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| --- | --- | --- |
| **OSS Component Clearing report** | | |
| **Clearing Information** | **Department** | FOSSology Generation |
| **Prepared by** | 2020/11/25 fossy (fossy) |
| **Reviewed by (opt.)** | NA |
| **Report release date** | NA |
| **Component Information** | **Community** | NA |
| **Component** | NA |
| **Version** | NA |
| **Component hash (SHA-1)** | FF49338CF939DE9ED778BBC1150D0308F7EC3DE8 |
| **Release date** | NA |
| **Main license(s)** | Microchip, MIT, Apache-2.0, LGPL-2.1+. |
|  | **Other license(s)** | License(s) Not Identified. |
|  | **Fossology Upload/Package Link** | http://192.168.1.20/repo/?mod=showjobs&upload=6 |
|  | **SW360 Portal Link** | NA |
|  | **Result of License Scan** | Apache-2.0, Apache-possibility, LGPL-2.1+, MIT, No\_license\_found, See-file, Microchip. |

## Assessment Summary

The following table only contains significant obligations, restrictions & risks for a quick overview – all obligations, restrictions & risks according to Section 3 must be considered.

|  |  |
| --- | --- |
| **General assessment** | *NA* |
|  |  |
| **Source / binary integration notes** | *no critical files found, source code and binaries can be used as is*  *critical files found, source code needs to be adapted and binaries possibly re-built* |
| **Dependency notes** | *no dependencies found, neither in source code nor in binaries*  *dependencies found in source code (see obligations)*  *dependencies found in binaries (see obligations)* |
| **Export restrictions by copyright owner** | *no export restrictions found*  *export restrictions found (see obligations)* |
| **Restrictions for use (e.g. not for Nuclear Power) by copyright owner** | *no restrictions for use found*  *restrictions for use found (see obligations)* |
| **Additional notes** | *NA* |
| **General Risks (optional)** | *NA* |

## Required license compliance tasks

### Common obligations, restrictions and risks:

There is a list of common rules which was defined to simplify the To-Dos for development and distribution. The following list contains rules for development, and distribution which must always be followed!

|  |  |
| --- | --- |
| **2.1.1** | **Documentation of license conditions and copyright notices in product documentation (License Notice File / README\_OSS) is provided by this component clearing report:** |
|  |  |
| **2.1.2** | **Additional Common Obligations:**  **Need to be ensured by the distributing party:** |
|  |  |
| **2.1.3** | **Obligations and risk assessment regarding distribution** |
|  |  |

### Additional obligations, restrictions & risks beyond common rules

This chapter contains all obligations in addition to “common obligations, restrictions and risks” (common rules) of included OSS licenses (need to get added manually during component clearing process).

|  |  |  |
| --- | --- | --- |
| **Obligation** | **License** | **License section reference and short Description** |
|  |  |  |

## Acknowledgements

**(Reference to the license, Text of acknowledgements, File path)**

|  |  |  |
| --- | --- | --- |
|  |  |  |

## Export Restrictions

**The content of this paragraph is not the result of the evaluation of the export control experts (the ECCN). It contains information found by the scanner which shall be taken in consideration by the export control experts during the evaluation process. If the scanner identifies an ECCN it will be listed here. (NOTE: The ECCN is seen as an attribute of the component release and thus it shall be present in the component catalogue.**

**(Statements, Comments, File path)**

|  |  |  |
| --- | --- | --- |
|  |  |  |

## Notes

Only such source code of this component may be used-

* + which has been checked by and obtained via the Clearing Center or
  + which has been submitted to Clearing Support to be checked

Other source code or binaries from the Internet **must not be** used.

The following chapters are generated by the source code scanner.

### Notes on individual files

**(License name, Comment Entered, File path)**

|  |  |  |
| --- | --- | --- |
|  |  |  |

## Results of License Scan

**(Scanner count, Concluded license count, License name)**

|  |  |  |
| --- | --- | --- |
| 203 | 206 | Apache-2.0 |
| 1 | 0 | Apache-possibility |
| 2 | 2 | LGPL-2.1+ |
| 5 | 5 | MIT |
| 146 | 0 | No\_license\_found |
| 2 | 0 | See-file |
| 0 | 93 | Microchip |

