

Mastercard Approved Secure Elements



mastercard.

| Company | Product | Specification | LoA / CCS | LoA Exp | Technical Name&Version | Commercial Name&Version | Application Name | Contactless Protocol | Mifare Support | DESfire Support |
|---------|----------------|---|------------------------|-----------|--|--------------------------------------|-------------------|----------------------|----------------|-----------------|
| Gemalto | SWPUICC | Mobile MasterCard PayPass - M/Chip 4 v1.0 | MLOA-GEMA140301-140509 | 12-Feb-18 | MPP1.0.13 vA.2.4 UpTeq NFC 2.0.3_Gen v1.0 | Mobile Paypass 1.0 on UpTeq NFC v1.0 | MPP1.0.13 vA.2.4 | Type A and Type B | 1K | No |
| Gemalto | SWPUICC | Mobile PayPass M/Chip 4 v1.0 + Errata | MLOA-GEMA140502-140520 | 12-Feb-18 | MPP1.0.13 vA.2.4 UpTeq NFC 2.0.3_IDA v1.0 | Mobile Paypass 1.0 on UpTeq NFC | MPP1.0.13 vA.2.4 | TYPE A and TYPE B | 1k | No |
| Gemalto | SWPUICC | Mobile PayPass M/Chip 4 v1.0 + Errata | MLOA-GEMA140401-140509 | 12-Feb-18 | MPP1.0.13 vA.2.4 UpTeq NFC 2.0.3_NOR v1.0.1 | Mobile Paypass 1.0 on UpTeq NFC | MPP1.0.13 vA.2.4 | Type A and Type B | 1k | No |
| Gemalto | Secure Element | Mobile PayPass M/Chip 4 v1.0 + Errata 30 Sep 2013 | CCS-GEMA150202-150511 | 14-Apr-18 | MPP 1.0.13 vA.2.4 UpTeq NFC 3.1.2 eSE 1.1 | Mobile Paypass 1.0 on UpTeq NFC | MPP 1.0.13 VA2.4 | TYPE A and TYPE B | 1k + 4k | 2K + 4K + 8K |
| Gemalto | Secure Element | Mobile PayPass M/Chip 4 v1.0 + Errata 30 Sep 2013 | CCS-GEMA160202-160425 | 14-Apr-18 | MPP 1.0.15 vA.2.6 UpTeq NFC 3.1.2 eSE 2.0 | Mobile Paypass 1.0 on UpTeq NFC V2.0 | MPP 1.0.15 VA.2.6 | TYPE A and TYPE B | 1k + 4k | 2K + 4K + 8K |
| Gemalto | Secure Element | Mobile PayPass M/Chip 4 v1.0 + Errata 30 Sep 2013 | CCS-GEMA150601-150731 | 14-Apr-18 | MPP 1.0.13 vA.2.4 UpTeq NFC 3.1.2 eSE 1.3 | Mobile Paypass 1.0 on UpTeq NFC | MPP 1.0.13 VA2.4 | TYPE A and TYPE B | 1k + 4k | 2K + 4K + 8K |
| Gemalto | SWPUICC | Mobile PayPass M/Chip 4 v1.0 + Errata 30 Sep 2013 | MLOA-GEMA150201-150731 | 10-Jul-18 | MPP 1.0.13 vA.2.4 UpTeq NFC 3.1.1_Generic v1.0 | Mobile Paypass 1.0 on UpTeq NFC | MPP1.0.13 vA.2.4 | TYPE A and TYPE B | 1k + 4k | 4k + 8k |
| Gemalto | SWPUICC | Mobile PayPass M/Chip 4 v1.0 + Errata 30 Sep 2013 | MLOA-GEMA150901-151228 | 11-Nov-18 | MPP 1.0.13 vA.2.4 UpTeq NFC 2.3.1_VFG V2.0 | Mobile Paypass 1.0 on UpTeq NFC | MPP1.0.13 VA.2.4 | TYPE A and TYPE B | 1k + 4k | 4k + 8k |
