Distribute or Publicly Perform; (II) You may not offer or impose any terms on the Adaptation that restrict the terms of the Applicable License or the ability of the recipient of the Adaptation to exercise the rights granted to that recipient under the terms of the Applicable License; (III) You must keep intact all notices that refer to the Applicable License and to the disclaimer of warranties with every copy of the Work as included in the Adaptation You Distribute or Publicly Perform; (IV) when You Distribute or Publicly Perform the Adaptation, You may not impose any effective technological measures on the Adaptation that restrict the ability of a recipient of the Adaptation from You to exercise the rights granted to that recipient under the terms of the Applicable License. This Section 4(b) applies to the Adaptation as incorporated in a Collection, but this does not require the Collection apart from the Adaptation itself to be made subject to the terms of the Applicable License.

c. If You Distribute, or Publicly Perform the Work or any Adaptations or Collections, You must, unless a request has been made pursuant to Section 4(a), keep intact all copyright notices for the Work and provide, reasonable to the medium or means You are utilizing: (i) the name of the Original Author (or pseudonym, if applicable) if supplied, and/or if the Original Author and/or Licensor designate another party or parties (e.g., a sponsor institute, publishing entity, journal) for attribution ("Attribution Parties") in Licensor's copyright notice, terms of service or by other reasonable means, the name of such party or parties; (ii) the title of the Work if supplied; (iii) to the extent reasonably practicable, the URI, if any, that Licensor specifies to be associated with the Work, unless such URI does not refer to the copyright notice or licensing information for the Work; and (iv) , consistent with Section 3(b), in the case of an Adaptation, a credit identifying the use of the Work in the Adaptation (e.g., "French translation of the Work by Original Author," or "Screenplay based on original Work by Original Author"). The credit required by this Section 4(c) may be implemented in any reasonable manner; provided, however, that in the case of a Adaptation or Collection, at a minimum such credit will appear, if a credit for all contributing authors of the Adaptation or Collection appears, then as part of these credits and in a manner at least as prominent as the credits for the other contributing authors. For the avoidance of doubt, You may only use the credit required by this Section for the purpose of attribution in the manner set out above and, by exercising Your rights under this License, You may not implicitly or explicitly assert or imply any connection with, sponsorship or endorsement by the Original Author, Licensor and/or Attribution Parties, as appropriate, of You or Your use of the Work, without the separate, express prior written permission of the Original Author, Licensor and/or Attribution Parties.

d. Except as otherwise agreed in writing by the Licensor or as may be otherwise permitted by applicable law, if You Reproduce, Distribute or Publicly Perform the Work either by itself or as part of any Adaptations or Collections, You must not distort, mutilate, modify or take other derogatory action in relation to the Work which would be prejudicial to the Original Author's honor or reputation. Licensor agrees that in those jurisdictions (e.g. Japan), in which any exercise of the right granted in Section 3(b) of this License (the right to make Adaptations) would be deemed to be a distortion, mutilation, modification or other derogatory action prejudicial to the Original Author's honor and reputation, the Licensor will waive or not assert, as appropriate, this Section, to the fullest extent permitted by the applicable national law, to enable You to reasonably exercise Your right under Section 3(b) of this License (right to make Adaptations) but not otherwise.

## 5. Representations, Warranties and Disclaimer

UNLESS OTHERWISE MUTUALLY AGREED TO BY THE PARTIES IN WRITING, LICENSOR OFFERS THE WORK AS-IS AND MAKES NO REPRESENTATIONS OR WARRANTIES OF ANY KIND CONCERNING THE WORK, EXPRESS, IMPLIED, STATUTORY OR OTHERWISE, INCLUDING, WITHOUT LIMITATION, WARRANTIES OF TITLE, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, NON-INFRINGEMENT, OR THE ABSENCE OF LATENT OR OTHER DEFECTS, ACCURACY, OR THE PRESENCE OF ABSENCE OF ERRORS, WHETHER OR NOT DISCOVERABLE. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OF IMPLIED WARRANTIES, SO SUCH EXCLUSION MAY NOT APPLY TO YOU.

6. Limitation on Liability. EXCEPT TO THE EXTENT REQUIRED BY APPLICABLE LAW, IN NO EVENT WILL LICENSOR BE LIABLE TO YOU ON ANY LEGAL THEORY FOR ANY SPECIAL, INCIDENTAL, CONSEQUENTIAL, PUNITIVE OR EXEMPLARY DAMAGES ARISING OUT OF THIS LICENSE OR THE USE OF THE WORK, EVEN IF LICENSOR HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

## 7. Termination

a. This License and the rights granted hereunder will terminate automatically upon any breach by You of the terms of this License. Individuals or entities who have received Adaptations or Collections from You under this License, however, will not have their licenses terminated provided such individuals or entities remain in full compliance with those licenses. Sections 1, 2, 5, 6, 7, and 8 will survive any termination of this License.

b. Subject to the above terms and conditions, the license granted here is perpetual (for the duration of the applicable copyright in the Work). Notwithstanding the above, Licensor reserves the right to release the Work under different license terms or to stop distributing the Work at any time; provided, however that any such election will not serve to withdraw this License (or any other license that has been, or is required to be, granted under the terms of this License), and this License will continue in full force and effect unless terminated as stated above.

## 8. Miscellaneous

a. Each time You Distribute or Publicly Perform the Work or a Collection, the Licensor offers to the recipient a license to the Work on the same terms and conditions as the license granted to You under this License.

b. Each time You Distribute or Publicly Perform an Adaptation, Licensor offers to the recipient a license to the original Work on the same terms and conditions as the license granted to You under this License.

c. If any provision of this License is invalid or unenforceable under applicable law, it shall not affect the validity or enforceability of the remainder of the terms of this License, and without further action by the parties to this agreement, such provision shall be reformed to the minimum extent necessary to make such provision valid and enforceable.

d. No term or provision of this License shall be deemed waived and no breach consented to unless such waiver or consent shall be in writing and signed by the party to be charged with such waiver or consent.

e. This License constitutes the entire agreement between the parties with respect to the Work licensed here. There are no understandings, agreements or representations with respect to the Work not specified here. Licensor shall not be bound by any additional provisions that may appear in any communication from You. This License may not be modified without the mutual written agreement of the Licensor and You.

f. The rights granted under, and the subject matter referenced, in this License were drafted utilizing the terminology of the Berne Convention for the Protection of Literary and Artistic Works (as amended on September 28, 1979), the Rome Convention of 1961, the WIPO Copyright Treaty of 1996, the WIPO Performances and Phonograms Treaty of 1996 and the Universal Copyright Convention (as revised on July 24, 1971). These rights and subject matter take effect in the relevant jurisdiction in which the License terms are sought to be enforced according to the corresponding provisions of the implementation of those treaty provisions in the applicable national law. If the standard suite of rights granted under applicable copyright law includes additional rights not granted under this License, such additional rights are deemed to be included in the License; this License is not intended to restrict the license of any rights under applicable law.

#### Creative Commons Notice

Creative Commons is not a party to this License, and makes no warranty whatsoever in connection with the Work. Creative Commons will not be liable to You or any party on any legal theory for any damages whatsoever, including without limitation any general, special, incidental or consequential damages arising in connection to this license. Notwithstanding the foregoing two (2) sentences, if Creative Commons has expressly identified itself as the Licensor hereunder, it shall have all rights and obligations of Licensor.

Except for the limited purpose of indicating to the public that the Work is licensed under the CCPL, Creative Commons does not authorize the use by either party of the trademark "Creative Commons" or any related trademark or logo of Creative Commons without the prior written consent of Creative Commons. Any permitted use will be in compliance with Creative Commons' then-current trademark usage guidelines, as may be published on its website or otherwise made available upon request from time to time. For the avoidance of doubt, this trademark restriction does not form part of the License.

Creative Commons may be contacted at <http://creativecommons.org/>.

-----  
LGPL-2.0

GNU LIBRARY GENERAL PUBLIC LICENSE

Version 2, June 1991

Copyright (C) 1991 Free Software Foundation, Inc.  
51 Franklin St, Fifth Floor, Boston, MA 02110-1301, USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

[This is the first released version of the library GPL. It is numbered 2 because it goes with version 2 of the ordinary GPL.]

#### Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Library General Public License, applies to some specially designated Free Software Foundation software, and to any other libraries whose authors decide to use it. You can use it for your libraries, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library, or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link a program with the library, you must provide complete object files to the recipients so that they can relink them with the library, after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

Our method of protecting your rights has two steps: (1) copyright the library, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the library.

Also, for each distributor's protection, we want to make certain that everyone understands that there is no warranty for this free library. If the library is modified by someone else and passed on, we want its recipients to know that what they have is not the original version, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that companies distributing free software will individually obtain patent licenses, thus in effect transforming the program into proprietary software. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don't assume that anything in it is the same as in the ordinary license.

The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

#### TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Library General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may

not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Library General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

#### NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

#### END OF TERMS AND CONDITIONS

#### How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

one line to give the library's name and an idea of what it does.  
Copyright (C) year name of author

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Library General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Library General Public License for more details.

You should have received a copy of the GNU Library General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin St, Fifth Floor, Boston, MA 02110-1301, USA.

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in  
the library 'Frob' (a library for tweaking knobs) written  
by James Random Hacker.

signature of Ty Coon, 1 April 1990  
Ty Coon, President of Vice

That's all there is to it!

-----  
=====

#### ACKNOWLEDGEMENTS

-----

#### LGPL-2.1

Es wird im Produktkontext die Lizenz LGPL-2.1 anstelle LGPL-2.0+ gewählt.

-----

#### Copyright notices

© 2001-2006 Red Hat, Inc.  
copyright 2001 Simon Tatham. Rewritten from original source 2006 by Dan Merillat  
copyright 1999-2002 by Donald Becker.  
copyright 1999-2001 by Donald Becker.  
copyright (c) 2013-2016, ARM Limited and Contributors. All rights reserved.  
copyright (c) 2002 Romain Lievin <roms@lpg.ticalc.org>  
copyright 'The U-Boot development community'  
Copyright: Synertronixx GmbH  
Copyright: MontaVista Software, Inc.  
Copyright: Monta Vista Software, Inc.  
Copyright: Bootlin, 2018 Author: Miquèl Raynal <miquel.raynal@bootlin.com>  
Copyright: (C) 2016 Joe Hershberger.  
Copyright: (C) 2014 Himangi Saraogi  
Copyright: (C) 2014 Fabian Frederick  
Copyright: (C) 2012 Julia Lawall, INRIA/LiP6.  
Copyright: (C) 2012 Gilles Muller, INRIA/LiP6. URL: <http://coccinelle.lip6.fr/>  
Copyright: (C) 2010-2012 Nicolas Palix.  
Copyright: (C) 2010-2012 Julia Lawall, INRIA/LiP6.  
Copyright: (C) 2010-2012 Gilles Muller, INRIA/LiP6. URL: <http://coccinelle.lip6.fr/>  
Copyright: (C) 2010 Nicolas Palix, DIKU.  
Copyright: (C) 2010 Julia Lawall, DIKU.  
Copyright: (C) 2010 Gilles Muller, INRIA/LiP6. URL: <http://coccinelle.lip6.fr/>  
Copyright(c) 2009 Dialog Semiconductor Ltd.  
Copyright(c) 1999 - 2002 Intel Corporation. All rights reserved.  
Copyright © International Business Machines Corp., 2006  
Copyright © 2016 NextThing Co.



Copyright © 2016 Free Electrons  
Copyright © 2015 Hans de Goede <hdegoede@redhat.com>  
Copyright © 2015 Broadcom  
Copyright © 2013 Jussi Kivilinna <jussi.kivilinna@iki.fi>  
Copyright © 2011 Parrot S.A.  
Copyright © 2011 Ivan Djelic <ivan.djelic@parrot.com>  
Copyright © 2010-2015 Broadcom Corporation  
Copyright © 2008 Keith Packard  
Copyright © 2006 Red Hat UK Limited  
Copyright © 2006 Marvell International Ltd.  
Copyright © 2005 Samsung Electronics Kyungmin Park <kyungmin.park@samsung.com>  
Copyright © 2005 Intel Corporation  
Copyright © 2004 Thomas Gleixner (tgx@linutronix.de)  
Copyright © 2004 Ferenc Havasi <havasi@inf.u-szeged.hu>, Zoltan Sogor <weth@inf.u-szeged.hu>, Patrik Kluba <pajko@halom.u-szeged.hu>, University of Szeged, Hungary  
Copyright © 2002-2010 David Woodhouse <dwmw2@infradead.org>  
Copyright © 2002-2003 SnapGear Inc  
Copyright © 2002-2003 Greg Ungerer <gerg@snapgear.com>  
Copyright © 2002 Thomas Gleixner <gleixner@linutronix.de>  
Copyright © 2002 Robert Kaiser <rkaiser@sysgo.de>  
Copyright © 2001-2007 Red Hat, Inc. and others  
Copyright © 2000-2010 David Woodhouse <dwmw2@infradead.org> et al.  
Copyright © 2000-2010 David Woodhouse <dwmw2@infradead.org> Steven J. Hill <sjhill@realitydiluted.com> Thomas Gleixner <tgx@linutronix.de>  
Copyright © 2000-2010 David Woodhouse <dwmw2@infradead.org>  
Copyright © 2000-2005 Thomas Gleixner <tgx@linuxtronix.de>  
Copyright © 2000 Red Hat UK Limited  
Copyright © 2000 Nicolas Pitre <nico@fluxnic.net>  
Copyright © 1999-2010 David Woodhouse <dwmw2@infradead.org> et al.  
Copyright © 1999-2010 David Woodhouse <dwmw2@infradead.org>  
Copyright © 1999 Machine Vision Holdings, Inc.  
Copyright Torsten Duwe <duwe@informatik.uni-erlangen.de> 1993  
Copyright Roger Meier <r.meier@siemens.com>  
Copyright NXP 2020  
Copyright NXP 2018  
Copyright Motorola 1984 (!). It was written to be part of the Linux operating system.  
Copyright Joern Engel <joern@lazybastard.org> Inspired by Linus Torvalds Original idea maybe from Keith Owens s390 port and big speedup by Arnd Bergmann <arnd@bergmann-dalldorf.de> Mips port by Juan Quintela <quintela@mandrakesoft.com> IA64 port via Andreas Dilger Arm port by Holger Schurig sh64 port by Paul Mundt Random bits by Matt Mackall <mpm@selenic.com> M68k port by Geert Uytterhoeven and Andreas Schwab AArch64, PARISC ports by Kyle McMartin sparcc port by Martin Habets <errandir\_news@mph.eclipse.co.uk>  
Copyright Jasbir Matharu  
Copyright Gavin Shan, IBM Corporation 2016.  
Copyright Altera Corporation (C) 2014-2015  
Copyright Altera Corporation (C) 2012-2015  
Copyright 2022 TQ-Systems GmbH  
Copyright 2021 TQ-Systems GmbH  
Copyright 2020-2021 TQ-Systems GmbH  
Copyright 2020 Toradex  
Copyright 2020 NXP Semiconductor, Inc. Author: Clark Wang (xiaoning.wang@nxp.com)  
Copyright 2020 NXP  
Copyright 2020 Heinrich Schuchardt <xypron.glpk@gmx.de>  
Copyright 2019-2022 TQ-Systems GmbH  
Copyright 2019-2021 TQ-Systems GmbH  
Copyright 2019-2020 NXP  
Copyright 2019 Vladimir Oltean <olteanv@gmail.com>  
Copyright 2019 Toradex AG  
Copyright 2019 Toradex  
Copyright 2019 Socionext, Inc.  
Copyright 2019 Siemens AG  
Copyright 2019 Ramon Fried <rfried.dev@gmail.com>  
Copyright 2019 NXP Yangbo Lu <yangbo.lu@nxp.com>  
Copyright 2019 NXP Semiconductors Andy Fleming Yangbo Lu <yangbo.lu@nxp.com>  
Copyright 2019 NXP Semiconductors Andy Fleming  
Copyright 2019 NXP Semiconductors  
Copyright 2019 NXP Peng Fan <peng.fan@nxp.com>  
Copyright 2019 NXP Author: Tim Harvey <tharvey@gateworks.com>  
Copyright 2019 NXP Author: Tang Yuantian <b29983@freescale.com>  
Copyright 2019 NXP Author: Fabio Estevam <fabio.estevam@nxp.com>  
Copyright 2019 NXP Author: Dave Liu <daveliu@freescale.com>  
Copyright 2019 NXP

Copyright 2019 Lukasz Majewski, DENX Software Engineering, lukma@denx.de  
Copyright 2019 Linaro Ltd.  
Copyright 2019 IBM Corp. Eddie James <ejames@linux.ibm.com>  
Copyright 2019 Heinrich Schuchardt <xypron.glpk@gmx.de>  
Copyright 2019 Google LLC Written by Simon Glass <sjg@chromium.org>  
Copyright 2019 Google LLC  
Copyright 2019 Google Inc  
Copyright 2019 General Electric Company  
Copyright 2019 Collabora Ltd  
Copyright 2019 Broadcom  
Copyright 2019 Bhargav Shah <bhargavshah1988@gmail.com>  
Copyright 2019 Amarula Solutions, BV Written by Michael Trimarchi <michael@amarulasolutions.com>  
Copyright 2018-2022 TQ-Systems GmbH  
Copyright 2018-2021 TQ-Systems GmbH  
Copyright 2018-2020 TQ-Systems GmbH  
Copyright 2018-2020 NXP  
Copyright 2018-2019 Toradex AG  
Copyright 2018-2019 NXP  
Copyright 2018,2020 NXP  
Copyright 2018, Google Inc. Written by Simon Glass <sjg@chromium.org>  
Copyright 2018 Technexion Ltd.  
Copyright 2018 SiFive, Inc.  
Copyright 2018 NXP Peng Fan <peng.fan@nxp.com>  
Copyright 2018 NXP  
Copyright 2018 Michalis Pappas <mpappas@fastmail.fm>  
Copyright 2018 Lukasz Majewski, DENX Software Engineering, lukma@denx.de  
Copyright 2018 Lothar Felten, lothar.felten@gmail.com  
Copyright 2018 Linaro  
Copyright 2018 Google, Inc Written by Simon Glass <sjg@chromium.org>  
Copyright 2018 Google, Inc  
Copyright 2018 Google LLC Written by Simon Glass <sjg@chromium.org>  
Copyright 2018 Google LLC  
Copyright 2018 General Electric Company  
Copyright 2018 Einfochips  
Copyright 2018 B&R Industrial Automation GmbH  
Copyright 2018 Armadeus Systems <support@armadeus.com>  
Copyright 2018 Andes Technology, Inc. Author: Rick Chen (rick@andestech.com)  
Copyright 2017-2020 NXP  
Copyright 2017-2019 Toradex  
Copyright 2017-2019 NXP  
Copyright 2017-2018 NXP Semiconductor  
Copyright 2017-2018 NXP  
Copyright 2017, Theobroma Systems Design und Consulting GmbH Written by Philipp Tomsich  
<philipp.tomsich@theobroma-systems.com>  
Copyright 2017, 2020 NXP  
Copyright 2017, 2019-2020 NXP  
Copyright 2017 Texas Instruments, Inc.  
Copyright 2017 NXP Author: Prabhakar Kushwaha <prabhakar@freescale.com>  
Copyright 2017 NXP  
Copyright 2017 Lukasz Majewski, DENX Software Engineering, lukma@denx.de  
Copyright 2017 Jernej Skrabec <jernejskrabec@siol.net>  
Copyright 2017 Google, Inc.  
Copyright 2017 Google, Inc Written by Simon Glass <sjg@chromium.org>  
Copyright 2017 Free Electrons  
Copyright 2017 CS Systemes d'Information  
Copyright 2017 Bernecker & Rainer Industrieelektronik GmbH  
Copyright 2017 Armadeus Systems <support@armadeus.com>  
Copyright 2017 Andes Technology, Inc. Author: Rick Chen (rick@andestech.com)  
Copyright 2016-2019 Toradex AG  
Copyright 2016-2019 NXP Semiconductors  
Copyright 2016-2019 NXP  
Copyright 2016-2018 Toradex AG  
Copyright 2016-2018 Socionext inc.  
Copyright 2016-2018 NXP Semiconductors  
Copyright 2016-2018 NXP  
Copyright 2016, The Android Open Source Project  
Copyright 2016 Toradex AG  
Copyright 2016 Rockchip Inc.  
Copyright 2016 Rockchip Electronics Co., Ltd  
Copyright 2016 NXP Semiconductor, Inc.  
Copyright 2016 Maxime Ripard

Copyright 2016 Karsten Merker <merker@debian.org>  
Copyright 2016 IBM Corporation  
Copyright 2016 Grinn  
Copyright 2016 Google Inc.  
Copyright 2016 Freescale Semiconductors, Inc.  
Copyright 2016 Freescale Semiconductor, Inc. Hou Zhiqiang <Zhiqiang.Hou@freescale.com>  
Copyright 2016 Freescale Semiconductor, Inc. Author: Hongbo Zhang <hongbo.zhang@nxp.com>  
Copyright 2016 Freescale Semiconductor, Inc.  
Copyright 2016 Freescale Semiconductor  
Copyright 2016 Beckhoff Automation  
Copyright 2016 3ADEV <http://3adev.com> Written-by: Albert ARIBAUD <albert.aribaud@3adev.fr>  
Copyright 2015-2019 Toradex, Inc.  
Copyright 2015-2018 NXP  
Copyright 2015-2017 Freescale Semiconductor, Inc.  
Copyright 2015-2016 Freescale Semiconductor, Inc.  
Copyright 2015 UDOO Team  
Copyright 2015 Toradex, Inc.  
Copyright 2015 Timesys Corporation.  
Copyright 2015 Technexion Ltd.  
Copyright 2015 Sutajio Ko-Usagi PTE LTD  
Copyright 2015 Stephen Warren  
Copyright 2015 Microchip Inc. Purna Chandra Mandal <purna.mandal@microchip.com>  
Copyright 2015 Maxime Ripard  
Copyright 2015 Konsulko Group, Matt Porter <mporter@konsulko.com>  
Copyright 2015 Google, Inc  
Copyright 2015 General Electric Company  
Copyright 2015 Freescale Semiconductor, Inc. Author: Zhuoyu Zhang <Zhuoyu.Zhang@freescale.com>  
Copyright 2015 Freescale Semiconductor, Inc. Author: Wang Dongsheng <dongsheng.wang@freescale.com>  
Copyright 2015 Freescale Semiconductor, Inc.  
Copyright 2015 Freescale Semiconductor  
Copyright 2015 Free Electrons  
Copyright 2015 Broadcom Corporation.  
Copyright 2015 ATS Advanced Telematics Systems GmbH  
Copyright 2014-2019 Soeren Moch <smoch@web.de>  
Copyright 2014-2017 Broadcom.  
Copyright 2014-2016 Freescale Semiconductor, Inc.  
Copyright 2014-2015 Freescale Semiconductor, Inc.  
Copyright 2014-2015 Freescale Semiconductor  
Copyright 2014, Staubli Faverges Pierre Aubert  
Copyright 2014 Steffen Trumtrar <s.trumtrar@pengutronix.de>  
Copyright 2014 Rockchip Inc.  
Copyright 2014 Red Hat, Inc.  
Copyright 2014 Maxime Ripard  
Copyright 2014 Linaro, Ltd. Rob Herring <robh@kernel.org>  
Copyright 2014 Jason Cooper <jason@lakedaemon.net>  
Copyright 2014 Google Inc.  
Copyright 2014 General Electric Company  
Copyright 2014 Freescale Semiconductor, Inc.  
Copyright 2014 Freescale Semiconductor  
Copyright 2014 Broadcom Corporation.  
Copyright 2013-2019 Toradex, Inc.  
Copyright 2013-2019 Boundary Devices, Inc.  
Copyright 2013-2019 Arcturus Networks, Inc. <https://www.arcturusnetworks.com/products/ucp1020/>  
Copyright 2013-2016, NVIDIA CORPORATION.  
Copyright 2013-2016 Freescale Semiconductor, Inc.  
Copyright 2013-2015 Freescale Semiconductor, Inc.  
Copyright 2013-2014 Freescale Semiconductor, Inc.  
Copyright 2013, 2015 Freescale Semiconductor, Inc.  
Copyright 2013 Wolfgang Denk <wd@denx.de>  
Copyright 2013 Texas Instruments, Inc. Author: Dan Murphy <dmurphy@ti.com>  
Copyright 2013 Stefan Roese <sr@denx.de>  
Copyright 2013 Maxime Ripard  
Copyright 2013 Lucas Stach, Pengutronix <l.stach@pengutronix.de>  
Copyright 2013 Ideas On Board SPRL  
Copyright 2013 Freescale Semiconductor, Inc.  
Copyright 2013 Florian Fainelli <florian@openwrt.org>  
Copyright 2013 CompuLab Ltd.  
Copyright 2013 Broadcom Corporation.  
Copyright 2013 Albert ARIBAUD <albert.u.boot@aribaud.net>  
Copyright 2012-2014 Freescale Semiconductor, Inc.  
Copyright 2012 Texas Instruments

Copyright 2012 Linaro Ltd.  
Copyright 2012 Kim Phillips, Freescale Semiconductor.  
Copyright 2012 Freescale Semiconductor, Inc. Roy Zang <tie-fei.zang@freescale.com>  
Copyright 2012 Freescale Semiconductor, Inc. Andy Fleming <afleming@gmail.com> Roy Zang <tie-fei.zang@freescale.com>  
Copyright 2012 Freescale Semiconductor, Inc.  
Copyright 2011-2019 NVIDIA Corporation  
Copyright 2011-2015 Freescale Semiconductor, Inc.  
Copyright 2011-2014 Freescale Semiconductor, Inc.  
Copyright 2011-2013 Freescale Semiconductor, Inc.  
Copyright 2011-2012 Freescale Semiconductor, Inc.  
Copyright 2011, Marvell Semiconductor Inc. Lei Wen <leiwen@marvell.com>  
Copyright 2011, Marvell Semiconductor Inc.  
Copyright 2011, 2013 Freescale Semiconductor, Inc. author Andy Fleming  
Copyright 2011 The Chromium Authors, All Rights Reserved.  
Copyright 2011 Sebastian Andrzej Siewior <bigeasy@linutronix.de>  
Copyright 2011 Linaro Ltd.  
Copyright 2011 Linaro  
Copyright 2011 Freescale Semiconductor, Inc. author Andy Fleming  
Copyright 2011 Freescale Semiconductor, Inc. Author: Dipen Dudhat <dipen.dudhat@freescale.com>  
Copyright 2011 Freescale Semiconductor, Inc. Andy Fleming <afleming@gmail.com>  
Copyright 2011 Freescale Semiconductor, Inc.  
Copyright 2011 Comelit Group SpA, Luca Ceresoli <luca.ceresoli@comelit.it>  
Copyright 2011 Calxeda, Inc.  
Copyright 2010-2016 Freescale Semiconductor, Inc.  
Copyright 2010-2014 Freescale Semiconductor, Inc. Original Author: Andy Fleming Add vsc8662 phy support - Priyanka Jain  
Copyright 2010-2012 Freescale Semiconductor, Inc. TsiChung Liew (Tsi-Chung.Liew@freescale.com)  
Copyright 2010-2012 Freescale Semiconductor, Inc. Authors: Srikanth Srinivasan <srikanth.srinivasan@freescale.com> Timur Tabi <timur@freescale.com>  
Copyright 2010-2011, 2015 Freescale Semiconductor, Inc. author Andy Fleming  
Copyright 2010-2011 Freescale Semiconductor, Inc. author Andy Fleming  
Copyright 2010-2011 Freescale Semiconductor, Inc. Author: Mingkai Hu (Mingkai.hu@freescale.com)  
Copyright 2010-2011 Freescale Semiconductor, Inc. Author: Dipen Dudhat <dipen.dudhat@freescale.com>  
Copyright 2010-2011 Freescale Semiconductor, Inc.  
Copyright 2010-2011 Calxeda, Inc.  
Copyright 2010, Google Inc.  
Copyright 2010, 2012 Freescale Semiconductor  
Copyright 2010 eXMeritus, A Boeing Company  
Copyright 2010 Sun Microsystems, Inc. All rights reserved.  
Copyright 2010 Orex Computed Radiography  
Copyright 2010 Nicolas Palix <npalix@diku.dk>  
Copyright 2010 Julia Lawall <julia@diku.dk>  
Copyright 2010 Google LLC  
Copyright 2010 Gilles Muller <Gilles.Muller@lip6.fr>  
Copyright 2010 Freescale Semiconductor, Inc.  
Copyright 2010 Freescale Semiconductor  
Copyright 2010 Extreme Engineering Solutions, Inc.  
Copyright 2009-2015 Freescale Semiconductor, Inc. and others  
Copyright 2009-2014 Freescale Semiconductor, Inc.  
Copyright 2009-2012, 2013 Freescale Semiconductor, Inc. Jun-jie Zhang <b18070@freescale.com> Mingkai Hu <Mingkai.hu@freescale.com>  
Copyright 2009-2012 Freescale Semiconductor, Inc. Dave Liu <daveliu@freescale.com>  
Copyright 2009-2012 Freescale Semiconductor, Inc.  
Copyright 2009-2011 Freescale Semiconductor, Inc. Dave Liu <daveliu@freescale.com>  
Copyright 2009-2011 Freescale Semiconductor, Inc. Andy Fleming <afleming@gmail.com>  
Copyright 2009-2011 Freescale Semiconductor, Inc.  
Copyright 2009-2010, 2013 Freescale Semiconductor, Inc. Jun-jie Zhang <b18070@freescale.com> Mingkai Hu <Mingkai.hu@freescale.com>  
Copyright 2009, Robin Getz <rgetz@blackfin.uclinux.org>  
Copyright 2009, Matthias Fuchs <matthias.fuchs@esd.eu>  
Copyright 2009 Sun Microsystems, Inc. All rights reserved. Use is subject to license terms.  
Copyright 2009 Lattice Semiconductor Corp.  
Copyright 2009 Ilya Yanok, <yanok@emcraft.com>  
Copyright 2009 Freescale Semiconductor, Inc.  
Copyright 2009 Extreme Engineering Solutions, Inc.  
Copyright 2009 Dirk Behme, dirk.behme@googlemail.com  
Copyright 2009 CJSC "NII STT", <http://www.niistt.ru/>  
Copyright 2009 Benjamin Herrenschmidt, IBM Corp beh@kernel.crashing.org  
Copyright 2009 Analog Devices Inc.  
Copyright 2008-2016 Freescale Semiconductor, Inc.  
Copyright 2008-2015 Freescale Semiconductor, Inc.

Copyright 2008-2014 Freescale Semiconductor, Inc.  
Copyright 2008-2013 Analog Devices Inc.  
Copyright 2008-2012 Freescale Semiconductor, Inc. Dave Liu <daveliu@freescale.com>  
Copyright 2008-2012 Freescale Semiconductor, Inc.  
Copyright 2008-2011 Freescale Semiconductor, Inc.  
Copyright 2008-2010, 2016 Freescale Semiconductor, Inc. All Rights Reserved.  
Copyright 2008-2010 Freescale Semiconductor, Inc. All Rights Reserved.  
Copyright 2008-2009 Stefan Roesse <sr@denx.de>, DENX Software Engineering  
Copyright 2008-2009 Freescale Semiconductor, Inc. All Rights Reserved.  
Copyright 2008-2009 Freescale Semiconductor, Inc.  
Copyright 2008,2010 Freescale Semiconductor, Inc Andy Fleming  
Copyright 2008, Freescale Semiconductor, Inc Andy Fleming  
Copyright 2008, 2010-2016 Freescale Semiconductor, Inc.  
Copyright 2008 Silicon Turnkey Express, Inc. Martha Marx <mymarx@silicontkx.com>  
Copyright 2008 Sascha Hauer, kernel@pengutronix.de  
Copyright 2008 Mentor Graphics Corporation  
Copyright 2008 Maxime Bizon <mbizon@freebox.fr>  
Copyright 2008 Jon Loeliger, Freescale Semiconductor, Inc.  
Copyright 2008 Freescale Semiconductor, Inc.  
Copyright 2008 Extreme Engineering Solutions, Inc.  
Copyright 2008 Embedded Alley Solutions, Inc All Rights Reserved.  
Copyright 2008 - 2009 Windriver, <www.windriver.com> Author: Tom Rix <Tom.Rix@windriver.com>  
Copyright 2007-2012 (C) Allwinner Technology Co., Ltd. Javen <javen@allwinnertech.com>  
Copyright 2007-2011 Freescale Semiconductor, Inc.  
Copyright 2007-2009,2010-2012 Freescale Semiconductor, Inc.  
Copyright 2007-2008,2010-2011 Freescale Semiconductor, Inc.  
Copyright 2007-2008,2010-2011 Freescale Semiconductor, Inc  
Copyright 2007-2008 Freescale Semiconductor, Inc.  
Copyright 2007,2011 Freescale Semiconductor, Inc.  
Copyright 2007,2009 Wind River Systems <www.windriver.com>  
Copyright 2007, Freescale Semiconductor, Inc Andy Fleming  
Copyright 2007, 2011 Freescale Semiconductor, Inc. Authors: York Sun <yorksun@freescale.com> Timur Tabi <timur@freescale.com>  
Copyright 2007, 2010-2011 Freescale Semiconductor, Inc. Authors: York Sun <yorksun@freescale.com> Timur Tabi <timur@freescale.com>  
Copyright 2007, 2010-2011 Freescale Semiconductor, Inc.  
Copyright 2007, 2010 Freescale Semiconductor, Inc.  
Copyright 2007 Wind River Systems, Inc.  
Copyright 2007 Wind River Systems <www.windriver.com>  
Copyright 2007 Sun Microsystems, Inc. All rights reserved.  
Copyright 2007 Jon Loeliger, Freescale Semiconductor, Inc.  
Copyright 2007 Freescale Semiconductor, Inc. Zhang Wei <wei.zhang@freescale.com> Jason Jin <jason.jin@freescale.com>  
Copyright 2007 Embedded Specialties, Inc. Joe Hamman <joe.hamman@embeddedspecialties.com>  
Copyright 2007 Embedded Specialties, Inc.  
Copyright 2006-2009 Solarflare Communications Inc.  
Copyright 2006,2009 Freescale Semiconductor, Inc.  
Copyright 2006, 2010-2011 Freescale Semiconductor.  
Copyright 2006 Freescale Semiconductor. Jeffrey Brown Srikanth Srinivasan (srikanth.srinivasan@freescale.com)  
Copyright 2006 Freescale Semiconductor.  
Copyright 2006 Freescale Semiconductor York Sun (yorksun@freescale.com)  
Copyright 2006 - 2016 Unified EFI, Inc.<BR>  
Copyright 2005-2009 - Steven Rostedt  
Copyright 2005 Mentor Graphics Corporation  
Copyright 2005 Alessandro Zummo  
Copyright 2004-2011, 2013 Freescale Semiconductor, Inc.  
Copyright 2004-2009 Freescale Semiconductor, Inc. All Rights Reserved.  
Copyright 2004-2009 Analog Devices Inc.  
Copyright 2004-2008 Freescale Semiconductor, Inc.  
Copyright 2004-2007, 2010-2011 Freescale Semiconductor.  
Copyright 2004-2007 Freescale Semiconductor, Inc.  
Copyright 2004-2006,2010 Freescale Semiconductor, Inc. All Rights Reserved.  
Copyright 2004,2007-2008 Freescale Semiconductor, Inc.  
Copyright 2004,2007 Freescale Semiconductor.  
Copyright 2004, 2011 Freescale Semiconductor.  
Copyright 2004, 2011 Freescale Semiconductor Jeff Brown (Jeffrey@freescale.com) Srikanth Srinivasan (srikanth.srinivasan@freescale.com)  
Copyright 2004, 2007, 2010-2011 Freescale Semiconductor.  
Copyright 2004, 2007, 2009, 2011, 2013 Freescale Semiconductor, Inc.  
Copyright 2004 Matt Mackall <mpm@selenic.com>  
Copyright 2004 Karen Spearel  
Copyright 2004 Freescale Semiconductor.