## Main Licenses

**(License name, License text, File path)**

|  |  |  |
| --- | --- | --- |
| **Microchip** | Subject to your compliance with these terms, you may use Microchip software   and any derivatives exclusively with Microchip products. It is your   responsibility to comply with third party license terms applicable to your   use of third party software (including open source software) that may   accompany Microchip software.     THIS SOFTWARE IS SUPPLIED BY MICROCHIP "AS IS". NO WARRANTIES, WHETHER   EXPRESS, IMPLIED OR STATUTORY, APPLY TO THIS SOFTWARE, INCLUDING ANY IMPLIED   WARRANTIES OF NON-INFRINGEMENT, MERCHANTABILITY, AND FITNESS FOR A   PARTICULAR PURPOSE. IN NO EVENT WILL MICROCHIP BE LIABLE FOR ANY INDIRECT,   SPECIAL, PUNITIVE, INCIDENTAL OR CONSEQUENTIAL LOSS, DAMAGE, COST OR EXPENSE   OF ANY KIND WHATSOEVER RELATED TO THE SOFTWARE, HOWEVER CAUSED, EVEN IF   MICROCHIP HAS BEEN ADVISED OF THE POSSIBILITY OR THE DAMAGES ARE   FORESEEABLE. TO THE FULLEST EXTENT ALLOWED BY LAW, MICROCHIP'S TOTAL   LIABILITY ON ALL CLAIMS IN ANY WAY RELATED TO THIS SOFTWARE WILL NOT EXCEED   THE AMOUNT OF FEES, IF ANY, THAT YOU HAVE PAID DIRECTLY TO MICROCHIP FOR   THIS SOFTWARE. | src/cryptoauthlib/atca\_basic.c  src/cryptoauthlib/atca\_basic.h  src/cryptoauthlib/atca\_bool.h  src/cryptoauthlib/atca\_cfgs.c  src/cryptoauthlib/atca\_cfgs.h  src/cryptoauthlib/atca\_command.c  src/cryptoauthlib/atca\_command.h  src/cryptoauthlib/atca\_compiler.h  src/cryptoauthlib/atca\_config.h  src/cryptoauthlib/atca\_crypto\_hw\_aes.h  src/cryptoauthlib/atca\_crypto\_hw\_aes\_cbc.c  src/cryptoauthlib/atca\_crypto\_hw\_aes\_cmac.c  src/cryptoauthlib/atca\_crypto\_hw\_aes\_ctr.c  src/cryptoauthlib/atca\_crypto\_sw.h  src/cryptoauthlib/atca\_crypto\_sw\_ecdsa.c  src/cryptoauthlib/atca\_crypto\_sw\_ecdsa.h  src/cryptoauthlib/atca\_crypto\_sw\_rand.c  src/cryptoauthlib/atca\_crypto\_sw\_rand.h  src/cryptoauthlib/atca\_crypto\_sw\_sha1.c  src/cryptoauthlib/atca\_crypto\_sw\_sha1.h  src/cryptoauthlib/atca\_crypto\_sw\_sha2.c  src/cryptoauthlib/atca\_crypto\_sw\_sha2.h  src/cryptoauthlib/atca\_debug.c  src/cryptoauthlib/atca\_debug.h  src/cryptoauthlib/atca\_device.c  src/cryptoauthlib/atca\_device.h  src/cryptoauthlib/atca\_devtypes.h  src/cryptoauthlib/atca\_hal.c  src/cryptoauthlib/atca\_hal.h  src/cryptoauthlib/atca\_helpers.c  src/cryptoauthlib/atca\_helpers.h  src/cryptoauthlib/atca\_host.c  src/cryptoauthlib/atca\_host.h  src/cryptoauthlib/atca\_iface.c  src/cryptoauthlib/atca\_iface.h  src/cryptoauthlib/atca\_mbedtls\_ecdh.c  src/cryptoauthlib/atca\_mbedtls\_ecdsa.c  src/cryptoauthlib/atca\_mbedtls\_wrap.c  src/cryptoauthlib/atca\_mbedtls\_wrap.h  src/cryptoauthlib/atca\_start\_config.h  src/cryptoauthlib/atca\_start\_iface.h  src/cryptoauthlib/atca\_status.h  src/cryptoauthlib/atca\_version.h  src/cryptoauthlib/atcacert.h  src/cryptoauthlib/atcacert\_client.c  src/cryptoauthlib/atcacert\_client.h  src/cryptoauthlib/atcacert\_date.c  src/cryptoauthlib/atcacert\_date.h  src/cryptoauthlib/atcacert\_def.c  src/cryptoauthlib/atcacert\_def.h  src/cryptoauthlib/atcacert\_der.c  src/cryptoauthlib/atcacert\_der.h  src/cryptoauthlib/atcacert\_host\_hw.c  src/cryptoauthlib/atcacert\_host\_hw.h  src/cryptoauthlib/atcacert\_host\_sw.c  src/cryptoauthlib/atcacert\_host\_sw.h  src/cryptoauthlib/atcacert\_pem.c  src/cryptoauthlib/atcacert\_pem.h  src/cryptoauthlib/calib\_aes.c  src/cryptoauthlib/calib\_aes\_gcm.c  src/cryptoauthlib/calib\_aes\_gcm.h  src/cryptoauthlib/calib\_basic.c  src/cryptoauthlib/calib\_checkmac.c  src/cryptoauthlib/calib\_command.c  src/cryptoauthlib/calib\_command.h  src/cryptoauthlib/calib\_counter.c  src/cryptoauthlib/calib\_derivekey.c  src/cryptoauthlib/calib\_ecdh.c  src/cryptoauthlib/calib\_execution.c  src/cryptoauthlib/calib\_execution.h  src/cryptoauthlib/calib\_gendig.c  src/cryptoauthlib/calib\_genkey.c  