| Gemalto | SWPUICC | Mobile PayPass M/Chip 4 v1.0 + Errata 30 Sep 2013 | MLOA-GEMA150902-160104 | 20-Nov-18 | MPP 1.0.13 vA.2.4 UpTeq NFC 3.2.2_Generic v1.0 | Mobile Paypass 1.0 on UpTeq NFC | MPP1.0.13 vA.2.4 | TYPE A and TYPE B | 1k + 4k | 4k + 8k |
| Gemalto | SWPUICC | Mobile PayPass M/Chip 4 v1.0 + Errata 30 Sep 2013 | MLOA-GEMA151001-160222 | 16-Dec-18 | MPP 1.0.13 vA.2.4 UpTeq NFC 3.1.3_HKF v1.0 | Mobile Paypass 1.0 on UpTeq NFC | MPP1.0.13 vA.2.4 | TYPE A and TYPE B | 1k + 4k | 4k + 8k |

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| Gemalto | SWPUICC | Mobile PayPass M/Chip 4 v1.0 + Errata 30 Sep 2013 | MLOA-GEMA151101-160208 | 21-Jan-19 | MPP 1.0.13 vA.2.4 UpTeq NFC 3.1.1_Generic v2.0 | Mobile Paypass 1.0 on UpTeq NFC v1.0 | MPP1.0.13 vA.2.4 | TYPE A and TYPE B | 1k + 4K | 4k + 8k |
| Gemalto | Secure Element | M/Chip Mobile V1.1.2 | CCS-GEMA170103-170602 | 07-Mar-19 | MPP 1.1.2.0 vB.0.4 UpTeq NFC 3.1.2 eSE V2.0 (CP1.32) | MPP 1.1 on UpTeq NFC | MPP1.1.2.0 B.0.4 | TYPE A and TYPE B | 1K + 4K | 2K + 4K + 8K |
| Gemalto | Secure Element | M/Chip Mobile V1.1.2 | CCS-GEMA170102-170602 | 07-Mar-19 | MPP 1.1.2.0 vB.0.4 UpTeq NFC 3.1.2 eSE V2.0 (CP1.30) | MPP 1.1 on UpTeq NFC | MPP1.1.2.0 B.0.4 | TYPE A and TYPE B | 1K + 4K | 2K + 4K + 8K |
| Gemalto | Secure Element | M/Chip Mobile V1.1.2 | CCS-GEMA160401-160510 | 07-Mar-19 | MPP1.1.2.0 vB.0.4 UpTeq NFC 3.1.2_eSE v2.0 | MChip Mobile 1.1 on UpTeq NFC | MPP1.1.2.0 B.0.4 | TYPE A and TYPE B | 1k + 4k | 2K + 4K + 8K |
| Gemalto | Secure Element | M/Chip Mobile V1.1.2 | CCS-GEMA170101-170602 | 07-Mar-19 | MPP 1.1.2.0 vB.0.4 UpTeq NFC 3.1.2 eSE V2.0 (CP1.33) | MPP 1.1 on UpTeq NFC | MPP1.1.2.0 B.0.4 | TYPE A and TYPE B | 1K + 4K | 2K + 4K + 8K |
| Gemalto | SWPUICC | Mobile PayPass M/Chip 4 v1.0 + Errata 30 Sep 2013 | MLOA-GEMA151201-160425 | 11-Mar-19 | MPP 1.0.13 vA.2.4 UpTeq NFC 2.3.2_DCM v1.0 | Mobile Paypass 1.0 on UpTeq NFC | MPP 1.0.13 vA.2.4 | TYPE A and TYPE B | No | |
| Gemalto | SWPUICC | M/Chip Mobile V1.1.2 | MLOA-GEMA160403-160727 | 02-Jun-19 | MPP1.1.2.0 vB.0.4 UpTeq NFC 3.1.1_Generic 2.0 | MPP 1.1 on UpTeq NFC | MPP1.1.2.0 B.0.4 | TYPE A and TYPE B | 1k + 4k | 4K + 8K |
| Gemalto | SWPUICC | M/Chip Mobile V1.1.3 | MLOA-GEMA160902-170113 | 02-Jun-19 | MPP1.1.3.0 vB.1.0 UpTeq NFC 3.1.1_Generic 2.0 | MPP 1.1.3.0 vB.1.0 on UpTeq NFC | MPP1.1.3.0 B.1.0 | TYPE A and TYPE B | Emulated | |