Copyright 2004 Freescale Semiconductor, Inc. Liberty Eran (liberty@freescale.com)  
Copyright 2004 Freescale Semiconductor, Inc.  
Copyright 2004 Sun Microsystems, Inc.  
Copyright 2003-2004 Red Hat, Inc. All rights reserved.  
Copyright 2003-2004 Jeff Garzik  
Copyright 2003 Tungsten Graphics, Inc., Cedar Park, Texas. All Rights Reserved.  
Copyright 2003 Motorola, Inc. Xianghua Xiao(x.xiao@motorola.com)  
Copyright 2002 by Kai Gernaschewski <kai.gernaschewski@gmx.de>  
Copyright 2002 SYSGO Real-Time Solutions GmbH  
Copyright 2002 Intel (eli.kupermann@intel.com, christopher.leech@intel.com, scott.feldman@intel.com)  
Copyright 2001 Sun Microsystems (thockin@sun.com)  
Copyright 2001 Jeff Garzik <jgarzik@pobox.com>  
Copyright 2000-2009 Wolfgang Denk, DENX Software Engineering, wd@denx.de.  
Copyright 2000-2008 Wolfgang Denk, DENX Software Engineering, wd@denx.de.  
Copyright 2000-2004 Wolfgang Denk, wd@denx.de  
Copyright 2000-2002 by Hans Reiser  
Copyright 2000-2002 Wolfgang Denk, wd@denx.de  
Copyright 2000, 2001 DENX Software Engineering, Wolfgang Denk, wd@denx.de  
Copyright 2000 Roland Borde  
Copyright 2000 Paolo Scaffardi  
Copyright 1999 by (URW)++ Design & Development; Cyrillic glyphs added by Valek Filippov (C) 2001-2005  
Copyright 1998-2000 Red Hat, Inc --- All Rights Reserved  
Copyright 1997-1998 DAVICOM Semiconductor, Inc. All Rights Reserved.  
Copyright 1995-2010 Jean-loup Gailly and Mark Adler  
Copyright 1995, 1996, 1998, 1999, 2000, 2003, 2004, 2005 Free Software Foundation, Inc.  
Copyright 1995, 1996, 1998, 1999, 2000, 2003 Free Software Foundation, Inc.  
Copyright 1995 Russell King. Various bits and pieces copyrights include: Linus Torvalds  
Copyright 1994-2001 Stephen Rothwell (sfr@canb.auug.org.au)  
Copyright 1994, 1995, 2000 Neil Russell.  
Copyright 1994 - 2000 Neil Russell.  
Copyright 1992, Linus Torvalds.  
Copyright 1988, 91, 92, 93, 94, 95, 96, 97, 98, 1999 Free Software Foundation, Inc.  
Copyright (c) Thomas Gleixner <tglx@linutronix.de>  
Copyright (c) Orbacom Systems, Inc <www.orbacom.com> All rights reserved.  
Copyright (c) Nokia Corporation, 2007  
Copyright (c) Nokia Corporation, 2006, 2007  
Copyright (c) Nokia Corporation, 2006  
Copyright (c) Marc A. Viredaz, 1998 DEC Western Research Laboratory, Palo Alto, CA  
Copyright (c) International Business Machines Corp., 2006  
Copyright (c) 2022 TQ-Systems GmbH <u-boot@ew.tq-group.com>, D-82229 Seefeld, Germany. Author: Danny John  
Copyright (c) 2022 TQ-Systems GmbH <u-boot@ew.tq-group.com>, D-82229 Seefeld, Germany. Author: Alexander Stein  
Copyright (c) 2021 - 2022 TQ-Systems GmbH <u-boot@ew.tq-group.com>, D-82229 Seefeld, Germany. Author: Paul Gerber  
Copyright (c) 2021 - 2022 TQ-Systems GmbH <u-boot@ew.tq-group.com>, D-82229 Seefeld, Germany. Author: Markus Niebel  
Copyright (c) 2021 - 2022 TQ-Systems GmbH <u-boot@ew.tq-group.com>, D-82229 Seefeld, Germany. Author: Danny John  
Copyright (c) 2020, Linaro Limited  
Copyright (c) 2020 Ilias Apalodimas <ilias.apalodimas@linaro.org>  
Copyright (c) 2019, by Texas Instruments  
Copyright (c) 2019, NVIDIA CORPORATION. All rights reserved.  
Copyright (c) 2019 softathome  
Copyright (c) 2019 Written by Ramon Fried <ramon.fried@gmail.com>  
Copyright (c) 2019 Western Digital Corporation or its affiliates.  
Copyright (c) 2019 Softathome  
Copyright (c) 2019 Simon Goldschmidt <simon.k.r.goldschmidt@gmail.com>  
Copyright (c) 2019 Rockchip Electronics Co. Ltd. Author: Finley Xiao <finley.xiao@rock-chips.com>  
Copyright (c) 2019 Ramon Fried <ramon.fried@gmail.com>  
Copyright (c) 2019 NXP  
Copyright (c) 2019 Microsemi Corporation  
Copyright (c) 2019 Michael Walle <michael@walle.cc>  
Copyright (c) 2019 MediaTek Inc. Author: Sam Shih <sam.shih@mediatek.com>  
Copyright (c) 2019 MediaTek Inc.  
Copyright (c) 2019 Linaro Ltd.  
Copyright (c) 2019 Linaro Limited  
Copyright (c) 2019 Intel Corporation  
Copyright (c) 2019 Heinrich Schuchardt <xypron.glpk@gmx.de>  
Copyright (c) 2019 Heinrich Schuchardt  
Copyright (c) 2019 Heiko Schocher, DENX Software Engineering, hs@denx.de.  
Copyright (c) 2019 Google, Inc  
Copyright (c) 2019 Fuzhou Rockchip Electronics Co., Ltd  
Copyright (c) 2019 Baylibre, SAS Jerome Brunet <jbrunet@baylibre.com>  
Copyright (c) 2019 Baylibre, SAS Author: Jerome Brunet <jbrunet@baylibre.com>

Copyright (c) 2019 BayLibre, SAS Author: Neil Armstrong <narmstrong@baylibre.com>  
Copyright (c) 2019 BayLibre, SAS Author: Neil Armstrong <narmstron@baylibre.com>  
Copyright (c) 2019 BayLibre, SAS Author: Jerome Brunet <jbrunet@baylibre.com>  
Copyright (c) 2019 BayLibre, SAS Author: Fabien Parent <fparent@baylibre.com>  
Copyright (c) 2018-2019 SiFive, Inc  
Copyright (c) 2018, Theobroma Systems Design und Consulting GmbH  
Copyright (c) 2018, Ramon Fried <ramon.fried@gmail.com>  
Copyright (c) 2018 Xilinx, Inc.  
Copyright (c) 2018 Toradex, Inc.  
Copyright (c) 2018 The Chromium OS Authors. All rights reserved.  
Copyright (c) 2018 Ramon Fried <ramon.fried@gmail.com>  
Copyright (c) 2018 National Instruments  
Copyright (c) 2018 Microsemi Corporation  
Copyright (c) 2018 Microchip Technology, Inc.  
Copyright (c) 2018 MediaTek Inc. Author: Fabien Parent <fparent@baylibre.com>  
Copyright (c) 2018 MediaTek Inc.  
Copyright (c) 2018 Macronix  
Copyright (c) 2018 Linaro Limited  
Copyright (c) 2018 Joe Hershberger <joe.hershberger@ni.com>  
Copyright (c) 2018 JJ Hiblot <jjhiblot@ti.com>  
Copyright (c) 2018 Heinrich Schuchardt <xypron.glpk@gmx.de>  
Copyright (c) 2018 Heinrich Schuchardt  
Copyright (c) 2018 Google, Inc Written by Simon Glass <sjg@chromium.org>  
Copyright (c) 2018 Flowbird Martin Fuzzey <martin.fuzzey@flowbird.group>  
Copyright (c) 2018 Collabora Ltd.  
Copyright (c) 2018 Bootlin Author: Miquel Raynal <miquel.raynal@bootlin.com>  
Copyright (c) 2018 Baylibre SAS. Author: Jerome Brunet <jbrunet@baylibre.com>  
Copyright (c) 2018 BayLibre, SAS Author: Neil Armstrong <narmstrong@baylibre.com>  
Copyright (c) 2018 BayLibre, SAS Author: Neil Armstrong <narmstron@baylibre.com>  
Copyright (c) 2018 BayLibre, SAS  
Copyright (c) 2018 Arm Ltd. Author: Liviu Dudau <liviududau@foss.arm.com>  
Copyright (c) 2018 Angelo Dureghello <angelo@sysam.it>  
Copyright (c) 2018 Amlogic, inc. Author: Qiufang Dai <qiuqiang.dai@amlogic.com>  
Copyright (c) 2018 Amlogic, Inc. All rights reserved. Author: Xingyu Chen <xingyu.chen@amlogic.com> Author: Yixun Lan <yixun.lan@amlogic.com>  
Copyright (c) 2018 Amlogic, Inc. All rights reserved. Author: Xingyu Chen <xingyu.chen@amlogic.com>  
Copyright (c) 2018 Amlogic, Inc. All rights reserved.  
Copyright (c) 2018 Alexander Graf <agraf@suse.de>  
Copyright (c) 2018 AKASHI Takahiro, Linaro Limited  
Copyright (c) 2017-2018 Vasily Khoruzhick <anarsoul@gmail.com>  
Copyright (c) 2017, Impinj, Inc.  
Copyright (c) 2017, General Electric Company  
Copyright (c) 2017 Álvaro Fernández Rojas <noltari@gmail.com>  
Copyright (c) 2017 exceet electronics GmbH  
Copyright (c) 2017 Tuomas Tynkkynen  
Copyright (c) 2017 Toradex, Inc.  
Copyright (c) 2017 Theobroma Systems Design und Consulting GmbH  
Copyright (c) 2017 Theobroma Systems Design und Consulting GmbH  
Copyright (c) 2017 Rockchip Electronics Co., Ltd.  
Copyright (c) 2017 Rockchip Electronics Co. Ltd. Author: Shawn Lin <shawn.lin@rock-chips.com>  
Copyright (c) 2017 Rockchip Electronics Co. Ltd. Author: Elaine <zhangqing@rock-chips.com>  
Copyright (c) 2017 Rockchip Electronic Co.,Ltd  
Copyright (c) 2017 Rob Clark  
Copyright (c) 2017 Microsemi Corporation  
Copyright (c) 2017 Microchip Technology Inc. All rights reserved.  
Copyright (c) 2017 Martin Blumenstingl <martin.blumenstingl@googlemail.com>  
Copyright (c) 2017 Leif Lindholm  
Copyright (c) 2017 Intel Corporation <www.intel.com>  
Copyright (c) 2017 Intel Corporation  
Copyright (c) 2017 Intel Corp.  
Copyright (c) 2017 Imagination Technologies Ltd.  
Copyright (c) 2017 Icenowzy Zheng <icenowzy@aosc.xyz>  
Copyright (c) 2017 Icenowzy Zheng <icenowzy@aosc.io>  
Copyright (c) 2017 Heinrich Schuchardt <xypron.glpk@gmx.de>  
Copyright (c) 2017 Heinrich Schuchardt  
Copyright (c) 2017 Google, Inc Written by Simon Glass <sjg@chromium.org>  
Copyright (c) 2017 Google, Inc  
Copyright (c) 2017 General Electric Company. All rights reserved.  
Copyright (c) 2017 Fuzhou Rockchip Electronics Co., Ltd Author: Eric Gao <eric.gao@rock-chips.com>  
Copyright (c) 2017 Free Electrons  
Copyright (c) 2017 Cadence

Copyright (c) 2017 Baylibre, SAS Author: Neil Armstrong <narmstrong@baylibre.com>  
Copyright (c) 2017 Amlogic, inc. Author: Yixun Lan <yixun.lan@amlogic.com>  
Copyright (c) 2017 Amlogic, Inc. All rights reserved. Author: Xingyu Chen <xingyu.chen@amlogic.com>  
Copyright (c) 2017 Amlogic, Inc. All rights reserved.  
Copyright (c) 2016-present, Yann Collet, Facebook, Inc. All rights reserved.  
Copyright (c) 2016-present, Przemyslaw Skibinski, Yann Collet, Facebook, Inc. All rights reserved.  
Copyright (c) 2016-2018, Linaro Limited  
Copyright (c) 2016-2018 Alexander Graf et al.  
Copyright (c) 2016-2017 Micron Technology, Inc.  
Copyright (c) 2016-2017 Linaro Ltd.  
Copyright (c) 2016-2017 HiSilicon Technologies Co., Ltd.  
Copyright (c) 2016, NVIDIA CORPORATION.  
Copyright (c) 2016 Xilinx, Inc Written by Michal Simek  
Copyright (c) 2016 The Chromium OS Authors.  
Copyright (c) 2016 Rockchip, Inc. Authors: Daniel Meng <daniel.meng@rock-chips.com>  
Copyright (c) 2016 Rockchip Electronics Co., Ltd  
Copyright (c) 2016 Petr Kulhavy <petr@barix.com>  
Copyright (c) 2016 NextThing Co  
Copyright (c) 2016 National Instruments Corp  
Copyright (c) 2016 Microsemi Corporation  
Copyright (c) 2016 Mario Six <mario.six@gdsys.cc>  
Copyright (c) 2016 Marek Vasut <marex@denx.de>  
Copyright (c) 2016 Marcel Ziswiler <marcel.ziswiler@toradex.com>  
Copyright (c) 2016 Imagination Technologies Ltd.  
Copyright (c) 2016 Icenowzy Zheng <icenowzy@aosc.xyz>  
Copyright (c) 2016 Icenowzy Zheng <icenowzy@aosc.io>  
Copyright (c) 2016 HiSilicon Technologies Co., Ltd.  
Copyright (c) 2016 Google, Inc.  
Copyright (c) 2016 Google, Inc Written by Simon Glass <sjg@chromium.org>  
Copyright (c) 2016 Fuzhou Rockchip Electronics Co., Ltd  
Copyright (c) 2016 Freescale Semiconductor, Inc. All rights reserved.  
Copyright (c) 2016 Freescale Semiconductor, Inc.  
Copyright (c) 2016 Free Electrons  
Copyright (c) 2016 BayLibre, SAS Author: Neil Armstrong <narmstrong@baylibre.com>  
Copyright (c) 2016 Andreas Färber  
Copyright (c) 2016 Alexander Graf  
Copyright (c) 2016 ARM Ltd.  
Copyright (c) 2015-2018, Linaro Limited  
Copyright (c) 2015-2016, NVIDIA CORPORATION.  
Copyright (c) 2015-2016 Freescale Semiconductor, Inc.  
Copyright (c) 2015, Sony Mobile Communications AB.  
Copyright (c) 2015, NVIDIA CORPORATION. All rights reserved.  
Copyright (c) 2015, NVIDIA CORPORATION.  
Copyright (c) 2015, Intel Corporation Authors: Tadeusz Struk <tadeusz.struk@intel.com>  
Copyright (c) 2015, AW-SOM Technologies <www.aw-som.com>  
Copyright (c) 2015 Vladimir Zapolskiy <vz@mleia.com>  
Copyright (c) 2015 Tyco Fire Protection Products.  
Copyright (c) 2015 Sanchayan Maity <sanchayan.maity@toradex.com>  
Copyright (c) 2015 Samsung Electronics Przemyslaw Marczak <p.marczak@samsung.com>  
Copyright (c) 2015 Samsung Electronics  
Copyright (c) 2015 Realtek Semiconductor Corp. All rights reserved.  
Copyright (c) 2015 NextThing Co  
Copyright (c) 2015 National Instruments  
Copyright (c) 2015 Microchip Technology Inc. Written by Purna Chandra Mandal <purna.mandal@microchip.com>  
Copyright (c) 2015 Microchip Technology Inc. Purna Chandra Mandal <purna.mandal@microchip.com>  
Copyright (c) 2015 Linaro Limited.  
Copyright (c) 2015 Linaro Limited  
Copyright (c) 2015 Jagan Teki <jteki@openedev.com>  
Copyright (c) 2015 Hisilicon Limited.  
Copyright (c) 2015 Heiko Stuebner <heiko@sntech.de>  
Copyright (c) 2015 Hans de Goede <hdegoede@redhat.com>  
Copyright (c) 2015 Google, Inc.  
Copyright (c) 2015 Google, Inc Written by Simon Glass <sjg@chromium.org> All rights reserved.  
Copyright (c) 2015 Google, Inc Written by Simon Glass <sjg@chromium.org>  
Copyright (c) 2015 Google, Inc Wolfgang Denk, DENX Software Engineering, wd@denx.de.  
Copyright (c) 2015 Free Electrons  
Copyright (c) 2015 Atmel Corporation Wenyou Yang <wenyou.yang@atmel.com>  
Copyright (c) 2015 Angelo Dureghello <angelo@sysam.it>  
Copyright (c) 2015 Andreas Bießmann <andreas@biessmann.org>  
Copyright (c) 2015 - 2019 MediaTek Inc. Author: Chunfeng Yun <chunfeng.yun@mediatek.com> Ryder Lee <ryder.lee@mediatek.com>



Copyright (c) 2014-2017 Broadcom  
Copyright (c) 2014-2016 Marcel Ziswiler  
Copyright (c) 2014-2015, Antmicro Ltd <www.antmicro.com>  
Copyright (c) 2014, Renesas Electronics Corporation All rights reserved.  
Copyright (c) 2014, NVIDIA CORPORATION. All rights reserved.  
Copyright (c) 2014 sigma star gmbh Author: Richard Weinberger <richard@nod.at>  
Copyright (c) 2014 The Chromium OS Authors.  
Copyright (c) 2014 Texas Instruments Incorporated - <http://www.ti.com>  
Copyright (c) 2014 Samsung Electronics Co., Ltd. <http://www.samsung.com>  
Copyright (c) 2014 Samsung Electronics Co., Ltd. Author: Naveen Krishna Ch <naveenkrishna.ch@gmail.com>  
Copyright (c) 2014 Rene Griessl <rgriessl@cit-ec.uni-bielefeld.de>  
Copyright (c) 2014 Nobuhiro Iwamatsu <nobuhiro.iwamatsu.yj@renesas.com>  
Copyright (c) 2014 MundoReader S.L. Author: Heiko Stuebner <heiko@sntech.de>  
Copyright (c) 2014 Imagination Technologies Author: Alex Smith <alex.smith@imgtec.com>  
Copyright (c) 2014 Heiko Schocher, DENX Software Engineering, [hs@denx.de](mailto:hs@denx.de).  
Copyright (c) 2014 Google, Inc.  
Copyright (c) 2014 Google, Inc Written by Simon Glass <sjg@chromium.org>  
Copyright (c) 2013-2016, NVIDIA CORPORATION.  
Copyright (c) 2013-2016 Stefan Agner  
Copyright (c) 2013, Compulab Inc.  
Copyright (c) 2013, Andreas Oetken.  
Copyright (c) 2013 Xilinx Inc.  
Copyright (c) 2013 The Chromium OS Authors.  
Copyright (c) 2013 Samsung Electronics Co., Ltd. <http://www.samsung.com>  
Copyright (c) 2013 NVIDIA CORPORATION. All rights reserved.  
Copyright (c) 2013 MundoReader S.L. Author: Heiko Stuebner <heiko@sntech.de>  
Copyright (c) 2013 Lucas Stach  
Copyright (c) 2013 Imagination Technologies Author: Paul Burton <paul.burton@mips.com>  
Copyright (c) 2013 Imagination Technologies Author: Paul Burton <paul.burton@imgtec.com>  
Copyright (c) 2013 Google, Inc. Written by Simon Glass <sjg@chromium.org>  
Copyright (c) 2013 Google, Inc.  
Copyright (c) 2013 Gerhard Sittig <gsi@denx.de>  
Copyright (c) 2013 Albert ARIBAUD <albert.u.boot@aribaud.net>  
Copyright (c) 2013 Adapted from Linux driver:  
Copyright (c) 2013 - 2018 Xilinx, Michal Simek  
Copyright (c) 2013 Andre Przywara <andre.przywara@linaro.org>  
Copyright (c) 2012: Joe Hershberger, National Instruments, [joe.hershberger@ni.com](mailto:joe.hershberger@ni.com) All rights reserved.  
Copyright (c) 2012-2016, Freescale Semiconductor, Inc. All rights reserved.  
Copyright (c) 2012-2014 The Linux Foundation. All rights reserved.  
Copyright (c) 2012-2014 Birdland Audio - <http://birdland.com/oem>  
Copyright (c) 2012-2013, The Linux Foundation. All rights reserved.  
Copyright (c) 2012, Pablo Impallari ([www.impallari.com](http://www.impallari.com)|[impallari@gmail.com](mailto:impallari@gmail.com)), Rodrigo Fuenzalida ([www.rfuenzalida.com](http://www.rfuenzalida.com)|[hello@rfuenzalida.com](mailto:hello@rfuenzalida.com)) with Reserved Font Name Cantora.  
Copyright (c) 2012, NVIDIA CORPORATION. All rights reserved.  
Copyright (c) 2012 The Chromium OS Authors. All rights reserved.  
Copyright (c) 2012 The Chromium OS Authors.  
Copyright (c) 2012 Stephan Linz <linz@li-pro.net>  
Copyright (c) 2012 Samsung Electronics Co., Ltd. <http://www.samsung.com> Akshay Saraswat <akshay.s@samsung.com>  
Copyright (c) 2012 Samsung Electronics Co. Ltd  
Copyright (c) 2012 Samsung Electronics  
Copyright (c) 2012 Michael Walle Michael Walle <michael@walle.cc>  
Copyright (c) 2012 Linutronix GmbH  
Copyright (c) 2012 Google Inc. All rights reserved.  
Copyright (c) 2012 Google Inc.  
Copyright (c) 2012 CompuLab, Ltd Dmitry Lifshitz <lifshitz@compulab.co.il> Ilya Ledvich <ilya@compulab.co.il> Inspired by Alberto Panizzo <maramaopercheseimorto@gmail.com> & Marek Vasut  
Copyright (c) 2012 Anders Electronics plc. All Rights Reserved.  
Copyright (c) 2012 Albert ARIBAUD <albert.u.boot@aribaud.net>  
Copyright (c) 2011-2019, Ulf Magnusson  
Copyright (c) 2011-2018 Xilinx Inc.  
Copyright (c) 2011-2013, NVIDIA Corporation.  
Copyright (c) 2011-2013 The Chromium OS Authors. See file CREDITS for list of people who contributed to this project.  
Copyright (c) 2011-2012 The Chromium OS Authors.  
Copyright (c) 2011, Pablo Impallari ([www.impallari.com](http://www.impallari.com)|[impallari@gmail.com](mailto:impallari@gmail.com)), Rodrigo Fuenzalida ([www.rfuenzalida.com](http://www.rfuenzalida.com)) with Reserved Font Name Cantora.  
Copyright (c) 2011, NVIDIA Corp. All rights reserved.  
Copyright (c) 2011, Google Inc. All rights reserved.  
Copyright (c) 2011 samsung electronics Donghwa Lee <dh09.lee@samsung.com>  
Copyright (c) 2011 The ChromiumOS Authors. All rights reserved.  
Copyright (c) 2011 The ChromiumOS Authors.  
Copyright (c) 2011 The Chromium OS Authors. All rights reserved.

Copyright (c) 2011 The Chromium OS Authors.  
Copyright (c) 2011 Sebastian Andrzej Siewior <bigeasy@linutronix.de>  
Copyright (c) 2011 Roberto Cerati <roberto.cerati@bticino.it>  
Copyright (c) 2011 Marek Vasut <marek.vasut@gmail.com> on behalf of DENX Software Engineering GmbH  
Copyright (c) 2011 IDS GmbH, Germany Sergej Stepanov <ste@ids.de>  
Copyright (c) 2010-2016, NVIDIA CORPORATION.  
Copyright (c) 2010-2013 NVIDIA Corporation  
Copyright (c) 2010-2013 NVIDIA CORPORATION. All rights reserved.  
Copyright (c) 2010-2012, NVIDIA CORPORATION. All rights reserved.  
Copyright (c) 2010-2012 NVIDIA CORPORATION. All rights reserved.  
Copyright (c) 2010-2011 NVIDIA Corporation NVIDIA Corporation <www.nvidia.com>  
Copyright (c) 2010-2011 Jeremy Kerr <jeremy.kerr@canonical.com>  
Copyright (c) 2010, by Texas Instruments  
Copyright (c) 2010, Andrey Makarov (makarov@bmsu.ru, mka-at-mailru@mail.ru), with Reserved Font Name Anka/Coder Narrow.  
Copyright (c) 2010 Graeme Smecher <graeme.smecher@mail.mcgill.ca>  
Copyright (c) 2010 Albert Aribaud.  
Copyright (c) 2010 - 2016, Intel Corporation. All rights reserved.  
Copyright (c) 2010 Albert Aribaud <albert.u.boot@aribaud.net>  
Copyright (c) 2009-2015 NVIDIA Corporation  
Copyright (c) 2009-2014, The Linux Foundation. All rights reserved.  
Copyright (c) 2009-2010 Wind River Systems, Inc.  
Copyright (c) 2009-2010 Intel Corporation  
Copyright (c) 2009, Intel Corporation.  
Copyright (c) 2009, Google Inc. All rights reserved.  
Copyright (c) 2009, Code Aurora Forum. All rights reserved.  
Copyright (c) 2009, Brush Technology  
Copyright (c) 2009 Wind River Systems, Inc. Tom Rix <Tom.Rix@windriver.com>  
Copyright (c) 2009 Texas Instruments  
Copyright (c) 2009 Robin Getz <rgetz@blackfin.uclinux.org>  
Copyright (c) 2009 Patrick Hueper <phueper@hueper.net> All rights reserved.  
Copyright (c) 2009 MontaVista Software, Inc.  
Copyright (c) 2009 Micrel Inc.  
Copyright (c) 2009 Analog Devices Inc.  
Copyright (c) 2008-2019, MontaVista Software, Inc. <source@mvista.com>  
Copyright (c) 2008-2011 Analog Devices Inc.  
Copyright (c) 2008-2009 Analog Devices Inc.  
Copyright (c) 2008, Michael Trimarchi <trimarchimichael@yahoo.it> All rights reserved.  
Copyright (c) 2008, Michael Trimarchi <trimarchimichael@yahoo.it>  
Copyright (c) 2008, 2011, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2008, 2011, 2014 2014 Nobuhiro Iwamatsu  
Copyright (c) 2008, 2010, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2008, 2009 esd gmbh Hannover Germany  
Copyright (c) 2008 Texas Instruments Author: Thomas Abraham t-abraham@ti.com, Texas Instruments  
Copyright (c) 2008 Texas Instruments  
Copyright (c) 2008 Pieter Voorthuijsen <pieter.voorthuijsen@prodrive.nl>  
Copyright (c) 2008 Magnus Damm  
Copyright (c) 2008 Herbert Xu <herbert@gondor.apana.org.au>  
Copyright (c) 2008 Freescale Semiconductor, Inc. Author: Scott Wood <scottwood@freescale.com>  
Copyright (c) 2008 Excito Elektronik i Skåne AB  
Copyright (c) 2008 Eric Jarrige <eric.jarrige@armadeus.org>  
Copyright (c) 2008 Analog Devices Inc.  
Copyright (c) 2008 - 2012 Nobuhiro Iwamatsu  
Copyright (c) 2007-2008, Juniper Networks, Inc. All rights reserved.  
Copyright (c) 2007-2008, Juniper Networks, Inc.  
Copyright (c) 2007-2008 Nobuhiro Iwamatsu <iwamatsu@nigauri.org>  
Copyright (c) 2007, 2011, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2007 Nobuhiro Iwamatsu <iwamatsu@nigauri.org>  
Copyright (c) 2007 Carlos Munoz <carlos@kenati.com>  
Copyright (c) 2007 Samsung Electronics  
Copyright (c) 2006-2009, 2011 Freescale Semiconductor, Inc. Author: Shlomi Gridih <gridish@freescale.com>  
Copyright (c) 2006-2009 Analog Devices Inc.  
Copyright (c) 2006-2008 Syed Mohammed Khasim <x0khasim@ti.com>  
Copyright (c) 2006-2008 Freescale Semiconductor  
Copyright (c) 2006-2007 Wind River Systems, Inc.  
Copyright (c) 2006 Thomas Gleixner <tglx@linutronix.de>  
Copyright (c) 2006 Tejun Heo <teheo@suse.de>  
Copyright (c) 2006 SUSE Linux Products GmbH  
Copyright (c) 2006 Herbert Valerio Riedel <hvr@gnu.org>  
Copyright (c) 2006 Ben Warren, Qstreams Networks Inc.  
Copyright (c) 2005-2016 Freescale Semiconductor, Inc.

Copyright (c) 2005-2011 Analog Devices Inc.  
Copyright (c) 2005-2008 Analog Devices Inc.  
Copyright (c) 2005-2007 Analog Devices Inc.  
Copyright (c) 2005-2006 Gianluigi Tiesi <sherpya@netfarm.it> Parts by Kees Zeelenberg <kzlg@users.sourceforge.net>  
Copyright (c) 2005, Keir Fraser <keir@xensource.com>  
Copyright (c) 2005, Keir Fraser  
Copyright (c) 2005, 2009 Freescale Semiconductor, Inc  
Copyright (c) 2005 MontaVista Software  
Copyright (c) 2005 Ben Gardner <bgardner@wabtec.com>  
Copyright (c) 2004-2010 by Internet Systems Consortium, Inc. ("ISC")  
Copyright (c) 2004-2008 Texas Instruments  
Copyright (c) 2004-2005 Sergey Lyubka <valenok@gmail.com> All rights reserved  
Copyright (c) 2004-2005 Sergey Lyubka <valenok@gmail.com>  
Copyright (c) 2004, K A Fraser  
Copyright (c) 2004, 2008 IBM Corporation  
Copyright (c) 2004 Texas Instruments  
Copyright (c) 2004 Cisco Systems, Inc.  
Copyright (c) 2004 Texas Instruments <r-woodruff2@ti.com>  
Copyright (c) 2003/06, Courage Co., Ltd.  
Copyright (c) 2003-2006, Cluster File Systems, Inc, info@clusterfs.com Written by Alex Tomas <alex@clusterfs.com>  
Copyright (c) 2003-2005 by Peter Astrand <astrand@lysator.liu.se>  
Copyright (c) 2003-2004, K A Fraser.  
Copyright (c) 2003 Texas Instruments  
Copyright (c) 2003 Motorola, Inc.  
Copyright (c) 2003 Motorola Inc. Xianghua Xiao (X.Xiao@motorola.com)  
Copyright (c) 2003 Richard Woodruff <r-woodruff2@ti.com>  
Copyright (c) 2003 Kshitij <kshitij@ti.com>  
Copyright (c) 2002-2007 Xilinx Inc.  
Copyright (c) 2002-2006, K Fraser  
Copyright (c) 2002 Kyle Harris <kharris@nexus-tech.net>  
Copyright (c) 2002 Gary Jennejohn <garyj@denx.de>  
Copyright (c) 2002 Alex Züpke <azu@sysgo.de>  
Copyright (c) 2002 Alex Zupke <azu@sysgo.de>  
Copyright (c) 2001 Wolfgang Denk, DENX Software Engineering, <wd@denx.de>.  
Copyright (c) 2001 William L. Pitts All rights reserved.  
Copyright (c) 2001 Navin Boppuri / Prashant Patel nboppuri@trinetcommunication.com>, pmpatel@trinetcommunication.com>  
Copyright (c) 2001 Marius Gröger <mag@sysgo.de>  
Copyright (c) 2001 Hewlett Packard  
Copyright (c) 2001 Gerd Mennchen <Gerd.Mennchen@icn.siemens.de>  
Copyright (c) 2001 Marius Groger <mag@sysgo.de>  
Copyright (c) 2001 Alex Züpke <azu@sysgo.de>  
Copyright (c) 2000-2002 Lineo  
Copyright (c) 2000 William L. Pitts and W. Gerald Hicks All rights reserved.  
Copyright (c) 2000 MontaVista Software, Inc.  
Copyright (c) 2000 MontaVista Software, Inc (source@mvista.com)  
Copyright (c) 2000 Wolfgang Denk <wd@denx.de>  
Copyright (c) 1999-2002 Vojtech Pavlik  
Copyright (c) 1999 Magnus Damm <kieraypc01.p.y.kie.era.ericsson.se>  
Copyright (c) 1999 Dan Malek (dmalek@jlc.net)  
Copyright (c) 1998 by Michael Barr.  
Copyright (c) 1998 Michael Zucchi, All Rights Reserved  
Copyright (c) 1998 Dan Malek <dmalek@jlc.net>  
Copyright (c) 1997 Dan Malek (dmalek@jlc.net)  
Copyright (c) 1996 Russell King  
Copyright (c) 1995-2003 by Internet Software Consortium  
Copyright (c) 1995, 1996, 2001, 2002 Erik Theisen. All rights reserved.  
Copyright (c) 1992, 1993 The Regents of the University of California. All rights reserved.  
Copyright (c) 1992 Simon Glass  
Copyright (C) Sun Microsystems 2008  
Copyright (C) Stefano Babic <sbabic@denx.de>  
Copyright (C) Samsung Electronics, 2009  
Copyright (C) STMicroelectronics SA 2017 Author(s): Patrice CHOTARD, <patrice.chotard@st.com>  
Copyright (C) STMicroelectronics SA 2017  
Copyright (C) STMicroelectronics 2019 Author: Christophe Kerello <christophe.kerello@st.com>  
Copyright (C) STMicroelectronics 2019 - All Rights Reserved Author: Alexandre Torgue <alexandre.torgue@st.com>  
Copyright (C) STMicroelectronics 2019 - All Rights Reserved  
Copyright (C) STMicroelectronics 2018 - All Rights Reserved Author: Philippe Peurichard <philippe.peurichard@st.com>, Pascal Paillet <p.paillet@st.com>  
Copyright (C) STMicroelectronics 2018 - All Rights Reserved Author: Gabriel Fernandez <gabriel.fernandez@st.com>  
Copyright (C) STMicroelectronics 2017 - All Rights Reserved Author: Torgue Alexandre <alexandre.torgue@st.com>