src/cryptoauthlib/calib\_hmac.c  src/cryptoauthlib/calib\_info.c  src/cryptoauthlib/calib\_kdf.c  src/cryptoauthlib/calib\_lock.c  src/cryptoauthlib/calib\_mac.c  src/cryptoauthlib/calib\_nonce.c  src/cryptoauthlib/calib\_privwrite.c  src/cryptoauthlib/calib\_random.c  src/cryptoauthlib/calib\_read.c  src/cryptoauthlib/calib\_secureboot.c  src/cryptoauthlib/calib\_selftest.c  src/cryptoauthlib/calib\_sha.c  src/cryptoauthlib/calib\_sign.c  src/cryptoauthlib/calib\_updateextra.c  src/cryptoauthlib/calib\_verify.c  src/cryptoauthlib/calib\_write.c  src/cryptoauthlib/cryptoauthlib.h  src/cryptoauthlib/sha1\_routines.c  src/cryptoauthlib/sha1\_routines.h  src/cryptoauthlib/sha2\_routines.c  src/cryptoauthlib/sha2\_routines.h |
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See the License for the specific language governing permissions and    limitations under the License. | src/mbedtls/aes.c  src/mbedtls/aes.h  src/mbedtls/aes\_alt.h  src/mbedtls/aesni.c  src/mbedtls/aesni.h  src/mbedtls/arc4.c  src/mbedtls/arc4.h  src/mbedtls/aria.c  src/mbedtls/aria.h  src/mbedtls/asn1.h  src/mbedtls/asn1parse.c  src/mbedtls/asn1write.c  src/mbedtls/asn1write.h  src/mbedtls/base64.c  src/mbedtls/base64.h  src/mbedtls/bignum.c  src/mbedtls/bignum.h  src/mbedtls/blowfish.c  src/mbedtls/blowfish.h  src/mbedtls/bn\_mul.h  src/mbedtls/camellia.c  src/mbedtls/camellia.h  src/mbedtls/ccm.c  src/mbedtls/ccm.h  src/mbedtls/certs.c  src/mbedtls/certs.h  src/mbedtls/chacha20.c  src/mbedtls/chacha20.h  src/mbedtls/chachapoly.c  src/mbedtls/chachapoly.h  src/mbedtls/check\_config.h  src/mbedtls/cipher.c  src/mbedtls/cipher.h  src/mbedtls/cipher\_internal.h  src/mbedtls/cipher\_wrap.c  src/mbedtls/cmac.c  src/mbedtls/cmac.h  src/mbedtls/common.h  src/mbedtls/compat-1.3.h  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src/mbedtls/esp\_bignum.c  src/mbedtls/esp\_hardware.c  src/mbedtls/esp\_mem.c  src/mbedtls/esp\_mem.h  src/mbedtls/esp\_sha.c  src/mbedtls/esp\_sha1.c  src/mbedtls/esp\_sha256.c  src/mbedtls/esp\_sha512.c  src/mbedtls/gcm.c  src/mbedtls/gcm.h  src/mbedtls/havege.c  src/mbedtls/havege.h  src/mbedtls/hkdf.c  src/mbedtls/hkdf.h  src/mbedtls/hmac\_drbg.c  src/mbedtls/hmac\_drbg.h  src/mbedtls/hwcrypto\_periph.h  src/mbedtls/mbedtls\_debug.c  src/mbedtls/md.c  src/mbedtls/md.h  src/mbedtls/md2.c  src/mbedtls/md2.h  src/mbedtls/md4.c  src/mbedtls/md4.h  src/mbedtls/md5.c  src/mbedtls/md5.h  src/mbedtls/md\_internal.h  src/mbedtls/memory\_buffer\_alloc.c  src/mbedtls/memory\_buffer\_alloc.h  src/mbedtls/net.h  src/mbedtls/net\_sockets.c  src/mbedtls/net\_sockets.h  src/mbedtls/nist\_kw.c  src/mbedtls/nist\_kw.h  src/mbedtls/oid.c  src/mbedtls/oid.h  src/mbedtls/padlock.c  src/mbedtls/padlock.h  src/mbedtls/pem.c  src/mbedtls/pem.h  src/mbedtls/pk.c  src/mbedtls/pk.h  src/mbedtls/pk\_internal.h  src/mbedtls/pk\_wrap.c  src/mbedtls/pkcs11.c  src/mbedtls/pkcs11.h  src/mbedtls/pkcs12.c  src/mbedtls/pkcs12.h  src/mbedtls/pkcs5.c  src/mbedtls/pkcs5.h  src/mbedtls/pkparse.c  src/mbedtls/pkwrite.c  src/mbedtls/platform.c  src/mbedtls/platform.h  src/mbedtls/platform\_time.h  src/mbedtls/platform\_util.c  src/mbedtls/platform\_util.h  src/mbedtls/poly1305.c  src/mbedtls/poly1305.h  src/mbedtls/psa\_crypto.c  src/mbedtls/psa\_crypto\_core.h  src/mbedtls/psa\_crypto\_driver\_wrappers.c  src/mbedtls/psa\_crypto\_driver\_wrappers.h  src/mbedtls/psa\_crypto\_invasive.h  src/mbedtls/psa\_crypto\_its.h  src/mbedtls/psa\_crypto\_se.c  src/mbedtls/psa\_crypto\_se.h  src/mbedtls/psa\_crypto\_service\_integration.h  src/mbedtls/psa\_crypto\_slot\_management.c  src/mbedtls/psa\_crypto\_slot\_management.h  src/mbedtls/psa\_crypto\_storage.c  src/mbedtls/psa\_crypto\_storage.h  src/mbedtls/psa\_its\_file.c  src/mbedtls/psa\_util.h  src/mbedtls/ripemd160.c  src/mbedtls/ripemd160.h  src/mbedtls/rsa.c  src/mbedtls/rsa.h  src/mbedtls/rsa\_internal.c  