| Gemalto | SWPUICC | M/Chip Mobile V1.1.2 | MLOA-GEMA160402-160727 | 14-Jun-19 | MPP1.1.2.0 vB.0.4 UpTeq NFC 3.2.2_Generic 1.0 | MPP 1.1 on UpTeq NFC | MPP1.1.2.0 B.0.4 | TYPE A and TYPE B | 1k + 4k | 4K + 8K |
| Gemalto | SWPUICC | M/Chip Mobile V1.1.3 | MLOA-GEMA160901-170113 | 14-Jun-19 | MPP1.1.3.0 vB.1.0 UpTeq NFC 3.2.2_Generic 1.0 | MPP 1.1.3.0 vB.1.0 on UpTeq NFC | MPP1.1.3.0 B.1.0 | TYPE A and TYPE B | Emulated | |
| Gemalto | Secure Element | M/Chip Mobile V1.1.3 | CCS-GEMA170202-170602 | 14-Oct-19 | MPP 1.1.3.0 vB.1.0 on UpTeq NFC 3.1.2 eSE (CP1.35) | MPP 1.1.3.0 vB.1.0 on UpTeq NFC | MPP1.1.3.0 B.1.0 | TYPE A and TYPE B | 1K + 4K | 2K + 4K + 8K |
| Gemalto | Secure Element | M/Chip Mobile V1.1.3 | CCS-GEMA160801-161128 | 14-Oct-19 | MPP 1.1.3.0 vB.1.0 on UpTeq NFC V3.0 | MPP 1.1.3.0 vB.1.0 on UpTeq NFC | MPP1.1.3.0 B.1.0 | TYPE A and TYPE B | 1K + 4K | 2K + 4K + 8K |

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| Gemalto | Secure Element | M/Chip Mobile V1.1.3 | CCS-GEMA170301-170515 | 28-Apr-20 | MPP 1.1.3.0 vB.1.0 on UpTeq NFC 4.1.1 v1.1 | MPP 1.1.3.0 vB.1.0 on UpTeq NFC 4.1.1 | MPP1.1.3.0 B.1.0 | TYPE A and TYPE B | 1K + 4K | 2K + 4K + 8K |
| Gemalto | SWPUICC | Mobile PayPass M/Chip 4 v1.0 + Errata 30 Sep 2013 | MLOA-GEMA170201-170710 | 02-May-20 | MPP 1.0.13 vA.2.4 UpTeq NFC 3.3.2_Generic v1.0 | Mobile Paypass 1.0 on UpTeq NFC | MPP1.0.13 vA.2.4 | TYPE A and TYPE B | 1K + 4K | 2K + 4K + 8K |
| Gemalto | Secure Element | M/Chip Mobile V1.1.3 | CCS-GEMA170701-171116 | 08-Sep-20 | MPP 1.1.3.1 vB.2.0 on UpTeq NFC 4.1.1 V2.0 | MPP 1.1.3.1 vB.2.0 on UpTeq NFC 4.1.1 | MPP1.1.3.1 B.2.0 | TYPE A and TYPE B | 1K + 4K | 2K + 4K + 8K |
| Giesecke+Devrient Mobile Security GmbH | Secure Element | M/Chip Mobile V1.1.3 | CCS-GIDE170902-170914 | 06-Oct-19 | Sm@rtSIM CX Hercules Variant 18 DD SCP03 1.0 | Sm@rtSIM CX Hercules Variant 18 DD SCP03 1.0 | CONVEGO APPLY MCM-303 | TYPE A and TYPE B | No | |
| Giesecke+Devrient Mobile Security GmbH | SWPUICC | Mobile PayPass M/Chip 4 v1.0 + Errata 30 Sep 2013 | MLOA-GIDE170901-170914 | 14-Oct-19 | Sm@rtSIM CX Hercules Variant 12 MP4 2.0 | Sm@rtSIM CX Hercules Variant 12 MP4 1.0 | CONVEGO APPLY M40 320 | TYPE A and TYPE B | No | No |