Copyright (C) STMicroelectronics 2017 - All Rights Reserved Author: Ludovic Barre <ludovic.barre@st.com>  
Copyright (C) STMicroelectronics 2017 - All Rights Reserved Author: Alexandre Torgue <alexandre.torgue@st.com>  
Copyright (C) STMicroelectronics 2017 - All Rights Reserved  
Copyright (C) ST-Ericsson SA 2010  
Copyright (C) Procsys. All rights reserved. Mushtaq Khan <mushtaq\_k@procsys.com> mushtaqk\_921@yahoo.co.in>  
Copyright (C) Nokia Corporation, 2007  
Copyright (C) Nelson Integration, LLC 2016 Author: Eric Nelson<eric@nelint.com>  
Copyright (C) Nalin Dahyabhai <bigfun@pobox.com>  
Copyright (C) Microsoft Corporation  
Copyright (C) Marvell International Ltd. and its affiliates  
Copyright (C) Linux Networx. Massive upgrade to work with the new intel gigabit NICs. ebiederman at lnx dot com>  
Copyright (C) Freescale Semiconductor, Inc. 2006. Author: Jason Jin<Jason.jin@freescale.com> Zhang Wei<wei.zhang@freescale.com>  
Copyright (C) Freescale Semiconductor, Inc. 2006.  
Copyright (C) Freescale Semiconductor, Inc. 2006, 2010.  
Copyright (C) Excito Elektronik i Skåne AB, All rights reserved. Author: Tor Krill <tor@excito.com>  
Copyright (C) Excito Elektronik i Skåne AB, 2010. Author: Tor Krill <tor@excito.com>  
Copyright (C) EETS GmbH, 2017, Felix Brack <f.brack@eets.ch>  
Copyright (C) David Mosberger-Tang  
Copyright (C) DENX GmbH  
Copyright (C) Broadcom Corporation  
Copyright (C) Archway Digital Solutions.  
Copyright (C) 2022 TQ-Systems GmbH Author: Markus Niebel <Markus.Niebel@tq-group.com>  
Copyright (C) 2022 Marek Vasut <marex@denx.de>  
Copyright (C) 2020 TQ-Systems GmbH Markus Niebel <Markus.Niebel@tq-group.com>  
Copyright (C) 2020 Philippe Reynes <philippe.reynes@softathome.com>  
Copyright (C) 2020 Cortina-Access  
Copyright (C) 2020 Cortina Access Inc.  
Copyright (C) 2019-2021 by Mediatek  
Copyright (C) 2019, Theobroma Systems Design und Consulting GmbH  
Copyright (C) 2019, Texas Instruments, Incorporated  
Copyright (C) 2019, IBM Corporation.  
Copyright (C) 2019 shuyiqi <shuyiqi@phytium.com.cn> liuhao <liuhao@phytium.com.cn>  
Copyright (C) 2019 Vasily Khoruzhick <anarsoul@gmail.com>  
Copyright (C) 2019 Texas Instruments Incorporated - <http://www.ti.com/> Tero Kristo <t-kristo@ti.com>  
Copyright (C) 2019 Texas Instruments Incorporated - <http://www.ti.com/> Author: Vignesh Raghavendra <vigneshr@ti.com>  
Copyright (C) 2019 Texas Instruments Incorporated - <http://www.ti.com/>  
Copyright (C) 2019 TQ-Systems GmbH Markus Niebel <Markus.Niebel@tq-group.com>  
Copyright (C) 2019 Synopsys, Inc. All rights reserved. Author: Eugeny Paltsev <Eugeny.Paltsev@synopsys.com>  
Copyright (C) 2019 Synopsys Author: Eugeny Paltsev <Eugeny.Paltsev@synopsys.com>  
Copyright (C) 2019 Stephan Gerhold <stephan@gerhold.net>  
Copyright (C) 2019 Stefan Roeser <sr@denx.de>  
Copyright (C) 2019 SiFive, Inc.  
Copyright (C) 2019 STMicroelectronics - All Rights Reserved Author(s): Yannick Fertre <yannick.fertre@st.com> Philippe Cornu <philippe.cornu@st.com>  
Copyright (C) 2019 STMicroelectronics - All Rights Reserved Author(s): Yannick Fertre <yannick.fertre@st.com>  
Copyright (C) 2019 STMicroelectronics - All Rights Reserved Author(s): Philippe Cornu <philippe.cornu@st.com> Yannick Fertre <yannick.fertre@st.com>  
Copyright (C) 2019 STMicroelectronics - All Rights Reserved Andrzej Hajda <a.hajda@samsung.com>  
Copyright (C) 2019 STMicroelectronics - All Rights Reserved  
Copyright (C) 2019 Rosy Song <rosysong@rosinson.com>  
Copyright (C) 2019 Renesas Electronics Corporation  
Copyright (C) 2019 ROHM Semiconductors  
Copyright (C) 2019 Philippe Reynes <philippe.reynes@softathome.com>  
Copyright (C) 2019 Pepperl+Fuchs Simon Goldschmidt <simon.k.r.goldschmidt@gmail.com>  
Copyright (C) 2019 Parthiban Nallathambi <parthitce@gmail.com>  
Copyright (C) 2019 PHYTEC Messtechnik GmbH Author: Stefan Riedmueller <s.riedmueller@phytec.de>  
Copyright (C) 2019 Microchip Technology Inc. and its subsidiaries  
Copyright (C) 2019 Microchip Technology Inc. Padmarao Begari <padmarao.begari@microchip.com>  
Copyright (C) 2019 MediaTek Inc. Author: Ryder Lee <ryder.lee@mediatek.com>  
Copyright (C) 2019 MediaTek Inc. Author: Mingming Lee <mingming.lee@mediatek.com>  
Copyright (C) 2019 MediaTek Inc. All Rights Reserved.  
Copyright (C) 2019 Marek Vasut <marex@denx.de>  
Copyright (C) 2019 Marek Vasut <marek.vasut@gmail.com>  
Copyright (C) 2019 Lukasz Majewski, DENX Software Engineering, lukma@denx.de  
Copyright (C) 2019 Luca Ceresoli <luca@lucaceresoli.net>  
Copyright (C) 2019 Logic PD, Inc.  
Copyright (C) 2019 Logic PD <aford173@gmail.com>  
Copyright (C) 2019 Jerome Brunet <jbrunet@baylibre.com>  
Copyright (C) 2019 Intel Corporation <www.intel.com>

Copyright (C) 2019 Heiko Schocher <hs@denx.de>  
Copyright (C) 2019 Fraunhofer AISEC, Lukas Auer <lukas.auer@aisec.fraunhofer.de>  
Copyright (C) 2019 Frank Wunderlich <frank-w@public-files.de>  
Copyright (C) 2019 Eugeniu Rosca <rosca.eugeniu@gmail.com>  
Copyright (C) 2019 Disruptive Technologies Research AS Sven Schwermer <sven.svenschwermer@disruptive-technologies.com>  
Copyright (C) 2019 DH electronics GmbH  
Copyright (C) 2019 DENX Software Engineering Lukasz Majewski, DENX Software Engineering, lukma@denx.de  
Copyright (C) 2019 DENX Software Engineering GmbH  
Copyright (C) 2019 Claudius Heine <ch@denx.de>  
Copyright (C) 2019 BayLibre, SAS Author: Chen Zhong <chen.zhong@mediatek.com>  
Copyright (C) 2019 Author(s): Giulio Benetti <giulio.benetti@benettiengineering.com>  
Copyright (C) 2019 Andes Technology Corporation Rick Chen, Andes Technology Corporation <rick@andestech.com>  
Copyright (C) 2019 Amit Singh Tomar <amittomer25@gmail.com>  
Copyright (C) 2018-2019 Xilinx, Inc.  
Copyright (C) 2018-2019 Texas Instruments Incorporated - <http://www.ti.com/> Lokesh Vutla <lokeshvutla@ti.com> Suman Anna <s-anna@ti.com>  
Copyright (C) 2018-2019 Texas Instruments Incorporated - <http://www.ti.com/> Lokesh Vutla <lokeshvutla@ti.com>  
Copyright (C) 2018-2019 TQ-Systems GmbH  
Copyright (C) 2018-2019 SiFive, Inc. Wesley Terpstra Paul Walmsley  
Copyright (C) 2018-2019 Renesas Electronics Corp.  
Copyright (C) 2018-2019 Intel Corporation <www.intel.com>  
Copyright (C) 2018, Tuomas Tynkkynen <tuomas.tynkkynen@iki.fi>  
Copyright (C) 2018, STMicroelectronics - All Rights Reserved Author: Fabrice Gasnier <fabrice.gasnier@st.com>  
Copyright (C) 2018, STMicroelectronics - All Rights Reserved Author: Christophe Kerello <christophe.kerello@st.com>  
Copyright (C) 2018, STMicroelectronics - All Rights Reserved Author(s): Patrice Chotard, <patrice.chotard@st.com>  
Copyright (C) 2018, STMicroelectronics - All Rights Reserved  
Copyright (C) 2018, IBM Corporation.  
Copyright (C) 2018, Bin Meng <bmeng.cn@gmail.com>  
Copyright (C) 2018 Álvaro Fernández Rojas <noltari@gmail.com>  
Copyright (C) 2018 sjoerd Simons <sjoerd.simons@collabora.co.uk>  
Copyright (C) 2018 exceet electronics GmbH  
Copyright (C) 2018 embedded brains GmbH  
Copyright (C) 2018 Zodiac Inflight Innovations  
Copyright (C) 2018 Xilinx, Inc. - Michal Simek  
Copyright (C) 2018 Toradex Authors: Stefan Agner <stefan.agner@toradex.com>  
Copyright (C) 2018 Toradex  
Copyright (C) 2018 The Android Open Source Project  
Copyright (C) 2018 Texas Instruments Incorporated - <http://www.ti.com/> Nishanth Menon Lokesh Vutla <lokeshvutla@ti.com>  
Copyright (C) 2018 Texas Instruments Incorporated - <http://www.ti.com/> Lokesh Vutla <lokeshvutla@ti.com>  
Copyright (C) 2018 Texas Instruments Incorporated - <http://www.ti.com/> Andreas Dannenberg <dannenberg@ti.com>  
Copyright (C) 2018 Texas Instruments Incorporated - <http://www.ti.com/>  
Copyright (C) 2018 Texas Instruments Incorporated - [http://www.ti.com](http://www.ti.com/) Written by Jean-Jacques Hiblot <jjhiblot@ti.com>  
Copyright (C) 2018 Texas Instruments Incorporated - [http://www.ti.com](http://www.ti.com/) Author: Peter Ujfalusi <peter.ujfalusi@ti.com>  
Copyright (C) 2018 Texas Instruments Incorporated <www.ti.com>  
Copyright (C) 2018 Texas Instruments Author: Kishon Vijay Abraham I <kishon@ti.com>  
Copyright (C) 2018 Texas Instruments  
Copyright (C) 2018 Synopsys, Inc. All rights reserved.  
Copyright (C) 2018 Stefan Roese <sr@denx.de>  
Copyright (C) 2018 Simone CIANNI <simone.cianni@bticino.it>  
Copyright (C) 2018 SiFive, Inc. Wesley Terpstra Paul Walmsley  
Copyright (C) 2018 Samsung Electronics Jaehoon Chung <jh80.chung@samsung.com>  
Copyright (C) 2018 STMicroelectronics - All Rights Reserved Author(s): Yannick Fertre <yannick.fertre@st.com> Philippe Cornu <philippe.cornu@st.com>  
Copyright (C) 2018 STMicroelectronics - All Rights Reserved Author(s): Andrzej Hajda <a.hajda@samsung.com> Yannick Fertre <yannick.fertre@st.com> Philippe Cornu <philippe.cornu@st.com>  
Copyright (C) 2018 Rosy Song <rosysong@rosinson.com>  
Copyright (C) 2018 Robert Bosch Power Tools GmbH  
Copyright (C) 2018 Renesas Electronics Corporation  
Copyright (C) 2018 Renesas Electronics Corp.  
Copyright (C) 2018 Raffaele RECALCATI <raffaele.recalcati@bticino.it>  
Copyright (C) 2018 Philippe Reynes <philippe.reynes@softathome.com>  
Copyright (C) 2018 Pengutronix, Lucas Stach <kernel@pengutronix.de>  
Copyright (C) 2018 Neil Armstrong <narmstrong@baylibre.com>  
Copyright (C) 2018 Microhip / Atmel Corporation Wenyou.Yang <wenyou.yang@microchip.com>  
Copyright (C) 2018 Microchip Technology Inc. and its subsidiaries  
Copyright (C) 2018 Microchip Corporation Eugen Hristev <eugen.hristev@microchip.com>  
Copyright (C) 2018 Michal Simek <michal.simek@xilinx.com>  
Copyright (C) 2018 MediaTek Inc. Author: Wu Zou <wu.zou@mediatek.com> Ryder Lee <ryder.lee@mediatek.com>  
Copyright (C) 2018 MediaTek Inc. Author: Weijie Gao <weijie.gao@mediatek.com>

Copyright (C) 2018 MediaTek Inc. Author: Ryder Lee <ryder.lee@mediatek.com>  
Copyright (C) 2018 Masahiro Yamada <yamada.masahiro@socionext.com>  
Copyright (C) 2018 Marvell International Ltd. Author: Ken Ma <make@marvell.com>  
Copyright (C) 2018 Marvell International Ltd.  
Copyright (C) 2018 Martin Blumenstingl <martin.blumenstingl@googlemail.com>  
Copyright (C) 2018 Marek Vasut <marex@denx.de>  
Copyright (C) 2018 Marek Vasut <marek.vasut@gmail.com>  
Copyright (C) 2018 Marek Behun <marek.behun@nic.cz>  
Copyright (C) 2018 Manivannan Sadhasivam <manivannan.sadhasivam@linaro.org>  
Copyright (C) 2018 Lukasz Majewski, DENX Software Engineering, lukma@denx.de  
Copyright (C) 2018 Lukasz Majewski <lukma@denx.de>  
Copyright (C) 2018 Kontron Electronics GmbH  
Copyright (C) 2018 Jerome Brunet <jbrunet@baylibre.com>  
Copyright (C) 2018 Jernej Skrabec <jernejskrabec@siol.net>  
Copyright (C) 2018 Jagan Teki <jagan@amarulasolutions.com>  
Copyright (C) 2018 Jacopo Mondi <jacopo@jmondi.org>  
Copyright (C) 2018 Jacopo Mondi <jacopo+renesas@jmondi.org>  
Copyright (C) 2018 Intel Corporation <www.intel.com>  
Copyright (C) 2018 Exceet Electronics GmbH  
Copyright (C) 2018 Engicam S.r.l.  
Copyright (C) 2018 EETS GmbH - <https://www.eets.ch/>  
Copyright (C) 2018 Dennis Gilmore <dgilmore@redhat.com>  
Copyright (C) 2018 DENX Software Engineering Måns Rullgård, DENX Software Engineering, mans@mansr.com  
Copyright (C) 2018 DENX Software Engineering Lukasz Majewski <lukma@denx.de>  
Copyright (C) 2018 Cryptera A/S  
Copyright (C) 2018 Cogent Embedded, Inc.  
Copyright (C) 2018 Bootlin  
Copyright (C) 2018 BayLibre, SAS Author: Jorge Ramirez-Ortiz <jramirez@baylibre.com>  
Copyright (C) 2018 BayLibre, SAS Author: Fabien Parent <fparent@baylibre.com>  
Copyright (C) 2018 BTicino  
Copyright (C) 2018 B&R Industrial Automation GmbH <http://www.br-automation.com/>  
Copyright (C) 2018 Armadeus Systems <support@armadeus.com>  
Copyright (C) 2018 Armadeus Systems  
Copyright (C) 2018 Arm Ltd Author: Liviu Dudau <liviududau@foss.arm.com>  
Copyright (C) 2018 Anup Patel <anup@brainfault.org>  
Copyright (C) 2018 Amarula Solutions.  
Copyright (C) 2018 Amarula Solutions B.V. Author: Jagan Teki <jagan@amarulasolutions.com>  
Copyright (C) 2018 Amarula Solutions B.V.  
Copyright (C) 2018 Amarula Solutions Author: Jagan Teki <jagan@amarulasolutions.com>  
Copyright (C) 2018 Allied Telesis Labs  
Copyright (C) 2017-2020 ABB  
Copyright (C) 2017-2019 SoMLabs  
Copyright (C) 2017-2019 Renesas Electronics  
Copyright (C) 2017-2019 Intel Corporation <www.intel.com>  
Copyright (C) 2017-2019 A. Karas, SomLabs  
Copyright (C) 2017-2018 Texas Instruments Incorporated - <http://www.ti.com/> Lokesh Vutla <lokeshvutla@ti.com>  
Copyright (C) 2017-2018 STMicroelectronics - All Rights Reserved Author(s): Philippe Cornu <philippe.cornu@st.com>  
Yannick Fertre <yannick.fertre@st.com>  
Copyright (C) 2017-2018 Pengutronix, Lucas Stach <kernel@pengutronix.de>  
Copyright (C) 2017-2018 Marek Vasut <marek.vasut@gmail.com>  
Copyright (C) 2017-2018 Intel Corporation <www.intel.com>  
Copyright (C) 2017-2018 Cadence Design Systems, Inc.  
Copyright (C) 2017, STMicroelectronics - All Rights Reserved Author: Patrick Delaunay <patrick.delaunay@st.com>  
Copyright (C) 2017, STMicroelectronics - All Rights Reserved Author(s): Vikas Manocha, <vikas.manocha@st.com>  
Copyright (C) 2017, STMicroelectronics - All Rights Reserved Author(s): Patrice Chotard, <patrice.chotard@st.com>  
Copyright (C) 2017 Xingyu Chen <xingyu.chen@amlogic.com>  
Copyright (C) 2017 Weidmüller Interface GmbH & Co. KG Stefan Herbrechtsmeier <stefan.herbrechtsmeier@weidmueller.com>  
Copyright (C) 2017 Vasily Khoruzhick <anarsoul@gmail.com>  
Copyright (C) 2017 Toradex Author: Stefan Agner <stefan.agner@toradex.com>  
Copyright (C) 2017 The Android Open Source Project  
Copyright (C) 2017 Texas Instruments Written by Franklin Cooper Jr. <fcooper@ti.com>  
Copyright (C) 2017 Texas Instruments Incorporated - <http://www.ti.com/> Written by Jean-Jacques Hiblot <jjhiblot@ti.com>  
Copyright (C) 2017 Texas Instruments Incorporated - <http://www.ti.com/>  
Copyright (C) 2017 Texas Instruments Author: Kishon Vijay Abraham I <kishon@ti.com>  
Copyright (C) 2017 Synopsys, Inc. All rights reserved.  
Copyright (C) 2017 Synopsys Author: Eugeny Paltsev <Eugeny.Paltsev@synopsys.com>  
Copyright (C) 2017 Stefan Roese <sr@denx.de>  
Copyright (C) 2017 Socionext Inc. Author: Masahiro Yamada <yamada.masahiro@socionext.com>  
Copyright (C) 2017 Renesas Electronics Corporation

Copyright (C) 2017 Renesas Electronics Corp.  
Copyright (C) 2017 Priit Laes <plaes@plaes.org>  
Copyright (C) 2017 PHYTEC Messtechnik GmbH Author: Wadim Egorov <w.egorov@phytec.de>  
Copyright (C) 2017 National Instruments Corp Written by Michal Simek  
Copyright (C) 2017 NXP Semiconductors  
Copyright (C) 2017 NXP  
Copyright (C) 2017 Microchip Wenyong Yang <wenyong.yang@microchip.com>  
Copyright (C) 2017 Microchip Technology Inc. Wenyong Yang <wenyong.yang@microchip.com> Ludovic Desroches <ludovic.desroches@microchip.com>  
Copyright (C) 2017 Microchip Corporation Wenyong.Yang <wenyong.yang@microchip.com>  
Copyright (C) 2017 Microchip Corporation Wenyong Yang <wenyong.yang@microchip.com>  
Copyright (C) 2017 Masahiro Yamada <yamada.masahiro@socionext.com>  
Copyright (C) 2017 Marvell Gregory CLEMENT <gregory.clement@free-electrons.com>  
Copyright (C) 2017 Marek Vasut <marex@denx.de>  
Copyright (C) 2017 Marek Vasut <marek.vasut@gmail.com>  
Copyright (C) 2017 Marek Vasut  
Copyright (C) 2017 Marek Behun <marek.behun@nic.cz>  
Copyright (C) 2017 Lukasz Majewski, DENX Software Engineering, lukma@denx.de  
Copyright (C) 2017 Logic PD, Inc.  
Copyright (C) 2017 Linaro Bryan O'Donoghue <bryan.odonoghue@linaro.org>  
Copyright (C) 2017 John Crispin <john@phrozen.org>  
Copyright (C) 2017 Jerome Brunet <jbrunet@baylibre.com>  
Copyright (C) 2017 Jagan Teki <jagan@amarulasolutions.com>  
Copyright (C) 2017 Impinj, Inc.  
Copyright (C) 2017 Impinj  
Copyright (C) 2017 Hannes Schmelzer <oe5hpm@oevsv.at> B&R Industrial Automation GmbH - <http://www.br-automation.com>  
Copyright (C) 2017 Grinn - <http://grinn-global.com/>  
Copyright (C) 2017 Glider bvba  
Copyright (C) 2017 Engicam S.r.l.  
Copyright (C) 2017 Eddie Cai <eddie.cai.linux@gmail.com>  
Copyright (C) 2017 Cogent Embedded, Inc. <source@cogentembedded.com>  
Copyright (C) 2017 Cogent Embedded, Inc.  
Copyright (C) 2017 Chen-Yu Tsai <wens@csie.org>  
Copyright (C) 2017 Cadence Design Systems, Inc. All rights reserved worldwide.  
Copyright (C) 2017 Broadcom Florian Fainelli <f.fainelli@gmail.com>  
Copyright (C) 2017 Bin Meng <bmeng.cn@gmail.com>  
Copyright (C) 2017 Beckhoff Automation GmbH & Co. KG Patrick Bruenn <p.bruenn@beckhoff.com>  
Copyright (C) 2017 Armadeus Systems  
Copyright (C) 2017 Andes Technology Corporation Rick Chen, Andes Technology Corporation <rick@andestech.com>  
Copyright (C) 2017 Andes Technology Chih-Mao Chen <cmchen@andestech.com>  
Copyright (C) 2017 Amarula Solutions B.V. Author: Jagan Teki <jagan@amarulasolutions.com>  
Copyright (C) 2017 Amarula Solutions  
Copyright (C) 2017 Allied Telesis Labs  
Copyright (C) 2016-2019 Renesas Electronics Corp.  
Copyright (C) 2016-2019 Intel Corporation <www.intel.com>  
Copyright (C) 2016-2018 Intel Corporation. All rights reserved  
Copyright (C) 2016-2018 Intel Corporation <www.intel.com>  
Copyright (C) 2016-2017 Stefan Roese <sr@denx.de>  
Copyright (C) 2016-2017 Socionext Inc. Author: Masahiro Yamada <yamada.masahiro@socionext.com>  
Copyright (C) 2016-2017 Rockchip Electronic Co.,Ltd  
Copyright (C) 2016-2017 Renesas Electronics Corp.  
Copyright (C) 2016-2017 Lukasz Majewski, DENX Software Engineering, lukma@denx.de  
Copyright (C) 2016-2017 Cadence Design Systems, Inc. All rights reserved worldwide.  
Copyright (C) 2016, Yann Collet.  
Copyright (C) 2016, Texas Instruments, Incorporated  
Copyright (C) 2016, STMicroelectronics - All Rights Reserved Author(s): Vikas Manocha, <vikas.manocha@st.com>  
Copyright (C) 2016, STMicroelectronics - All Rights Reserved Author(s): Christophe Ricard <christophe-h.ricard@st.com>  
Copyright (C) 2016, Freescale Semiconductor  
Copyright (C) 2016 samtec automotive software & electronics gmbh  
Copyright (C) 2016 by NXP Semiconductors Inc.  
Copyright (C) 2016 Xilinx, Inc.  
Copyright (C) 2016 Toradex Author: Stefan Agner <stefan.agner@toradex.com>  
Copyright (C) 2016 Toradex AG Stefan Agner <stefan.agner@toradex.com>  
Copyright (C) 2016 Tomas Hlavacek <tomas.hlavacek@nic.cz>  
Copyright (C) 2016 Timesys Corporation  
Copyright (C) 2016 The Android Open Source Project  
Copyright (C) 2016 Texas Instruments Incorporated - <http://www.ti.com/>  
Copyright (C) 2016 Synopsys, Inc. All rights reserved.  
Copyright (C) 2016 Stefan Roese <sr@denx.de>  
Copyright (C) 2016 Socionext Inc. Author: Masahiro Yamada <yamada.masahiro@socionext.com>

Copyright (C) 2016 Sergey Kubushyn <ksi@koi8.net>  
Copyright (C) 2016 Samsung Electronics Thomas Abraham <thomas.ab@samsung.com>  
Copyright (C) 2016 Samsung Electronics Jaehoon Chung <jh80.chung@samsung.com>  
Copyright (C) 2016 STMicroelectronics Author: Gabriel Fernandez for STMicroelectronics.  
Copyright (C) 2016 Rockchip Electronic Co.,Ltd Written by Kever Yang <kever.yang@rock-chips.com>  
Copyright (C) 2016 Renesas Electronics Corporation  
Copyright (C) 2016 Renesas Electronics Corp.  
Copyright (C) 2016 Peng Fan <van.freenix@gmail.com>  
Copyright (C) 2016 Pavel Machek <pavel@denx.de>  
Copyright (C) 2016 Paul Kocialkowski <contact@paulk.fr>  
Copyright (C) 2016 PHYTEC Messtechnik GmbH Author: Christian Hemp <c.hemp@phytec.de>  
Copyright (C) 2016 PHYTEC Messtechnik Author: Christian Hemp <c.hemp@phytec.de>  
Copyright (C) 2016 NXP Semiconductors Author: Fabio Estevam <fabio.estevam@nxp.com>  
Copyright (C) 2016 NXP Semiconductors  
Copyright (C) 2016 Microchip Wenyu.Yang <wenyu.yang@microchip.com>  
Copyright (C) 2016 Michal Simek <michals@xilinx.com>  
Copyright (C) 2016 Maxime Ripard <maxime.ripard@free-electrons.com>  
Copyright (C) 2016 Masahiro Yamada <yamada.masahiro@socionext.com>  
Copyright (C) 2016 Marvell, All Rights Reserved.  
Copyright (C) 2016 Marvell International Ltd.  
Copyright (C) 2016 Lukasz Majewski <l.majewski@majess.pl>  
Copyright (C) 2016 Ladislav Michl <ladis@linux-mips.org>  
Copyright (C) 2016 Jagan Teki <jteki@openedev.com> Christophe Ricard <christophe.ricard@gmail.com>  
Copyright (C) 2016 Jagan Teki <jagan@openedev.com>  
Copyright (C) 2016 Imagination Technologies  
Copyright (C) 2016 Hannes Schmelzer <oe5hpm@oevsv.at> - Bernecker & Rainer Industrieelektronik GmbH -  
<http://www.br-automation.com>  
Copyright (C) 2016 Grinn  
Copyright (C) 2016 Google, Inc Written by Amar <amarendra.xt@samsung.com>  
Copyright (C) 2016 Glider bvba  
Copyright (C) 2016 Freescale Semiconductor, Inc. All Rights Reserved.  
Copyright (C) 2016 Free Electrons  
Copyright (C) 2016 Engicam S.r.l.  
Copyright (C) 2016 Endless Mobile, Inc. Author: Carlo Caione <carlo@endlessm.com>  
Copyright (C) 2016 Endless Mobile, Inc.  
Copyright (C) 2016 David Lechner <david@lechnology.com>  
Copyright (C) 2016 Cogent Embedded, Inc., <source@cogentembedded.com>  
Copyright (C) 2016 Cogent Embedded, Inc.  
Copyright (C) 2016 Christoph Fritz <chf.fritz@googlemail.com>  
Copyright (C) 2016 Chen-Yu Tsai Author: Chen-Yu Tsai <wens@csie.org>  
Copyright (C) 2016 Chen-Yu Tsai <wens@csie.org>  
Copyright (C) 2016 Cadence Design Systems Inc.  
Copyright (C) 2016 Cadence Design Systems - <https://www.cadence.com/>  
Copyright (C) 2016 Bin Meng <bmeng.cn@gmail.com>  
Copyright (C) 2016 BayLibre, SAS. All rights reserved. Author: Neil Armstrong <narmstrong@baylibre.com>  
Copyright (C) 2016 Author: Chen-Yu Tsai <wens@csie.org>  
Copyright (C) 2016 Atmel Corporation Wenyu.Yang <wenyu.yang@atmel.com>  
Copyright (C) 2016 Amarula Solutions B.V.  
Copyright (C) 2016 Amarula Solutions  
Copyright (C) 2016 Altera Corporation. All rights reserved derived from Steffen Trumtrar's "altr,rst-mgr-a10.h"  
Copyright (C) 2016 Advantech Corporation  
Copyright (C) 2016 - 2020 TQ-Systems Author: Markus Niebel <markus.niebel@tq-group.com>  
Copyright (C) 2016 - 2018 Xilinx, Inc.  
Copyright (C) 2015-2019 Renesas Electronics Corporation  
Copyright (C) 2015-2019 Marek Vasut <marex@denx.de>  
Copyright (C) 2015-2019 DH electronics GmbH  
Copyright (C) 2015-2019 Altera Corporation <www.altera.com>  
Copyright (C) 2015-2017 Renesas Electronics Corporation  
Copyright (C) 2015-2017 Glider bvba  
Copyright (C) 2015-2017 Cogent Embedded, Inc. <source@cogentembedded.com>  
Copyright (C) 2015-2017 Cadence Design Systems, Inc. All rights reserved worldwide.  
Copyright (C) 2015-2016 Wills Wang <wills.wang@live.com>  
Copyright (C) 2015-2016 Texas Instruments Incorporated - <http://www.ti.com/>  
Copyright (C) 2015-2016 Stefan Roese <sr@denx.de>  
Copyright (C) 2015-2016 Socionext Inc. Author: Masahiro Yamada <yamada.masahiro@socionext.com>  
Copyright (C) 2015-2016 Raspberry Pi (Trading) Ltd. which is based on mmc-bcm2835.c by Gellert Weisz which is, in turn,  
based on sdhci-bcm2708.c by Broadcom sdhci-bcm2835.c by Stephen Warren and Oleksandr Tymoshenko sdhci.c and  
sdhci-pci.c by Pierre Ossman  
Copyright (C) 2015-2016 Marvell International Ltd.  
Copyright (C) 2015-2016 Marcel Ziswiler <marcel@ziswiler.com>  
Copyright (C) 2015-2016 Glider bvba



Copyright (C) 2015-2016 Cadence Design Systems, Inc. All rights reserved worldwide.  
Copyright (C) 2015, Texas Instruments, Incorporated  
Copyright (C) 2015, Savoir-faire Linux Inc.  
Copyright (C) 2015, Microchip Technology Inc. Cristian Birsan <cristian.birsan@microchip.com> Purna Chandra Mandal <purna.mandal@microchip.com>  
Copyright (C) 2015, Inverse Path Andrej Rosano <andrej@inversepath.com>  
Copyright (C) 2015, 2019 Stefan Roese <sr@denx.de>  
Copyright (C) 2015 Toradex AG  
Copyright (C) 2015 Toby Churchill Ltd - <http://www.toby-churchill.com/>  
Copyright (C) 2015 Timesys Corporation  
Copyright (C) 2015 Thomas Chou <thomas@wytron.com.tw>  
Copyright (C) 2015 Texas Instruments Incorporated - <http://www.ti.com/>  
Copyright (C) 2015 Technexion Ltd.  
Copyright (C) 2015 Stefan Wahren <stefan.wahren@i2se.com>  
Copyright (C) 2015 Stefan Roese <sr@denx.de>  
Copyright (C) 2015 Simon Arlott <simon@fire.lp0.eu>  
Copyright (C) 2015 Sakari Ailus  
Copyright (C) 2015 Roy Spliet <r.spliet@ultimaker.com>  
Copyright (C) 2015 Renesas Solutions Corp.  
Copyright (C) 2015 Renesas Electronics Europe GmbH  
Copyright (C) 2015 Renesas Electronics Corporation  
Copyright (C) 2015 Renesas Electronics Corp.  
Copyright (C) 2015 Rabeeh Khoury <rabeeh@solid-run.com> Based on work by Russell King  
Copyright (C) 2015 Rabeeh Khoury <rabeeh@solid-run.com>  
Copyright (C) 2015 Purna Chandra Mandal <purna.mandal@microchip.com>  
Copyright (C) 2015 Paul Kocalkowski <contact@paulk.fr>  
Copyright (C) 2015 Nathan Rossi <nathan@nathanrossi.com>  
Copyright (C) 2015 Moritz Fischer <moritz.fischer@ettus.com>  
Copyright (C) 2015 Microchip Technology Inc. Andrei Pistirica <andrei.pistirica@microchip.com>  
Copyright (C) 2015 Microchip Technology Inc.  
Copyright (C) 2015 Masahiro Yamada <yamada.masahiro@socionext.com>  
Copyright (C) 2015 Marvell International Ltd.  
Copyright (C) 2015 Marek Vasut <marex@denx.de>  
Copyright (C) 2015 Lukasz Majewski <l.majewski@majess.pl>  
Copyright (C) 2015 Linaro Peter Griffin <peter.griffin@linaro.org>  
Copyright (C) 2015 Hisilicon Ltd.  
Copyright (C) 2015 Heiko Schocher <hs@denx.de>  
Copyright (C) 2015 Glider bvba  
Copyright (C) 2015 Gerald Kerma <dreagle@doukki.net> Tony Dinh <mibodhi@gmail.com> Luka Perkov <luka.perkov@sartura.hr>  
Copyright (C) 2015 General Electric Company  
Copyright (C) 2015 Freescale Semiconductor, Inc. Peng Fan <Peng.Fan@freescale.com>  
Copyright (C) 2015 Freescale Semiconductor, Inc. Fabio Estevam <fabio.estevam@freescale.com>  
Copyright (C) 2015 Freescale Semiconductor, Inc.  
Copyright (C) 2015 Freescale Semiconductor  
Copyright (C) 2015 Free Electrons Gregory CLEMENT <gregory.clement@free-electrons.com>  
Copyright (C) 2015 Engicam S.r.l.  
Copyright (C) 2015 DAVE Embedded Systems <devel@dave.eu>  
Copyright (C) 2015 Cristian Birsan <cristian.birsan@microchip.com> Purna Chandra Mandal <purna.mandal@microchip.com>  
Copyright (C) 2015 Compulab, Ltd.  
Copyright (C) 2015 CompuLab, Ltd.  
Copyright (C) 2015 Cogent Embedded, Inc.  
Copyright (C) 2015 Broadcom Corporation  
Copyright (C) 2015 Boris Barbulovski <bbarbulovski@gmail.com>  
Copyright (C) 2015 Bin Meng <bmeng.cn@gmail.com>  
Copyright (C) 2015 Bhuvanchandra DV, Toradex, Inc.  
Copyright (C) 2015 Beckhoff Automation GmbH & Co. KG Patrick Bruenn <p.bruenn@beckhoff.com>  
Copyright (C) 2015 Atmel Corporation Josh Wu <josh.wu@atmel.com>  
Copyright (C) 2015 Atmel Corporation  
Copyright (C) 2015 Amlogic, Inc. All rights reserved.  
Copyright (C) 2015 Amarula Solutions B.V.  
Copyright (C) 2015 Alexey Brodtkin <abrodtkin@synopsys.com>  
Copyright (C) 2015 Actions Semi Co., Ltd.  
Copyright (C) 2015 ARM Limited  
Copyright (C) 2015 - 2018 Texas Instruments Incorporated <www.ti.com> Written by Mugunthan V N <mugunthanvnm@ti.com>  
Copyright (C) 2015 - 2016 Xilinx, Inc.  
Copyright (C) 2015 - 2016 Xilinx, Inc, Michal Simek  
Copyright (C) 2014-2018 Xilinx, Inc.  
Copyright (C) 2014-2017 Olaf Mandel <o.mandel@menlosystems.com>