src/mbedtls/rsa\_internal.h  src/mbedtls/sha1.c  src/mbedtls/sha1.h  src/mbedtls/sha1\_alt.h  src/mbedtls/sha256.c  src/mbedtls/sha256.h  src/mbedtls/sha256\_alt.h  src/mbedtls/sha512.c  src/mbedtls/sha512.h  src/mbedtls/sha512\_alt.h  src/mbedtls/ssl.h  src/mbedtls/ssl\_cache.c  src/mbedtls/ssl\_cache.h  src/mbedtls/ssl\_ciphersuites.c  src/mbedtls/ssl\_ciphersuites.h  src/mbedtls/ssl\_cli.c  src/mbedtls/ssl\_cookie.c  src/mbedtls/ssl\_cookie.h  src/mbedtls/ssl\_internal.h  src/mbedtls/ssl\_invasive.h  src/mbedtls/ssl\_msg.c  src/mbedtls/ssl\_srv.c  src/mbedtls/ssl\_ticket.c  src/mbedtls/ssl\_ticket.h  src/mbedtls/ssl\_tls.c  src/mbedtls/ssl\_tls13\_keys.c  src/mbedtls/ssl\_tls13\_keys.h  src/mbedtls/threading.c  src/mbedtls/threading.h  src/mbedtls/timing.c  src/mbedtls/timing.h  src/mbedtls/version.c  src/mbedtls/version.h  src/mbedtls/version\_features.c  src/mbedtls/x509.c  src/mbedtls/x509.h  src/mbedtls/x509\_create.c  src/mbedtls/x509\_crl.c  src/mbedtls/x509\_crl.h  src/mbedtls/x509\_crt.c  src/mbedtls/x509\_crt.h  src/mbedtls/x509\_csr.c  src/mbedtls/x509\_csr.h  src/mbedtls/x509write\_crt.c  src/mbedtls/x509write\_csr.c  src/mbedtls/xtea.c  src/mbedtls/xtea.h  src/ssl\_client.cpp  src/ssl\_client.h |
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| Copyright The Mbed TLS Contributors SPDX-License-Identifier: Apache-2.0 |  | src/mbedtls/aes.c  src/mbedtls/aes.h  src/mbedtls/aesni.c  src/mbedtls/aesni.h  src/mbedtls/arc4.c  src/mbedtls/arc4.h  src/mbedtls/aria.c  src/mbedtls/aria.h  src/mbedtls/asn1.h  src/mbedtls/asn1parse.c  src/mbedtls/asn1write.c  src/mbedtls/asn1write.h  src/mbedtls/base64.c  src/mbedtls/base64.h  src/mbedtls/bignum.c  src/mbedtls/bignum.h  src/mbedtls/blowfish.c  src/mbedtls/blowfish.h  src/mbedtls/bn\_mul.h  src/mbedtls/camellia.c  src/mbedtls/camellia.h  src/mbedtls/ccm.c  src/mbedtls/ccm.h  src/mbedtls/certs.c  src/mbedtls/certs.h  src/mbedtls/chacha20.c  src/mbedtls/chacha20.h  src/mbedtls/chachapoly.c  src/mbedtls/chachapoly.h  src/mbedtls/check\_config.h  src/mbedtls/cipher.c  src/mbedtls/cipher.h  src/mbedtls/cipher\_internal.h  src/mbedtls/cipher\_wrap.c  src/mbedtls/cmac.c  src/mbedtls/cmac.h  src/mbedtls/common.h  src/mbedtls/compat-1.3.h  src/mbedtls/config.h  src/mbedtls/crypto.h  src/mbedtls/crypto\_accel\_driver.h  src/mbedtls/crypto\_compat.h  src/mbedtls/crypto\_driver\_common.h  src/mbedtls/crypto\_entropy\_driver.h  src/mbedtls/crypto\_extra.h  src/mbedtls/crypto\_platform.h  src/mbedtls/crypto\_se\_driver.h  src/mbedtls/crypto\_sizes.h  src/mbedtls/crypto\_struct.h  src/mbedtls/crypto\_types.h  src/mbedtls/crypto\_values.h  src/mbedtls/ctr\_drbg.c  src/mbedtls/ctr\_drbg.h  src/mbedtls/debug.c  src/mbedtls/debug.h  src/mbedtls/des.c  src/mbedtls/des.h  src/mbedtls/dhm.c  src/mbedtls/dhm.h  src/mbedtls/ecdh.c  src/mbedtls/ecdh.h  src/mbedtls/ecdsa.c  src/mbedtls/ecdsa.h  src/mbedtls/ecjpake.c  src/mbedtls/ecjpake.h  src/mbedtls/ecp.c  src/mbedtls/ecp.h  src/mbedtls/ecp\_curves.c  src/mbedtls/ecp\_internal.h  src/mbedtls/entropy.c  src/mbedtls/entropy.h  src/mbedtls/entropy\_poll.c  src/mbedtls/entropy\_poll.h  src/mbedtls/error.c  src/mbedtls/error.h  src/mbedtls/gcm.c  src/mbedtls/gcm.h  src/mbedtls/havege.c  src/mbedtls/havege.h  src/mbedtls/hkdf.c  src/mbedtls/hkdf.h  src/mbedtls/hmac\_drbg.c  src/mbedtls/hmac\_drbg.h  src/mbedtls/md.c  src/mbedtls/md.h  src/mbedtls/md2.c  src/mbedtls/md2.h  src/mbedtls/md4.c  src/mbedtls/md4.h  src/mbedtls/md5.c  src/mbedtls/md5.h  src/mbedtls/md\_internal.h  src/mbedtls/memory\_buffer\_alloc.c  src/mbedtls/memory\_buffer\_alloc.h  src/mbedtls/net.h  src/mbedtls/net\_sockets.h  src/mbedtls/nist\_kw.c  src/mbedtls/nist\_kw.h  src/mbedtls/oid.c  src/mbedtls/oid.h  src/mbedtls/padlock.c  src/mbedtls/padlock.h  src/mbedtls/pem.c  src/mbedtls/pem.h  src/mbedtls/pk.c  src/mbedtls/pk.h  src/mbedtls/pk\_internal.h  src/mbedtls/pk\_wrap.c  