| Infineon Technologies AG | Secure Element | Mobile PayPass M/Chip 4 v1.0 + Errata 30 Sep 2013 | CCS-INF150501-160201 | 08-Jul-18 | SLS 34EWxyz E1 | Optiga Mobile N E1 | MMPP-ESE 1.1.4 20150107 | TYPE A and TYPE B | 1k + 4k | No |
| KONA I Co., Ltd. | SWPUICC | Mobile PayPass M/Chip 4 v1.0 + Errata 30 Sep 2013 | MLOA-KONA151101-160629 | 18-Apr-19 | KONA2 N41M3T 2.0 | KONA2 N41M3T 1.0 | KONA MMPP 1.1 | TYPE A and TYPE B | 1K | No |
| KONA I Co., Ltd. | SWPUICC | Mobile PayPass M/Chip 4 v1.0 + Errata 30 Sep 2013 | MLOA-KONA151102-160629 | 18-Apr-19 | KONA2 N41M5T 2.0 | KONA2 N41M5T 1.0 | KONA MMPP 1.1 | TYPE A and TYPE B | 1K | No |
| Morpho | SWPUICC | Mobile PayPass M/Chip 4 v1.0 + Errata 30 Sep 2013 | MLOA-MORP150601-150724 | 26-Jun-18 | SIMply NFC A.C.1.0 1.1 | SIMply NFC A.C.1.0 | MMPP-HCI R1.1.4 | TYPE A | No | No |
| NXP Semiconductors Netherlands B.V. | Secure Element | Mobile PayPass M/Chip 4 v1.0 + Errata 30 Sep 2013 | CCS-NXPS150401-150608 | 12-May-18 | Secure Element J511M300D66F0100 with MMPP 2.0.0.1I build150325 | Secure Element J511M300D66F0100 with MMPP 2.0.0.1I build150325 | MMPP 2.0.0.1I 150325 | TYPE A and TYPE B | 4k | No |

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| NXP Semiconductors Netherlands B.V. | Secure Element | Mobile PayPass M/Chip 4 v1.0 + Errata 30 Sep 2013 | CCS-NXPS150502-150608 | 12-May-18 | Secure Element J511M300DA3E0100 with MMPP 2.0.0.1I build150325 | Secure Element J511M300DA3E0100 with MMPP 2.0.0.1I build150325 | MMPP 2.0.0.1I 150325 | TYPE A and TYPE B | 4K | No |
| NXP Semiconductors Netherlands B.V. | Secure Element | Mobile PayPass M/Chip 4 v1.0 + Errata 30 Sep 2013 | CCS-NXPS150801-150929 | 12-May-18 | Secure Element J5J1M300E7530100 with MMPP 2.1.0.1J build150805 | Secure Element J5J1M300E7530100 with MMPP 2.1.0.1J build150805 | MMPP 2.1.0.1J | TYPE A and TYPE B | 4k | No |
| NXP Semiconductors Netherlands B.V. | Secure Element | M/Chip Mobile V1.1.3 | CCS-NXPS160701-160929 | 06-Jul-19 | Secure Element J5J1M300E7530100 with MMPP 3.0.0.1J build160713 | Secure Element J5J1M300E7530100 with MMPP 3.0.0.1J build160713 | NXP MMPP 3.0.0.1J 160713 | TYPE A and TYPE B | Emulated | |
| NXP Semiconductors Netherlands B.V. | Secure Element | M/Chip Mobile V1.1.3 | CCS-NXPS160601-160727 | 06-Jul-19 | Secure Element J5J1M300E7530100 with MMPP 3.0.0.1J build160610 | Secure Element J5J1M300E7530100 with MMPP 3.0.0.1J build160610 | MMPP 3.0.0.1J | TYPE A and TYPE B | 4k | No |