Copyright (C) 2014-2017 Cogent Embedded, Inc.  
Copyright (C) 2014-2016 Freescale Semiconductor, Inc. All Rights Reserved.  
Copyright (C) 2014-2016 Freescale Semiconductor, Inc.  
Copyright (C) 2014-2015, Bin Meng <bmeng.cn@gmail.com>  
Copyright (C) 2014-2015 Stefan Roese <sr@denx.de>  
Copyright (C) 2014-2015 Samsung Electronics Przemyslaw Marczak <p.marczak@samsung.com>  
Copyright (C) 2014-2015 Renesas Electronics Corporation  
Copyright (C) 2014-2015 Masahiro Yamada <yamada.masahiro@socionext.com>  
Copyright (C) 2014-2015 Freescale Semiconductor, Inc.  
Copyright (C) 2014-2015 Freescale Semiconductor  
Copyright (C) 2014-2015 Felix Fietkau <nbd@nbd.name>  
Copyright (C) 2014-15 Wolfram Sang <wsa@sang-engineering.com>  
Copyright (C) 2014,2016 david\_yang <david\_yang@accton.com>  
Copyright (C) 2014, STMicroelectronics - All Rights Reserved Author(s): Vikas Manocha, <vikas.manocha@st.com> for STMicroelectronics.  
Copyright (C) 2014, Masahiro Yamada <yamada.m@jp.panasonic.com>  
Copyright (C) 2014, Markus Niebel <Markus.Niebel@tq-group.com>  
Copyright (C) 2014, Bin Meng <bmeng.cn@gmail.com>  
Copyright (C) 2014, Barco (www.barco.com)  
Copyright (C) 2014 Wolfram Sang, Sang Engineering <wsa@sang-engineering.com>  
Copyright (C) 2014 Texas Instruments Incorporated - <http://www.ti.com/>  
Copyright (C) 2014 Steffen Trumtrar <s.trumtrar@pengutronix.de>  
Copyright (C) 2014 Stefan Roese <sr@denx.de>  
Copyright (C) 2014 Srideep <srideep\_devireddy@dell.com>  
Copyright (C) 2014 Soeren Moch <smoch@web.de>  
Copyright (C) 2014 Samsung Electronics Sanghee Kim <sh0130.kim@samsung.com> Piotr Wilczek <p.wilczek@samsung.com> Przemyslaw Marczak <p.marczak@samsung.com>  
Copyright (C) 2014 Samsung Electronics Przemyslaw Marczak <p.marczak@samsung.com>  
Copyright (C) 2014 Samsung Electronics  
Copyright (C) 2014 STMicroelectronics Author: Gabriel Fernandez <gabriel.fernandez@st.com>  
Copyright (C) 2014 STMicroelectronics All Rights Reserved  
Copyright (C) 2014 Russell King  
Copyright (C) 2014 Roman Byshko <rbyshko@gmail.com>  
Copyright (C) 2014 Revolution Robotics, Inc.  
Copyright (C) 2014 Renesas Solutions Corp.  
Copyright (C) 2014 Renesas Electronics Corporation  
Copyright (C) 2014 Rabeeh Khoury (rabeeh@solid-run.com) Based on dt work by Russell King  
Copyright (C) 2014 Panasonic Corporation  
Copyright (C) 2014 O.S. Systems Software LTDA.  
Copyright (C) 2014 Nobuhiro Iwamatsu <nobuhiro.iwamatsu.yj@renesas.com>  
Copyright (C) 2014 NVIDIA Corporation  
Copyright (C) 2014 Maxime Ripard Maxime Ripard <maxime.ripard@free-electrons.com>  
Copyright (C) 2014 Marvell  
Copyright (C) 2014 Marek Vasut <marex@denx.de>  
Copyright (C) 2014 Linaro Ltd. Author: Anup Patel <anup.patel@linaro.org>  
Copyright (C) 2014 Linaro Ltd. <ard.biesheuvel@linaro.org>  
Copyright (C) 2014 Linaro Ltd.  
Copyright (C) 2014 Kynetics LLC.  
Copyright (C) 2014 Josh Datko, Cryptotronix, jbd@cryptotronix.com 2016 Tomas Hlavacek, CZ.NIC, tmshlvck@gmail.com  
2017 Marek Behun, CZ.NIC, marek.behun@nic.cz  
Copyright (C) 2014 Gateworks Corporation Tim Harvey <tharvey@gateworks.com>  
Copyright (C) 2014 Gateworks Corporation Author: Tim Harvey <tharvey@gateworks.com>  
Copyright (C) 2014 Gateworks Corporation  
Copyright (C) 2014 Freescale Semiconductor, Inc. All Rights Reserved.  
Copyright (C) 2014 Freescale Semiconductor, Inc.  
Copyright (C) 2014 Freescale Semiconductor  
Copyright (C) 2014 Free Electrons  
Copyright (C) 2014 Felix Fietkau <nbd@nbd.name>  
Copyright (C) 2014 Evgeni Dobrev <evgeni@studio-punkt.com>  
Copyright (C) 2014 Eukréa Electromatique  
Copyright (C) 2014 David Gibson <david@gibson.dropbear.id.au>  
Copyright (C) 2014 Compulab Ltd - <http://compulab.co.il/>  
Copyright (C) 2014 Charles Manning <cdhmanning@gmail.com>  
Copyright (C) 2014 Beniamino Galvani <b.galvani@gmail.com>  
Copyright (C) 2014 Bachmann electronic GmbH  
Copyright (C) 2014 Atmel Corporation Bo Shen <voice.shen@atmel.com>  
Copyright (C) 2014 Atmel Bo Shen <voice.shen@atmel.com>  
Copyright (C) 2014 Altera Corporation <www.altera.com>  
Copyright (C) 2014 Advantech  
Copyright (C) 2014 ARM Ltd.  
Copyright (C) 2014 - STMicroelectronics Inc. Author: Lee Jones <lee.jones@linaro.org>

Copyright (C) 2014 - 2022 TQ-Systems GmbH Markus Niebel <Markus.Niebel@tq-group.com>  
Copyright (C) 2014 - 2016 Cadence Design Systems Inc.  
Copyright (C) 2014 - 2015 Xilinx, Inc.  
Copyright (C) 2014 - 2015 Markus Niebel <Markus.Niebel@tq-group.com>  
Copyright (C) 2013-2018 Hannes Schmelzer <oe5hpm@oevsv.at> B&R Industrial Automation GmbH - <http://www.br-automation.com>  
Copyright (C) 2013-2016, Yann Collet.  
Copyright (C) 2013-2016 Synopsys, Inc. All rights reserved.  
Copyright (C) 2013-2015, Yann Collet.  
Copyright (C) 2013-2015 Freescale Semiconductor, Inc. Author: German Rivera <German.Rivera@freescale.com>  
Copyright (C) 2013-2014 Renesas Electronics Corporation  
Copyright (C) 2013-2014 Markus Niebel <Markus.Niebel@tq-group.com>  
Copyright (C) 2013-2014 Altera Corporation <[www.altera.com](http://www.altera.com)>  
Copyright (C) 2013,2014 Russell King  
Copyright (C) 2013,2014 - ARM Ltd Author: Marc Zyngier <marc.zyngier@arm.com>  
Copyright (C) 2013, Texas Instruments, Incorporated  
Copyright (C) 2013, Masahiro Yamada <yamada.m@jp.panasonic.com>  
Copyright (C) 2013, Boundary Devices <info@boundarydevices.com>  
Copyright (C) 2013, Applied Micro Circuits Corporation Author: Feng Kan <fkan@apm.com>  
Copyright (C) 2013, Adeneo Embedded <[www.adeneo-embedded.com](http://www.adeneo-embedded.com)> Leo Sartre, <lsartre@adeneo-embedded.com>  
Copyright (C) 2013, Adeneo Embedded <[www.adeneo-embedded.com](http://www.adeneo-embedded.com)> Antoine Tenart, <atenart@adeneo-embedded.com>  
Copyright (C) 2013, 2014, 2017 Markus Niebel <Markus.Niebel@tq-group.com>  
Copyright (C) 2013, 2014, 2016 - 2022 TQ-Systems Author: Markus Niebel <markus.niebel@tq-group.com>  
Copyright (C) 2013, 2014 TQ-Systems Author: Markus Niebel <markus.niebel@tq-group.com>  
Copyright (C) 2013, 2014 TQ-Systems (ported SabreSD to TQMa6x) Author: Markus Niebel <markus.niebel@tq-group.com>  
Copyright (C) 2013 Xilinx, Inc. All rights reserved.  
Copyright (C) 2013 Texas Instruments, Inc.  
Copyright (C) 2013 Texas Instruments Incorporated - <http://www.ti.com/> Author: Rajendra Nayak <rnayak@ti.com>  
Copyright (C) 2013 Texas Instruments Incorporated - <http://www.ti.com/>  
Copyright (C) 2013 Texas Instruments Eduardo Valentin <eduardo.valentin@ti.com>  
Copyright (C) 2013 Synopsys, Inc. ([www.synopsys.com](http://www.synopsys.com))  
Copyright (C) 2013 Suriyan Ramasami <suriyan.r@gmail.com>  
Copyright (C) 2013 Stefan Roese <sr@denx.de>  
Copyright (C) 2013 Soren Brinkmann <soren.brinkmann@xilinx.com>  
Copyright (C) 2013 Sergey Lapin <slapin@ossfans.org>  
Copyright (C) 2013 Sergey Kostanabev <sergey.kostanbaev@at> fairwaves.ru  
Copyright (C) 2013 Seco S.r.l  
Copyright (C) 2013 Samsung Electronics Sanghee Kim <sh0130.kim@samsung.com> Piotr Wilczek <p.wilczek@samsung.com>  
Copyright (C) 2013 Samsung Electronics Piotr Wilczek <p.wilczek@samsung.com>  
Copyright (C) 2013 Samsung Electronics Lukasz Majewski <l.majewski@samsung.com>  
Copyright (C) 2013 Samsung Electronics Hyungwon Hwang <human.hwang@samsung.com>  
Copyright (C) 2013 Samsung Electronics Co.Ltd Authors: Vivek Gautam <gautam.vivek@samsung.com> Vikas Sajjan <vikas.sajjan@samsung.com>  
Copyright (C) 2013 Samsung Electronics  
Copyright (C) 2013 Renesas Electronics Corporation  
Copyright (C) 2013 Qiang Yu <yuq825@gmail.com>  
Copyright (C) 2013 Otavio Salvador <otavio@ossystems.com.br> on behalf of O.S. Systems Software LTDA.  
Copyright (C) 2013 Nobuhiro Iwamatsu <nobuhiro.iwamatsu.yj@renesas.com>  
Copyright (C) 2013 Miles Tseng <miles\_tseng@accton.com>  
Copyright (C) 2013 Marek Vasut <marex@denx.de>  
Copyright (C) 2013 Magnus Damm  
Copyright (C) 2013 Lukasz Majewski <l.majewski@samsung.com> All rights reserved.  
Copyright (C) 2013 Ludovic Desroches <ludovic.desroches@atmel.com>  
Copyright (C) 2013 Lothar Waßmann <LW@KARO-electronics.de>  
Copyright (C) 2013 Lothar Felten <lothar.felten@gmail.com>  
Copyright (C) 2013 Lemonage Software GmbH Author Lars Poeschel <poeschel@lemonage.de>  
Copyright (C) 2013 Lars Poeschel, Lemonage Software GmbH  
Copyright (C) 2013 Jussi Kivilinna <jussi.kivilinna@iki.fi>  
Copyright (C) 2013 John Crispin <blogic@openwrt.org>  
Copyright (C) 2013 Jean-Christophe PLAGNIOL-VILLARD <plagnioj@jcrosoft.com>  
Copyright (C) 2013 Jagannadha Sutradharudu Teki, Xilinx Inc.  
Copyright (C) 2013 Ideas On Board SPRL  
Copyright (C) 2013 ISEE 2007 SL - <http://www.isee.biz/>  
Copyright (C) 2013 ISEE 2007 SL - Enric Balletbo i Serra <eballetbo@iseebcn.com>  
Copyright (C) 2013 Henrik Nordström <Henrik Nordström>  
Copyright (C) 2013 Henrik Nordstrom <henrik@henriknordstrom.net>  
Copyright (C) 2013 Hannes Schmelzer <oe5hpm@oevsv.at> Bernecker & Rainer Industrieelektronik GmbH - <http://www.br-automation.com>  
Copyright (C) 2013 Guntermann & Drunck, GmbH

Copyright (C) 2013 Gumstix, Inc. - <http://www.gumstix.com/>  
Copyright (C) 2013 Gateworks Corporation  
Copyright (C) 2013 Gabor Juhos <juhosg@openwrt.org>  
Copyright (C) 2013 Freescale Semiconductor, Inc.  
Copyright (C) 2013 Dmitry B. <rz333@gmail.com>  
Copyright (C) 2013 Curt Brune <curt@cumulusnetworks.com>  
Copyright (C) 2013 Compulab Ltd - <http://compulab.co.il/>  
Copyright (C) 2013 Boundary Devices  
Copyright (C) 2013 Boris BREZILLON <b.brezillon.dev@gmail.com>  
Copyright (C) 2013 Bo Shen <voice.shen@atmel.com>  
Copyright (C) 2013 Altera Corporation <[www.altera.com](http://www.altera.com)>  
Copyright (C) 2013 ARM Ltd Author: Marc Zyngier <marc.zyngier@arm.com>  
Copyright (C) 2013 - 2017 Markus Niebel <Markus.Niebel@tq-group.com>  
Copyright (C) 2012-2020 ASPEED Technology Inc. Ryan Chen <ryan\_chen@aspeedtech.com>  
Copyright (C) 2012-2020 ASPEED Technology Inc.  
Copyright (C) 2012-2019 Cadence Design Systems, Inc.  
Copyright (C) 2012-2018 Cadence Design Systems, Inc.  
Copyright (C) 2012-2017 Texas Instruments Incorporated, <[www.ti.com](http://www.ti.com)>  
Copyright (C) 2012-2017 Marek Vasut <marex@denx.de>  
Copyright (C) 2012-2016, Yann Collet.  
Copyright (C) 2012-2016 Freescale Semiconductor, Inc.  
Copyright (C) 2012-2015 Samsung Electronics  
Copyright (C) 2012-2015 Panasonic Corporation  
Copyright (C) 2012-2015 Freescale Semiconductor, Inc. All Rights Reserved.  
Copyright (C) 2012-2014 Daniel Schwierzeck, daniel.schwierzeck@gmail.com  
Copyright (C) 2012-2013 Texas Instruments, Inc.  
Copyright (C) 2012-2013 Samsung Electronics, Co., Ltd.  
Copyright (C) 2012-2013 Marek Vasut <marex@denx.de>  
Copyright (C) 2012-2013 Jonas Gorski <jogo@openwrt.org>  
Copyright (C) 2012-14 Renesas Solutions Corp. Kuninori Morimoto <kuninori.morimoto.gx@renesas.com>  
Copyright (C) 2012, by Texas Instruments  
Copyright (C) 2012, Stefano Babic <sbabic@denx.de>  
Copyright (C) 2012, 2015 Stefan Roese <sr@denx.de>  
Copyright (C) 2012 rockchips zyw <zyw@rock-chips.com>  
Copyright (C) 2012 Vikram Narayanan vikram186@gmail.com>  
Copyright (C) 2012 Sughosh Ganu <urwithsughosh@gmail.com>  
Copyright (C) 2012 Stefan Roese <sr@denx.de>  
Copyright (C) 2012 Samsung Electronics authors: Andrzej Pietrasiewicz <andrzej.p@samsung.com> Lukasz Majewski <l.majewski@samsung.com>  
Copyright (C) 2012 Samsung Electronics author: Lukasz Majewski <l.majewski@samsung.com> author: Piotr Wilczek <p.wilczek@samsung.com>  
Copyright (C) 2012 Samsung Electronics author: Lukasz Majewski <l.majewski@samsung.com>  
Copyright (C) 2012 Samsung Electronics Rajeshwari Shinde <rajeshwari.s@samsung.com>  
Copyright (C) 2012 Samsung Electronics R. Chandrasekar <rcsekar@samsung.com>  
Copyright (C) 2012 Samsung Electronics Minkyu Kang <mk7.kang@samsung.com>  
Copyright (C) 2012 Samsung Electronics Lukasz Majewski <l.majewski@samsung.com>  
Copyright (C) 2012 Samsung Electronics Donghwa Lee <dh09.lee@samsung.com>  
Copyright (C) 2012 Samsung Electronics Co.Ltd Vivek Gautam <gautam.vivek@samsung.com> Vikas Sajjan <vikas.sajjan@samsung.com>  
Copyright (C) 2012 Samsung Electronics Co.Ltd Vivek Gautam <gautam.vivek@samsung.com>  
Copyright (C) 2012 Samsung Electronics  
Copyright (C) 2012 Renesas Solutions Corp.  
Copyright (C) 2012 Red Hat, Inc. All Rights Reserved. Written by David Howells (dhowells@redhat.com)  
Copyright (C) 2012 Philippe Reynes <tremyfr@yahoo.fr>  
Copyright (C) 2012 Oleksandr Tymoshenko <gonzo@freebsd.org>  
Copyright (C) 2012 Nobuhiro Iwamatsu <nobuhiro.iwamatsu.yj@renesas.com>  
Copyright (C) 2012 Michal Simek <monstr@monstr.eu>  
Copyright (C) 2012 Marvell  
Copyright (C) 2012 Marek Vasut <marex@denx.de> on behalf of DENX Software Engineering GmbH  
Copyright (C) 2012 Marek Vasut <marex@denx.de>  
Copyright (C) 2012 Marek Vasut <marek.vasut@gmail.com>  
Copyright (C) 2012 Lukasz Dalek <luk0104@gmail.com>  
Copyright (C) 2012 Lucas Stach  
Copyright (C) 2012 Linaro Limited  
Copyright (C) 2012 Kuninori Morimoto <kuninori.morimoto.gx@renesas.com>  
Copyright (C) 2012 Jonas Gorski <jonas.gorski@gmail.com>  
Copyright (C) 2012 Ilya Yanok <ilya.yanok@gmail.com>  
Copyright (C) 2012 Freescale Semiconductor, Inc. Author: Fabio Estevam <fabio.estevam@freescale.com>  
Copyright (C) 2012 Freescale Semiconductor, Inc.  
Copyright (C) 2012 David Purdy <david.c.purdy@gmail.com>  
Copyright (C) 2012 David Gibson, IBM Corporation.

Copyright (C) 2012 Dan Luedtke  
Copyright (C) 2012 Boundary Devices Inc.  
Copyright (C) 2012 Bluegiga Technologies Oy  
Copyright (C) 2012 Atmel Corporation  
Copyright (C) 2012 Anatolij Gustschin, DENX Software Engineering, <agust@denx.de>  
Copyright (C) 2012 Altera Corporation <www.altera.com> All rights reserved.  
Copyright (C) 2012 Altera Corporation <www.altera.com>  
Copyright (C) 2012 ARM Ltd.  
Copyright (C) 2012 ARM Limited  
Copyright (C) 2012 - 2014 Allwinner Tech Pan Nan <pannan@allwinnertech.com>  
Copyright (C) 2012 - 2013 Atmel  
Copyright (C) 2011-2015, Yann Collet.  
Copyright (C) 2011-2015 by Vladimir Zapolskiy <vz@mleia.com>  
Copyright (C) 2011-2015 Vladimir Zapolskiy <vz@mleia.com>  
Copyright (C) 2011-2015 Renesas Electronics Corporation  
Copyright (C) 2011-2014 Pierrick Hascoet, Abilis Systems  
Copyright (C) 2011-2013 Marek Vasut <marex@denx.de>  
Copyright (C) 2011-2013 Gabor Juhos <juhosg@openwrt.org>  
Copyright (C) 2011-2012 Xilinx, Inc. All rights reserved.  
Copyright (C) 2011-2012 Samsung Electronics author: Andrzej Pietrasiewicz <andrzej.p@samsung.com>  
Copyright (C) 2011-2012 Samsung Electronics Lukasz Majewski <l.majewski@samsung.com>  
Copyright (C) 2011-2012 Renesas Solutions Corp.  
Copyright (C) 2011-2012 Mike Turquette, Linaro Ltd <mturquette@linaro.org>  
Copyright (C) 2011-2012 Linaro Ltd <mturquette@linaro.org>  
Copyright (C) 2011-2012 Gerald Kerma <dreagle@doukki.net> Luka Perkov <luka@openwrt.org>  
Copyright (C) 2011-2012 Freescale Semiconductor, Inc.  
Copyright (C) 2011,2013-2017 Renesas Electronics Corporation  
Copyright (C) 2011, 2013 Renesas Solutions Corp.  
Copyright (C) 2011, 2013 Nobuhiro Iwamatsu <nobuhiro.iwamatsu.yj@renesas.com>  
Copyright (C) 2011 by Vladimir Zapolskiy <vz@mleia.com>  
Copyright (C) 2011 Vladimir Zapolskiy <vz@mleia.com>  
Copyright (C) 2011 Texas Instruments Incorporated - <http://www.ti.com/>  
Copyright (C) 2011 Texas Instruments Incorporated - <http://www.ti.com> Author: Govindraj R <govindraj.raja@ti.com>  
Copyright (C) 2011 Texas Instruments Inc.  
Copyright (C) 2011 Stefano Babic, DENX Software Engineering, <sbabic@denx.de>  
Copyright (C) 2011 Stefan Herbrechtsmeier <stefan@herbrechtsmeier.net>  
Copyright (C) 2011 Simon Guinot <sguinot@lacie.com>  
Copyright (C) 2011 Sergiy <piratfm@gmail.com>  
Copyright (C) 2011 Sascha Hauer, Pengutronix <s.hauer@pengutronix.de>  
Copyright (C) 2011 Samsung Electronics Lukasz Majewski <l.majewski@samsung.com>  
Copyright (C) 2011 Samsung Electronics Heungjun Kim <riverful.kim@samsung.com>  
Copyright (C) 2011 Samsung Electronics  
Copyright (C) 2011 Samsung Electronics Lukasz Majewski <l.majewski@samsung.com>  
Copyright (C) 2011 Richard Zhao, Linaro <richard.zhao@linaro.org>  
Copyright (C) 2011 Renesas Solutions Corp.  
Copyright (C) 2011 PetaLogix  
Copyright (C) 2011 OMICRON electronics GmbH  
Copyright (C) 2011 Mistral Solutions pvt Ltd  
Copyright (C) 2011 Missing Link Electronics Joachim Foerster <jochim@missinglinkelectronics.com>  
Copyright (C) 2011 Michal Simek <monstr@monstr.eu>  
Copyright (C) 2011 Marek Vasut <marek.vasut@gmail.com> on behalf of DENX Software Engineering GmbH  
Copyright (C) 2011 Marek Vasut <marek.vasut@gmail.com>  
Copyright (C) 2011 Jason Cooper <u-boot@lakedaemon.net>  
Copyright (C) 2011 Jana Rapava <fermata7@gmail.com>  
Copyright (C) 2011 Infineon Technologies  
Copyright (C) 2011 Ilya Yanok, Emcraft Systems  
Copyright (C) 2011 Heiko Schocher, DENX Software Engineering, hs@denx.de.  
Copyright (C) 2011 HALE electronic GmbH, <helmut.raiger@hale.at>  
Copyright (C) 2011 Google Inc.  
Copyright (C) 2011 Gabor Juhos <juhosg@openwrt.org>  
Copyright (C) 2011 Freescale Semiconductor, Inc. Jason Liu <r64343@freescale.com>  
Copyright (C) 2011 Freescale Semiconductor, Inc. All Rights Reserved.  
Copyright (C) 2011 Freescale Semiconductor, Inc.  
Copyright (C) 2011 Corscience GmbH & Co. KG - Simon Schwarz <schwarz@corscience.de>  
Copyright (C) 2011 CompuLab, Ltd. <www.complab.co.il>  
Copyright (C) 2011 Andes Technology Corporation Shawn Lin, Andes Technology Corporation <nobuhiro@andestech.com> Macpaul Lin, Andes Technology Corporation <macpaul@andestech.com>  
Copyright (C) 2011 Andes Technology Corporation Shawn Lin, Andes Technology Corporation <nobuhiro@andestech.com>  
Copyright (C) 2011 Andes Technology Corporation Macpaul Lin, Andes Technology Corporation <macpaul@andestech.com>

Copyright (C) 2010-2018 Texas Instruments Incorporated - <http://www.ti.com/>  
Copyright (C) 2010-2018 Freescale Semiconductor, Inc.  
Copyright (C) 2010-2017 CS Systemes d'Information Christophe Leroy <christophe.leroy@c-s.fr>  
Copyright (C) 2010-2016 Freescale Semiconductor, Inc. All Rights Reserved.  
Copyright (C) 2010-2016 Freescale Semiconductor, Inc.  
Copyright (C) 2010-2015 Freescale Semiconductor, Inc.  
Copyright (C) 2010-2014 Freescale Semiconductor, Inc.  
Copyright (C) 2010-2013 Wolfgang Denk <wd@denx.de>  
Copyright (C) 2010-2013 Freescale Semiconductor, Inc.  
Copyright (C) 2010-2011 Freescale Semiconductor.  
Copyright (C) 2010-2011 Freescale Semiconductor, Inc. Terry Lv <r65388@freescale.com>  
Copyright (C) 2010-2011 Freescale Semiconductor, Inc.  
Copyright (C) 2010-2011 Canonical Ltd <jeremy.kerr@canonical.com>  
Copyright (C) 2010, 2009 Matthias Kaehlcke <matthias@kaehlcke.net>  
Copyright (C) 2010 by Joe Hershberger  
Copyright (C) 2010 Xilinx, Inc. All rights reserved.  
Copyright (C) 2010 Thomas Chou <thomas@wytron.com.tw>  
Copyright (C) 2010 The Android Open Source Project  
Copyright (C) 2010 Texas Instruments Incorporated - <http://www.ti.com/>  
Copyright (C) 2010 Texas Instruments Incorporated  
Copyright (C) 2010 Tanguy Bouzeloc <tanguy.bouzeloc@efixo.com>  
Copyright (C) 2010 Samsung Electronics Naveen Krishna Ch <ch.naveen@samsung.com>  
Copyright (C) 2010 Samsung Electronics Minkyu Kang <mk7.kang@samsung.com>  
Copyright (C) 2010 ST-Ericsson  
Copyright (C) 2010 Rob Emanuele <rob@emanuele.us> Reinhard Meyer, EMK Elektronik <reinhard.meyer@emk-elektronik.de>  
Copyright (C) 2010 Reinhard Meyer, EMK Elektronik  
Copyright (C) 2010 Nokia Corporation  
Copyright (C) 2010 Marek Vasut <marek.vasut@gmail.com>  
Copyright (C) 2010 Linus Walleij for ST-Ericsson  
Copyright (C) 2010 Linaro Limited John Rigby <john.rigby@linaro.org>  
Copyright (C) 2010 Joakim Axelsson <joakim.axelsson AT stericsson.com>  
Copyright (C) 2010 Ilya Yanok, Emcraft Systems, yanok@emcraft.com  
Copyright (C) 2010 Heiko Schocher <hs@denx.de>  
Copyright (C) 2010 Guennadi Liakhovetski <g.liakhovetski@gmx.de>  
Copyright (C) 2010 Freescale Semiconductor, Inc. Terry Lv <r65388@freescale.com>  
Copyright (C) 2010 Freescale Semiconductor, Inc.  
Copyright (C) 2010 Eric C. Cooper <ecc@cmu.edu>  
Copyright (C) 2010 Dirk Behme <dirk.behme@googlemail.com>  
Copyright (C) 2010 Broadcom Corporation  
Copyright (C) 2010 Andreas Bießmann <biessmann.devel@googlemail.com>  
Copyright (C) 2010 Andes Technology Corporation Shawn Lin, Andes Technology Corporation <nobuhiro@andestech.com> Macpaul Lin, Andes Technology Corporation <macpaul@andestech.com>  
Copyright (C) 2010 Andes Technology Corporation Gavin Guo, Andes Technology Corporation <gavinguo@andestech.com> Macpaul Lin, Andes Technology Corporation <macpaul@andestech.com>  
Copyright (C) 2010 Albert ARIBAUD <albert.u.boot@aribaud.net>  
Copyright (C) 2009-2014 Freescale Semiconductor, Inc. All Rights Reserved.  
Copyright (C) 2009-2012 Florian Fainelli <florian@openwrt.org>  
Copyright (C) 2009-2011 Gabor Juhos <juhosg@openwrt.org>  
Copyright (C) 2009-2010, Intel Corporation and its suppliers.  
Copyright (C) 2009-2010 Texas Instruments, Inc.  
Copyright (C) 2009-2010 Texas Instruments  
Copyright (C) 2009-2010 Freescale Semiconductor, Inc.  
Copyright (C) 2009, STMicroelectronics - All Rights Reserved Author(s): Vipin Kumar, <vipin.kumar@st.com> for STMicroelectronics.  
Copyright (C) 2009, Guennadi Liakhovetski <g.liakhovetski@gmx.de>  
Copyright (C) 2009, 2010 Matthias Kaehlcke <matthias@kaehlcke.net>  
Copyright (C) 2009 for Samsung Electronics  
Copyright (C) 2009 by Jan Weitzel Phytex Messtechnik GmbH, armlinux@phytec.de>  
Copyright (C) 2009 Texas Instruments Incorporated - <http://www.ti.com/>  
Copyright (C) 2009 TechNexion Ltd.  
Copyright (C) 2009 Sergey Kubushyn <ksi@koi8.net>  
Copyright (C) 2009 Samsung Electronics Minkyu Kang <mk7.kang@samsung.com> Sanghee Kim <sh0130.kim@samsung.com>  
Copyright (C) 2009 Samsung Electronics Minkyu Kang <mk7.kang@samsung.com> Kyungmin Park <kyungmin.park@samsung.com>  
Copyright (C) 2009 Samsung Electronics Minkyu Kang <mk7.kang@samsung.com>  
Copyright (C) 2009 Samsung Electronics Heungjun Kim <riverful.kim@samsung.com> Inki Dae <inki.dae@samsung.com> Minkyu Kang <mk7.kang@samsung.com>  
Copyright (C) 2009 Samsung Electronics Author: Michal Nazarewicz <m.nazarewicz@samsung.com> All rights reserved.  
Copyright (C) 2009 Nokia

Copyright (C) 2009 NVIDIA, Corporation  
Copyright (C) 2009 MontaVista Software, Inc. <source@mvista.com>  
Copyright (C) 2009 Matthias Kaehlcke <matthias@kaehlcke.net>  
Copyright (C) 2009 Marc Kleine-Budde <mkl@pengutronix.de>  
Copyright (C) 2009 Jens Scharsig (js\_at\_ng@scharsoft.de)  
Copyright (C) 2009 Jean-Christophe PLAGNIOL-VILLARD <plagnioj@jcrosoft.com>  
Copyright (C) 2009 Ilya Yanok <yanok@emcraft.com>  
Copyright (C) 2009 Guennadi Liakhovetski, DENX Software Engineering, <lg@denx.de>  
Copyright (C) 2009 Florian Fainelli <florian@openwrt.org>  
Copyright (C) 2009 Daniel Mack <daniel@caiaq.de>  
Copyright (C) 2009 BuS Elektronik GmbH & Co. KG Jens Scharsig (esw@bus-elektronik.de)  
Copyright (C) 2009 Alessandro Rubini <rubini@unipv.it> Rewritten based on work by Prafulla WADASKAR <prafulla.wadaskar@st.com>  
Copyright (C) 2009 Alessandro Rubini  
Copyright (C) 2009 Albin Tonnerre, Free Electrons <albin.tonnerre@free-electrons.com>  
Copyright (C) 2009 - 2014 Xilinx, Inc.  
Copyright (C) 2009 - 2013 Heiko Schocher <hs@denx.de>  
Copyright (C) 2009 - 2012 Paul Mundt  
Copyright (C) 2008-2013 Eric Jarrige <eric.jarrige@armadeus.org>  
Copyright (C) 2008-2011 Florian Fainelli <florian@openwrt.org>  
Copyright (C) 2008-2009 Texas Instruments Inc  
Copyright (C) 2008-2009 Samsung Electronics Kyungmin Park <kyungmin.park@samsung.com>  
Copyright (C) 2008-2009 Renesas Solutions Corp.  
Copyright (C) 2008-2009 MontaVista Software, Inc. <source@mvista.com>  
Copyright (C) 2008-2009 MontaVista Software, Inc.  
Copyright (C) 2008-2009 Avionic Design GmbH Thierry Reding <thierry.reding@avionic-design.de>  
Copyright (C) 2008,2010 Freescale Semiconductor, Inc.  
Copyright (C) 2008,2009 STMicroelectronics  
Copyright (C) 2008, Guennadi Liakhovetski <lg@denx.de>  
Copyright (C) 2008, 2011 Renesas Solutions Corp.  
Copyright (C) 2008 for Samsung Electronics  
Copyright (C) 2008 by Texas Instruments  
Copyright (C) 2008 by Sascha Hauer <kernel@pengutronix.de>  
Copyright (C) 2008 by NXP Semiconductors Author: Kevin Wells  
Copyright (C) 2008 by NXP Semiconductors Author: Based on code by Kevin Wells  
Copyright (C) 2008 Yusuke Goda <goda.yusuke@renesas.com>  
Copyright (C) 2008 Yoshihiro Shimoda <shimoda.yoshihiro@renesas.com>  
Copyright (C) 2008 Vivek Kotal <vivek.kotal@azingo.com>  
Copyright (C) 2008 The Android Open Source Project  
Copyright (C) 2008 Sascha Hauer, Pengutronix <s.hauer@pengutronix.de>  
Copyright (C) 2008 Samsung Electronics Kyungmin Park <kyungmin.park@samsung.com>  
Copyright (C) 2008 RuggedCom, Inc. Richard Retanubun <RichardRetanubun@RuggedCom.com>  
Copyright (C) 2008 Renesas Solutions Corp.  
Copyright (C) 2008 Renaud CERRATO r.cerrato@til-technologies.fr  
Copyright (C) 2008 Nokia Corporation: drop\_ffs() function by Artem Bityutskiy <dedekind1@gmail.com>  
Copyright (C) 2008 Nokia Corporation Contact: Felipe Balbi <felipe.balbi@nokia.com>  
Copyright (C) 2008 Nokia Corporation  
Copyright (C) 2008 Nobuhiro Iwamatsu <iwamatsu.nobuhiro@renesas.com>  
Copyright (C) 2008 Nir Tzachar <nir.tzachar@gmail.com>  
Copyright (C) 2008 MontaVista Software, Inc.  
Copyright (C) 2008 Maxime Bizon <mbizon@freebox.fr>  
Copyright (C) 2008 Marvell Semiconductor  
Copyright (C) 2008 Magnus Damm  
Copyright (C) 2008 Kim B. Heino  
Copyright (C) 2008 Jean-Christophe PLAGNIOL-VILLARD <plagnioj@jcrosoft.com>  
Copyright (C) 2008 Intel Corp. Author: Sarah Sharp  
Copyright (C) 2008 Guennadi Liakhovetki, DENX Software Engineering, <lg@denx.de>  
Copyright (C) 2008 Freescale Semiconductor, Inc. Dave Liu <daveliu@freescale.com>  
Copyright (C) 2008 Florian Fainelli <florian@openwrt.org>  
Copyright (C) 2008 Embedded Alley Solutions, Inc.  
Copyright (C) 2008 Dave S.r.l. <www.dave.eu>  
Copyright (C) 2008 Darius Augulis <darius.augulis at teltonika.lt>  
Copyright (C) 2008 Atmel Corporation  
Copyright (C) 2008 Altera Corporation.  
Copyright (C) 2008 ARM Limited  
Copyright (C) 2008 - 2012 Renesas Solutions Corp.  
Copyright (C) 2007-2013 Tensilica, Inc.  
Copyright (C) 2007-2010 Freescale Semiconductor, Inc.  
Copyright (C) 2007-2009 Texas Instruments, Inc.  
Copyright (C) 2007-2009 Industrie Dial Face S.p.A. Luigi 'Comio' Mantellini (luigi.mantellini@idf-hit.com)  
Copyright (C) 2007-2008 SMSC (Steve Glendinning)

Copyright (C) 2007-2008 Industrie Dial Face S.p.A. Luigi 'Comio' Mantellini (luigi.mantellini@idf-hit.com)  
Copyright (C) 2007-2008 Freescale Semiconductor, Inc.  
Copyright (C) 2007-2008 Avionic Design Development GmbH  
Copyright (C) 2007,2008,2010, 2014 Nobuhiro Iwamatsu  
Copyright (C) 2007,2008 Oracle. All rights reserved.  
Copyright (C) 2007, Guennadi Liakhovetski <lg@denx.de>  
Copyright (C) 2007 Wolfgang Denk, DENX Software Engineering, wd@denx.de.  
Copyright (C) 2007 The Android Open Source Project  
Copyright (C) 2007 Sergey Kubushyn <ksi@koi8.net>  
Copyright (C) 2007 Rodolfo Giometti <giometti@linux.it>  
Copyright (C) 2007 RightHand Technologies, Inc.  
Copyright (C) 2007 MontaVista Software, Inc. Anton Vorontsov <avorontsov@ru.mvista.com>  
Copyright (C) 2007 Miguel Gaio <miguel.gao@efixo.com>  
Copyright (C) 2007 Logic Product Development, Inc. Peter Barada <peterb@logicpd.com>  
Copyright (C) 2007 Freescale Semiconductor, Inc. Kevin Lam <kevin.lam@freescale.com> Joe D'Abbraccio <joe.d'abbraccio@freescale.com>  
Copyright (C) 2007 Freescale Semiconductor, Inc. Jason Jin <Jason.jin@freescale.com>  
Copyright (C) 2007 Freescale Semiconductor, Inc. Dave Liu <daveliu@freescale.com>  
Copyright (C) 2007 Freescale Semiconductor, Inc.  
Copyright (C) 2007 Eurotech S.p.A. <info@eurotech.it>  
Copyright (C) 2007 David Brownell  
Copyright (C) 2007 Atmel Corporation  
Copyright (C) 2006-2015 Nicolas Pitre  
Copyright (C) 2006-2014 Texas Instruments.  
Copyright (C) 2006-2011 Texas Instruments Incorporated - <http://www.ti.com/>  
Copyright (C) 2006-2009 Freescale Semiconductor, Inc.  
Copyright (C) 2006-2008 Nokia Corporation.  
Copyright (C) 2006-2008 David Brownell U-Boot porting: Lukasz Majewski <l.majewski@samsung.com>  
Copyright (C) 2006-2008 David Brownell  
Copyright (C) 2006-2007 Nokia Corporation  
Copyright (C) 2006, 2007 University of Szeged, Hungary  
Copyright (C) 2006 by Weiss-Electronic GmbH. All rights reserved.  
Copyright (C) 2006 by SAN People  
Copyright (C) 2006 Tolunay Orkun <listmember@orkun.us>  
Copyright (C) 2006 Texas Instruments.  
Copyright (C) 2006 Red Hat, Inc. All Rights Reserved. Written by David Howells (dhowells@redhat.com)  
Copyright (C) 2006 Pavel Pisa, PiKRON <ppisa@pikron.com>  
Copyright (C) 2006 Nokia Corporation Tony Lindgren <tony@atomide.com>  
Copyright (C) 2006 Nokia Corporation Author: Imre Deak <imre.deak@nokia.com>  
Copyright (C) 2006 Freescale Semiconductor, Inc. Dave Liu <daveliu@freescale.com>  
Copyright (C) 2006 Freescale Semiconductor, Inc.  
Copyright (C) 2006 Dominic Rath <Dominic.Rath@gmx.de>  
Copyright (C) 2006 David Gibson, IBM Corporation.  
Copyright (C) 2006 Cirrus Logic Inc.  
Copyright (C) 2005-2013 Atmel Corporation Bo Shen <voice.shen@atmel.com>  
Copyright (C) 2005-2012 Randy Dunlap  
Copyright (C) 2005-2011 Canonical Ltd  
Copyright (C) 2005-2009 Samsung Electronics Minkyu Kang <mk7.kang@samsung.com> Kyungmin Park <kyungmin.park@samsung.com>  
Copyright (C) 2005-2009 Samsung Electronics Kyungmin Park <kyungmin.park@samsung.com>  
Copyright (C) 2005-2008 Samsung Electronics Kyungmin Park <kyungmin.park@samsung.com>  
Copyright (C) 2005-2007 by Texas Instruments  
Copyright (C) 2005-2007 Samsung Electronics Kyungmin Park <kyungmin.park@samsung.com>  
Copyright (C) 2005-2006 Tower Technologies Author: Alessandro Zummo <a.zummo@towertech.it>  
Copyright (C) 2005-2006 Texas Instruments  
Copyright (C) 2005-2006 Atmel Corporation  
Copyright (C) 2005, Intec Automation Inc.  
Copyright (C) 2005, 2007 Olivier Gay <olivier.gay@a3.epfl.ch> All rights reserved.  
Copyright (C) 2005, 2006 Nokia Corporation  
Copyright (C) 2005 for Samsung Electronics  
Copyright (C) 2005 by Ivan Kokshaysky  
Copyright (C) 2005 by HP Labs  
Copyright (C) 2005 by David Brownell  
Copyright (C) 2005 Videon Central, Inc.  
Copyright (C) 2005 Torsten Koschorrek <koschorrek at synertronixx.de>  
Copyright (C) 2005 Texas Instruments.  
Copyright (C) 2005 Silicon Graphics, Inc. Christoph Lameter  
Copyright (C) 2005 Ralf Baechle (ralf@linux-mips.org)  
Copyright (C) 2005 Matthias Blaschke <blaschke at synertronixx.de>  
Copyright (C) 2005 HP Labs  
Copyright (C) 2005 David Brownell