src/mbedtls/pkcs11.c  src/mbedtls/pkcs11.h  src/mbedtls/pkcs12.c  src/mbedtls/pkcs12.h  src/mbedtls/pkcs5.c  src/mbedtls/pkcs5.h  src/mbedtls/pkparse.c  src/mbedtls/pkwrite.c  src/mbedtls/platform.c  src/mbedtls/platform.h  src/mbedtls/platform\_time.h  src/mbedtls/platform\_util.c  src/mbedtls/platform\_util.h  src/mbedtls/poly1305.c  src/mbedtls/poly1305.h  src/mbedtls/psa\_crypto.c  src/mbedtls/psa\_crypto\_core.h  src/mbedtls/psa\_crypto\_driver\_wrappers.c  src/mbedtls/psa\_crypto\_driver\_wrappers.h  src/mbedtls/psa\_crypto\_invasive.h  src/mbedtls/psa\_crypto\_its.h  src/mbedtls/psa\_crypto\_se.c  src/mbedtls/psa\_crypto\_se.h  src/mbedtls/psa\_crypto\_service\_integration.h  src/mbedtls/psa\_crypto\_slot\_management.c  src/mbedtls/psa\_crypto\_slot\_management.h  src/mbedtls/psa\_crypto\_storage.c  src/mbedtls/psa\_crypto\_storage.h  src/mbedtls/psa\_its\_file.c  src/mbedtls/psa\_util.h  src/mbedtls/ripemd160.c  src/mbedtls/ripemd160.h  src/mbedtls/rsa.c  src/mbedtls/rsa.h  src/mbedtls/rsa\_internal.c  src/mbedtls/rsa\_internal.h  src/mbedtls/sha1.c  src/mbedtls/sha1.h  src/mbedtls/sha256.c  src/mbedtls/sha256.h  src/mbedtls/sha512.c  src/mbedtls/sha512.h  src/mbedtls/ssl.h  src/mbedtls/ssl\_cache.c  src/mbedtls/ssl\_cache.h  src/mbedtls/ssl\_ciphersuites.c  src/mbedtls/ssl\_ciphersuites.h  src/mbedtls/ssl\_cli.c  src/mbedtls/ssl\_cookie.c  src/mbedtls/ssl\_cookie.h  src/mbedtls/ssl\_internal.h  src/mbedtls/ssl\_invasive.h  src/mbedtls/ssl\_msg.c  src/mbedtls/ssl\_srv.c  src/mbedtls/ssl\_ticket.c  src/mbedtls/ssl\_ticket.h  src/mbedtls/ssl\_tls.c  src/mbedtls/ssl\_tls13\_keys.c  src/mbedtls/ssl\_tls13\_keys.h  src/mbedtls/threading.c  src/mbedtls/threading.h  src/mbedtls/timing.c  src/mbedtls/timing.h  src/mbedtls/version.c  src/mbedtls/version.h  src/mbedtls/version\_features.c  src/mbedtls/x509.c  src/mbedtls/x509.h  src/mbedtls/x509\_create.c  src/mbedtls/x509\_crl.c  src/mbedtls/x509\_crl.h  src/mbedtls/x509\_crt.c  src/mbedtls/x509\_crt.h  src/mbedtls/x509\_csr.c  src/mbedtls/x509\_csr.h  src/mbedtls/x509write\_crt.c  src/mbedtls/x509write\_csr.c  src/mbedtls/xtea.c  src/mbedtls/xtea.h |
| Copyright 2019 Espressif Systems (Shanghai) PTE LTD |  | src/mbedtls/hwcrypto\_periph.h |
| Copyright 2018-2019 Espressif Systems (Shanghai) PTE LTD |  | src/mbedtls/esp\_sha.c |
| Copyright 2018 Espressif Systems (Shanghai) PTE LTD |  | src/mbedtls/esp\_mem.c  src/mbedtls/esp\_mem.h |
| Copyright 2015-2016 Espressif Systems (Shanghai) PTE LTD |  | src/mbedtls/bignum.h  src/mbedtls/esp32/sha.h  src/mbedtls/mbedtls\_debug.c |
| Copyright (c) 2020 kmwebnet |  | examples/connectAWS/cert\_chain.c  examples/connectAWS/connectAWS.ino  src/cert\_chain.h  src/rtconfig.c  src/rtconfig.h |
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| Copyright (C) 2016, Espressif Systems (Shanghai) PTE Ltd SPDX-License-Identifier: Apache-2.0 |  | src/mbedtls/esp32/aes.h  src/mbedtls/esp\_bignum.c |
| Copyright (C) 2016, Espressif Systems (Shanghai) PTE LTD SPDX-License-Identifier: Apache-2.0 |  | src/mbedtls/esp\_sha1.c  src/mbedtls/esp\_sha256.c  src/mbedtls/esp\_sha512.c  src/mbedtls/sha1\_alt.h  src/mbedtls/sha256\_alt.h  src/mbedtls/sha512\_alt.h |
| Copyright (C) 2015 Angus Gratton SPDX-License-Identifier: Apache-2.0 |  | src/mbedtls/net\_sockets.c |
| Copyright (C) 2006-2015, ARM Limited, All Rights Reserved, Apache 2.0 License. |  | src/ssl\_client.cpp |
| Copyright (C) 2006-2015, ARM Limited, All Rights Reserved SPDX-License-Identifier: Apache-2.0 |  | src/mbedtls/aes\_alt.h |
| Copyright (C) 2006-2015, ARM Limited, All Rights Reserved |  | src/mbedtls/esp32/aes.h  src/mbedtls/esp\_bignum.c  src/mbedtls/esp\_sha1.c  src/mbedtls/esp\_sha256.c  src/mbedtls/esp\_sha512.c  src/mbedtls/net\_sockets.c  src/mbedtls/sha1\_alt.h  src/mbedtls/sha256\_alt.h  src/mbedtls/sha512\_alt.h |
| (c) \ |  | src/mbedtls/bn\_mul.h |

