Micron® Memory Support for NXP® i.MX 9x Platforms

Save yourself time and money—Micron memory comes *validated* on NXP Platforms

Micron Memory		i.MX 9x Processor Memory	
		i.MX 93x	
DRAM	**Type**	**LPDDR4/4x**	
	Family	**MT53**	
	Density	8Gb, 16Gb	
	Configuration	x16	
	Package	200-ball TFBGA	
	Validated PN[1]	MT53E1G16D1FW-046 AAT:A	
	Recommended PN	MT53E1G16 MT53D512M16	
	Qty/Board	1	
NAND/ e.MMC	**Type**	**e.MMC**	**SLC NAND**
	Density	8, 16, 32, 64, 128GB	8, 16GB
	Configuration	x8	x8
	Package	153-ball VFBGA	44-pin TSOP
	Validated PN[1]	MTFC32GAZAQHD-IT	MT29F8G08ABACAWP-IT:C
	Recommended PN	MTFC32GAZAQHD MTFC64GAZAQHD MTFC128GAZAQHD	MT29F8G08ABACAWP MT29F16G08ABACAWP
SPI-NOR	**Type**	**Quad SPI**	**Xccela™ Octal SPI**
	Family	**MT25Q**	**MT35X**
	Density	128Mb, 256Mb, 512Mb, 1Gb, 2Gb	256Mb, 512Mb, 1Gb, 2Gb
	Package	24-ball BGA	24-ball BGA
	Validated PN[1]	MT25QU256ABA8E12-1SIT	MT35XU01GBBA1G12-0SIT
	Recommended PN	MT25QU	MT35X

1. The Micron part numbers specified are the ones validated on the board. Not all parts may be available currently. Please contact your local Micron sales representative for part availability or replacement parts if currently not available.

Micron® Memory Support for NXP® i.MX 8M Platforms

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Micron Memory		i.MX 8M Processor Memory					
		i.MX 8M Quad/Qual Lite i.MX 8M Dual/Dual Lite			i.MX 8M Plus		
DRAM	Type	DDR3L	DDR4	LPDDR4	DDR3L	DDR4	LPDDR4
	Family	**MT41K**	**MT40A**	**MT53**	**MT41K**	**MT40A**	**MT53**
	Density	1, 2, 4, 8Gb	4, 8, 16Gb	4, 8, 16, 24, 32Gb	1, 2, 4Gb	8, 16Gb	4, 8, 16, 24, 32, 48Gb
	Configuration	x16	x16	x32	x16	x16	x32
	Package	96-ball TFBGA	96-ball TFBGA	200-ball FBGA	96-ball TFBGA	96-ball TFBGA	200-ball FBGA
	Validated PN[1]	MT41K256M16TW-107	MT40A512M-16LY-075:E	MT53E128M32D2DS-053 MT53E768M32D4DT-053 MT53D512M32D2DS-053 MT53D1024M32D4DT-053		MT40A1G16KD-062E IT:E	MT53B768M32D4NQ-062 WT:B MT53D1024M32D4DT-053 AIT:D MT53E1G32D2FW-046 IT:A MT53E1536M32D4DT-046 WT:A MT53E2G32D4DT-046 WT:A
	Recommended PN	MT41K256M16 MT41K512M16	MT40A512M16 MT40A1G16	MT53E128M32D2 MT53E256M32D2 MT53E384M32D2 MT53D512M32D2 MT53E512M32D2 MT53D768M32D2 MT53D1024M32D4	MT41K256M16 MT41K512M16	MT40A512M16 MT40A1G16	MT53E128M32D2 MT53E256M32D2 MT53E384M32D2 MT53D512M32D2 MT53E512M32D2 MT53D768M32D2 MT53D1024M32D4
	Qty/Board	2	2	1	2	2	1
NAND/ e.MMC	Type	e.MMC			e.MMC	Parallel NAND	Serial NAND
	Density	8, 16, 32, 64, 128GB			8, 16, 32, 64, 128GB	16, 64, 128, 256, 512GB	1Gb
	Configuration	x8			x8	x8	x1
	Package	153-ball VFBGA			153-ball VFBGA	132-ball VFBGA, 48 TSOP	24-ball TBGA
	Validated PN[1]	MTFC16GAPALBH-IT				MT29F16G08CBACAWP:C MT29F128G08CBCEBJ4-37ITR:E MT29F128G08CFABBWP-12IT:B	MT29F1G01ABBFD12-AAT:F
	Recommended PN	MTFC32GAZAQDW MTFC32GAZAQHD MTFC64GAZAQHD MTFC128GAZAQHD			MTFC32GAZAQDW MTFC32GAZAQHD MTFC64GAZAQHD MTFC128GAZAQHD	MTF29 (L05B, L84A, L72A)	
SPI-NOR	Type	Quad SPI			Quad SPI		
	Family	**MT25Q**			**MT25Q**		
	Density	256Mb			256Mb		
	Package	24-ball BGA (8mm x 6mm)			24-ball BGA (8mm x 6mm)		
	Validated PN[1]	MT25Q256ABA1EW9-0SIT[2]			MT25QU256ABA1EW7-0SIT		
	Recommended PN	MT25Q			MT25Q		