Copyright (C) 2004-2011 Freescale Semiconductor, Inc.  
Copyright (C) 2004-2009, 2015 Freescale Semiconductor, Inc. TsiChung Liew (Tsi-Chung.Liew@freescale.com) Chao Fu (B44548@freescale.com) Haikun Wang (B53464@freescale.com)  
Copyright (C) 2004-2009, 2015 Freescale Semiconductor, Inc. Haikun Wang (haikun.wang@freescale.com)  
Copyright (C) 2004-2009 Freescale Semiconductor, Inc. TsiChung Liew (Tsi-Chung.Liew@freescale.com)  
Copyright (C) 2004-2008 Freescale Semiconductor, Inc. TsiChung Liew (Tsi-Chung.Liew@freescale.com)  
Copyright (C) 2004-2007, 2015 Freescale Semiconductor, Inc. TsiChung Liew (Tsi-Chung.Liew@freescale.com) Chao Fu (B44548@freesacle.com) Haikun Wang (B53464@freescale.com)  
Copyright (C) 2004-2007, 2012 Freescale Semiconductor, Inc. TsiChung Liew (Tsi-Chung.Liew@freescale.com)  
Copyright (C) 2004-2007, 2010 Freescale Semiconductor, Inc.  
Copyright (C) 2004-2007 Texas Instruments  
Copyright (C) 2004-2007 Freescale Semiconductor, Inc. TsiChung Liew (Tsi-Chung.Liew@freescale.com)  
Copyright (C) 2004-2007 Freescale Semiconductor, Inc. Hayden Fraser (Hayden.Fraser@freescale.com)  
Copyright (C) 2004-2007 Freescale Semiconductor, Inc.  
Copyright (C) 2004-2007 ARM Limited.  
Copyright (C) 2004-2006 Atmel Corporation  
Copyright (C) 2004, 2008 Kustaa Nyholm  
Copyright (C) 2004, 2005 Cory T. Tusar, Videon Central, Inc., <ctusar@videon-central.com>  
Copyright (C) 2004 by Thomas Rathbone, HP Labs  
Copyright (C) 2004 by Thomas Rathbone  
Copyright (C) 2004 by FS Forth-Systeme GmbH. All rights reserved.  
Copyright (C) 2004 by David Brownell  
Copyright (C) 2004 Patrik Kluba, University of Szeged, Hungary  
Copyright (C) 2004 Herbert Poetzl <herbert@13thfloor.at>  
Copyright (C) 2004 Gary Jennejohn garyj@denx.de  
Copyright (C) 2004 Ed Okerson  
Copyright (C) 2004 David Brownell  
Copyright (C) 2004 - 2009 Ivo van Doorn <lvDoorn@gmail.com>  
Copyright (C) 2003-2012 ARM Ltd. Authors: Catalin Marinas <catalin.marinas@arm.com> Will Deacon <will.deacon@arm.com>  
Copyright (C) 2003-2008 Alan Stern  
Copyright (C) 2003-2006 Christophe Devine  
Copyright (C) 2003-2005, 2008 David Brownell  
Copyright (C) 2003-2005 Nokia Corporation Written by Juha Yrjölä <juha.yrjola@nokia.com>  
Copyright (C) 2003-2004 Robert Schwebel, Benedikt Spranger  
Copyright (C) 2003, 2004 Free Software Foundation, Inc.  
Copyright (C) 2003 by Arthur van Hoff (avh@strangeberry.com)  
Copyright (C) 2003 Robert Schwebel, Pengutronix  
Copyright (C) 2003 Robert Schwebel <r.schwebel@pengutronix.de>, Pengutronix  
Copyright (C) 2003 Manuel Novoa III <mjn3@codepoet.org>  
Copyright (C) 2003 Kai-Uwe Bloem, Auerswald GmbH & Co KG, <linux-development@auerswald.de>  
Copyright (C) 2003 Joshua Wise  
Copyright (C) 2003 David Brownell  
Copyright (C) 2003 Bernardo Innocenti <bernie@develer.com>  
Copyright (C) 2003 Benedikt Spranger, Pengutronix  
Copyright (C) 2003 Arabella Software Ltd. Yuli Barcohen <yuli@arabellasw.com>  
Copyright (C) 2003 Aleph One Ltd.  
Copyright (C) 2003 Robert Schwebel <r.schwebel@pengutronix.de>  
Copyright (C) 2003 Kai-Uwe Bloem <kai-uwe.bloem@auerswald.de>  
Copyright (C) 2002-2011 Aleph One Ltd. for Toby Churchill Ltd and Brightstar Engineering  
Copyright (C) 2002-2007 Aleph One Ltd. for Toby Churchill Ltd and Brightstar Engineering  
Copyright (C) 2002-2005 Sam Ravnborg <sam@ravnborg.org>  
Copyright (C) 2002-2005 Roman Zippel <zippel@linux-m68k.org>  
Copyright (C) 2002-2003 Romain Lievin <roms@tilp.info>  
Copyright (C) 2002, 2003, 2004 Dell Inc. by Matt Domsch <Matt\_Domsch@dell.com>  
Copyright (C) 2002 rabeeh@galileo.co.il  
Copyright (C) 2002 Wolfgang Denk <wd@denx.de>  
Copyright (C) 2002 Thomas Gleixner (tglx@linutronix.de)  
Copyright (C) 2002 Roman Zippel <zippel@linux-m68k.org>  
Copyright (C) 2002 Paul Mundt  
Copyright (C) 2002 Intrinsyc, Inc. (Frank Becker)  
Copyright (C) 2002 - 2008 Paul Mundt  
Copyright (C) 2001-2003 Christophe Devine  
Copyright (C) 2001, Russ Dill Author: Russ Dill <Russ.Dill@asu.edu>  
Copyright (C) 2001 Standard Microsystems Corporation (SMSC) Developed by Simple Network Magic Corporation (SNMC)  
Copyright (C) 2001 Simon Huggins  
Copyright (C) 2001 Red Hat, Inc.  
Copyright (C) 2001 Peter Bergner.  
Copyright (C) 2001 Peter Bergner, IBM Corp.  
Copyright (C) 2001 Erik Mouw (J.A.K.Mouw@its.tudelft.nl)  
Copyright (C) 2001 Entity Cyber, Inc.

Copyright (C) 2001 Alex Zuepke <azu@sysgo.de>  
Copyright (C) 2000-2010 Steven J. Hill <sjhill@realitydiluted.com> David Woodhouse <dwmw2@infradead.org> Thomas Gleixner <tglx@linutronix.de>  
Copyright (C) 2000-2010 Broadcom Corporation  
Copyright (C) 2000-2005, DENX Software Engineering Wolfgang Denk <wd@denx.de>  
Copyright (C) 2000-2004 Steven J. Hill (sjhill@realitydiluted.com) Toshiba America Electronics Components, Inc.  
Copyright (C) 2000-2002 Transmeta Corporation  
Copyright (C) 2000-2002 Russell King  
Copyright (C) 2000-2001 Larry Doolittle <larry@doolittle.boa.org>  
Copyright (C) 2000-2001 Free Software Foundation, Inc.  
Copyright (C) 2000, 2004, 2005 MIPS Technologies, Inc. All rights reserved. Authors: Carsten Langgaard <carstenl@mips.com> Maciej W. Rozycki <macro@mips.com>  
Copyright (C) 2000, 1 Tim Waugh <tw Vaughn@redhat.com>  
Copyright (C) 2000 by Lineo, Inc., and written by Erik Andersen <andersen@lineo.com>, <andersee@debian.org>. That, in turn, is based in part on ladsh.c, by Michael K. Johnson and Erik W. Troan, which they placed in the public domain. I don't know how much of the Johnson/Troan code has survived the repeated rewrites. Other credits: b\_addchr() derived from similar w\_addchar function in glibc-2.2 setup\_redirect(), redirect\_opt\_num(), and big chunks of main() and many builtins derived from contributions by Erik Andersen miscellaneous bugfixes from Matt Kraai  
Copyright (C) 2000 Steven J. Hill (sjhill@realitydiluted.com) 2002-2006 Thomas Gleixner (tglx@linutronix.de)  
Copyright (C) 1999-2005 Igor Pavlov  
Copyright (C) 1999-2004 Free Software Foundation, Inc.  
Copyright (C) 1999-2001 Erik Mouw (J.A.K.Mouw@its.tudelft.nl)  
Copyright (C) 1999-2000 Niibe Yutaka & Kaz Kojima  
Copyright (C) 1999-2000 Niibe Yutaka  
Copyright (C) 1999, 2002-2003 Hewlett-Packard Co. David Mosberger-Tang <davidm@hpl.hp.com> Stephane Eranian <eranian@hpl.hp.com>  
Copyright (C) 1999 Walt Drummond <drummond@valinux.com>  
Copyright (C) 1999 VA Linux Systems  
Copyright (C) 1999 Russell King.  
Copyright (C) 1999 Linus Torvalds  
Copyright (C) 1999 Hewlett-Packard Co. Contributed by David Mosberger <davidm@hpl.hp.com>.  
Copyright (C) 1999 Hewlett-Packard Co  
Copyright (C) 1999 Egbert Eich  
Copyright (C) 1999 David Mosberger-Tang <davidm@hpl.hp.com>  
Copyright (C) 1999 Ben Williamson <benw@pobox.com>  
Copyright (C) 1998-2002 Red Hat, Inc.  
Copyright (C) 1998 David S. Miller (davem@redhat.com)  
Copyright (C) 1997-2001, 2004, 2007 Free Software Foundation, Inc.  
Copyright (C) 1997-1999 Russell King  
Copyright (C) 1997 Sten Wang  
Copyright (C) 1996-2010 Julian Seward <jseward@bzip.org>  
Copyright (C) 1996-2005 Paul Mackerras.  
Copyright (C) 1996-2005 Markus F.X.J. Oberhumer <markus@oberhumer.com>  
Copyright (C) 1996-2002 Markus Franz Xavier Johannes Oberhumer All Rights Reserved.  
Copyright (C) 1996-2002 Julian R Seward. All rights reserved.  
Copyright (C) 1996-2000 Russell King  
Copyright (C) 1996-1999 SciTech Software, Inc.  
Copyright (C) 1996-1999 Russell King.  
Copyright (C) 1996-1998 Russell King.  
Copyright (C) 1996, 1998 Jakub Jelinek (jj@sunsite.mff.cuni.cz)  
Copyright (C) 1996, 1999, 2001 David S. Miller (davem@redhat.com)  
Copyright (C) 1996 by Erik Stahlman (ES)  
Copyright (C) 1996 Russell King  
Copyright (C) 1996 Larry Ewing (lewing@isc.tamu.edu)  
Copyright (C) 1995-2010 Jean-loup Gailly detect\_data\_type() function provided freely by Cosmin Truta, 2006  
Copyright (C) 1995-2010 Jean-loup Gailly and Mark Adler  
Copyright (C) 1995-2010 Jean-loup Gailly  
Copyright (C) 1995-2005 Mark Adler  
Copyright (C) 1995-2005 Jean-loup Gailly.  
Copyright (C) 1995-2005 Jean-loup Gailly and Mark Adler  
Copyright (C) 1995-2004 Mark Adler  
Copyright (C) 1995-2003 Mark Adler  
Copyright (C) 1995-2002 Russell King  
Copyright (C) 1995-2000 Russell King  
Copyright (C) 1995-1999, 2000 Free Software Foundation, Inc.  
Copyright (C) 1995-1998 Mark Adler  
Copyright (C) 1995-1997, 1999-2000 Free Software Foundation, Inc.  
Copyright (C) 1994-2013 Russell King  
Copyright (C) 1994-2002 Russell King  
Copyright (C) 1994-1999 Russell King  
Copyright (C) 1993, 2003-2007 Free Software Foundation, Inc.

Copyright (C) 1993, 1996, 2001-2002 Free Software Foundation, Inc.  
Copyright (C) 1993, 1995-1997, 2002 Free Software Foundation, Inc. Contributed by Ulrich Drepper  
<drepper@gnu.ai.mit.edu>, 1993.  
Copyright (C) 1992, 1997 Free Software Foundation, Inc.  
Copyright (C) 1992, 1994 by Theodore Ts'o.  
Copyright (C) 1991-2004 SciTech Software, Inc. All rights reserved.  
Copyright (C) 1991-2004 SciTech Software, Inc.  
Copyright (C) 1991-1992 Linus Torvalds  
Copyright (C) 1991,1996-1999,2001,2004,2007 Free Software Foundation, Inc.  
Copyright (C) 1991, 1999 Free Software Foundation, Inc. 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA  
Copyright (C) 1991 Free Software Foundation, Inc. 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA  
Copyright (C) 1989, 1991 Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA  
COPYRIGHT I B M CORPORATION 1995 LICENSED MATERIAL - PROGRAM PROPERTY OF I B M  
COPYRIGHT (c) 2000 BY ABATRON AG  
COPYRIGHT (C) 1986 Gary S. Brown.  
(c) mycable GmbH  
(c) Rob Taylor, Flying Pig Systems. 2000.  
(c) Copyright 2016, Data61 Commonwealth Scientific and Industrial Research Organisation (CSIRO)  
(c) Copyright 2016 by VRT Technology  
(c) Copyright 2015 Xilinx, Inc. All rights reserved.  
(c) Copyright 2012 by National Instruments, Joe Hershberger <joe.hershberger@ni.com>  
(c) Copyright 2011 by Tigris Elektronik GmbH  
(c) Copyright 2004 Faraday Technology Corp. (www.faraday-tech.com) Based on sa1100\_wdt.c by Oleg Drokin  
<green@crimea.edu> Based on SoftDog driver by Alan Cox <alan@redhat.com>  
(c) Copyright 2000 Oleg Drokin <green@crimea.edu> Based on SoftDog driver by Alan Cox <alan@lxorguk.ukuu.org.uk>  
(c) 2015 Purna Chandra Mandal <purna.mandal@microchip.com>  
(c) 2015 Paul Thacker <paul.thacker@microchip.com>  
(c) 2013 Guntermann & Drunck GmbH  
(c) 2012 Daniel Stodden <daniel.stodden@gmail.com>  
(c) 2011 Marek Vasut <marek.vasut@gmail.com>  
(c) 2011 Graf-Syteco, Matthias Weisser weisserm@arcor.de>  
(c) 2011 Bticino s.p.a, Roberto Cerati <roberto.cerati@bticino.it>  
(c) 2010-2018 Joe Perches <joe@perches.com>  
(c) 2010 Broadcom  
(c) 2009 Magnus Lilja <lilja.magnus@gmail.com>  
(c) 2008-2010 Andy Whitcroft <apw@canonical.com>  
(c) 2007,2008, Andy Whitcroft <apw@uk.ibm.com>  
(c) 2007,2008 Nobuhiro Iwamatsu <iwamatsu@nigauri.org>  
(c) 2007, Joe Perches <joe@perches.com> created from checkpatch.pl  
(c) 2007 Sascha Hauer <s.hauer@pengutronix.de>  
(c) 2007 Pengutronix, Sascha Hauer <s.hauer@pengutronix.de>  
(c) 2007 Nobuhiro Iwamatsu <iwamatsu@nigauri.org>  
(c) 2005, Joel Schopp <jschopp@austin.ibm.com>  
(c) 2004 Sascha Hauer <sascha@saschahauer.de>  
(c) 2004 Andre Renaud from logo\_gurnard\_small.ppm  
(c) 2001, Dave Jones  
(c) 2000 Yggdrasil Computing, Inc.  
(c) 2000 David L. Brown, Jr. (usb-storage@davidb.org)  
(c) 1999-2002 Matthew Dharm (mdharm-usb@one-eyed-alien.net)  
(c) 1999, 2000 David Woodhouse <dwmw2@infradead.org>  
(c) 1999 Michael Gee (michael@linuxspecific.com)  
(c) 1999 Machine Vision Holdings, Inc.  
(C) Masami Komiya <mkomiya@sonare.it> 2005  
(C) Masami Komiya <mkomiya@sonare.it> 2004  
(C) Mar/2003 Kai-Uwe Bloem <kai-uwe.bloem@auerswald.de>  
(C) Heiko Schocher, DENX Software Engineering, hs@denx.de.  
(C) Copyright: 2013 Gumstix, Inc - http://www.gumstix.com Maintainer: Ash Charles <ash@gumstix.com>  
(C) Copyright Yggdrasil Computing, Inc. 2000 usb\_device\_id matching changes by Adam J. Richter  
(C) Copyright Randy Dunlap 2000  
(C) Copyright Motorola, Inc., 2000  
(C) Copyright Linus Torvalds 1999  
(C) Copyright Johannes Erdfelt 1999-2001  
(C) Copyright Gregory P. Smith 1999  
(C) Copyright Deti Fliegl 1999  
(C) Copyright David Gibson <dwg@au1.ibm.com>, IBM Corporation. 2007.  
(C) Copyright David Gibson <dwg@au1.ibm.com>, IBM Corporation. 2005.  
(C) Copyright David Brownell 2000  
(C) Copyright Andreas Gal 1999  
(C) Copyright 2022 TQ-Systems GmbH Markus Niebel <Markus.Niebel@tq-group.com>  
(C) Copyright 2020 TQ-Systems GmbH Markus Niebel <Markus.Niebel@tq-group.com>  
(C) Copyright 2020 Sam Protsenko <joe.skb7@gmail.com>

(C) Copyright 2020 Cortina-Access Ltd.  
(C) Copyright 2020 - 2022 TQ-Systems GmbH Markus Niebel <Markus.Niebel@tq-group.com>  
(C) Copyright 2020 - 2021 TQ-Systems GmbH Martin Schmiedel <Martin.Schmiedel@tq-group.com>  
(C) Copyright 2019, Vaisala Oyj  
(C) Copyright 2019 Xilinx, Inc. Siva Durga Prasad Paladugu <siva.durga.paladugu@xilinx.com>  
(C) Copyright 2019 Vasily Khoruzhick <anarsoul@gmail.com>  
(C) Copyright 2019 Texas Instruments Incorporated, <www.ti.com> Keerthy <j-keerthy@ti.com>  
(C) Copyright 2019 Texas Instruments Incorporated, <www.ti.com>  
(C) Copyright 2019 Synamedia  
(C) Copyright 2019 Rockchip Electronics Co., Ltd  
(C) Copyright 2019 Ramon Fried <rfried.dev@gmail.com>  
(C) Copyright 2019 Ramon Fried <ramon.fried@gmail.com>  
(C) Copyright 2019 NXP Chuanhua Han <chuanhua.han@nxp.com>  
(C) Copyright 2019 NXP  
(C) Copyright 2019 Microchip Technology, Inc. Author: Eugen Hristev <eugen.hristev@microchip.com>  
(C) Copyright 2019 Linaro Author: Manivannan Sadhasivam <manivannan.sadhasivam@linaro.org>  
(C) Copyright 2019 Giulio Benetti <giulio.benetti@benettiengineering.com>  
(C) Copyright 2019 GE  
(C) Copyright 2019 DEIF A/S  
(C) Copyright 2019 Cortina Access Arthur Li <arthur.li@cortina-access.com>  
(C) Copyright 2019 Collabora  
(C) Copyright 2019 Amarula Solutions  
(C) Copyright 2019 Alex Marginean, NXP  
(C) Copyright 2018-2019 Xilinx, Inc. Michal Simek <michal.simek@xilinx.com> Siva Durga Prasad Paladugu <sivadur@xilinx.com>  
(C) Copyright 2018-2019 Xilinx, Inc. Michal Simek <michal.simek@xilinx.com> Siva Durga Prasad Paladugu <siva.durga.paladugu@xilinx.com>  
(C) Copyright 2018-2019 Rockchip Electronics Co., Ltd  
(C) Copyright 2018-2019 NVIDIA Corporation.  
(C) Copyright 2018, Linaro Limited  
(C) Copyright 2018 Xilinx, Inc. Michal Simek <michal.simek@xilinx.com> Siva Durga Prasad Paladugu <sivadur@xilinx.com>  
(C) Copyright 2018 Xilinx, Inc. (Michal Simek)  
(C) Copyright 2018 Xilinx  
(C) Copyright 2018 Theobroma Systems Design und Consulting GmbH  
(C) Copyright 2018 Rockchip Electronics Co., Ltd.  
(C) Copyright 2018 Ramon Fried <ramon.fried@gmail.com>  
(C) Copyright 2018 Quentin Schulz, Bootlin, quentin.schulz@bootlin.com  
(C) Copyright 2018 Microchip Technology, Inc. Eugen Hristev <eugen.hristev@microchip.com>  
(C) Copyright 2018 Michal Simek <monstr@monstr.eu>  
(C) Copyright 2018 Mario Six, Guntermann & Drunck GmbH, mario.six@gdsys.cc  
(C) Copyright 2018 Lukasz Majewski, DENX Software Engineering, lukma@denx.de.  
(C) Copyright 2018 Lothar Felte, lothar.felten@gmail.com  
(C) Copyright 2018 Liviu Dudau <liviud@dudau.co.uk>  
(C) Copyright 2018 Linaro Ltd. Sam Protsenko <semen.protsenko@linaro.org> Eugeniu Rosca <rosca.eugeniu@gmail.com>  
(C) Copyright 2018 Linaro Ltd. Sam Protsenko <semen.protsenko@linaro.org>  
(C) Copyright 2018 DENX Software Engineering, Anatolij Gustschin <agust@denx.de>  
(C) Copyright 2018 Cisco Systems, Inc.  
(C) Copyright 2018 Angelo Dureghello <angelo@sysam.it>  
(C) Copyright 2018 - Beniamino Galvani <b.galvani@gmail.com>  
(C) Copyright 2018 - BayLibre, SAS Author: Neil Armstrong <narmstrong@baylibre.com>  
(C) Copyright 2017-2019 Rockchip Electronics Co., Ltd  
(C) Copyright 2017, Xilinx Inc.  
(C) Copyright 2017, Heinrich Schuchardt <xypron.glpk@gmx.de>  
(C) Copyright 2017, 2018 Mario Six, Guntermann & Drunck GmbH, mario.six@gdsys.cc  
(C) Copyright 2017 Whitebox Systems / Northend Systems B.V. S.J.R. van Schaik <stephan@whiteboxsystems.nl> M.B.W. Wajer <merlijn@whiteboxsystems.nl>  
(C) Copyright 2017 Vasily Khoruzhick <anarsoul@gmail.com>  
(C) Copyright 2017 Theobroma Systems Design und Consulting GmbH  
(C) Copyright 2017 Texas Instruments, <www.ti.com>  
(C) Copyright 2017 Texas Instruments Incorporated, <www.ti.com> Keerthy <j-keerthy@ti.com>  
(C) Copyright 2017 Texas Instruments Incorporated, <www.ti.com>  
(C) Copyright 2017 TQ-Systems GmbH Markus Niebel <Markus.Niebel@tq-group.com>  
(C) Copyright 2017 STMicroelectronics  
(C) Copyright 2017 Rockchip Electronics Co., Ltd.  
(C) Copyright 2017 Rockchip Electronics Co., Ltd Author: Andy Yan <andy.yan@rock-chips.com>  
(C) Copyright 2017 Rob Clark  
(C) Copyright 2017 Renesas Electronics Europe Ltd  
(C) Copyright 2017 Opal Kelly Inc.  
(C) Copyright 2017 Olimex Ltd.. Stefan Mavrodiev <stefan@olimex.com>  
(C) Copyright 2017 NVIDIA Corporation <www.nvidia.com>  
(C) Copyright 2017 Mario Six, Guntermann & Drunck GmbH, mario.six@gdsys.cc

(C) Copyright 2017 Linaro Ltd. Sam Protsenko <semen.protsenko@linaro.org>  
(C) Copyright 2017 Linaro Limited  
(C) Copyright 2017 Linaro  
(C) Copyright 2017 Jorge Ramirez-Ortiz <jorge.ramirez-ortiz@linaro.org>  
(C) Copyright 2017 Jernej Skrabec <jernejskrabec@siol.net>  
(C) Copyright 2017 Icenowy Zheng <icenowy@aosc.io>  
(C) Copyright 2017 Heinrich Schuchardt  
(C) Copyright 2017 Eddie Cai <eddie.cai.linux@gmail.com>  
(C) Copyright 2017 CompuLab, Ltd. <http://www.compulab.com>  
(C) Copyright 2017 Angelo Dureghello <angelo@sysam.it>  
(C) Copyright 2017 Adaptrum, Inc. Written by Alexandru Gagniuc <alex.g@adaptrum.com>  
(C) Copyright 2017 Adam Ford, Logic PD, [aford173@gmail.com](mailto:aford173@gmail.com)  
(C) Copyright 2017 - Beniamino Galvani <b.galvani@gmail.com>  
(C) Copyright 2016-2018 ARM Ltd. Author: Liviu Dudau <liviu.dudau@foss.arm.com>  
(C) Copyright 2016-2017 Rockchip Inc.  
(C) Copyright 2016 Xilinx, Inc.  
(C) Copyright 2016 Vasily Khoruzhick <anarsoul@gmail.com>  
(C) Copyright 2016 Toradex Author: Stefan Agner <stefan.agner@toradex.com>  
(C) Copyright 2016 Toradex AG  
(C) Copyright 2016 Texas Instruments, <[www.ti.com](http://www.ti.com)>  
(C) Copyright 2016 Texas Instruments Incorporated, <[www.ti.com](http://www.ti.com)> Keerthy <j-keerthy@ti.com>  
(C) Copyright 2016 Texas Instruments Incorporated, <[www.ti.com](http://www.ti.com)> Jean-Jacques Hiblot <jjhiblot@ti.com>  
(C) Copyright 2016 Texas Instruments Incorporated, <[www.ti.com](http://www.ti.com)>  
(C) Copyright 2016 Stephen Warren <swarren@wwwdotorg.org>  
(C) Copyright 2016 Songjun Wu <songjun.wu@atmel.com>  
(C) Copyright 2016 Savoir-faire Linux Inc.  
(C) Copyright 2016 Rockchip Electronics Co., Ltd Author: Andy Yan <andy.yan@rock-chips.com>  
(C) Copyright 2016 Rockchip Electronics Co., Ltd  
(C) Copyright 2016 Rick Chen, NDS32 Software Engineering, [rick@andestech.com](mailto:rick@andestech.com)  
(C) Copyright 2016 Olliver Schinagl <oliver@schinagl.nl>  
(C) Copyright 2016 Michael Kurz, <michi.kurz@gmail.com>  
(C) Copyright 2016 Mario Six, Guntermann & Drunck GmbH, [mario.six@gdsys.cc](mailto:mario.six@gdsys.cc)  
(C) Copyright 2016 Marcel Ziswiler <marcel.ziswiler@toradex.com>  
(C) Copyright 2016 Linaro Limited Andrew F. Davis <andrew.davis@linaro.org>  
(C) Copyright 2016 Jelle van der Waa <jelle@vbwaa.nl>  
(C) Copyright 2016 Heiko Stuebner <heiko@sntech.de>  
(C) Copyright 2016 Heiko Schocher, DENX Software Engineering, [hs@denx.de](mailto:hs@denx.de).  
(C) Copyright 2016 Google, Inc Written by Simon Glass <sjg@chromium.org>  
(C) Copyright 2016 Google, Inc  
(C) Copyright 2016 Fuzhou Rockchip Electronics Co., Ltd  
(C) Copyright 2016 Freescale Semiconductor, Inc.  
(C) Copyright 2016 Dirk Eibach, Guntermann & Drunck GmbH, [dirk.eibach@gdsys.cc](mailto:dirk.eibach@gdsys.cc)  
(C) Copyright 2016 DENX Software Engineering GmbH Written-by: Albert ARIBAUD <albert.aribaud@3adev.fr>  
(C) Copyright 2016 Chen-Yu Tsai <wens@csie.org>  
(C) Copyright 2016 Carlo Caione <carlo@caione.org>  
(C) Copyright 2016 Cadence Design Systems Inc.  
(C) Copyright 2016 Beniamino Galvani <b.galvani@gmail.com>  
(C) Copyright 2016 Author: Amit Singh Tomar, [amittomer25@gmail.com](mailto:amittomer25@gmail.com)  
(C) Copyright 2016 Angelo Dureghello <angelo@sysam.it>  
(C) Copyright 2016 Allied Telesis <[www.alliedtelesis.co.nz](http://www.alliedtelesis.co.nz)>  
(C) Copyright 2016 Alexander Graf <agraf@suse.de>  
(C) Copyright 2016 Alexander Graf  
(C) Copyright 2016 - 2018 Xilinx, Inc. Michal Simek <michal.simek@xilinx.com>  
(C) Copyright 2015-2020 NVIDIA Corporation <[www.nvidia.com](http://www.nvidia.com)>  
(C) Copyright 2015-2018 Vladimir Zapolskiy <vz@mleia.com>  
(C) Copyright 2015-2016 Texas Instruments Incorporated, <[www.ti.com](http://www.ti.com)>  
(C) Copyright 2015-2016 Freescale Semiconductor, Inc.  
(C) Copyright 2015, Samsung Electronics Przemyslaw Marczak <p.marczak@samsung.com>  
(C) Copyright 2015 Xilinx, Inc, Michal Simek <michal.simek@xilinx.com>  
(C) Copyright 2015 Vishnu Patekar <vishnuptekar0510@gmail.com>  
(C) Copyright 2015 Vishnu Patekar <vishnupatekar0510@gmail.com>  
(C) Copyright 2015 Texas Instruments  
(C) Copyright 2015 Texas Instruments Incorporated, <[www.ti.com](http://www.ti.com)>  
(C) Copyright 2015 Stephen Warren <swarren@wwwdotorg.org>  
(C) Copyright 2015 Sjoerd Simons <sjoerd.simons@collabora.co.uk>  
(C) Copyright 2015 Rockchip Electronics Co., Ltd  
(C) Copyright 2015 Miao Yan <yanmiaobest@gmail.com>  
(C) Copyright 2015 Mateusz Kulikowski <mateusz.kulikowski@gmail.com>  
(C) Copyright 2015 Marek Vasut <marex@denx.de>  
(C) Copyright 2015 Lukasz Majewski <l.majewski@majess.pl>  
(C) Copyright 2015 Linus Walleij, Linaro

(C) Copyright 2015 Linaro Peter Griffin <peter.griffin@linaro.org>  
(C) Copyright 2015 Linaro  
(C) Copyright 2015 Kamil Lulko, <kamil.lulko@gmail.com>  
(C) Copyright 2015 Joe Hershberger, National Instruments, joe.hershberger@ni.com  
(C) Copyright 2015 Joe Hershberger <joe.hershberger@ni.com>  
(C) Copyright 2015 Jagan Teki <jteki@openedev.com>  
(C) Copyright 2015 Inter Act B.V.  
(C) Copyright 2015 Heiko Schocher, DENX Software Engineering, hs@denx.de.  
(C) Copyright 2015 Hans de Goede <hdegoede@redhat.com>  
(C) Copyright 2015 Google, Inc Written by Simon Glass <sjg@chromium.org>  
(C) Copyright 2015 Google, Inc  
(C) Copyright 2015 Freescale Semiconductor, Inc.  
(C) Copyright 2015 Freescale Semiconductor  
(C) Copyright 2015 Elecsys Corporation <www.elecsyscorp.com> Kevin Smith <kevin.smith@elecsyscorp.com>  
(C) Copyright 2015 Dirk Eibach, Guntermann & Drunck GmbH, eibach@gdsys.de  
(C) Copyright 2015 DENX Software Engineering GmbH Written-by: Albert ARIBAUD <albert.aribaud@3adev.fr>  
(C) Copyright 2015 Chen-Yu Tsai <wens@csie.org>  
(C) Copyright 2015 Bernecker & Rainer Industrieelektronik GmbH - http://www.br-automation.com  
(C) Copyright 2015 Angelo Dureghello <angelo@sysam.it>  
(C) Copyright 2015 Albert ARIBAUD <albert.u.boot@aribaud.net>  
(C) Copyright 2015 - 2016 Xilinx, Inc. Michal Simek <michal.simek@xilinx.com>  
(C) Copyright 2014-2016, Freescale Semiconductor, Inc.  
(C) Copyright 2014-2015 Hans de Goede <hdegoede@redhat.com>  
(C) Copyright 2014-2015 Freescale Semiconductor  
(C) Copyright 2014-2015 DENX Software Engineering GmbH Written-by: Albert ARIBAUD - 3ADEV <albert.aribaud@3adev.fr>  
(C) Copyright 2014, Xilinx, Inc  
(C) Copyright 2014, Cavium Inc.  
(C) Copyright 2014 stmicroelectronics  
(C) Copyright 2014 Topic Embedded Products  
(C) Copyright 2014 Texas Instruments, <www.ti.com>  
(C) Copyright 2014 Texas Instruments Incorporated. Felipe Balbi <balbi@ti.com>  
(C) Copyright 2014 Texas Instruments Incorporated, <www.ti.com>  
(C) Copyright 2014 Texas Instruments Incorporated - http://www.ti.com Author: Felipe Balbi <balbi@ti.com>  
(C) Copyright 2014 Texas Instruments Incorporated  
(C) Copyright 2014 Stephen Warren swarren@wwwdotorg.org  
(C) Copyright 2014 NVIDIA Corporation <www.nvidia.com>  
(C) Copyright 2014 Linaro, Ltd. Rob Herring <robh@kernel.org>  
(C) Copyright 2014 Heiko Schocher, DENX Software Engineering, hs@denx.de.  
(C) Copyright 2014 Heiko Schocher <hs@denx.de> DENX Software Engineering GmbH  
(C) Copyright 2014 Hans de Goede <hdegoede@redhat.com>  
(C) Copyright 2014 Google, Inc Writte by Simon Glass <sjg@chromium.org>  
(C) Copyright 2014 Google, Inc Simon Glass <sjg@chromium.org>  
(C) Copyright 2014 Google, Inc  
(C) Copyright 2014 Gabriel Huau <contact@huau-gabriel.fr>  
(C) Copyright 2014 Freescale Semiconductor, Inc. Author: Ruchika Gupta <ruchika.gupta@freescale.com>  
(C) Copyright 2014 Freescale Semiconductor, Inc. Author: Nitin Garg <nitin.garg@freescale.com> Ye Li <Ye.Li@freescale.com>  
(C) Copyright 2014 Freescale Semiconductor, Inc. Author: Nitin Garg <nitin.garg@freescale.com>  
(C) Copyright 2014 Freescale Semiconductor, Inc.  
(C) Copyright 2014 Dirk Eibach, Guntermann & Drunck GmbH, eibach@gdsys.de  
(C) Copyright 2014 Dirk Eibach, Guntermann & Drunck GmbH, dirk.eibach@gdsys.cc  
(C) Copyright 2014 DENX Software Engineering Heiko Schocher <hs@denx.de>  
(C) Copyright 2014 DENX Software Engineering GmbH Written-by: Albert ARIBAUD - 3ADEV <albert.aribaud@3adev.fr>  
(C) Copyright 2014 DENX Software Engineering GmbH Written-by: Albert ARIBAUD <albert.aribaud@3adev.fr>  
(C) Copyright 2014 CompuLab, Ltd. <www.compulab.co.il>  
(C) Copyright 2014 Chen-Yu Tsai <wens@csie.org>  
(C) Copyright 2014 Andreas Bießmann <andreas@biessmann.org>  
(C) Copyright 2014 Albert ARIBAUD <albert.u.boot@aribaud.net>  
(C) Copyright 2014 3ADEV <http://3adev.com> Written by Albert ARIBAUD <albert.aribaud@3adev.fr>  
(C) Copyright 2014 - 2015 Xilinx, Inc. Michal Simek <michal.simek@xilinx.com>  
(C) Copyright 2013-2016 Freescale Semiconductor, Inc.  
(C) Copyright 2013-2015 NVIDIA Corporation <www.nvidia.com>  
(C) Copyright 2013-2014 NVIDIA Corporation <www.nvidia.com>  
(C) Copyright 2013-2014 Luc Verhaegen <libv@skynet.be>  
(C) Copyright 2013 Xilinx, Inc.  
(C) Copyright 2013 Thomas Petazzoni thomas.petazzoni@free-electrons.com>  
(C) Copyright 2013 Texas Instruments, <www.ti.com>  
(C) Copyright 2013 Texas Instruments Incorporated. Sricharan R <r.sricharan@ti.com>  
(C) Copyright 2013 Texas Instruments Incorporated. Lokesh Vutla <lokeshvutla@ti.com>  
(C) Copyright 2013 Texas Instruments Inc, <www.ti.com>