| NXP Semiconductors Netherlands B.V. | Secure Element | M/Chip Mobile V1.1.3 | CCS-NXPS160901-161216 | 10-Oct-19 | Secure Element J5O1M6121980100 with MMPP 3.0.0.1J build160713 | Secure Element J5O1M6121980100 with MMPP 3.0.0.1J build160713 | NXP MMPP 3.0.0.1J 160713 | TYPE A and TYPE B | Yes | No |
| NXP Semiconductors Netherlands B.V. | Secure Element | M/Chip Mobile V1.1.3 | CCS-NXPS170801-171017 | 07-Sep-20 | Secure Element J5P1M6015A540100 with MMPP 3.0.1.1P-20170518 | Secure Element J5P1M6015A540100 with MMPP 3.0.1.1P-20170518 | NXP MMPP 3.0.1.1P | TYPE A and TYPE B | 1k + 4k | No |
| Oberthur Technologies | Secure Element | Mobile PayPass M/Chip 4 v1.0 + Errata 30 Sep 2013 | CCS-OBTR150301-150804 | 05-May-18 | PEARL 500K Classic v3.1 | PEARL 500K Classic v3.1 | MC Mobile AEPMR3 applet v01.00.07 | TYPE A and TYPE B | Native 1k+4k | No |

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| Oberthur Technologies | Secure Element | Mobile PayPass M/Chip 4 v1.0 + Errata 30 Sep 2013 | CCS-OBTR150601-150722 | 05-May-18 | PEARL 500K Classic v3.1+ | PEARL 500K Classic v3.1+ | MC Mobile AEPMR3 applet v01.00.07 | TYPE A and TYPE B | Native 1k+4k | No |
| Oberthur Technologies | SWPUICC | Mobile PayPass M/Chip 4 v1.0 + Errata 30 Sep 2013 | MLOA-OBTR150801-151007 | 09-Jul-18 | dragonFly v3.2.2 | dragonFly v3.2.2 | MC Mobile AEPMR3 applet v01.00.07 | TYPE A and TYPE B | 1k + 4k | 8k |
| Oberthur Technologies | Secure Element | Mobile PayPass M/Chip 4 v1.0 + Errata 30 Sep 2013 | CCS-OBTR150701-151007 | 25-Aug-18 | PEARL 800K Classic v4.0 | PEARL 800K Classic v4.0 | MC Mobile AEPMR3 applet v01.00.07 | TYPE A and TYPE B | 1k + 4k | No |
| Oberthur Technologies | Secure Element | Mobile PayPass M/Chip 4 v1.0 + Errata 30 Sep 2013 | CCS-OBTR151101-151112 | 25-Aug-18 | PEARL 800K Classic v4.01 | PEARL 800K Classic v4.0 | MC Mobile AEPMR3 applet v01.00.07 | TYPE A and TYPE B | 1k + 4k | No |
| Oberthur Technologies | SWPUICC | Mobile PayPass M/Chip 4 v1.0 + Errata 30 Sep 2013 | MLOA-OBTR151102-160217 | 14-Dec-18 | dragonFly v4.0 - rev B | dragonFly v4.0 | MC Mobile AEPMR3 applet v01.00.07 WPS | TYPE A and TYPE B | 1k+4k | 8k |
| Oberthur Technologies | Secure Element | M/Chip Mobile V1.1.2 | CCS-OBTR160101-160519 | 02-Mar-19 | PEARL 800K Classic v4.02 | PEARL 800K Classic v4.0 | MCM V1.1 V01.01.00 | TYPE A and TYPE B | 1k + 4k | / |