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Micron® Memory Support for NXP® i.MX 8M Platforms

Save yourself time and money—Micron memory comes *validated* on NXP Platforms

Micron Memory		i.MX 8M Processor Memory						
		i.MX 8M Mini				**i.MX 8M Nano**		
	Type	DDR3L	DDR4	LPDDR4	LPDDR4	DDR3L	DDR4	LPDDR4
DRAM	Family	**MT41K**	**MT40A**	**MT53**	**MT53**	**MT41K**	**MT40A**	**MT53**
	Density	4, 8Gb	8, 16Gb	4, 8, 16, 32Gb	4, 8, 12, 16, 24, 32Gb	4Gb	8, 16Gb	4, 8, 16, 32Gb
	Configuration	x16	x16	x16	x32	x16	x16	x16
	Package	96-ball TFBGA	96-ball TFBGA	200-ball FBGA	200-ball FBGA	96-ball TFBGA	96-ball TFBGA	200-ball FBGA
	Validated PN[1]	MT41K256M-16TW-107	MT40A512M-16LY-075:E	MT53D512M16D1DS-046 MT53E256M16D1DS-046 MT53E128M16D1DS-053	MT53D512M32D2DS-053	MT41K256M16TW-107	MT40A1G16RC-062E:B MT40A1G16KD-062E:E	
	Recommended PN	MT41K256M16 MT41K512M16	MT40A512M16 MT40A1G16	MT53E128M16D1 MT53E256M16D1 MT53D512M16D1 MT53E1G16D1	MT53E128M32D2 MT53E256M32D2 MT53E384M32D2 MT53D512M32D2 MT53E512M32D2 MT53D768M32D2 MT53D1024M32D4	MT41K256M16	MT40A512M16 MT40A1G16	MT53E128M16D1 MT53E256M16D1 MT53D512M16D1 MT53E1G16D1
	Qty/Board	2	1/2	1	1	1	1	1
NAND/ e.MMC	Type	e.MMC				e.MMC		
	Family	MTFC				MTFC		
	Density	8, 16, 32, 64, 128GB				8, 16, 32, 64, 128GB		
	Configuration	x8				x8		
	Package	153-ball VFBGA				153-ball VFBGA		
	Validated PN[1]							
	Recommended PN	MTFC32GAZAQDW MTFC32GAZAQHD MTFC64GAZAQHD MTFC128GAZAQHD				MTFC32GAZAQDW MTFC32GAZAQHD MTFC64GAZAQHD MTFC128GAZAQHD		
SPI-NOR	Type	Quad SPI				Quad SPI		
	Family	MT25Q				MT25Q		
	Density	256Mb				256Mb		
	Package	24-ball BGA (8mm x 6mm)				24-ball BGA (8mm x 6mm)		
	Validated PN[1]	MT25QU256ABA1EW7-0SIT				MT25Q256ABA1EW9-0SIT		
	Recommended PN	MT25QU				MT25QU		

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Micron® Memory Support for NXP® i.MX 8XLite Platforms