(C) Copyright 2013 Siemens Schweiz AG  
(C) Copyright 2013 Siemens AG  
(C) Copyright 2013 Sergey Kostenbaev <sergey.kostenbaev <at> fairwaves.ru>  
(C) Copyright 2013 Samsung Electronics Przemyslaw Marczak <p.marczak@samsung.com>  
(C) Copyright 2013 Patrice Bouchand <pbfdlist\_gmail\_com>  
(C) Copyright 2013 Oliver Schinagl <oliver@schinagl.nl>  
(C) Copyright 2013 NVIDIA Corporation <www.nvidia.com>  
(C) Copyright 2013 Maxime Ripard <maxime.ripard@free-electrons.com>  
(C) Copyright 2013 Luke Kenneth Casson Leighton <lkcl@lkcl.net>  
(C) Copyright 2013 Linaro Andre Przywara, <andre.przywara@linaro.org>  
(C) Copyright 2013 Keymile AG Valentin Longchamp <valentin.longchamp@keymile.com>  
(C) Copyright 2013 Heiko Schocher, DENX Software Engineering, hs@denx.de.  
(C) Copyright 2013 Guilherme Maciel Ferreira <guilherme.maciel.ferreira@gmail.com>  
(C) Copyright 2013 Faraday Technology Dante Su <dantesu@faraday-tech.com>  
(C) Copyright 2013 Dirk Eibach, Guntermann & Drunck GmbH, dirk.eibach@gdsys.cc  
(C) Copyright 2013 David Feng <fenghua@phytium.com.cn>  
(C) Copyright 2013 Avionic Design GmbH <www.avionic-design.de>  
(C) Copyright 2013 Atmel Corporation. Josh Wu <josh.wu@atmel.com>  
(C) Copyright 2013 Andreas Bießmann <andreas@biessmann.org>  
(C) Copyright 2013 Andre Przywara, Linaro <andre.przywara@linaro.org>  
(C) Copyright 2013 Altera Corporation <www.altera.com>  
(C) Copyright 2013 Albert ARIBAUD <albert.u.boot@aribaud.net> David Feng <fenghua@phytium.com.cn>  
(C) Copyright 2013 Afzal Mohammed <afzal.mohd.ma@gmail.com>  
(C) Copyright 2013 ADVANSEE  
(C) Copyright 2013 - 2018 Xilinx, Inc.  
(C) Copyright 2013 - 2017 Xilinx.  
(C) Copyright 2013 - 2015 Xilinx, Inc.  
(C) Copyright 2012-2016 Stephen Warren  
(C) Copyright 2012-2014 Texas Instruments Incorporated, <www.ti.com>  
(C) Copyright 2012-2014 Marvell Semiconductor <www.marvell.com> Written-by: Maen Suleiman, Gerald Kerma  
(C) Copyright 2012-2013, Xilinx, Michal Simek  
(C) Copyright 2012-2013 Texas Instruments, <www.ti.com>  
(C) Copyright 2012-2013 Henrik Nordstrom <henrik@henriknordstrom.net>  
(C) Copyright 2012-2012 Henrik Nordstrom <henrik@henriknordstrom.net>  
(C) Copyright 2012, Stefan Roese <sr@denx.de>  
(C) Copyright 2012 eInfochips Ltd. <www.einfochips.com> Written-by: Ajay Bhargav <contact@8051projects.net>  
(C) Copyright 2012 Xilinx  
(C) Copyright 2012 Valentin Longchamp, Keymile AG, valentin.longchamp@keymile.com  
(C) Copyright 2012 Texas Instruments, <www.ti.com>  
(C) Copyright 2012 Texas Instruments Incorporated - <http://www.ti.com/> Aneesh V <aneesh@ti.com> Based on common/Makefile.  
(C) Copyright 2012 Stephen Warren  
(C) Copyright 2012 Stefan Roese, DENX Software Engineering, sr@denx.de.  
(C) Copyright 2012 Samsung Electronics Donghwa Lee <dh09.lee@samsung.com>  
(C) Copyright 2012 SAMSUNG Electronics Padmavathi Venna <padma.v@samsung.com>  
(C) Copyright 2012 SAMSUNG Electronics Jaehoon Chung <jh80.chung@samsung.com> Rajeshwari Shinde <rajeshwari.s@samsung.com>  
(C) Copyright 2012 SAMSUNG Electronics Jaehoon Chung <jh80.chung@samsung.com>  
(C) Copyright 2012 Pavel Herrmann <morpheus.ibis@gmail.com> Marek Vasut <marex@denx.de>  
(C) Copyright 2012 Pavel Herrmann <morpheus.ibis@gmail.com>  
(C) Copyright 2012 Pali Rohár <pali.rohar@gmail.com>  
(C) Copyright 2012 Michal Simek <monstr@monstr.eu>  
(C) Copyright 2012 Marvell Semiconductor <www.marvell.com> Written-by: Maen Suleiman, Gerald Kerma  
(C) Copyright 2012 Markus Hubig <mhubig@imko.de> IMKO GmbH <www.imko.de>  
(C) Copyright 2012 Marek Vasut <marex@denx.de>  
(C) Copyright 2012 Linaro Linus Walleij <linus.walleij@linaro.org> Common ARM Integrator configuration settings  
(C) Copyright 2012 Lei Wen <leiw@marvell.com>, Marvell Inc.  
(C) Copyright 2012 Konstantin Kozhevnikov, Cogent Embedded  
(C) Copyright 2012 Jorgen Lundman <lundman@lundman.net>  
(C) Copyright 2012 Joe Hershberger, National Instruments, joe.hershberger@ni.com  
(C) Copyright 2012 Joe Hershberger <joe.hershberger@ni.com>  
(C) Copyright 2012 Ilya Yanok <ilya.yanok@gmail.com>  
(C) Copyright 2012 ISEE 2007 SL, <www.iseebcn.com>  
(C) Copyright 2012 Holger Brunck, Keymile GmbH Hannover, <holger.brunck@keymile.com> Christian Herzig, Keymile AG Switzerland, <christian.herzig@keymile.com>  
(C) Copyright 2012 Henrik Nordstrom <henrik@henriknordstrom.net>  
(C) Copyright 2012 Heiko Schocher, DENX Software Engineering, hs@denx.de.  
(C) Copyright 2012 Freescale Semiconductor, Inc.  
(C) Copyright 2012 Corscience GmbH & Co. KG Thomas Weber <weber@corscience.de>  
(C) Copyright 2012 Atmel Semiconductor <www.atmel.com> Written-by: Bo Shen <voice.shen@atmel.com>  
(C) Copyright 2012 Armando Visconti, ST Microelectronics, armando.visconti@st.com.

(C) Copyright 2012 Amit Viridi, ST Microelectronics, amit.virdi@st.com.  
(C) Copyright 2012 Allwinner Technology Co., Ltd. <www.allwinnertech.com> Tom Cubie <tangliang@allwinnertech.com>  
(C) Copyright 2012 Albert ARIBAUD <albert.u.boot@aribaud.net>  
(C) Copyright 2012 ATMEL, Hong Xu  
(C) Copyright 2011-2013 Texas Instruments, <www.ti.com>  
(C) Copyright 2011-2013 Pali Rohár <pali.rohar@gmail.com>  
(C) Copyright 2011-2012 Pali Rohár <pali.rohar@gmail.com>  
(C) Copyright 2011-2012 Holger Brunck, Keymile GmbH Hannover, holger.brunck@keymile.com Valentin Longchamp, Keymile AG, valentin.longchamp@keymile.com  
(C) Copyright 2011-2012 Freescale Semiconductor, Inc.  
(C) Copyright 2011-2012 Avionic Design GmbH <www.avionic-design.de>  
(C) Copyright 2011, Stefano Babic <sbabic@denx.de>  
(C) Copyright 2011 egnite GmbH <info@egnite.de>  
(C) Copyright 2011 einfochips Ltd. <www.einfochips.com> Written-by: Ajay Bhargav <contact@8051projects.net>  
(C) Copyright 2011 Xilinx  
(C) Copyright 2011 Texas Instruments, <www.ti.com>  
(C) Copyright 2011 Texas Instruments Incorporated - http://www.ti.com/ Aneesh V <aneesh@ti.com>  
(C) Copyright 2011 Stefano Babic, DENX Software Engineering, sbabic@denx.de.  
(C) Copyright 2011 NVIDIA Corporation <www.nvidia.com>  
(C) Copyright 2011 Michal Simek  
(C) Copyright 2011 Marvell Inc. Lei Wen <leiwen@marvell.com>  
(C) Copyright 2011 Marvell Inc, <www.marvell.com>  
(C) Copyright 2011 Logic Product Development <www.logicpd.com> Peter Barada <peter.barada@logicpd.com>  
(C) Copyright 2011 Linaro Ryan Harkin, <ryan.harkin@linaro.org>  
(C) Copyright 2011 Joe Hershberger, National Instruments, joe.hershberger@ni.com  
(C) Copyright 2011 Jason Cooper <u-boot@lakedaemon.net>  
(C) Copyright 2011 Ilya Yanok, Emcraft Systems  
(C) Copyright 2011 Ilya Yanok, EmCraft Systems  
(C) Copyright 2011 Helmut Raiger, HALE electronic GmbH, helmut.raiger@hale.at  
(C) Copyright 2011 Heiko Schocher, DENX Software Engineering, hs@denx.de.  
(C) Copyright 2011 Guralp Systems Ltd. Laurence Withers <lwithers@guralp.com>  
(C) Copyright 2011 Graeme Russ, <graeme.russ@gmail.com>  
(C) Copyright 2011 Freescale Semiconductor, Inc. Author: Fabio Estevam <fabio.estevam@freescale.com>  
(C) Copyright 2011 Freescale Semiconductor, Inc.  
(C) Copyright 2011 Freescale Semiconductor, Inc Andy Fleming  
(C) Copyright 2011 Free Electrons David Wagner <david.wagner@free-electrons.com>  
(C) Copyright 2011 Dirk Eibach, Guntermann & Drunck GmbH, dirk.eibach@gdsys.cc  
(C) Copyright 2011 Daniel Schwierzeck, daniel.schwierzeck@googlemail.com.  
(C) Copyright 2011 DENX Software Engineering GmbH Heiko Schocher <hs@denx.de>  
(C) Copyright 2011 CompuLab, Ltd. Mike Rapoport <mike@compulab.co.il> Igor Grinberg <grinberg@compulab.co.il>  
(C) Copyright 2011 Bluewater Systems Author: Andre Renaud <andre@bluewatersys.com> Author: Ryan Mallon <ryan@bluewatersys.com>  
(C) Copyright 2011 Andreas Pretzsch, carpe noctem engineering, apr@cn-eng.de  
(C) Copyright 2011 Andes Technology Corp Macpaul Lin <macpaul@andestech.com>  
(C) Copyright 2011 ARM Limited  
(C) Copyright 2011 - 2012 Samsung Electronics EXT4 filesystem implementation in Uboot by Uma Shankar <uma.shankar@samsung.com> Manjunatha C Achar <a.manjunatha@samsung.com>  
(C) Copyright 2010-2016 Freescale Semiconductor, Inc.  
(C) Copyright 2010-2013 Lukas Roggli, KEYMILE Ltd, lukas.roggli@keymile.com Holger Brunck, Keymile GmbH, holger.bruncl@keymile.com  
(C) Copyright 2010-2012,2015 NVIDIA Corporation <www.nvidia.com>  
(C) Copyright 2010-2012 Texas Instruments, <www.ti.com>  
(C) Copyright 2010-2012 Stefan Roese, DENX Software Engineering, sr@denx.de.  
(C) Copyright 2010-2012 NVIDIA Corporation <www.nvidia.com>  
(C) Copyright 2010-2011 Texas Instruments, <www.ti.com> Mansoor Ahamed <mansoor.ahamed@ti.com>  
(C) Copyright 2010-2011 NVIDIA Corporation <www.nvidia.com>  
(C) Copyright 2010-2011 Heiko Schocher, DENX Software Engineering, hs@denx.de.  
(C) Copyright 2010,2011 Vladimir Khusainov, Emcraft Systems, vlad@emcraft.com  
(C) Copyright 2010, Thomas Chou <thomas@wytron.com.tw>  
(C) Copyright 2010 Vipin Kumar, ST Microelectronics, vipin.kumar@st.com.  
(C) Copyright 2010 Vipin Kumar, ST Micoelectronics, vipin.kumar@st.com.  
(C) Copyright 2010 Texas Instruments, <www.ti.com> Syed Mohammed Khasim <khasim@ti.com>  
(C) Copyright 2010 Texas Instruments, <www.ti.com> Aneesh V <aneesh@ti.com>  
(C) Copyright 2010 Texas Instruments, <www.ti.com>  
(C) Copyright 2010 Texas Instruments Incorporated. Steve Sakoman <steve@sakoman.com>  
(C) Copyright 2010 Texas Instruments Incorporated. Aneesh V <aneesh@ti.com> Steve Sakoman <steve@sakoman.com>  
(C) Copyright 2010 Stefano Babic, DENX Software Engineering, sbabic@denx.de.  
(C) Copyright 2010 Stefano Babic <sbabic@denx.de>  
(C) Copyright 2010 Reinhard Meyer, reinhard.meyer@emk-elektronik.de  
(C) Copyright 2010 Petr Stetiar <ynezz@true.cz>  
(C) Copyright 2010 Michael Zaidman, Kodak, michael.zaidman@kodak.com



(C) Copyright 2010 Marvell Semiconductor <www.marvell.com> Written-by: Prafulla Wadaskar <prafulla@marvell.com>, Contributor: Mahavir Jain <mjain@marvell.com>

(C) Copyright 2010 Marvell Semiconductor <www.marvell.com> Written-by: Prafulla Wadaskar <prafulla@marvell.com>

(C) Copyright 2010 Marvell Semiconductor <www.marvell.com> Contributor: Mahavir Jain <mjain@marvell.com>

(C) Copyright 2010 Marvell Semiconductor <www.marvell.com>

(C) Copyright 2010 Linaro Matt Waddel, <matt.waddel@linaro.org>

(C) Copyright 2010 Linaro LTD, www.linaro.org Author: John Rigby <john.rigby@linaro.org>

(C) Copyright 2010 Linaro LTD, www.linaro.org Author John Rigby <john.rigby@linaro.org>

(C) Copyright 2010 Jason Kridner <jkridner@beagleboard.org>

(C) Copyright 2010 Ilko Iliev <iliev@ronetix.at> Asen Dimov <dimov@ronetix.at> Ronetix GmbH <www.ronetix.at>

(C) Copyright 2010 Heiko Schocher, DENX Software Engineering, hs@denx.de.

(C) Copyright 2010 Faraday Technology Po-Yu Chuang <ratbert@faraday-tech.com>

(C) Copyright 2010 Faraday Technology Dante Su <dantesu@faraday-tech.com>

(C) Copyright 2010 Eastman Kodak Company, <www.kodak.com> Michael Zaidman, <michael.zaidman@kodak.com>

(C) Copyright 2010 Dirk Eibach, Guntermann & Drunck GmbH, eibach@gdsys.de

(C) Copyright 2010 Dirk Eibach, Guntermann & Drunck GmbH, dirk.eibach@gdsys.de

(C) Copyright 2010 Dirk Eibach, Guntermann & Drunck GmbH, dirk.eibach@gdsys.cc

(C) Copyright 2010 DENX Software Engineering Wolfgang Denk <wd@denx.de>

(C) Copyright 2010 Armando Visconti, ST Micoelectronics, <armando.visconti@st.com>.

(C) Copyright 2010 Andes Technology Macpaul Lin <macpaul@andestech.com>

(C) Copyright 2010 Alistair Buxton <a.j.buxton@gmail.com>

(C) Copyright 2010 Achim Ehrlich <aehrllich@taskit.de> taskit GmbH <www.taskit.de>

(C) Copyright 2009-2016 Freescale Semiconductor, Inc.

(C) Copyright 2009-2016 CompuLab, Ltd.

(C) Copyright 2009-2015 Marvell Semiconductor <www.marvell.com>

(C) Copyright 2009-2015 Daniel Gorsulowski <daniel.gorsulowski@esd.eu> esd electronic system design gmbh <www.esd.eu>

(C) Copyright 2009-2014 Gerald Kerma <dreagle@doukki.net> Marvell Semiconductor <www.marvell.com> Written-by: Siddarth Gore <gores@marvell.com>

(C) Copyright 2009-2014 Gerald Kerma <dreagle@doukki.net> Marvell Semiconductor <www.marvell.com> Written-by: Prafulla Wadaskar <prafulla@marvell.com>

(C) Copyright 2009-2013 ADVANSEE

(C) Copyright 2009-2012 Wojciech Dubowik <wojciech.dubowik@neratec.com> Luka Perkov <luka@openwrt.org>

(C) Copyright 2009-2012 ADVANSEE

(C) Copyright 2009-2010 Freescale Semiconductor, Inc.

(C) Copyright 2009, 2011, 2016 Freescale Semiconductor, Inc.

(C) Copyright 2009, 2011 Freescale Semiconductor, Inc.

(C) Copyright 2009 Wolfgang Denk <wd@denx.de>

(C) Copyright 2009 Vipin Kumar, STMicroelectronics, <vipin.kumar@st.com>

(C) Copyright 2009 Vipin Kumar, ST Microelectronics, vipin.kumar@st.com.

(C) Copyright 2009 Vipin Kumar, ST Micoelectronics, vipin.kumar@st.com.

(C) Copyright 2009 Stefano Babic, DENX Software Engineering, sbabic@denx.de.

(C) Copyright 2009 Stefan Roese, DENX Software Engineering, sr@denx.de.

(C) Copyright 2009 Stefan Roese <sr@denx.de>, DENX Software Engineering

(C) Copyright 2009 Sergey Kubushyn, himself, ksi@koi8.net

(C) Copyright 2009 Samsung Electronics Minkyu Kang <mk7.kang@samsung.com> HeungJun Kim <riverful.kim@samsung.com> Inki Dae <inki.dae@samsung.com>

(C) Copyright 2009 Samsung Electronics Minkyu Kang <mk7.kang@samsung.com>

(C) Copyright 2009 SAMSUNG Electronics Minkyu Kang <mk7.kang@samsung.com> Jaehoon Chung <jh80.chung@samsung.com>

(C) Copyright 2009 SAMSUNG Electronics Minkyu Kang <mk7.kang@samsung.com> Heungjun Kim <riverful.kim@samsung.com>

(C) Copyright 2009 Reinhard Arlt, reinhard.arlt@esd-electronics.com

(C) Copyright 2009 Net Insight <www.netinsight.net> Written-by: Simon Kagstrom <simon.kagstrom@netinsight.net>

(C) Copyright 2009 Matthias Kaehlcke <matthias@kaehlcke.net>

(C) Copyright 2009 Marvell Semiconductor <www.marvell.com> Written-by: Prafulla Wadaskar <prafulla@marvell.com>

(C) Copyright 2009 Marvell Semiconductor <www.marvell.com> Prafulla Wadaskar <prafulla@marvell.com>

(C) Copyright 2009 Marvell Semiconductor <www.marvell.com>

(C) Copyright 2009 Magnus Lilja <lilja.magnus@gmail.com>

(C) Copyright 2009 Industrie Dial Face S.p.A. Luigi 'Comio' Mantellini <luigi.mantellini@idf-hit.com>

(C) Copyright 2009 Industrie Dial Face S.p.A.

(C) Copyright 2009 Ilya Yanok, Emcraft Systems Ltd <yanok@emcraft.com>

(C) Copyright 2009 Heiko Schocher, DENX Software Engineering, hs@denx.de

(C) Copyright 2009 Freescale Semiconductor, Inc.

(C) Copyright 2009 Frederik Kriewitz <frederik@kriewitz.eu>

(C) Copyright 2009 Faraday Technology Po-Yu Chuang <ratbert@faraday-tech.com>

(C) Copyright 2009 DENX Software Engineering Author: John Rigby <jrigby@gmail.com>

(C) Copyright 2009 Atin Malaviya (atin.malaviya@gmail.com)

(C) Copyright 2008-2014 Rockchip Electronics Peter, Software Engineering, <superpeter.cai@gmail.com>.

(C) Copyright 2008-2014 Rockchip Electronics

(C) Copyright 2008-2013 Rockchip Electronics Peter, Software Engineering, <superpeter.cai@gmail.com>.

(C) Copyright 2008-2011 Heiko Schocher, DENX Software Engineering, hs@denx.de.  
(C) Copyright 2008-2011 Graeme Russ, <graeme.russ@gmail.com>  
(C) Copyright 2008-2011 Freescale Semiconductor, Inc.  
(C) Copyright 2008-2010 Stefan Roese, DENX Software Engineering, sr@denx.de.  
(C) Copyright 2008-2010 Gražvydas Ignatas <notasas@gmail.com>  
(C) Copyright 2008-2010 Freescale Semiconductor, Inc. Terry Lv  
(C) Copyright 2008-2010 Freescale Semiconductor, Inc.  
(C) Copyright 2008-2009 Stefan Roese, DENX Software Engineering, sr@denx.de.  
(C) Copyright 2008-2009 Freescale Semiconductor, Inc.  
(C) Copyright 2008,2009 Eric Jarrige <eric.jarrige@armadeus.org>  
(C) Copyright 2008, Excito Elektronik i Sk=E5ne AB  
(C) Copyright 2008 Wolfgang Denk, DENX Software Engineering, wd@denx.de.  
(C) Copyright 2008 Ulf Samuelsson <ulf.samuelsson@atmel.com>  
(C) Copyright 2008 Tor Krill, Excito Elektronik i Skåne , tor@excito.com  
(C) Copyright 2008 Texas Instrumts  
(C) Copyright 2008 Texas Instruments, <www.ti.com> Syed Mohammed Khasim <khasim@ti.com>  
(C) Copyright 2008 Texas Instruments, <www.ti.com> Sukumar Ghorai <s-ghorai@ti.com>  
(C) Copyright 2008 Texas Instruments, <www.ti.com>  
(C) Copyright 2008 Texas Instruments Incorporated.  
(C) Copyright 2008 Stuart Wood, Lab X Technologies <stuart.wood@labxtechnologies.com>  
(C) Copyright 2008 Stefan Roese, DENX Software Engineering, sr@denx.de.  
(C) Copyright 2008 Sergei Poselenov, Emcraft Systems, sposelenov@emcraft.com.  
(C) Copyright 2008 Semihalf  
(C) Copyright 2008 Niklaus Giger, niklaus.giger@member.fsf.org  
(C) Copyright 2008 Maxim Artamonov, <scn1874 at yandex.ru>  
(C) Copyright 2008 Marvell Semiconductor <www.marvell.com> Written-by: Prafulla Wadaskar <prafulla@marvell.com>  
(C) Copyright 2008 Magnus Lilja <lilja.magnus@gmail.com>  
(C) Copyright 2008 Heiko Schocher, DENX Software Engineering, hs@denx.de.  
(C) Copyright 2008 Harald Welte, OpenMoko, Inc., Harald Welte <laforge@openmoko.org>  
(C) Copyright 2008 Gururaja Hebbar gururajakr@sanyo.co.in  
(C) Copyright 2008 Guennadi Liakhovetski, DENX Software Engineering, lg@denx.de.  
(C) Copyright 2008 Guennadi Liakhovetki, DENX Software Engineering, lg@denx.de.  
(C) Copyright 2008 Graeme Russ, graeme.russ@gmail.com.  
(C) Copyright 2008 Gary Jennejohn, DENX Software Engineering GmbH, garyj@denx.de.  
(C) Copyright 2008 Eric Jarrige <eric.jarrige@armadeus.org>  
(C) Copyright 2008 Benjamin Warren, biggerbadderben@gmail.com  
(C) Copyright 2008 Atmel Corporation  
(C) Copyright 2008 Armadeus Systems nc  
(C) Copyright 2008 - 2015 Michal Simek <monstr@monstr.eu>  
(C) Copyright 2008 - 2009 Windriver, <www.windriver.com> Tom Rix <Tom.Rix@windriver.com>  
(C) Copyright 2007-2013 Stelian Pop <stelian.pop@leadtechdesign.com> Lead Tech Design <www.leadtechdesign.com>  
Thomas Petazzoni, Free Electrons, <thomas.petazzoni@free-electrons.com> Mateusz Kulikowski  
<mateusz.kulikowski@gmail.com>  
(C) Copyright 2007-2011 Allwinner Technology Co., Ltd. <www.allwinnertech.com> Tom Cubie  
<tangliang@allwinnertech.com>  
(C) Copyright 2007-2011 Allwinner Technology Co., Ltd. <www.allwinnertech.com> Aaron  
<leafy.myeh@allwinnertech.com>  
(C) Copyright 2007-2010 Michal Simek  
(C) Copyright 2007-2009 Michal Simek  
(C) Copyright 2007-2008 Stelian Pop <stelian@popies.net> Lead Tech Design <www.leadtechdesign.com> Ilko Iliev  
<www.ronetix.at>  
(C) Copyright 2007-2008 Stelian Pop <stelian@popies.net> Lead Tech Design <www.leadtechdesign.com>  
(C) Copyright 2007-2008 Semihalf, Rafal Jaworowski <raj@semihalf.com>  
(C) Copyright 2007-2008 Semihalf  
(C) Copyright 2007 by OpenMoko, Inc. Author: Harald Welte <laforge@openmoko.org>  
(C) Copyright 2007 Zhang Wei, Freescale Semiconductor, Inc. <wei.zhang@freescale.com>  
(C) Copyright 2007 Wolfgang Denk, DENX Software Engineering, wd@denx.de.  
(C) Copyright 2007 Stelian Pop <stelian@popies.net> Lead Tech Design <www.leadtechdesign.com>  
(C) Copyright 2007 Stefan Roese, DENX Software Engineering, sr@denx.de.  
(C) Copyright 2007 Stanislav Galabov <sgalabov@gmail.com>  
(C) Copyright 2007 Sergey Kubushyn <ksi@koi8.net>  
(C) Copyright 2007 Semihalf  
(C) Copyright 2007 Sascha Hauer, Pengutronix  
(C) Copyright 2007 Pengutronix, Sascha Hauer <s.hauer@pengutronix.de>  
(C) Copyright 2007 Pengutronix, Juergen Beisert <j.beisert@pengutronix.de>  
(C) Copyright 2007 OpenMoko, Inc. Written by Harald Welte <laforge@openmoko.org>  
(C) Copyright 2007 Michal Simek  
(C) Copyright 2007 Michael Schwingen, <michael@schwingen.org>  
(C) Copyright 2007 Matthias Fuchs, esd gmbh, matthias.fuchs@esd-electronics.com.  
(C) Copyright 2007 Larry Johnson, lrj@acm.org  
(C) Copyright 2007 Heiko Schocher, DENX Software Engineering, <hs@denx.de>

(C) Copyright 2007 Gerald Van Baren, Custom IDEAS, vanbaren@cideas.com Based on code written by: Pantelis Antoniou <pantelis.antoniou@gmail.com> and Matthew McClintock <msm@freescale.com>

(C) Copyright 2007 Gerald Van Baren, Custom IDEAS, vanbaren@cideas.com

(C) Copyright 2007 Freescale Semiconductor Inc. TsiChung Liew (Tsi-Chung.Liew@freescale.com)

(C) Copyright 2007 Eran Liberty, Extricom, eran.liberty@gmail.com

(C) Copyright 2007 DENX Software Engineering, Anatolij Gustschin, agust@denx.de

(C) Copyright 2006-2010 Wolfgang Denk, DENX Software Engineering, wd@denx.de.

(C) Copyright 2006-2009 Wolfgang Denk, DENX Software Engineering, wd@denx.de.

(C) Copyright 2006-2008 Texas Instruments, <www.ti.com> Richard Woodruff <r-woodruff2@ti.com> Syed Mohammed Khasim <x0khasim@ti.com> Nishanth Menon <nm@ti.com>

(C) Copyright 2006-2008 Texas Instruments, <www.ti.com> Richard Woodruff <r-woodruff2@ti.com> Syed Mohammed Khasim <x0khasim@ti.com>

(C) Copyright 2006-2008 Stefan Roese, DENX Software Engineering, sr@denx.de.

(C) Copyright 2006-2008 Stefan Roese, DENX Software Engineering, sr at denx.de.

(C) Copyright 2006-2007 OpenMoko, Inc. Added 16-bit nand support

(C) Copyright 2006 by Harald Welte <hwelte at hmw-consulting.de>

(C) Copyright 2006 Wolfgang Denk, DENX Software Engineering, wd@denx.de.

(C) Copyright 2006 Vipin Kumar, ST Micoelectronics, vipin.kumar@st.com.

(C) Copyright 2006 Markus Klotzbuecher, mk@denx.de

(C) Copyright 2006 Markus Klotzbuecher, DENX Software Engineering <mk@denx.de>

(C) Copyright 2006 KwikByte <kb9200\_dev@kwikbyte.com>

(C) Copyright 2006 Detlev Zundel, dzu@denx.de

(C) Copyright 2006 DENX Software Engineering <mk@denx.de>

(C) Copyright 2006 DENX Software Engineering

(C) Copyright 2006 Bryan O'Donoghue, deckard@codehermit.ie, CodeHermit

(C) Copyright 2006 Bryan O'Donoghue, deckard@CodeHermit.ie

(C) Copyright 2006 Bryan O'Donoghue, bodonoghue@codehermit.ie, CodeHermit

(C) Copyright 2006 Bryan O'Donoghue, bodonoghue@codehermit.ie

(C) Copyright 2006 ATMEL Rousset, Lacressonniere Nicolas

(C) Copyright 2005-2010 Freescale Semiconductor, Inc.

(C) Copyright 2005-2009 Samsung Electronics Kyungmin Park <kyungmin.park@samsung.com>

(C) Copyright 2005-2009 Jens Scharsig @ BuS Elektronik GmbH & Co. KG, <esw@bus-elektronik.de>

(C) Copyright 2005-2009 Freescale Semiconductor, Inc.

(C) Copyright 2005-2009 BuS Elektronik GmbH & Co.KG <esw@bus-elektronik.de>

(C) Copyright 2005, Psyent Corporation <www.psyent.com> Scott McNutt <smcnutt@psyent.com>

(C) Copyright 2005 Wolfgang Denk, DENX Software Engineering, wd@denx.de.

(C) Copyright 2005 JinHua Luo, GuangDong Linux Center, <luo.jinhua@gd-linux.com>

(C) Copyright 2005 Eric Benard ebenard@eukrea.com

(C) Copyright 2005 ARM Ltd. Peter Pearse, <Peter.Pearse@arm.com>

(C) Copyright 2005 2N Telekomunikace, a.s. <www.2n.cz> Ladislav Michl <michl@2n.cz>

(C) Copyright 2004-2014 Texas Instruments, <www.ti.com>

(C) Copyright 2004-2010 Texas Instruments, <www.ti.com>

(C) Copyright 2004-2010 Freescale Semiconductor, Inc.

(C) Copyright 2004-2009 Freescale Semiconductor, Inc.

(C) Copyright 2004-2008 Texas Instruments, <www.ti.com> Rohit Choraria <rohitkc@ti.com>

(C) Copyright 2004-2008 Texas Instruments, <www.ti.com>

(C) Copyright 2004-2007 Freescale Semiconductor, Inc. TsiChung Liew, Tsi-Chung.Liew@freescale.com.

(C) Copyright 2004-2006 Wolfgang Denk, DENX Software Engineering, wd@denx.de.

(C) Copyright 2004, Li-Pro.Net <www.li-pro.net> Stephan Linz <linz@li-pro.net>

(C) Copyright 2004 esd gmbh <www.esd-electronics.com> Reinhard Arlt <reinhard.arlt@esd-electronics.com>

(C) Copyright 2004 Wolfgang Denk, DENX Software Engineering, wd@denx.de.

(C) Copyright 2004 Texas Instruments

(C) Copyright 2004 Texas Instruments. Richard Woodruff <r-woodruff2@ti.com> Kshitij Gupta <kshitij@ti.com>

(C) Copyright 2004 Stefan Roese, esd gmbh germany, stefan.roese@esd-electronics.com

(C) Copyright 2004 Robin Getz rgetz@blacfin.uclinux.org

(C) Copyright 2004 Psyent Corporation <www.psyent.com> Scott McNutt <smcnutt@psyent.com>

(C) Copyright 2004 Pierre Aubert, Staubli Faverges , <p.aubert@staubli.com>

(C) Copyright 2004 Philippe Robin, ARM Ltd. <philippe.robin@arm.com>

(C) Copyright 2004 Jian Zhang, Texas Instruments, jzhang@ti.com.

(C) Copyright 2004 DENX Software Engineering, Wolfgang Denk, wd@denx.de

(C) Copyright 2004 DAVE Srl http://www.dave-tech.it http://www.wawnet.biz mailto:info@wawnet.biz

(C) Copyright 2004 Atmark Techno, Inc. Yasushi SHOJI <yashi@atmark-techno.com>

(C) Copyright 2004 ARM Ltd. Philippe Robin, <philippe.robin@arm.com>

(C) Copyright 2003-2006 Wolfgang Denk, DENX Software Engineering, wd@denx.de.

(C) Copyright 2003, Psyent Corporation <www.psyent.com> Scott McNutt <smcnutt@psyent.com>

(C) Copyright 2003, Motorola, Inc. maintained by Xianghua Xiao (x.xiao@motorola.com) author Andy Fleming

(C) Copyright 2003, Motorola, Inc. author Andy Fleming

(C) Copyright 2003, 2004 ARM Ltd. Philippe Robin, <philippe.robin@arm.com>

(C) Copyright 2003 Xilinx Inc.

(C) Copyright 2003 Wolfgang Denk, DENX Software Engineering, wd@denx.de.