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## Bulk Findings

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|  |  |  |
| --- | --- | --- |
| **[add] Microchip** | Microchip Technology | src/cryptoauthlib/atca\_basic.c  src/cryptoauthlib/atca\_basic.h  src/cryptoauthlib/atca\_bool.h  src/cryptoauthlib/atca\_cfgs.c  src/cryptoauthlib/atca\_cfgs.h  src/cryptoauthlib/atca\_command.c  src/cryptoauthlib/atca\_command.h  src/cryptoauthlib/atca\_compiler.h  src/cryptoauthlib/atca\_crypto\_hw\_aes.h  src/cryptoauthlib/atca\_crypto\_hw\_aes\_cbc.c  src/cryptoauthlib/atca\_crypto\_hw\_aes\_cmac.c  src/cryptoauthlib/atca\_crypto\_hw\_aes\_ctr.c  src/cryptoauthlib/atca\_crypto\_sw.h  src/cryptoauthlib/atca\_crypto\_sw\_ecdsa.c  src/cryptoauthlib/atca\_crypto\_sw\_ecdsa.h  src/cryptoauthlib/atca\_crypto\_sw\_rand.c  src/cryptoauthlib/atca\_crypto\_sw\_rand.h  src/cryptoauthlib/atca\_crypto\_sw\_sha1.c  src/cryptoauthlib/atca\_crypto\_sw\_sha1.h  src/cryptoauthlib/atca\_crypto\_sw\_sha2.c  src/cryptoauthlib/atca\_crypto\_sw\_sha2.h  src/cryptoauthlib/atca\_debug.c  src/cryptoauthlib/atca\_device.c  src/cryptoauthlib/atca\_device.h  src/cryptoauthlib/atca\_devtypes.h  src/cryptoauthlib/atca\_hal.c  src/cryptoauthlib/atca\_hal.h  src/cryptoauthlib/atca\_helpers.c  src/cryptoauthlib/atca\_helpers.h  src/cryptoauthlib/atca\_host.c  src/cryptoauthlib/atca\_host.h  src/cryptoauthlib/atca\_iface.c  src/cryptoauthlib/atca\_iface.h  src/cryptoauthlib/atca\_mbedtls\_ecdh.c  src/cryptoauthlib/atca\_mbedtls\_ecdsa.c  src/cryptoauthlib/atca\_mbedtls\_wrap.c  src/cryptoauthlib/atca\_mbedtls\_wrap.h  src/cryptoauthlib/atca\_status.h  src/cryptoauthlib/atca\_version.h  src/cryptoauthlib/atcacert.h  src/cryptoauthlib/atcacert\_client.c  src/cryptoauthlib/atcacert\_client.h  src/cryptoauthlib/atcacert\_date.c  src/cryptoauthlib/atcacert\_date.h  src/cryptoauthlib/atcacert\_def.c  src/cryptoauthlib/atcacert\_def.h  src/cryptoauthlib/atcacert\_der.c  src/cryptoauthlib/atcacert\_der.h  src/cryptoauthlib/atcacert\_host\_hw.c  src/cryptoauthlib/atcacert\_host\_hw.h  src/cryptoauthlib/atcacert\_host\_sw.c  src/cryptoauthlib/atcacert\_host\_sw.h  src/cryptoauthlib/atcacert\_pem.c  src/cryptoauthlib/atcacert\_pem.h  src/cryptoauthlib/calib\_aes.c  src/cryptoauthlib/calib\_aes\_gcm.c  src/cryptoauthlib/calib\_aes\_gcm.h  src/cryptoauthlib/calib\_basic.c  src/cryptoauthlib/calib\_checkmac.c  src/cryptoauthlib/calib\_command.c  src/cryptoauthlib/calib\_command.h  src/cryptoauthlib/calib\_counter.c  src/cryptoauthlib/calib\_derivekey.c  src/cryptoauthlib/calib\_ecdh.c  src/cryptoauthlib/calib\_execution.c  src/cryptoauthlib/calib\_execution.h  src/cryptoauthlib/calib\_gendig.c  src/cryptoauthlib/calib\_genkey.c  src/cryptoauthlib/calib\_hmac.c  src/cryptoauthlib/calib\_info.c  src/cryptoauthlib/calib\_kdf.c  src/cryptoauthlib/calib\_lock.c  src/cryptoauthlib/calib\_mac.c  src/cryptoauthlib/calib\_nonce.c  src/cryptoauthlib/calib\_privwrite.c  src/cryptoauthlib/calib\_random.c  src/cryptoauthlib/calib\_read.c  src/cryptoauthlib/calib\_secureboot.c  src/cryptoauthlib/calib\_selftest.c  src/cryptoauthlib/calib\_sha.c  src/cryptoauthlib/calib\_sign.c  src/cryptoauthlib/calib\_updateextra.c  src/cryptoauthlib/calib\_verify.c  src/cryptoauthlib/calib\_write.c  src/cryptoauthlib/cryptoauthlib.h  src/cryptoauthlib/sha1\_routines.c  src/cryptoauthlib/sha1\_routines.h  src/cryptoauthlib/sha2\_routines.c  src/cryptoauthlib/sha2\_routines.h |