Save yourself time and money—Micron memory comes *validated* on NXP Platforms

Micron Memory		i.MX 8XLite Processor Memory
		i.MX 8XLite Dual/Solo
DRAM	**Type**	**LPDDR4**
	Family	**MT53**
	Density	8Gb, 16Gb
	Configuration	x16
	Package	96-ball TFBGA
	Validated PN[1]	MT53D512M16D1DS-046 AAT:D MT53E1G16D1FW-046 AAT:A
	Recommended PN	MT53D512M16 MT53E1G16
	Qty/Board	1
NAND/e.MMC	**Type**	**e.MMC**
	Density	32GB, 64GB, 128GB
	Configuration	x8
	Package	100-ball LBGA, 153-ball VFBGA
	Validated PN[1]	MTFC32GAPALGT-AIT MTFC32GAPALGT-AAT
	Recommended PN	MTFC32GAZAQDW MTFC32GAZAQHD MTFC64GAZAQHD MTFC128GAZAQHD
SPI NOR	**Type**	**Quad SPI**
	Family	**MT25Q**
	Density	128Mb, 256Mb, 512Mb, 1Gb, 2Gb
	Package	8-WPDFN, 16-SOIC, 24-ball BGA
	Validated PN[1]	MT25QU512ABB8ESF-0AAT
	Recommended PN	MT25QU MT25QL

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Micron® Memory Support for NXP® i.MX 8M Platforms

Save yourself time and money—Micron memory comes *validated* on NXP Platforms

Micron Memory		i.MX 8 Processor Memory		
		i.MX 8 Quad Max, i.MX 8 Quad Plus, i.MX 8 Quad	i.MX 8 Quad X Plus, i.MX 8 Dual X Plus, i.MX 8 Dual X	
DRAM	Type	LPDDR4	LPDDR4	DDR3
	Family	MT53B	MT53B	MT41K
	Density	32Gb	32Gb	4Gb
	Configuration	512 Meg x 32	512 Meg x 32	256 Meg x 16
	Package	200-ball FBGA	200-ball FBGA	96-ball FBGA
	Validated PN	MT53D1024M32D4DT-046 AAT:D	MT53D1024M32D4DT-046 AAT:D	MT41K256M16TW-093
	Qty/Board	2	1	3
NAND/e.MMC	Type	e.MMC (5.0)	e.MMC (5.0)	
	Family	MTFC	MTFC	
	Density	32GB	32GB	
	Package	153-ball VFBGA	153-ball VFBGA	
	Validated PN	MTFC32GAKAEEF-AIT	MTFC32GAKAEEF-AIT	
NOR	Type	Xccela™ Flash (Octal SPI), Serial (Quad SPI)	Xccela™ Flash (Octal SPI), Serial (Quad SPI)	
	Family	MT35X, MT25T, MT25Q	MT35X, MT25T, MT25Q	
	Density	512Mb	512Mb	
	Package	25-ball BGA (8mm x 6mm)	25-ball BGA (8mm x 6mm)	
	Validated PN	MT35XU512ABA1G12-0AAT	MT35XU512ABA1G12-0AAT	

*MT41K family supports both 1.5V and 1.35V power supply and is backward compatible with MT41J family.

Micron® Memory Support for NXP® i.MX 7M Platforms

Save yourself time and money—Micron memory comes *validated* on NXP Platforms

Micron Memory		i.MX 7 Processor Memory			
		i.MX 7			i.MX 7 ULP
		SABRE for Smart Devices		Validation Platform	
DRAM	Type	**DDR3L**		**LPDDR3**	**LPDDR3**
	Family	**MT41K***		**EDFA**	**MT52L**
	Density	4Gb		16Gb	16Gb
	Configuration	256 Meg x 16		512 Meg x 32 (2 rank)	512 Meg x 32
	Package	96-ball VFBGA		168-ball PoP (soldered on board)	168-ball PoP (soldered on PCB)
	Validated PN[1]	MT41K256M16HA		EDFA232A2PF-GD-F-D	MT52L512M32D2PU-107 WT:B
	Qty/Board	2		2	1
NAND/e.MMC	Type	**e.MMC**	**MLC NAND**	**e.MMC**	**SLC NAND**	**e.MMC (5.0)**
	Family	**MTFC**	**MT29F**	**MTFC**	**MT29F**	**MTFC**
	Density	8GB	32Gb	8GB	32Gb	32GB
	Package	153-ball WFBGA	48-pin TSOP	153-ball WFBGA	48-pin TSOP	153-ball VFBGA
	Validated PN[1]	MTFC8GACAEAM-1M WT	MT29F32G08CBADB	MTFC8GACAEAM-1M WT	MT29F32G08ABCDB14	MTFC8GAKAJCN-1M WT
	Recommended PN	MTFC8GAMAL	MT29F (M83C)	MTFC8GAMAL	MT29F32G08CBADBWP	MTFC8GAMAL
NOR	Type	**Serial (Quad SPI)**		**Serial (Quad SPI)**	**Serial (Twin Quad)**	**Xccela™ Flash (Octal SPI), Serial (Quad SPI)**
	Family	**MT25Q**		**MT25Q**	**MT25TL**	**MT35X, MT25T, MT25Q**
	Density	256Mb		256Mb	512Mb	512Mb
	Package	SO8W		SO8W	SO16	25b BGA
	Validated PN[1]				M25TL512HAA1ESF0AAT	MT35XU512ABA1G12-0SITES
	Recommended PN	MT25Q (QLKT)		MT25Q (QLKT)		MT35XU MT25Q (QLKT) MT25T (QLKT)