(C) Copyright 2003 Texas Instruments. Kshitij Gupta <kshitij@ti.com>

(C) Copyright 2003 Texas Instruments <www.ti.com>  
(C) Copyright 2003 Tait Electronics Limited, Christchurch, New Zealand  
(C) Copyright 2003 Sysgo Real-Time Solutions, AG <www.elinos.com> Pavel Bartusek <pba@sysgo.de>  
(C) Copyright 2003 Steven Scholz, imc Measurement & Control, steven.scholz@imc-berlin.de  
(C) Copyright 2003 Stefan Roese, stefan.roese@esd-electronics.com  
(C) Copyright 2003 Pengutronix e.K. Robert Schwebel <r.schwebel@pengutronix.de>  
(C) Copyright 2003 Pavel Bartusek, Sysgo Real-Time Solutions AG, pba@sysgo.de  
(C) Copyright 2003 Orbacom Systems, Inc.  
(C) Copyright 2003 Kyle Harris, kharris@nexus-tech.net  
(C) Copyright 2003 Kyle Harris, Nexus Technologies, Inc. kharris@nexus-tech.net  
(C) Copyright 2003 Kai-Uwe Bloem, Auerswald GmbH & Co KG, <linux-development@auerswald.de>  
(C) Copyright 2003 Josef Baumgartner <josef.baumgartner@telex.de>  
(C) Copyright 2003 Ingo Assmus <ingo.assmus@keymile.com>  
(C) Copyright 2003 Hamid Ikdoumi (Atmel)  
(C) Copyright 2003 Gerry Hamel, geh@ti.com, Texas Instruments  
(C) Copyright 2003 Gary Jennejohn, DENX Software Engineering <garyj@denx.de>  
(C) Copyright 2003 David Müller ELSOFT AG Switzerland. d.mueller@elsoft.ch  
(C) Copyright 2003 - 2004 Sysgo Real-Time Solutions, AG <www.elinos.com> Pavel Bartusek <pba@sysgo.com>  
(C) Copyright 2003 - 2004 Sysgo AG, <www.elinos.com>, Pavel Bartusek <pba@sysgo.com>  
(C) Copyright 2002-2010 Wolfgang Denk, DENX Software Engineering, wd@denx.de.  
(C) Copyright 2002-2008 Wolfgang Denk, DENX Software Engineering, wd@denx.de.  
(C) Copyright 2002-2007 Wolfgang Denk, DENX Software Engineering, wd@denx.de.  
(C) Copyright 2002-2006 Wolfgang Denk, DENX Software Engineering, wd@denx.de.  
(C) Copyright 2002-2004 by David Brownell All Rights Reserved.  
(C) Copyright 2002-2004 Gary Jennejohn, DENX Software Engineering, <garyj@denx.de>  
(C) Copyright 2002-2004 Brad Kemp, Serano Networks, Brad.Kemp@serano.com  
(C) Copyright 2002,2003 Motorola Inc. Xianghua Xiao <X.Xiao@motorola.com>  
(C) Copyright 2002 Wolfgang Grandegger, wg@denx.de.  
(C) Copyright 2002 Wolfgang Denk, DENX Software Engineering, wd@denx.de. Wolfgang Grandegger, DENX Software Engineering, wg@denx.de.  
(C) Copyright 2002 Wolfgang Denk, DENX Software Engineering, wd@denx.de.  
(C) Copyright 2002 Sysgo Real-Time Solutions, GmbH <www.elinos.com> Rolf Offermanns <rof@sysgo.de>  
(C) Copyright 2002 Sysgo Real-Time Solutions, GmbH <www.elinos.com> Marius Groeger <mgroeger@sysgo.de>  
(C) Copyright 2002 Sysgo Real-Time Solutions, GmbH <www.elinos.com> Alex Zuepke <azu@sysgo.de>  
(C) Copyright 2002 SIXNET, dge@sixnetio.com.  
(C) Copyright 2002 Robert Schwebel, Pengutronix, <r.schwebel@pengutronix.de>  
(C) Copyright 2002 Richard Jones, rjones@nexus-tech.net  
(C) Copyright 2002 Rich Ireland, Enterasys Networks, rireland@enterasys.com. Keith Outwater, keith\_outwater@mvis.com  
(C) Copyright 2002 Rich Ireland, Enterasys Networks, rireland@enterasys.com.  
(C) Copyright 2002 Gerald Van Baren, Custom IDEAS, vanbaren@cideas.com.  
(C) Copyright 2002 Gary Jennejohn, DENX Software Engineering, <gj@denx.de>  
(C) Copyright 2002 Gary Jennejohn, DENX Software Engineering, <garyj@denx.de>  
(C) Copyright 2002 ELTEC Elektronik AG Frank Gottschling <fgottschling@eltec.de>  
(C) Copyright 2002 Detlev Zundel, DENX Software Engineering, dzu@denx.de.  
(C) Copyright 2002 David Mueller, ELSOFT AG, <d.mueller@elsoft.ch>  
(C) Copyright 2002 Daniel Engström, Omicron Ceti AB, <daniel@omicron.se>  
(C) Copyright 2002 Andrew May, Viasat Inc, amay@viasat.com  
(C) Copyright 2002 ARIODATA Networks, Inc. dchiu@ariodata.com  
(C) Copyright 2002 2003 Adam Bezanson, Network Audio Technologies, Inc. bezanson@netaudiotech.com>  
(C) Copyright 2001-2015 Wolfgang Denk, DENX Software Engineering, wd@denx.de. Joe Hershberger, National Instruments  
(C) Copyright 2001-2015 DENX Software Engineering -- wd@denx.de Compulab Ltd - <http://compulab.co.il/> Bernecker & Rainer Industrietechnik GmbH - <http://www.br-automation.com>  
(C) Copyright 2001-2008 Wolfgang Denk, DENX Software Engineering, wd@denx.de. Keith Outwater, keith\_outwater@mvis.com`  
(C) Copyright 2001-2006 Wolfgang Denk, DENX Software Engineering, wd@denx.de.  
(C) Copyright 2001-2003 Wolfgang Denk, DENX Software Engineering, wd@denx.de. Keith Outwater, keith\_outwater@mvis.com` Steven Scholz, steven.scholz@imc-berlin.de  
(C) Copyright 2001-2002 Wolfgang Denk, DENX Software Engineering, wd@denx.de.  
(C) Copyright 2001-2002 Wolfgang Denk, DENX Software Engineering wd@denx.de  
(C) Copyright 2001 Wolfgang Denk, DENX Software Engineering, wd@denx.de.  
(C) Copyright 2001 Sysgo Real-Time Solutions, GmbH <www.elinos.com> Andreas Heppel <aheppel@sysgo.de>  
(C) Copyright 2001 Raymond Lo, lo@routefree.com Wolfgang Denk, DENX Software Engineering, wd@denx.de.  
(C) Copyright 2001 Paolo Scaffardi, AIRVENT SAM s.p.a - RIMINI(ITALY), arsenio@tin.it  
(C) Copyright 2001 Murray Jensen <Murray.Jensen@cmst.csiro.au>  
(C) Copyright 2001 Linus Torvalds  
(C) Copyright 2001 Kyle Harris, kharris@nexus-tech.net  
(C) Copyright 2001 Hans-Joerg Frieden, Hyperion Entertainment Hans-JoergF@hyperion-entertainment.com  
(C) Copyright 2001 Gerald Van Baren, Custom IDEAS, vanbaren@cideas.com.  
(C) Copyright 2001 Erik Theisen, Wave 7 Optics, etheisen@mindspring.com.  
(C) Copyright 2001 Denis Peter, MPL AG Switzerland. d.peter@mpl.ch.

(C) Copyright 2001 Denis Peter, MPL AG Switzerland  
(C) Copyright 2001 ARIOD Data Networks, Inc. dchiu@ariodata.com  
(C) Copyright 2000-2013 Wolfgang Denk, DENX Software Engineering, wd@denx.de.  
(C) Copyright 2000-2011 Wolfgang Denk, DENX Software Engineering, wd@denx.de.  
(C) Copyright 2000-2010 Wolfgang Denk, DENX Software Engineering, wd@denx.de.  
(C) Copyright 2000-2009 Wolfgang Denk, DENX Software Engineering, wd@denx.de.  
(C) Copyright 2000-2009 Viresh Kumar, ST Microelectronics, viresh.kumar@st.com Vipin Kumar, ST Microelectronics, vipin.kumar@st.com  
(C) Copyright 2000-2009 Vipin Kumar, ST Microelectronics, vipin.kumar@st.com  
(C) Copyright 2000-2009 DENX Software Engineering Wolfgang Denk, wd@denx.de  
(C) Copyright 2000-2008 Wolfgang Denk, DENX Software Engineering, wd@denx.de.  
(C) Copyright 2000-2007 Wolfgang Denk, DENX Software Engineering, wd@denx.de.  
(C) Copyright 2000-2006 Wolfgang Denk, DENX Software Engineering, wd@denx.de.  
(C) Copyright 2000-2005 Wolfgang Denk, DENX Software Engineering, wd@denx.de.  
(C) Copyright 2000-2004 Wolfgang Denk, DENX Software Engineering, wd@denx.de.  
(C) Copyright 2000-2004 DENX Software Engineering Wolfgang Denk, wd@denx.de.  
(C) Copyright 2000-2003 Wolfgang Denk, DENX Software Engineering, wd@denx.de.  
(C) Copyright 2000-2002 Wolfgang Denk, DENX Software Engineering, wd@denx.de.  
(C) Copyright 2000-2002 David Brownell  
(C) Copyright 2000-2001 David Brownell <dbrownell@users.sourceforge.net>  
(C) Copyright 2000, 2001, 2002 Wolfgang Denk, DENX Software Engineering, wd@denx.de.  
(C) Copyright 2000, 2001 Wolfgang Denk, DENX Software Engineering, wd@denx.de.  
(C) Copyright 2000, 2001 Rich Ireland, Enterasys Networks, rireland@enterasys.com.  
(C) Copyright 2000 Wolfgang Denk, DENX Software Engineering, wd@denx.de.  
(C) Copyright 2000 Sysgo Real-Time Solutions, GmbH <www.elinos.com> Marius Groeger <mgroeger@sysgo.de>  
(C) Copyright 2000 Sysgo Real-Time Solutions GmbH Klein-Winternheim, Germany  
(C) Copyright 2000 Subodh Nijssure, SkyStream Networks, snijssure@skystream.com  
(C) Copyright 2000 Rob Taylor, Flying Pig Systems. robt@flyingpig.com.  
(C) Copyright 2000 Paolo Scaffardi, AIRVENT SAM s.p.a - RIMINI(ITALY), arsenio@tin.it  
(C) Copyright 2000 Murray Jensen <Murray.Jensen@csiro.au>  
(C) Copyright 2000 Hans-Joerg Frieden, Hyperion Entertainment Hans-JoergF@hyperion-entertainment.com  
(C) Copyright 1999 Roman Weissgaerber <weissg@vienna.at>  
(C) Copyright 1997-2002 ELTEC Elektronik AG Frank Gottschling <fgottschling@eltec.de>  
(C) 2019 Theobroma Systems Design und Consulting GmbH  
(C) 2019 Angelo Dureghello <angelo.dureghello@timesys.com>  
(C) 2018 Theobroma Systems Design und Consulting GmbH  
(C) 2017 Theobroma Systems Design und Consulting GmbH  
(C) 2015 Siarhei Siamashka <siarhei.siamashka@gmail.com>  
(C) 2015 Hans de Goede <hdegoede@redhat.com>  
(C) 2014 Linaro Ltd. <ard.biesheuvel@linaro.org>  
(C) 2012 Texas Instruments  
(C) 2012 Stephen Warren  
(C) 2012 Oleksandr Tymoshenko  
(C) 2012 NetModule AG, David Andrey  
(C) 2012 Michel Lespinasse <walken@google.com>  
(C) 2010 Nanometrics, Inc.  
(C) 2009 by Detlev Zundel, DENX Software Engineering GmbH  
(C) 2009 Samsung Electronics Author: Michal Nazarewicz (m.nazarewicz@samsung.com)  
(C) 2009 Ben Warren , biggerbadderben@gmail.com  
(C) 2007 by OpenMoko, Inc. Author: Harald Welte <laforge@openmoko.org>  
(C) 2005 Wind River Systems  
(C) 2004 Texas Instruments  
(C) 2003 Wolfgang Denk, wd@denx.de  
(C) 2003 Arun Dharankar <ADharankar@ATTBI.Com>  
(C) 2002 David Woodhouse <dwmw2@infradead.org>  
(C) 2001-2006 Red Hat, Inc.  
(C) 2000 by Paolo Scaffardi (arsenio@tin.it) AIRVENT SAM s.p.a - RIMINI(ITALY)  
(C) 2000 Red Hat. GPL'd. Occasionally maintained by Thayne Harbaugh tharbaugh at Inxi dot com  
(C) 2000 Nicolas Pitre <nico@fluxnic.net>  
(C) 1999 Andrea Arcangeli <andrea@suse.de>  
(C) 1998,1999 Kenneth Albanowski, D. Jeff Dionne  
(C) 1998 Gabriel Paubert, paubert@iram.es

=====  
imx-atf-2.2+gitAUTOINC+cfccd003a1-r0-patched.tar.gz  
-----  
=====

MAIN LICENSES

-----  
BSD-3-Clause

Copyright (c) <year> <owner>. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of the copyright holder nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

-----  
=====

OTHER LICENSES

-----  
ISC-Style

Permission to use, copy, modify, and distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS" AND THE AUTHOR DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

-----  
ISC

ISC License Copyright (c) 2004-2010 by Internet Systems Consortium, Inc. ("ISC")

Copyright (c) 1995-2003 by Internet Software Consortium

Permission to use, copy, modify, and /or distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS" AND ISC DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL ISC BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

-----  
NCSA

University of Illinois/NCSA Open Source License Copyright (c) <Year> <Owner Organization Name>. All rights reserved.

Developed by:

<Name of Development Group>

<Name of Institution>

<URL for Development Group/Institution>

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal with the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

\* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimers.

\* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimers in the documentation and/or other materials provided with the distribution.

\* Neither the names of <Name of Development Group, Name of Institution> , nor the names of its contributors may be used to endorse or promote products derived from this Software without specific prior written permission.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE CONTRIBUTORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS WITH THE SOFTWARE.

-----  
GFDL-1.2

GNU Free Documentation License

Version 1.2, November 2002

Copyright (C) 2000,2001,2002 Free Software Foundation, Inc. 51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

## 0. PREAMBLE

The purpose of this License is to make a manual, textbook, or other functional and useful document "free" in the sense of freedom: to assure everyone the effective freedom to copy and redistribute it, with or without modifying it, either commercially or noncommercially. Secondly, this License preserves for the author and publisher a way to get credit for their work, while not being considered responsible for modifications made by others.

This License is a kind of "copyleft", which means that derivative works of the document must themselves be free in the same sense. It complements the GNU General Public License, which is a copyleft license designed for free software.

We have designed this License in order to use it for manuals for free software, because free software needs free documentation: a free program should come with manuals providing the same freedoms that the software does. But this License is not limited to software manuals; it can be used for any textual work, regardless of subject matter or whether it is published as a printed book. We recommend this License principally for works whose purpose is instruction or reference.

## 1. APPLICABILITY AND DEFINITIONS

This License applies to any manual or other work, in any medium, that contains a notice placed by the copyright holder saying it can be distributed under the terms of this License. Such a notice grants a world-wide, royalty-free license, unlimited in duration, to use that work under the conditions stated herein. The "Document", below, refers to any such manual or work. Any member of the public is a licensee, and is addressed as "you". You accept the license if you copy, modify or distribute the work in a way requiring permission under copyright law.

A "Modified Version" of the Document means any work containing the Document or a portion of it, either copied verbatim, or with modifications and/or translated into another language.

A "Secondary Section" is a named appendix or a front-matter section of the Document that deals exclusively with the relationship of the publishers or authors of the Document to the Document's overall subject (or to related matters) and contains nothing that could fall directly within that overall subject. (Thus, if the Document is in part a textbook of mathematics, a Secondary Section may not explain any mathematics.) The relationship could be a matter of historical

connection with the subject or with related matters, or of legal, commercial, philosophical, ethical or political position regarding them.

The "Invariant Sections" are certain Secondary Sections whose titles are designated, as being those of Invariant Sections, in the notice that says that the Document is released under this License. If a section does not fit the above definition of Secondary then it is not allowed to be designated as Invariant. The Document may contain zero Invariant Sections. If the Document does not identify any Invariant Sections then there are none.

The "Cover Texts" are certain short passages of text that are listed, as Front-Cover Texts or Back-Cover Texts, in the notice that says that the Document is released under this License. A Front-Cover Text may be at most 5 words, and a Back-Cover Text may be at most 25 words.

A "Transparent" copy of the Document means a machine-readable copy, represented in a format whose specification is available to the general public, that is suitable for revising the document straightforwardly with generic text editors or (for images composed of pixels) generic paint programs or (for drawings) some widely available drawing editor, and that is suitable for input to text formatters or for automatic translation to a variety of formats suitable for input to text formatters. A copy made in an otherwise Transparent file format whose markup, or absence of markup, has been arranged to thwart or discourage subsequent modification by readers is not Transparent. An image format is not Transparent if used for any substantial amount of text. A copy that is not "Transparent" is called "Opaque".

Examples of suitable formats for Transparent copies include plain ASCII without markup, Texinfo input format, LaTeX input format, SGML or XML using a publicly available DTD, and standard-conforming simple HTML, PostScript or PDF designed for human modification. Examples of transparent image formats include PNG, XCF and JPG. Opaque formats include proprietary formats that can be read and edited only by proprietary word processors, SGML or XML for which the DTD and/or processing tools are not generally available, and the machine-generated HTML, PostScript or PDF produced by some word processors for output purposes only.

The "Title Page" means, for a printed book, the title page itself, plus such following pages as are needed to hold, legibly, the material this License requires to appear in the title page. For works in formats which do not have any title page as such, "Title Page" means the text near the most prominent appearance of the work's title, preceding the beginning of the body of the text.

A section "Entitled XYZ" means a named subunit of the Document whose title either is precisely XYZ or contains XYZ in parentheses following text that translates XYZ in another language. (Here XYZ stands for a specific section name mentioned below, such as "Acknowledgements", "Dedications", "Endorsements", or "History".) To "Preserve the Title" of such a section when you modify the Document means that it remains a section "Entitled XYZ" according to this definition.

The Document may include Warranty Disclaimers next to the notice which states that this License applies to the Document. These Warranty Disclaimers are considered to be included by reference in this License, but only as regards disclaiming warranties: any other implication that these Warranty Disclaimers may have is void and has no effect on the meaning of this License.

## 2. VERBATIM COPYING

You may copy and distribute the Document in any medium, either commercially or noncommercially, provided that this License, the copyright notices, and the license notice saying this License applies to the Document are reproduced in all copies, and that you add no other conditions whatsoever to those of this License. You may not use technical measures to obstruct or control the reading or further copying of the copies you make or distribute. However, you may accept compensation in exchange for copies. If you distribute a large enough number of copies you must also follow the conditions in section 3.

You may also lend copies, under the same conditions stated above, and you may publicly display copies.

## 3. COPYING IN QUANTITY

If you publish printed copies (or copies in media that commonly have printed covers) of the Document, numbering more than 100, and the Document's license notice requires Cover Texts, you must enclose the copies in covers that carry, clearly and legibly, all these Cover Texts: Front-Cover Texts on the front cover, and Back-Cover Texts on the back cover. Both covers must also clearly and legibly identify you as the publisher of these copies. The front cover must present the full title with all words of the title equally prominent and visible. You may add other material on the covers in addition. Copying with changes limited to the covers, as long as they preserve the title of the Document and satisfy these conditions, can be treated as verbatim copying in other respects.

If the required texts for either cover are too voluminous to fit legibly, you should put the first ones listed (as many as fit reasonably) on the actual cover, and continue the rest onto adjacent pages.

If you publish or distribute Opaque copies of the Document numbering more than 100, you must either include a machine-readable Transparent copy along with each Opaque copy, or state in or with each Opaque copy a computer-network location from which the general network-using public has access to download using public-standard network protocols a complete Transparent copy of the Document, free of added material. If you use the latter option, you must take reasonably prudent steps, when you begin distribution of Opaque copies in quantity, to ensure that this Transparent copy



will remain thus accessible at the stated location until at least one year after the last time you distribute an Opaque copy (directly or through your agents or retailers) of that edition to the public.

It is requested, but not required, that you contact the authors of the Document well before redistributing any large number of copies, to give them a chance to provide you with an updated version of the Document.

#### 4. MODIFICATIONS

You may copy and distribute a Modified Version of the Document under the conditions of sections 2 and 3 above, provided that you release the Modified Version under precisely this License, with the Modified Version filling the role of the Document, thus licensing distribution and modification of the Modified Version to whoever possesses a copy of it. In addition, you must do these things in the Modified Version:

A. Use in the Title Page (and on the covers, if any) a title distinct from that of the Document, and from those of previous versions (which should, if there were any, be listed in the History section of the Document). You may use the same title as a previous version if the original publisher of that version gives permission.

B. List on the Title Page, as authors, one or more persons or entities responsible for authorship of the modifications in the Modified Version, together with at least five of the principal authors of the Document (all of its principal authors, if it has fewer than five), unless they release you from this requirement.

C. State on the Title page the name of the publisher of the Modified Version, as the publisher.

D. Preserve all the copyright notices of the Document.

E. Add an appropriate copyright notice for your modifications adjacent to the other copyright notices.

F. Include, immediately after the copyright notices, a license notice giving the public permission to use the Modified Version under the terms of this License, in the form shown in the Addendum below.

G. Preserve in that license notice the full lists of Invariant Sections and required Cover Texts given in the Document's license notice.

H. Include an unaltered copy of this License.

I. Preserve the section Entitled "History", Preserve its Title, and add to it an item stating at least the title, year, new authors, and publisher of the Modified Version as given on the Title Page. If there is no section Entitled "History" in the Document, create one stating the title, year, authors, and publisher of the Document as given on its Title Page, then add an item describing the Modified Version as stated in the previous sentence.

J. Preserve the network location, if any, given in the Document for public access to a Transparent copy of the Document, and likewise the network locations given in the Document for previous versions it was based on. These may be placed in the "History" section. You may omit a network location for a work that was published at least four years before the Document itself, or if the original publisher of the version it refers to gives permission.

K. For any section Entitled "Acknowledgements" or "Dedications", Preserve the Title of the section, and preserve in the section all the substance and tone of each of the contributor acknowledgements and/or dedications given therein.

L. Preserve all the Invariant Sections of the Document, unaltered in their text and in their titles. Section numbers or the equivalent are not considered part of the section titles.

M. Delete any section Entitled "Endorsements". Such a section may not be included in the Modified Version.

N. Do not retitle any existing section to be Entitled "Endorsements" or to conflict in title with any Invariant Section.

O. Preserve any Warranty Disclaimers.

If the Modified Version includes new front-matter sections or appendices that qualify as Secondary Sections and contain no material copied from the Document, you may at your option designate some or all of these sections as invariant. To do this, add their titles to the list of Invariant Sections in the Modified Version's license notice. These titles must be distinct from any other section titles.

You may add a section Entitled "Endorsements", provided it contains nothing but endorsements of your Modified Version by various parties--for example, statements of peer review or that the text has been approved by an organization as the authoritative definition of a standard.

You may add a passage of up to five words as a Front-Cover Text, and a passage of up to 25 words as a Back-Cover Text, to the end of the list of Cover Texts in the Modified Version. Only one passage of Front-Cover Text and one of Back-Cover Text may be added by (or through arrangements made by) any one entity. If the Document already includes a cover text for the same cover, previously added by you or by arrangement made by the same entity you are acting on behalf of, you

may not add another; but you may replace the old one, on explicit permission from the previous publisher that added the old one.

The author(s) and publisher(s) of the Document do not by this License give permission to use their names for publicity for or to assert or imply endorsement of any Modified Version.

## 5. COMBINING DOCUMENTS

You may combine the Document with other documents released under this License, under the terms defined in section 4 above for modified versions, provided that you include in the combination all of the Invariant Sections of all of the original documents, unmodified, and list them all as Invariant Sections of your combined work in its license notice, and that you preserve all their Warranty Disclaimers.

The combined work need only contain one copy of this License, and multiple identical Invariant Sections may be replaced with a single copy. If there are multiple Invariant Sections with the same name but different contents, make the title of each such section unique by adding at the end of it, in parentheses, the name of the original author or publisher of that section if known, or else a unique number. Make the same adjustment to the section titles in the list of Invariant Sections in the license notice of the combined work.

In the combination, you must combine any sections Entitled "History" in the various original documents, forming one section Entitled "History"; likewise combine any sections Entitled "Acknowledgements", and any sections Entitled "Dedications". You must delete all sections Entitled "Endorsements".

## 6. COLLECTIONS OF DOCUMENTS

You may make a collection consisting of the Document and other documents released under this License, and replace the individual copies of this License in the various documents with a single copy that is included in the collection, provided that you follow the rules of this License for verbatim copying of each of the documents in all other respects.

You may extract a single document from such a collection, and distribute it individually under this License, provided you insert a copy of this License into the extracted document, and follow this License in all other respects regarding verbatim copying of that document.

## 7. AGGREGATION WITH INDEPENDENT WORKS

A compilation of the Document or its derivatives with other separate and independent documents or works, in or on a volume of a storage or distribution medium, is called an "aggregate" if the copyright resulting from the compilation is not used to limit the legal rights of the compilation's users beyond what the individual works permit. When the Document is included in an aggregate, this License does not apply to the other works in the aggregate which are not themselves derivative works of the Document.

If the Cover Text requirement of section 3 is applicable to these copies of the Document, then if the Document is less than one half of the entire aggregate, the Document's Cover Texts may be placed on covers that bracket the Document within the aggregate, or the electronic equivalent of covers if the Document is in electronic form. Otherwise they must appear on printed covers that bracket the whole aggregate.

## 8. TRANSLATION

Translation is considered a kind of modification, so you may distribute translations of the Document under the terms of section 4. Replacing Invariant Sections with translations requires special permission from their copyright holders, but you may include translations of some or all Invariant Sections in addition to the original versions of these Invariant Sections. You may include a translation of this License, and all the license notices in the Document, and any Warranty Disclaimers, provided that you also include the original English version of this License and the original versions of those notices and disclaimers. In case of a disagreement between the translation and the original version of this License or a notice or disclaimer, the original version will prevail.

If a section in the Document is Entitled "Acknowledgements", "Dedications", or "History", the requirement (section 4) to Preserve its Title (section 1) will typically require changing the actual title.

## 9. TERMINATION

You may not copy, modify, sublicense, or distribute the Document except as expressly provided for under this License. Any other attempt to copy, modify, sublicense or distribute the Document is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

## 10. FUTURE REVISIONS OF THIS LICENSE

The Free Software Foundation may publish new, revised versions of the GNU Free Documentation License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns. See <http://www.gnu.org/copyleft/>.

Each version of the License is given a distinguishing version number. If the Document specifies that a particular numbered version of this License "or any later version" applies to it, you have the option of following the terms and conditions either of that specified version or of any later version that has been published (not as a draft) by the Free Software Foundation. If the Document does not specify a version number of this License, you may choose any version ever published (not as a draft) by the Free Software Foundation. ADDENDUM: How to use this License for your documents

To use this License in a document you have written, include a copy of the License in the document and put the following copyright and license notices just after the title page:

Copyright (c) YEAR YOUR NAME. Permission is granted to copy, distribute and/or modify this document under the terms of the GNU Free Documentation License, Version 1.2 or any later version published by the Free Software Foundation; with no Invariant Sections, no Front-Cover Texts, and no Back-Cover Texts. A copy of the license is included in the section entitled "GNU Free Documentation License".

If you have Invariant Sections, Front-Cover Texts and Back-Cover Texts, replace the "with...Texts." line with this:

with the Invariant Sections being LIST THEIR TITLES, with the Front-Cover Texts being LIST, and with the Back-Cover Texts being LIST.

If you have Invariant Sections without Cover Texts, or some other combination of the three, merge those two alternatives to suit the situation.

If your document contains nontrivial examples of program code, we recommend releasing these examples in parallel under your choice of free software license, such as the GNU General Public License, to permit their use in free software.

-----  
GPL-2.0

GNU GENERAL PUBLIC LICENSE

Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.

51 Franklin Street, Fifth Floor, Boston, MA 02110-1301, USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Lesser General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

#### TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

#### NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS

AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. END OF TERMS AND CONDITIONS

#### How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and an idea of what it does.>

Copyright (C)< yyyy> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301, USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'. This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon >, 1 April 1989 Ty Coon, President of Vice This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License.

-----  
MIT

MIT License Copyright (c) <year> <copyright holders>

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice (including the next paragraph) shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

---

Zlib

zlib License Copyright (c) <year> <copyright holders>

This software is provided 'as-is', without any express or implied warranty. In no event will the authors be held liable for any damages arising from the use of this software.

Permission is granted to anyone to use this software for any purpose, including commercial applications, and to alter it and redistribute it freely, subject to the following restrictions:

1. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated but is not required.
2. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software.
3. This notice may not be removed or altered from any source distribution.

---

BSD-2-Clause

Copyright (c) <year> <owner>. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

---

Copyright notices

Copyright (c) 2009-2016 by the contributors listed in CREDITS.TXT  
copyright (c) 2018, ARM Limited and Contributors. All rights reserved.  
copyright (c) 2017-2018, ARM Limited and Contributors. All rights reserved.  
copyright (c) 2014, ARM Limited and Contributors. All rights reserved.  
Copyright 2020 NXP  
Copyright 2019-2020 NXP  
Copyright 2019 NXP  
Copyright 2018-2019, ARM Limited and Contributors. All rights reserved.  
Copyright 2018-2019 NXP  
Copyright 2018 NXP  
Copyright 2017-2020 NXP  
Copyright 2017-2019 NXP  
Copyright 2012 Kim Phillips, Freescale Semiconductor.

Copyright 1995-2017 Mark Adler ";  
Copyright (c) Linaro 2018-2019 Limited and Contributors. All rights reserved.  
Copyright (c) Linaro 2018 Limited and Contributors. All rights reserved.  
Copyright (c) 2019-2020, ARM Limited and Contributors. All rights reserved.  
Copyright (c) 2019, Ying-Chun Liu (PaulLiu) <paul.liu@linaro.org>  
Copyright (c) 2019, STMicroelectronics - All Rights Reserved  
Copyright (c) 2019, Renesas Electronics Corporation. All rights reserved.  
Copyright (c) 2019, Remi Pommarel <repk@triplefau.lt>  
Copyright (c) 2019, NXP. All rights reserved.  
Copyright (c) 2019, Linaro Limited  
Copyright (c) 2019, Intel Corporation. All rights reserved.  
Copyright (c) 2019, Carlo Caione <ccaione@baylibre.com>  
Copyright (c) 2019, Arm Limited. All rights reserved.\*  
Copyright (c) 2019, Arm Limited. All rights reserved.  
Copyright (c) 2019, Arm Limited and Contributors. All rights reserved.\*  
Copyright (c) 2019, Arm Limited and Contributors. All rights reserved.  
Copyright (c) 2019, ARM Limited. All rights reserved.  
Copyright (c) 2019, ARM Limited and Contributors. All rights reserved.  
Copyright (c) 2018-2019, STMicroelectronics - All Rights Reserved  
Copyright (c) 2018-2019, Renesas Electronics Corporation. All rights reserved.  
Copyright (c) 2018-2019, Arm Limited. All rights reserved.  
Copyright (c) 2018-2019, Arm Limited and Contributors. All rights reserved.\*  
Copyright (c) 2018-2019, ARM Limited and Contributors. All rights reserved.  
Copyright (c) 2018, Renesas Electronics Corporation. All rights reserved.  
Copyright (c) 2018, Arm Limited. All rights reserved.  
Copyright (c) 2018, ARM Limited and Contributors. All rights reserved.  
Copyright (c) 2017-2019, STMicroelectronics - All Rights Reserved  
Copyright (c) 2017-2019, Renesas Electronics Corporation. All rights reserved.  
Copyright (c) 2017-2019, Arm Limited and Contributors. All rights reserved.\*  
Copyright (c) 2017-2019, Arm Limited and Contributors. All rights reserved.  
Copyright (c) 2017-2019, ARM Limited and Contributors. All rights reserved.  
Copyright (c) 2017-2018, STMicroelectronics - All Rights Reserved  
Copyright (c) 2017-2018, Arm Limited and Contributors. All rights reserved.\*  
Copyright (c) 2017-2018, ARM Limited and Contributors. All rights reserved.  
Copyright (c) 2017-2018 ARM Limited and Contributors. All rights reserved.  
Copyright (c) 2017, Renesas Electronics Corporation. All rights reserved.  
Copyright (c) 2017, ARM Limited and Contributors. All rights reserved.  
Copyright (c) 2016-2019, STMicroelectronics - All Rights Reserved  
Copyright (c) 2016-2019, Arm Limited and Contributors. All rights reserved.\*  
Copyright (c) 2016-2019, Arm Limited and Contributors. All rights reserved.  
Copyright (c) 2016-2019, ARM Limited and Contributors. All rights reserved.  
Copyright (c) 2016-2018, ARM Limited and Contributors. All rights reserved.  
Copyright (c) 2016-2017, Linaro Limited. All rights reserved.  
Copyright (c) 2016-2017, ARM Limited and Contributors. All rights reserved.  
Copyright (c) 2016, Linaro Limited  
Copyright (c) 2016, ARM Limited and Contributors. All rights reserved.  
Copyright (c) 2015-2019, STMicroelectronics - All Rights Reserved  
Copyright (c) 2015-2019, Renesas Electronics Corporation. All rights reserved.  
Copyright (c) 2015-2019, Renesas Electronics Corporation All rights reserved.  
Copyright (c) 2015-2019, Arm Limited and Contributors. All rights reserved.\*  
Copyright (c) 2015-2019, Arm Limited and Contributors. All rights reserved.  
Copyright (c) 2015-2019, ARM Limited and Contributors. All rights reserved.  
Copyright (c) 2015-2018, STMicroelectronics - All Rights Reserved  
Copyright (c) 2015-2018, Renesas Electronics Corporation. All rights reserved.  
Copyright (c) 2015-2018, ARM Limited and Contributors. All rights reserved.  
Copyright (c) 2015-2017, Renesas Electronics Corporation. All rights reserved.  
Copyright (c) 2015-2017, Renesas Electronics Corporation All rights reserved.  
Copyright (c) 2015-2017, ARM Limited and Contributors. All rights reserved.  
Copyright (c) 2015-2016, ARM Limited and Contributors. All rights reserved.  
Copyright (c) 2015, ARM Limited and Contributors. All rights reserved.  
Copyright (c) 2014-2019, Arm Limited. All rights reserved.  
Copyright (c) 2014-2019, Arm Limited and Contributors. All rights reserved.\*  
Copyright (c) 2014-2019, ARM Limited and Contributors. All rights reserved.  
Copyright (c) 2014-2018, Arm Limited and Contributors. All rights reserved.\*  
Copyright (c) 2014-2018, ARM Limited and Contributors. All rights reserved.  
Copyright (c) 2014-2017, ARM Limited and Contributors. All rights reserved.  
Copyright (c) 2014-2016, ARM Limited and Contributors. All rights reserved.  
Copyright (c) 2014-2015, ARM Limited and Contributors. All rights reserved.  
Copyright (c) 2014, STMicroelectronics International N.V. All rights reserved.  
Copyright (c) 2014, Linaro Limited. All rights reserved. \*/  
Copyright (c) 2014, ARM Limited and Contributors. All rights reserved.