| **[add] Apache-2.0** | SPDX-License-Identifier: Apache-2.0 | src/mbedtls/aes.c  src/mbedtls/aes.h  src/mbedtls/aes\_alt.h  src/mbedtls/aesni.c  src/mbedtls/aesni.h  src/mbedtls/arc4.c  src/mbedtls/arc4.h  src/mbedtls/aria.c  src/mbedtls/aria.h  src/mbedtls/asn1.h  src/mbedtls/asn1parse.c  src/mbedtls/asn1write.c  src/mbedtls/asn1write.h  src/mbedtls/base64.c  src/mbedtls/base64.h  src/mbedtls/bignum.c  src/mbedtls/bignum.h  src/mbedtls/blowfish.c  src/mbedtls/blowfish.h  src/mbedtls/bn\_mul.h  src/mbedtls/camellia.c  src/mbedtls/camellia.h  src/mbedtls/ccm.c  src/mbedtls/ccm.h  src/mbedtls/certs.c  src/mbedtls/certs.h  src/mbedtls/chacha20.c  src/mbedtls/chacha20.h  src/mbedtls/chachapoly.c  src/mbedtls/chachapoly.h  src/mbedtls/check\_config.h  src/mbedtls/cipher.c  src/mbedtls/cipher.h  src/mbedtls/cipher\_internal.h  src/mbedtls/cipher\_wrap.c  src/mbedtls/cmac.c  src/mbedtls/cmac.h  src/mbedtls/common.h  src/mbedtls/compat-1.3.h  src/mbedtls/config.h  src/mbedtls/crypto.h  src/mbedtls/crypto\_accel\_driver.h  src/mbedtls/crypto\_compat.h  src/mbedtls/crypto\_driver\_common.h  src/mbedtls/crypto\_entropy\_driver.h  src/mbedtls/crypto\_extra.h  src/mbedtls/crypto\_platform.h  src/mbedtls/crypto\_se\_driver.h  src/mbedtls/crypto\_sizes.h  src/mbedtls/crypto\_struct.h  src/mbedtls/crypto\_types.h  src/mbedtls/crypto\_values.h  src/mbedtls/ctr\_drbg.c  src/mbedtls/ctr\_drbg.h  src/mbedtls/debug.c  src/mbedtls/debug.h  src/mbedtls/des.c  src/mbedtls/des.h  src/mbedtls/dhm.c  src/mbedtls/dhm.h  src/mbedtls/ecdh.c  src/mbedtls/ecdh.h  src/mbedtls/ecdsa.c  src/mbedtls/ecdsa.h  src/mbedtls/ecjpake.c  src/mbedtls/ecjpake.h  src/mbedtls/ecp.c  src/mbedtls/ecp.h  src/mbedtls/ecp\_curves.c  src/mbedtls/ecp\_internal.h  src/mbedtls/entropy.c  src/mbedtls/entropy.h  src/mbedtls/entropy\_poll.c  src/mbedtls/entropy\_poll.h  src/mbedtls/error.c  src/mbedtls/error.h  src/mbedtls/esp32/aes.h  src/mbedtls/esp\_bignum.c  src/mbedtls/esp\_sha1.c  src/mbedtls/esp\_sha256.c  src/mbedtls/esp\_sha512.c  src/mbedtls/gcm.c  src/mbedtls/gcm.h  src/mbedtls/havege.c  src/mbedtls/havege.h  src/mbedtls/hkdf.c  src/mbedtls/hkdf.h  src/mbedtls/hmac\_drbg.c  src/mbedtls/hmac\_drbg.h  src/mbedtls/md.c  src/mbedtls/md.h  src/mbedtls/md2.c  src/mbedtls/md2.h  src/mbedtls/md4.c  src/mbedtls/md4.h  src/mbedtls/md5.c  src/mbedtls/md5.h  src/mbedtls/md\_internal.h  src/mbedtls/memory\_buffer\_alloc.c  src/mbedtls/memory\_buffer\_alloc.h  src/mbedtls/net.h  src/mbedtls/net\_sockets.c  src/mbedtls/net\_sockets.h  src/mbedtls/nist\_kw.c  src/mbedtls/nist\_kw.h  src/mbedtls/oid.c  src/mbedtls/oid.h  src/mbedtls/padlock.c  src/mbedtls/padlock.h  