*MT41K family supports both 1.5V and 1.35V power supply and is backward compatible with MT41J family.
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Micron® Memory Support for NXP® i.MX 6M Platforms

Save yourself time and money—Micron memory comes *validated* on NXP Platforms

Micron Memory		i.MX 6 Processor Memory				
		i.MX 6 Quad/Quad Plus, i.MX 6 Dual/Dual Plus/Dual Lite/Solo			i.MX 6 Solo Lite	i.MX 6 Solo X
		SABRE for Automotive Infotainment	SABRE Platform for Smart Devices	Quick Start Board	Evaluation Kit	SABRE SDB
DRAM	**Type**	**DDR3**	**DDR3**	**DDR3**	**LPDDR2**	**DDR3**
	Family	**MT41K***	**MT41K***	**MT41K***	**MT42L**	**MT41K***
	Density	4Gb	2Gb	2Gb	8Gb	4Gb
	Configuration	256 Meg x 16	128 Meg x 16	128 Meg x 16	256 Meg x 32	256 Meg x 16
	Package	96-ball TFBGA	96-ball FBGA	96-ball FBGA	168-ball VFBGA	96-ball TFBGA
	Validated PN[1]	MT41J256M16RE	MT41J128M16HA	MT41J128M16HA	MT42L256M32D2LG	MT41K256M16HA-125:E
	Recommended PN	MT41K256M16TW	MT41K128M16JT	MT41K128M16JT	MT42L64M32D2HE	MT41K256M16TW
	Qty/Board	4	4	4	1	2
NAND/e.MMC	**Type**	**Raw**	**e.MMC**	**e.MMC**	**e.MMC**	**e.MMC**
	Family	**MT29F/MTFC**	**MTFC**	**MTFC**	**MTFC**	**MTFC**
	Density	64Gb	8GB	8GB	8GB	8GB
	Package	48-pin TSOP	169-ball FBGA	169-ball FBGA	169-ball FBGA	153-ball TFBGA
	Validated PN	MT29F64G08AFAAA				MTFC8GLCDM
	Recommended PN	MT29F64G08AFAAAWP-ITZ:A MT29F64G08AECABH1-10ITZ:A	MTFC8GAMAL	MTFC8GAMAL	MTFC8GAMAL	MTFC8GAMAL
NOR	**Type**	**Serial (Quad SPI)**	**Serial (Quad SPI)**		**Serial (Quad SPI)**	**Serial (Quad SPI)**
	Family	**MT25Q**	**MT25Q**		**MT25Q**	**MT25Q**
	Density	32Mb	32Mb		32Mb	256Mb
	Package	SO8W	SO8W		SO8W	SO8W

*MT41K family supports both 1.5V and 1.35V power supply and is backward-compatible with MT41J family.
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Micron® Memory Support for NXP® i.MX 6M Platforms

Save yourself time and money—Micron memory comes *validated* on NXP Platforms

Micron Memory		i.MX 6 Processor Memory		
		i.MX 6 Solo RiOTBoard.ORG	i.MX 6 UL (Ultra Lite) / i.MX 6 ULL	
DRAM	Type	DDR3L	DDR3/L	DDR3/L
	Family	**MT41K***	**MT41K***	**MT41K***
	Density	4Gb	4Gb	4Gb
	Configuration	256 Meg x 16	512 Meg x 8	256 Meg x 16
	Package	96-ball VFBGA	76-ball TFGA	96-ball VFBGA
	Validated PN[1]	MT41K256M16HA	MT41K512M8RH	MT41K256M16TW-107:P
	Recommended PN	MT41K256M16TW	MT41K512M8DA	MT41K256M16TW
	Qty/Board	2	2	1
NAND/e.MMC	Type	e.MMC	e.MMC	MLC NAND
	Family	**MTFC**	**MTFC**	**MT29F**
	Density	4GB	8GB	32Gb (4Gb)
	Package	153-ball WFBGA	153-ball WFBGA	48-pin TSOP
	Validated PN[1]	MTFC4GMVEA-1M WT	MTFC8GACAAAM-4M IT	MT29F32G08CBADAWP
	Recommended PN	MTFC8GAMALGT	MTFC8GAMALGT	MT29F32G08CBADBWP
NOR	Type		Serial (Quad SPI)	Serial (Quad SPI)
	Family		**MT25Q, MT25T**	**MT25Q**
	Density		256Mb	256Mb
	Package			W-PDFN-8
	Validated PN[1]			MT25QL256ABA1EW9-0SIT
	Recommended PN			MT25QL256ABA1EW9-0SIT