Copyright (c) 2013-2019, Arm Limited and Contributors. All rights reserved.\*  
Copyright (c) 2013-2019, ARM Limited and Contributors. All rights reserved.  
Copyright (c) 2013-2018, ARM Limited and Contributors. All rights reserved.  
Copyright (c) 2013-2017, ARM Limited and Contributors. All rights reserved.  
Copyright (c) 2013-2016, ARM Limited and Contributors. All rights reserved.  
Copyright (c) 2013-2015, ARM Limited and Contributors. All rights reserved.  
Copyright (c) 2013-2014, ARM Limited and Contributors. All rights reserved.  
Copyright (c) 2012-2017 Roberto E. Vargas Caballero  
Copyright (c) 2009-2016 by the contributors listed in CREDITS.TXT  
Copyright (c) 2009-2015 by the contributors listed in CREDITS.TXT  
Copyright (c) 2009 David Schultz <das@FreeBSD.org> All rights reserved.  
Copyright (c) 2002 Thomas Moestl <tmm@FreeBSD.org> All rights reserved.  
Copyright (c) 2002 Marcel Moolenaar All rights reserved.  
Copyright (c) 2001 David E. O'Brien  
Copyright (c) 1998, 2015 Todd C. Miller <Todd.Miller@courtesan.com>  
Copyright (c) 1990, 1993 The Regents of the University of California. All rights reserved.  
Copyright (c) 1989, 1993 The Regents of the University of California. All rights reserved.  
Copyright (c) 1988, 1993 The Regents of the University of California. All rights reserved.  
Copyright (c) 1982, 1986, 1989, 1993 The Regents of the University of California. All rights reserved.  
Copyright (C) STMicroelectronics 2018-2019 - All Rights Reserved Author: Alexandre Torgue <alexandre.torgue@st.com>.  
Copyright (C) STMicroelectronics 2018 - All Rights Reserved Author: Gabriel Fernandez <gabriel.fernandez@st.com> for STMicroelectronics.  
Copyright (C) STMicroelectronics 2018 - All Rights Reserved Author: Alexandre Torgue <alexandre.torgue@st.com>.  
Copyright (C) STMicroelectronics 2018 - All Rights Reserved Author: Alexandre Torgue <alexandre.torgue@st.com>  
Copyright (C) STMicroelectronics 2017-2019 - All Rights Reserved Author: Ludovic Barre <ludovic.barre@st.com> for STMicroelectronics.  
Copyright (C) STMicroelectronics 2017 - All Rights Reserved Author: Torgue Alexandre <alexandre.torgue@st.com> for STMicroelectronics.  
Copyright (C) STMicroelectronics 2017 - All Rights Reserved Author: Ludovic Barre <ludovic.barre@st.com> for STMicroelectronics.  
Copyright (C) Linaro Ltd 2019 - All Rights Reserved Author: Manivannan Sadhasivam <manivannan.sadhasivam@linaro.org>  
Copyright (C) Arrow Electronics 2019 - All Rights Reserved Author: Botond Kardos <botond.kardos@arroweurope.com>  
Copyright (C) 2019 Remi Pommarel <repk@triplefau.lt>  
Copyright (C) 2018-2019, STMicroelectronics - All Rights Reserved  
Copyright (C) 2018-2019, ARM Limited and Contributors. All rights reserved.  
Copyright (C) 2018, STMicroelectronics - All Rights Reserved  
Copyright (C) 2018, ARM Limited and Contributors. All rights reserved.  
Copyright (C) 2018 Marvell International Ltd.  
Copyright (C) 2018 Icenowy Zheng <icenowy@aosc.io>  
Copyright (C) 2017, STMicroelectronics - All Rights Reserved  
Copyright (C) 2017 Marvell International Ltd.  
Copyright (C) 2016 NextThing Co.  
Copyright (C) 2016 Marvell International Ltd.  
Copyright (C) 2016 Freescale Semiconductor, Inc.  
Copyright (C) 2016 Free Electrons  
Copyright (C) 2014 David Gibson <david@gibson.dropbear.id.au>  
Copyright (C) 2012 David Gibson, IBM Corporation.  
Copyright (C) 2006 David Gibson, IBM Corporation.  
Copyright (C) 2004, 2006 The Linux Foundation and its contributors.  
Copyright (C) 1995-2017 Mark Adler  
Copyright (C) 1995-2017 Jean-loup Gailly and Mark Adler  
Copyright (C) 1995-2017 Jean-loup Gailly  
Copyright (C) 1995-2016 Mark Adler  
Copyright (C) 1995-2016 Jean-loup Gailly, Mark Adler  
Copyright (C) 1995-2011, 2016 Mark Adler  
Copyright (C) 1995-2006, 2010, 2011, 2012, 2016 Mark Adler  
Copyright (C) 1995-2005, 2010 Mark Adler  
Copyright (C) 1995-2003, 2010 Mark Adler  
(c) UNIX System Laboratories, Inc. All or some portions of this file are derived from material licensed to the University of California by American Telephone and Telegraph Co. or Unix System Laboratories, Inc. and are reproduced herein with the permission of UNIX System Laboratories, Inc.

=====  
*DDR4 controller Firmware*

(lpddr4\_pmu\_train\_1d\_dmem.bin, lpddr4\_pmu\_train\_1d\_imem.bin,  
lpddr4\_pmu\_train\_2d\_dmem.bin, lpddr4\_pmu\_train\_2d\_imem.bin)

=====

## MAIN LICENSES

-----

LA\_OPT\_NXP\_Software\_License v24 June 2021

IMPORTANT. Read the following NXP Software License Agreement ("Agreement") completely. By selecting the "I Accept" button at the end of this page, or by downloading, installing, or using the Licensed Software, you indicate that you accept the terms of the Agreement and you acknowledge that you have the authority, for yourself or on behalf of your company, to bind your company to these terms. You may then download or install the file. In the event of a conflict between the terms of this Agreement and any license terms and conditions for NXP's proprietary software embedded anywhere in the Licensed Software file, the terms of this Agreement shall control. If a separate license agreement for the Licensed Software has been signed by you and NXP, then that agreement shall govern your use of the Licensed Software and shall supersede this Agreement.

### NXP SOFTWARE LICENSE AGREEMENT

This is a legal agreement between your employer, of which you are an authorized representative, or, if you have no employer, you as an individual ("you" or "Licensee"), and NXP B.V. ("NXP"). It concerns your rights to use the software provided to you in binary or source code form and any accompanying written materials (the "Licensed Software"). The Licensed Software may include any updates or error corrections or documentation relating to the Licensed Software provided to you by NXP under this Agreement. In consideration for NXP allowing you to access the Licensed Software, you are agreeing to be bound by the terms of this Agreement. If you do not agree to all of the terms of this Agreement, do not download or install the Licensed Software. If you change your mind later, stop using the Licensed Software and delete all copies of the Licensed Software in your possession or control. Any copies of the Licensed Software that you have already distributed, where permitted, and do not destroy will continue to be governed by this Agreement. Your prior use will also continue to be governed by this Agreement.

#### 1. DEFINITIONS

1.1. "Affiliate" means, with respect to a party, any corporation or other legal entity that now or hereafter Controls, is Controlled by or is under common Control with such party; where "Control" means the direct or indirect ownership of greater than fifty percent (50%) of the shares or similar interests entitled to vote for the election of directors or other persons performing similar functions. An entity is considered an Affiliate only so long as such Control exists.

1.2 "Authorized System" means either (i) Licensee's hardware product which incorporates an NXP Product or (ii) Licensee's software program which is used exclusively in connection with an NXP Product and with which the Licensed Software will be integrated.

1.3. "Derivative Work" means a work based upon one or more pre-existing works. A work consisting of editorial revisions, annotations, elaborations, or other modifications which, as a whole, represent an original work of authorship, is a Derivative Work.

1.4 "Intellectual Property Rights" means any and all rights under statute, common law or equity in and under copyrights, trade secrets, and patents (including utility models), and analogous rights throughout the world, including any applications for and the right to apply for, any of the foregoing.

1.5 "NXP Product" means a hardware product (e.g. a microprocessor, microcontroller, sensor or digital signal processor) supplied directly or indirectly from NXP or an NXP Affiliate, unless there is a product specified in the Software Content Register, in which case this definition is limited to such product.

1.6 "Software Content Register" means the documentation which may accompany the Licensed Software which identifies the contents of the Licensed Software, including but not limited to identification of any Third Party Software, if any, and may also contain other related information as whether the license in 2.3 is applicable.

1.7 "Third Party Software" means, any software included in the Licensed Software that is not NXP proprietary software, and is not open source software, and to which different license terms may apply.

#### 2. LICENSE GRANT.

2.1. If you are not expressly granted the distribution license in Section 2.3 in the Software Content Register, then you are only granted the rights in Section 2.2 and not in 2.3. If you are expressly granted the distribution license in Section 2.3 in the Software Content Register, then you are granted the rights in both Section 2.2 and 2.3.

2.2. Standard License. Subject to the terms and conditions of this Agreement, NXP grants you a worldwide, personal, non-transferable, non-exclusive, non-sublicensable license, solely for the development of an Authorized System:

(a) to use and reproduce the Licensed Software (and its Derivative Works prepared under the license in Section 2.2(b)) solely in combination with a NXP Product; and

(b) for Licensed Software provided to you in source code form (human readable), to prepare Derivative Works of the Licensed Software solely for use in combination with a NXP Product.

You may not distribute or sublicense the Licensed Software to others under the license granted in this Section 2.2.

You may demonstrate the Licensed Software to your direct customers as part of an Authorized System so long as such demonstration is directly controlled by you and without prior approval by NXP; however, to all other third parties only if NXP has provided its advance, written approval (e.g. email approval) of your demonstrating the Licensed Software to specified third parties or at specified event(s). You may not leave the Licensed Software with a direct customer or any other third party at any time.

2.3. Additional Distribution License. If expressly authorized in the Software Content Register, subject to the terms and conditions of this Agreement, NXP grants you a worldwide, personal, non-transferable, non-exclusive, non-sublicensable license solely in connection with your manufacturing and distribution of an Authorized System:

(a) to manufacture (or have manufactured), distribute, and market the Licensed Software (and its Derivative Works prepared under the license in 2.2(b)) in object code (machine readable format) only as part of, or embedded within, Authorized Systems and not on a standalone basis solely for use in combination with a NXP Product. Notwithstanding the foregoing, those files marked as .h files ("Header files") may be distributed in source or object code form, but only as part of, or embedded within Authorized Systems; and

(b) to copy and distribute as needed, solely in connection with an Authorized System and for use in combination with a NXP Product, non-confidential NXP information provided as part of the Licensed Software for the purpose of maintaining and supporting Authorized Systems with which the Licensed Software is integrated.

2.4 Separate license grants to Third Party Software, or other terms applicable to the Licensed Software if different from those granted in this Section 2, are contained in Appendix A. The Licensed Software may be accompanied by a Software Content Register which will identify that portion of the Licensed Software, if any, that is subject to the different terms in Appendix A.

2.5. You may use subcontractors on your premises to exercise your rights under Section 2.2 and Section 2.3, if any, so long as you have an agreement in place with the subcontractor containing confidentiality restrictions no less stringent than those contained in this Agreement. You will remain liable for your subcontractors' adherence to the terms of this Agreement and for any and all acts and omissions of such subcontractors with respect to this Agreement and the Licensed Software.

### 3. LICENSE LIMITATIONS AND RESTRICTIONS.

3.1. The licenses granted above in Section 2 only extend to NXP Intellectual Property Rights that would be infringed by the unmodified Licensed Software prior to your preparation of any Derivative Work.

3.2. The Licensed Software is licensed to you, not sold. Title to Licensed Software delivered hereunder remains vested in NXP or NXP's licensor and cannot be assigned or transferred. You are expressly forbidden from selling or otherwise distributing the Licensed Software, or any portion thereof, except as expressly permitted herein. This Agreement does not grant to you any implied rights under any NXP or third party Intellectual Property Rights.

3.3. You may not translate, reverse engineer, decompile, or disassemble the Licensed Software except to the extent applicable law specifically prohibits such restriction. You must prohibit your subcontractors or customers (if distribution is permitted) from translating, reverse engineering, decompiling, or disassembling the Licensed Software except to the extent applicable law specifically prohibits such restriction.

3.4. You must reproduce any and all of NXP's (or its third-party licensor's) copyright notices and other proprietary legends on copies of Licensed Software.

3.5. If you distribute the Licensed Software to the United States Government, then the Licensed Software is "restricted computer software" and is subject to FAR 52.227-19.

3.6. You grant to NXP a non-exclusive, non-transferable, irrevocable, perpetual, worldwide, royalty-free, sub-licensable license under your Intellectual Property Rights to use without restriction and for any purpose any suggestion, comment or other feedback related to the Licensed Software (including, but not limited to, error corrections and bug fixes).

3.7. You will not take or fail to take any action that could subject the Licensed Software to an Excluded License. An Excluded License means any license that requires, as a condition of use, modification or distribution of software subject to the Excluded License, that such software or other software combined and/or distributed with the software be (i) disclosed or distributed in source code form; (ii) licensed for the purpose of making Derivative Works; or (iii) redistributable at no charge.

3.8. You may not publish or distribute reports associated with the use of the Licensed Software to anyone other than NXP. You may advise NXP of any results obtained from your use of the Licensed Software, including any problems or suggested improvements thereof, and NXP retains the right to use such results and related information in any manner it deems appropriate.

4. OPEN SOURCE. Open source software included in the Licensed Software is not licensed under the terms of this Agreement but is instead licensed under the terms of the applicable open source license(s), such as the BSD License, Apache License or the GNU Lesser General Public License. Your use of the open source software is subject to the terms of each applicable license. You must agree to the terms of each applicable license, or you cannot use the open source software.

5. INTELLECTUAL PROPERTY RIGHTS.

Upon request, you must provide NXP the source code of any derivative of the Licensed Software.

Unless prohibited by law, the following paragraph shall apply. Your modifications to the Licensed Software, and all intellectual property rights associated with, and title thereto, will be the property of NXP. You agree to assign all, and hereby do assign all rights, title, and interest to any such modifications to the Licensed Software to NXP and agree to provide all assistance reasonably requested by NXP to establish, preserve or enforce such right. Further, you agree to waive all moral rights relating to your modifications to the Licensed Software, including, without limitation, all rights of identification of authorship and all rights of approval, restriction, or limitation on use or subsequent modification. Notwithstanding the foregoing, you will have the license rights granted in Section 2 hereto to any such modifications made by you or your licensees.

Otherwise, you agree to grant an irrevocable, worldwide, and perpetual license to NXP to make, have made, use, sell, offer to sell, import, commercialize, sublicense and reproduce your modifications or derivative works to the Licensed Software without any payment to Licensee. You agree to provide all assistance reasonably requested by NXP to establish, preserve or enforce such right.

6. ESSENTIAL PATENTS. NXP has no obligation to identify or obtain any license to any Intellectual Property Right of a third-party that may be necessary for use in connection with technology that is incorporated into the Authorized System (whether or not as part of the Licensed Software).

7. TERM AND TERMINATION. This Agreement will remain in effect unless terminated as provided in this Section.

7.1. You may terminate this Agreement immediately upon written notice to NXP at the address provided below.

7.2. Either party may terminate this Agreement if the other party is in default of any of the terms and conditions of this Agreement, and termination is effective if the defaulting party fails to correct such default within 30 days after written notice thereof by the non-defaulting party to the defaulting party at the address below.

7.3. Notwithstanding the foregoing, NXP may terminate this Agreement immediately upon written notice if you: breach any of your confidentiality obligations or the license restrictions under this Agreement; become bankrupt, insolvent, or file a petition for bankruptcy or insolvency; make an assignment for the benefit of its creditors; enter proceedings for winding up or dissolution; are dissolved; or are nationalized or become subject to the expropriation of all or substantially all of your business or assets.

7.4. Upon termination of this Agreement, all licenses granted under Section 2 will expire.

7.5. After termination of this Agreement by either party you will destroy all parts of Licensed Software and its Derivative Works (if any) and will provide to NXP a statement certifying the same.

7.6. Notwithstanding the termination of this Agreement for any reason, the terms of Sections 1 and 3 through 24 will survive.

8. SUPPORT. NXP is not obligated to provide any support, upgrades or new releases of the Licensed Software under this Agreement. If you wish, you may contact NXP and report problems and provide suggestions regarding the Licensed Software. NXP has no obligation to respond to such a problem report or suggestion. NXP may make changes to the Licensed Software at any time, without any obligation to notify or provide updated versions of the Licensed Software to you.

9. NO WARRANTY. To the maximum extent permitted by law, NXP expressly disclaims any warranty for the Licensed Software. The Licensed Software is provided "AS IS", without warranty of any kind, either express or implied, including without limitation the implied warranties of merchantability, fitness for a particular purpose, or non-infringement. You assume the entire risk arising out of the use or performance of the licensed software, or any systems you design using the licensed software (if any).

10. INDEMNITY. You agree to fully defend and indemnify NXP from all claims, liabilities, and costs (including reasonable attorney's fees) related to (1) your use (including your subcontractor's or distributee's use, if permitted) of the Licensed Software or (2) your violation of the terms and conditions of this Agreement.

11. LIMITATION OF LIABILITY. EXCLUDING LIABILITY FOR A BREACH OF SECTION 2 (LICENSE GRANTS), SECTION 3 (LICENSE LIMITATIONS AND RESTRICTIONS), SECTION 16 (CONFIDENTIAL INFORMATION), OR CLAIMS UNDER SECTION 10 (INDEMNITY), IN NO EVENT WILL EITHER PARTY BE LIABLE, WHETHER IN CONTRACT, TORT, OR OTHERWISE, FOR ANY INCIDENTAL, SPECIAL, INDIRECT, CONSEQUENTIAL OR PUNITIVE DAMAGES, INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR ANY LOSS OF USE, LOSS OF TIME, INCONVENIENCE, COMMERCIAL LOSS, OR LOST PROFITS, SAVINGS, OR REVENUES, TO THE FULL EXTENT SUCH MAY BE DISCLAIMED BY LAW. NXP'S TOTAL LIABILITY FOR ALL COSTS, DAMAGES, CLAIMS, OR LOSSES WHATSOEVER ARISING OUT OF OR IN CONNECTION WITH THIS AGREEMENT OR PRODUCT(S) SUPPLIED UNDER THIS AGREEMENT IS LIMITED TO THE AGGREGATE AMOUNT PAID BY YOU TO NXP IN CONNECTION WITH THE LICENSED SOFTWARE PROVIDED UNDER THIS AGREEMENT TO WHICH LOSSES OR DAMAGES ARE CLAIMED.

12. EXPORT COMPLIANCE. Each party shall comply with all applicable export and import control laws and regulations including but not limited to the US Export Administration Regulation (including restrictions on certain military end uses and military end users as specified in Section 15 C.F.R. § 744.21 and prohibited party lists issued by other federal governments), Catch-all regulations and all national and international embargoes. Each party further agrees that it will not knowingly transfer, divert, export or re-export, directly or indirectly, any product, software, including software source code, or technology restricted by such regulations or by other applicable national regulations, received from the other party under this Agreement, or any direct product of such software or technical data to any person, firm, entity, country or destination to which such transfer, diversion, export or re-export is restricted or prohibited, without obtaining prior written authorization from the applicable competent government authorities to the extent required by those laws.

### 13. GOVERNMENT CONTRACT COMPLIANCE

13.1. If you sell Authorized Systems directly to any government or public entity, including U.S., state, local, foreign or international governments or public entities, or indirectly via a prime contractor or subcontractor of such governments or entities, NXP makes no representations, certifications, or warranties whatsoever about compliance with government or public entity acquisition statutes or regulations, including, without limitation, statutes or regulations that may relate to pricing, quality, origin or content.

13.2. The Licensed Software has been developed at private expense and is a "Commercial Item" as defined in 48 C.F.R. Section 2.101, consisting of "Commercial Computer Software", and/or "Commercial Computer Software Documentation," as such terms are used in 48 C.F.R. Section 12.212 (or 48 C.F.R. Section 227.7202, as applicable) and may only be licensed to or shared with U.S. Government end users in object code form as part of, or embedded within, Authorized Systems. Any agreement pursuant to which you share the Licensed Software will include a provision that reiterates the limitations of this document and requires all sub-agreements to similarly contain such limitations.

14. CRITICAL APPLICATIONS. In some cases, NXP may promote certain software for use in the development of, or for incorporation into, products or services (a) used in applications requiring fail-safe performance or (b) in which failure could lead to death, personal injury, or severe physical or environmental damage (these products and services are referred to as "Critical Applications"). NXP's goal is to educate customers so that they can design their own end-product solutions to meet applicable functional safety standards and requirements. Licensee makes the ultimate design decisions regarding its products and is solely responsible for compliance with all legal, regulatory, safety, and security related requirements concerning its products, regardless of any information or support that may be provided by NXP. As such, Licensee assumes all risk related to use of the Licensed Software in Critical Applications and NXP SHALL NOT BE LIABLE FOR ANY SUCH USE IN CRITICAL APPLICATIONS BY LICENSEE. Accordingly, Licensee will indemnify and hold NXP harmless from any claims, liabilities, damages and associated costs and expenses (including attorneys' fees) that NXP may incur related to Licensee's incorporation of the Licensed Software in a Critical Application.

15. CHOICE OF LAW; VENUE. This Agreement will be governed by, construed, and enforced in accordance with the laws of The Netherlands, without regard to conflicts of laws principles, will apply to all matters relating to this Agreement or the Licensed Software, and you agree that any litigation will be subject to the exclusive jurisdiction of the courts of Amsterdam, The Netherlands. The United Nations Convention on Contracts for the International Sale of Goods will not apply to this document.

16. CONFIDENTIAL INFORMATION. Subject to the license grants and restrictions contained herein, you must treat the Licensed Software as confidential information and you agree to retain the Licensed Software in confidence perpetually. You may not disclose any part of the Licensed Software to anyone other than distributees in accordance with Section 2.3 and employees, or subcontractors in accordance with Section 2.5, who have a need to know of the Licensed Software and who have executed written agreements obligating them to protect such Licensed Software to at least the same degree of confidentiality as in this Agreement. You agree to use the same degree of care, but no less than a reasonable degree of care, with the Licensed Software as you do with your own confidential information. You may disclose Licensed Software to the extent required by a court or under operation of law or order provided that you notify NXP of such requirement prior to disclosure, which you only disclose the minimum of the required information, and that you allow NXP the opportunity to object to such court or other legal body requiring such disclosure.

17. TRADEMARKS. You are not authorized to use any NXP trademarks, brand names, or logos.

18. ENTIRE AGREEMENT. This Agreement constitutes the entire agreement between you and NXP regarding the subject matter of this Agreement, and supersedes all prior communications, negotiations, understandings, agreements or representations, either written or oral, if any. This Agreement may only be amended in written form, signed by you and NXP.

19. SEVERABILITY. If any provision of this Agreement is held for any reason to be invalid or unenforceable, then the remaining provisions of this Agreement will be unimpaired and, unless a modification or replacement of the invalid or unenforceable provision is further held to deprive you or NXP of a material benefit, in which case the Agreement will immediately terminate, the invalid or unenforceable provision will be replaced with a provision that is valid and enforceable and that comes closest to the intention underlying the invalid or unenforceable provision.

20. NO WAIVER. The waiver by NXP of any breach of any provision of this Agreement will not operate or be construed as a waiver of any other or a subsequent breach of the same or a different provision.

21. AUDIT. You will keep full, clear and accurate records with respect to your compliance with the limited license rights granted under this Agreement for three years following expiration or termination of this Agreement. NXP will have the right, either itself or through an independent certified public accountant to examine and audit, at NXP's expense, not more than once a year, and during normal business hours, all such records that may bear upon your compliance with the limited license rights granted above. You must make prompt adjustment to compensate for any errors and/or omissions disclosed by such examination or audit.

22. NOTICES. All notices and communications under this Agreement will be made in writing, and will be effective when received at the following addresses:

NXP: NXP B.V.  
High Tech Campus 60  
5656 AG Eindhoven  
The Netherlands

ATTN: Legal Department

You: The address provided at registration will be used.

23. RELATIONSHIP OF THE PARTIES. The parties are independent contractors. Nothing in this Agreement will be construed to create any partnership, joint venture, or similar relationship. Neither party is authorized to bind the other to any obligations with third parties.

24. SUCCESSION AND ASSIGNMENT. This Agreement will be binding upon and inure to the benefit of the parties and their permitted successors and assigns. You may not assign this Agreement, or any part of this Agreement, without the prior written approval of NXP, which approval will not be unreasonably withheld or delayed. NXP may assign this Agreement, or any part of this Agreement, in its sole discretion.

25. PRIVACY. By agreeing to this Agreement and/or utilizing the Licensed Software, Licensee consents to use of certain personal information, including but not limited to name, email address, and location, for the purpose of NXP's internal analysis regarding future software offerings. NXP's complete Privacy Statement can be found at: <https://www.nxp.com/company/our-company/about-nxp/privacy-statement:PRIVACYPRACTICES>.

#### APPENDIX A

##### Other License Grants and Restrictions:

The Licensed Software may include some or all of the following software, which is either 1) Third Party Software or 2) NXP proprietary software subject to different terms than those in the Agreement. If the Software Content Register that accompanies the Licensed Software identifies any of the following Third Party Software or specific components of the NXP proprietary software, the following terms apply to the extent they deviate from the terms in the Agreement:

Amazon: Use of the Amazon software constitutes your acceptance of the terms of the Amazon Program Materials License Agreement (including the AVS Component Schedule, if applicable), located at <https://developer.amazon.com/support/legal/pml>. All Amazon software is hereby designated "Amazon confidential". With the exception of the binary library of the Amazon Wake Word Engine for "Alexa", all Amazon software is also hereby designated as "Restricted Program Materials". Amazon is a third-party beneficiary to this Agreement with respect to the Amazon software.

Amazon Web Services, Inc.: AWS is an intended third-party beneficiary to this Agreement with respect to the Greengrass software. If you have an account with AWS that is not in good standing, you may not download, install, use or distribute the Greengrass software. You will comply with all instructions and requirements in any integration documents, guidelines, or other documentation AWS provides. The license to the Greengrass software will immediately terminate without notice if you (a) fail to comply with this Agreement or any other agreement with AWS, (b) fail to make timely payment for any AWS service, (c) fail to implement AWS updates, or (d) bring any action for intellectual property infringement against AWS or any AWS customer utilizing AWS services. Any dispute or claim relating to your use of the Greengrass software will be resolved by binding arbitration, rather than in court, except that you may assert claims in small claims court if your claims qualify.

Amphion Semiconductor Ltd.: Distribution of Amphion software must be a part of, or embedded within, Authorized Systems that include an Amphion Video Decoder.

Aquantia Corp.: You may use Aquantia's API binaries solely to flash the API software to an NXP Product which mates with an Aquantia device.

Argus Cyber Security: The Argus software may only be used in object code and only for evaluation and demonstration purposes.

Atheros: Use of Atheros software is limited to evaluation and demonstration only. Permitted distributions must be similarly limited. Further rights must be obtained directly from Atheros.

ATI (AMD): Distribution of ATI software must be a part of, or embedded within, Authorized Systems that include a ATI graphics processor core.

Au-Zone Technologies: eIQ Portal, Model Tool, DeepViewRT and ModelRunner are distributed by NXP under license from Au-Zone Technologies. Your use of the Licensed Software, examples and related documentation is subject to the following:

- (1) Use of Software is limited to Authorized System only
- (2) In no event may Licensee Sublicense OR distribute the Software
- (3) AU-ZONE TECHNOLOGIES SHALL NOT BE LIABLE FOR USE OF LICENSED SOFTWARE IN CRITICAL APPLICATIONS BY LICENSEE

Broadcom Corporation: Your use of Broadcom Corporation software is restricted to Authorized Systems that incorporate a compatible integrated circuit device manufactured or sold by Broadcom.

Cadence Design Systems: Use of Cadence audio codec software is limited to distribution only of one copy per single NXP Product. The license granted herein to the Cadence Design Systems HiFi aacPlus Audio Decoder software does not include a license to the AAC family of technologies which you or your customer may need to obtain. Configuration tool outputs may only be distributed by licensees of the relevant Cadence SDK and distribution is limited to distribution of one copy embedded in a single NXP Product.

Cirque Corporation: Use of Cirque Corporation technology is limited to evaluation, demonstration, or certification testing only. Permitted distributions must be similarly limited. Further rights, including but not limited to ANY commercial distribution rights, must be obtained directly from Cirque Corporation.

Coding Technologies (Dolby Labs): Use of CTS software is limited to evaluation and demonstration only. Permitted distributions must be similarly limited. Further rights must be obtained from Dolby Laboratories.

CSR: Use of Cambridge Silicon Radio, Inc. ("CSR") software is limited to evaluation and demonstration only. Permitted distributions must be similarly limited. Further rights must be obtained directly from CSR.

Crank: Use of Crank Software Inc. software is limited to evaluation and demonstration only. Permitted distributions must be similarly limited. Further rights must be obtained directly from Crank Software Inc.

Cypress Semiconductor Corporation: WWD RTOS source code may only be used in accordance with the Cypress IOT Community License Agreement obtained directly from Cypress Semiconductor Corporation.

Elektrobit Automotive GmbH ("EB"): EB software must be used consistent with the EB License Terms and Conditions, Version 1.4 (Dec 2019) found here: <https://www.elektrobit.com/legal-notice/>. Licensee is only granted an evaluation license for the EB software, defined as license to use the EB software internally for own evaluation purposes, limited to three (3) months. Production deployment of the EB software using this license is prohibited. See additionally Section 2.1.1 EB EULA.

Embedded Systems Academy GmbH (EmSA): Any use of Micro CANopen Plus is subject to the acceptance of the license conditions described in the LICENSE.INFO file distributed with all example projects and in the documentation and the additional clause described below.

Clause 1: Micro CANopen Plus may not be used for any competitive or comparative purpose, including the publication of any form of run time or compile time metric, without the express permission of EmSA.

Future Technology Devices International Ltd.: Future Technology Devices International software must be used consistent with the terms found here: <http://www.ftdichip.com/Drivers/FTDriverLicenceTerms.htm>

Global Locate (Broadcom Corporation): Use of Global Locate, Inc. software is limited to evaluation and demonstration only. Permitted distributions must be similarly limited. Further rights must be obtained from Global Locate.

Microsoft: Except for Microsoft PlayReady software, if the Licensed Software includes software owned by Microsoft Corporation ("Microsoft"), it is subject to the terms of your license with Microsoft (the "Microsoft Underlying Licensed Software") and as such, NXP grants no license to you, beyond evaluation and demonstration in connection with NXP

processors, in the Microsoft Underlying Licensed Software. You must separately obtain rights beyond evaluation and demonstration in connection with the Microsoft Underlying Licensed Software from Microsoft. Microsoft does not provide support services for the components provided to you through this Agreement. If you have any questions or require technical assistance, please contact NXP. Microsoft Corporation is a third party beneficiary to this Agreement with the right to enforce the terms of this Agreement. TO THE MAXIMUM EXTENT PERMITTED BY LAW, MICROSOFT AND ITS AFFILIATES DISCLAIM ANY WARRANTIES FOR THE MICROSOFT UNDERLYING LICENSED SOFTWARE. TO THE MAXIMUM EXTENT PERMITTED BY LAW, NEITHER MICROSOFT NOR ITS AFFILIATES WILL BE LIABLE, WHETHER IN CONTRACT, TORT, OR OTHERWISE, FOR ANY DIRECT, INCIDENTAL, SPECIAL, INDIRECT, CONSEQUENTIAL OR PUNITIVE DAMAGES, INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR ANY LOSS OF USE, LOSS OF TIME, INCONVENIENCE, COMMERCIAL LOSS, OR LOST PROFITS, SAVINGS, OR REVENUES, ARISING FROM THE FROM THE USE OF THE MICROSOFT UNDERLYING LICENSED SOFTWARE. With respect to the Microsoft PlayReady software, you will have the license rights granted in Section 2, provided that you may not use the Microsoft PlayReady software unless you have entered into a Microsoft PlayReady Master Agreement and license directly with Microsoft.

MindTree: Notwithstanding the terms contained in Section 2.3 (a), if the Licensed Software includes proprietary software of MindTree in source code format, Licensee may make modifications and create derivative works only to the extent necessary for debugging of the Licensed Software.

MM SOLUTIONS AD: Use of MM SOLUTIONS AEC (Auto Exposure Control) and AWB (Auto White Balance) software is limited to demonstration, testing, and evaluation only. In no event may Licensee distribute or sublicense the MM SOLUTIONS software. Further rights must be obtained directly from MM SOLUTIONS.

MPEG LA: Use of MPEG LA audio or video codec technology is limited to evaluation and demonstration only. Permitted distributions must be similarly limited. Further rights must be obtained directly from MPEG LA.

MQX RTOS Code: MQX RTOS source code may not be re-distributed by any NXP Licensee under any circumstance, even by a signed written amendment to this Agreement.

NXP Wireless Charging Library: License to the Software is limited to use in inductive coupling or wireless charging applications

Opus: Use of Opus software must be consistent with the terms of the Opus license which can be found at: <http://www.opus-codec.org/license/>

Oracle JRE (Java): The Oracle JRE must be used consistent with terms found here: <http://java.com/license>

P&E Micro: P&E Software must be used consistent with the terms found here: [http://www.pemicro.com/licenses/gdbserver/license\\_gdb.pdf](http://www.pemicro.com/licenses/gdbserver/license_gdb.pdf)

Pro Design Electronic: Licensee may not modify, create derivative works based on, or copy the Pro Design software, documentation, hardware execution key or the accompanying materials. Licensee shall not use Pro Design's or any of its licensors names, logos or trademarks to market the Authorized System. Only NXP customers and distributors are permitted to further redistribute the Pro Design software and only as part of an Authorized System which contains the Pro Design software.

Qualcomm Atheros, Inc.: Notwithstanding anything in this Agreement, Qualcomm Atheros, Inc. Wi-Fi software must be used strictly in accordance with the Qualcomm Atheros, Inc. Technology License Agreement that accompanies such software. Any other use is expressly prohibited.

Real Networks - GStreamer Optimized Real Format Client Code implementation or OpenMax Optimized Real Format Client Code: Use of the GStreamer Optimized Real Format Client Code, or OpenMax Optimized Real Format Client code is restricted to applications in the automotive market. Licensee must be a final manufacturer in good standing with a current license with Real Networks for the commercial use and distribution of products containing the GStreamer Optimized Real Format Client Code implementation or OpenMax Optimized Real Format Client Code

RivieraWaves SAS (a member of the CEVA, Inc. family of companies): You may not use the RivieraWaves intellectual property licensed under this Agreement if you develop, market, and/or license products similar to such RivieraWaves intellectual property. Such use constitutes a breach of this Agreement. Any such use rights must be obtained directly from RivieraWaves.

SanDisk Corporation: If the Licensed Software includes software developed by SanDisk Corporation ("SanDisk"), you must separately obtain the rights to reproduce and distribute this software in source code form from SanDisk. Please follow these easy steps to obtain the license and software:

- (1) Contact your local SanDisk sales representative to obtain the SanDisk License Agreement.
- (2) Sign the license agreement. Fax the signed agreement to SanDisk USA marketing department at 408-542-0403. The license will be valid when fully executed by SanDisk.
- (3) If you have specific questions, please send an email to [sales@sandisk.com](mailto:sales@sandisk.com)



You may only use the SanDisk Corporation Licensed Software on products compatible with a SanDisk Secure Digital Card. You may not use the SanDisk Corporation Licensed Software on any memory device product. SanDisk retains all rights to any modifications or derivative works to the SanDisk Corporation Licensed Software that you may create.

SEGGER Microcontroller - emWin Software: Your use of SEGGER emWin software and components is restricted for development of NXP ARM7, ARM9, Cortex-M0, Cortex-M3, Cortex-M4, Cortex-M33, Cortex-M7, and Cortex-A7 based products only.

SEGGER Microcontroller - J-Link/J-Trace Software: Segger software must be used consistent with the terms found here: <http://www.segger.com/jlink-software.html>

Synopsys/Target Compiler Technologies: Your use of the Synopsys/Target Compiler Technologies Licensed Software and related documentation is subject to the following:

(1) Duration of the license for the Licensed Software is limited to 12 months, unless otherwise specified in the license file.

(2) The Licensed Software is usable by one user at a time on a single designated computer, unless otherwise agreed by Synopsys.

(3) Licensed Software and documentation are to be used only on a designated computer at the designated physical address provided by you on the APEX license form.

(4) The Licensed Software is not sub-licensable.

TARA Systems: Use of TARA Systems GUI technology Embedded Wizard is limited to evaluation and demonstration only. Permitted distributions must be similarly limited. Further rights must be obtained directly from TARA Systems.

Texas Instruments: Your use of Texas Instruments Inc. WiLink8 Licensed Software is restricted to NXP SoC based systems that include a compatible connectivity device manufactured by TI.

TES Electronic Solutions Germany (TES): TES 3D Surround View software and associated data and documentation may only be used for evaluation purposes and for demonstration to third parties in integrated form on a board package containing an NXP S32V234 device. Licensee may not distribute or sublicense the TES software. Your license to the TES software may be terminated at any time upon notice.

Vivante: Distribution of Vivante software must be a part of, or embedded within, Authorized Systems that include a Vivante Graphics Processing Unit.