src/mbedtls/pem.c  src/mbedtls/pem.h  src/mbedtls/pk.c  src/mbedtls/pk.h  src/mbedtls/pk\_internal.h  src/mbedtls/pk\_wrap.c  src/mbedtls/pkcs11.c  src/mbedtls/pkcs11.h  src/mbedtls/pkcs12.c  src/mbedtls/pkcs12.h  src/mbedtls/pkcs5.c  src/mbedtls/pkcs5.h  src/mbedtls/pkparse.c  src/mbedtls/pkwrite.c  src/mbedtls/platform.c  src/mbedtls/platform.h  src/mbedtls/platform\_time.h  src/mbedtls/platform\_util.c  src/mbedtls/platform\_util.h  src/mbedtls/poly1305.c  src/mbedtls/poly1305.h  src/mbedtls/psa\_crypto.c  src/mbedtls/psa\_crypto\_core.h  src/mbedtls/psa\_crypto\_driver\_wrappers.c  src/mbedtls/psa\_crypto\_driver\_wrappers.h  src/mbedtls/psa\_crypto\_invasive.h  src/mbedtls/psa\_crypto\_its.h  src/mbedtls/psa\_crypto\_se.c  src/mbedtls/psa\_crypto\_se.h  src/mbedtls/psa\_crypto\_service\_integration.h  src/mbedtls/psa\_crypto\_slot\_management.c  src/mbedtls/psa\_crypto\_slot\_management.h  src/mbedtls/psa\_crypto\_storage.c  src/mbedtls/psa\_crypto\_storage.h  src/mbedtls/psa\_its\_file.c  src/mbedtls/psa\_util.h  src/mbedtls/ripemd160.c  src/mbedtls/ripemd160.h  src/mbedtls/rsa.c  src/mbedtls/rsa.h  src/mbedtls/rsa\_internal.c  src/mbedtls/rsa\_internal.h  src/mbedtls/sha1.c  src/mbedtls/sha1.h  src/mbedtls/sha1\_alt.h  src/mbedtls/sha256.c  src/mbedtls/sha256.h  src/mbedtls/sha256\_alt.h  src/mbedtls/sha512.c  src/mbedtls/sha512.h  src/mbedtls/sha512\_alt.h  src/mbedtls/ssl.h  src/mbedtls/ssl\_cache.c  src/mbedtls/ssl\_cache.h  src/mbedtls/ssl\_ciphersuites.c  src/mbedtls/ssl\_ciphersuites.h  src/mbedtls/ssl\_cli.c  src/mbedtls/ssl\_cookie.c  src/mbedtls/ssl\_cookie.h  src/mbedtls/ssl\_internal.h  src/mbedtls/ssl\_invasive.h  src/mbedtls/ssl\_msg.c  src/mbedtls/ssl\_srv.c  src/mbedtls/ssl\_ticket.c  src/mbedtls/ssl\_ticket.h  src/mbedtls/ssl\_tls.c  src/mbedtls/ssl\_tls13\_keys.c  src/mbedtls/ssl\_tls13\_keys.h  src/mbedtls/threading.c  src/mbedtls/threading.h  src/mbedtls/timing.c  src/mbedtls/timing.h  src/mbedtls/version.c  src/mbedtls/version.h  src/mbedtls/version\_features.c  src/mbedtls/x509.c  src/mbedtls/x509.h  src/mbedtls/x509\_create.c  src/mbedtls/x509\_crl.c  src/mbedtls/x509\_crl.h  src/mbedtls/x509\_crt.c  src/mbedtls/x509\_crt.h  src/mbedtls/x509\_csr.c  src/mbedtls/x509\_csr.h  src/mbedtls/x509write\_crt.c  src/mbedtls/x509write\_csr.c  src/mbedtls/xtea.c  src/mbedtls/xtea.h |

## Non-Functional Licenses

**In this section the files and their licenses can be listed which do not “go” into the delivered “binary”, e.g. /test or /example.**

## Irrelevant Files

**(Path, Files, Licenses)**

|  |  |  |
| --- | --- | --- |
|  |  |  |

### Comment for Irrelevant files

**(License name, Comment Entered, File path)**

|  |  |  |
| --- | --- | --- |
|  |  |  |

## Do not use Files

**(Path, Files, Licenses)**

|  |  |  |
| --- | --- | --- |
|  |  |  |

### Comment for Do not use files

**(License name, Comment Entered, File path)**

|  |  |  |
| --- | --- | --- |
|  |  |  |

## Clearing Protocol Change Log

|  |  |  |
| --- | --- | --- |
| **Last Update** | **Responsible** | **Comments** |
|  |  |  |