

Mastercard Approved Secure Elements



Company	Product	Specification	LoA / CCS	LoA Exp	Technical Name&Version	Commercial Name&Version	Application Name	Contactless Protocol	Mifare Support	DESfire Support
Gemalto	MICROSD	Mobile PayPass M/Chip 4 v1.0 + Errata 30 Sep 2013	MLOA-GEMA140904-141217	04-Nov-17	μSD-ACL-GFCX6-MicroSD OS V3-Ex-MobPP-1.18F-COA-IntA-4GB	"Optelio contactless MicroSD ""R6+"" NAND 1.0"	Mobile PayPass 1.18	TYPE A	1K	No
Gemalto	SWPUICC	Mobile PayPass M/Chip 4 v1.0 + Errata 30 Sep 2013	MLOA-GEMA141001-150121	28-Nov-17	MPP v1.0.13 + NFC FlyBuy Platinum v2.0	Mobile Paypass 1.0 on NFC FlyBuy Platinum v1.0	MPP 1.0.13 A.2.4	Type A and Type B	No	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	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 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	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-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	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	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
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-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	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	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 V1.1.3	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-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 V1.1.2	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
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
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-INF1150501-160201	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
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-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-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-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

Oberthur Technologies	Secure Element	Mobile PayPass M/Chip 4 v1.0 + Errata 30 Sep 2013	CCS-OBTR140901-141124	31-Oct-17	PEARL 600K Classic v3.0	PEARL 600K Classic v3.0	MC Mobile AEPMR3 applet v1.00.05	Type A and Type B	1K	No
Oberthur Technologies	Secure Element	Mobile MasterCard PayPass - M/Chip 4 v1.0	RCCS-OBTR131101-140122	13-Nov-17	PEARL 600K Classic v2.0.01	PEARL 600K Classic v2.0	MC Mobile AEPMR3 applet v1.00.05	Type A and Type B	Yes	No
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	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
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-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	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	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
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
UBIVELOX Inc.	SWPUICC	Mobile MasterCard PayPass - M/Chip 4 v1.0 + Errata September 2013	MLOA-UBVE141101-141224	05-Dec-17	Ucard NFC v2.2	Ucard NFC v2.1	Ubivelox MMPP 1.0	TYPE A and TYPE B	No	No
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