| Oberthur Technologies | Secure Element | M/Chip Mobile V1.1.2 | CCS-OBTR160302-160922 | 12-May-19 | PEARL 500K Classic v3.1a+ | PEARL 500K Classic v3.1+ | MCM V1.1 V01.01.00 | TYPE A and TYPE B | 1k + 4k | / |
| Oberthur Technologies | Secure Element | M/Chip Mobile V1.1.2 | CCS-OBTR160301-160922 | 12-May-19 | PEARL 600K Classic v3.01 | PEARL 600K Classic v3.01 | MCM V1.1 V01.01.00 | TYPE A and TYPE B | 1k + 4k | / |
| Oberthur Technologies | Secure Element | M/Chip Mobile V1.1.2 | CCS-OBTR160601-161013 | 26-Aug-19 | PEARL Classic v4.0+ | PEARL Classic v4.0+ | MCM V1.1 V01.01.00 | TYPE A and TYPE B | 1k + 4k | / |
| SK Holdings Co., Ltd. | SWPUICC | Mobile PayPass M/Chip 4 v1.0 + Errata 6 Jul 2012 | MLOA-SKCC140401-150212 | 23-Dec-17 | UICC_SKCC_ST0 2.0 | UICC_SKCC_ST0 2.0 | SK_MobilePayPass 1.0 | TYPE A and TYPE B | 1k + 4k | 2k+4k+8k |
| SK Holdings Co., Ltd. | SWPUICC | Mobile PayPass M/Chip 4 v1.0 + Errata 30 Sep 2013 | MLOA-SKCC160401-161221 | 23-Nov-19 | SKCC NFC USIM 2.0 | SKCC NFC USIM 2.0 | SK_MobilePayPass 1.0 | TYPE A and TYPE B | No | No |

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| ST Microelectronics S.r.l – Incard Division | SWPUICC | Mobile PayPass M/Chip 4 v1.0 + Errata 30 Sep 2013 | MLOA-STMI160101-160418 | 24-Mar-19 | MUSE NFC CG v4 | MUSE NFC CG v4 | MPP1.0.13 VA.2.4 | TYPE A and TYPE B | 1K + 4K | 4k + 8k |
| ST Microelectronics S.r.l – Incard Division | SWPUICC | Mobile PayPass M/Chip 4 v1.0 + Errata 30 Sep 2013 | MLOA-STMI170601-171103 | 31-Dec-19 | Muse NFC CG V4 1.3 | Muse NFC CG V4 1.3 | MPP1.0.13 VA.2.4 | TYPE A and TYPE B | 1K + 4K | 4k + 8k |
| UBIVELOX Inc. | SWPUICC | Mobile MasterCard PayPass - M/Chip 4 v1.0 + Errata September 2013 | MLOA-UBVE160201-160601 | 28-Apr-19 | Ucard NFC v3.0 | Ucard NFC v3.0 | Ubivelox MMPP 1.0 | TYPE A and TYPE B | No | No |
| VALID Soluciones Tecnologias SAU | SWPUICC | Mobile PayPass M/Chip 4 v1.0 + Errata 6 Jul 2012 | MLOA-VALI150601-151228 | 16-Jun-18 | mioSIM NFC 3.0 | mioSIM NFC 3.0 | PayPassMobile 1.0.5 | TYPE A and TYPE B | 1k + 4k | 4K + 8K |
| Watchdata System Co.,Ltd. | SWPUICC | Mobile PayPass M/Chip 4 v1.0 + Errata 30 Sep 2013 | MLOA-WADA151201-160325 | 27-Nov-18 | InnoSeC NFC 1.0.0 | InnoSeC NFC 1.0.0 | MMPP v1.2.0 20151217 | TYPE A | No | No |