*MT41K family supports both 1.5V and 1.35V power supply and is backward-compatible with MT41J family.
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Micron® Memory Support for NXP® Networking Platforms

Save yourself time and money—Micron memory comes *validated* on NXP Platforms

Micron Memory		S32G Processor Memory	
		S32G	
DRAM	Type	LPDDR4/4x	LPDDR4/4x
	Family	**MT53**	**MT40**
	Density	8Gb, 16Gb	8Gb
	Configuration	x16	x16
	Package	200-ball TFBGA	96-ball TFBGA
	Validated PN[1]	MT53D1024M32D4DT-053 AAT:D[2] MT53E512M32D1ZW-046 AAT:B	MT40A512M16LY-062E AUT:E
	Recommended PN	MT53E512M32D1ZW	MT40A512M16LY
	Quantity/board	1	1
NAND/e.MMC	Type	e.MMC	
	Density	32GB, 64GB, 128GB	
	Configuration	x8	
	Package	153-ball WFBGA	
	Validated PN[1]	MTFC32GAPALBH-AAT	
	Recommended PN	MMTFC32GAZAQHD MTFC64GAZAQHD MTFC128GAZAQHD	
SPI-NOR	Type	Xccela™ Octal SPI	
	Family	**MT35X**	
	Density	256Mb, 512Mb, 1Gb, 2Gb	
	Package	24-ball BGA	
	Validated PN[1]	MT35XU512ABA1G12-0AUT	
	Recommended PN	MT35X	

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Micron® Memory Support for NXP® Networking Platforms

Save yourself time and money—Micron memory comes *validated* on NXP Platforms

Micron Memory		S32Z and S32E Real-Time Processor Memory	
		S32Z	**S32E**
DRAM	**Type**	**LPDDR4/4x**	**LPDDR4/4x**
	Family	**MT53**	**MT53**
	Density	8Gb, 16Gb	8Gb, 16Gb
	Configuration	x16	x16
	Package	200-ball TFBGA	200-ball TFBGA
	Validated PN[1]	MT53E1G16D1FW-046 AAT:A	MT53E1G16D1FW-046 AAT:A
	Recommended PN	MT53E1G16 MT53D512M16	MT53E1G16 MT53D512M16
	Quantity/board	1	1
NAND/e.MMC	**Type**	**e.MMC**	**e.MMC**
	Density	32GB, 64GB, 128GB	32GB, 64GB, 128GB
	Configuration	x8	x8
	Package	153-ball WFBGA	153-ball WFBGA
	Validated PN[1]	MTFC32GAZAQHD-0AAT	MTFC32GAZAQHD-0AAT
	Recommended PN	MTFC32GAZAQHD MTFC64GAZAQHD MTFC128GAZAQHD	MTFC32GAZAQHD MTFC64GAZAQHD MTFC128GAZAQHD
SPI-NOR	**Type**	**Quad SPI**	**Quad SPI**
	Family	**MT25Q**	**MT25Q**
	Density	128Mb, 256Mb, 512Mb, 1Gb, 2Gb	128Mb, 256Mb, 512Mb, 1Gb, 2Gb
	Package	24-ball BGA	24-ball BGA
	Validated PN[1]	MT25QL256ABA8E12-0AUT	MT25QL256ABA8E12-0AUT
	Recommended PN	MT25QL	MT25QL

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Micron® Memory Support for NXP® Platforms

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Micron Memory		Automotive Processors		
		ADAS Vision Processor S32V234		Instrument Cluster MAC57D
DRAM	Type	LPDDR2	DDR3	DDR2
	Family	**MT42L**	**MT41K**	**MT47H**
	Density	2Gb	4Gb	1Gb
	Configuration	64M x 32	256 x 16	64M x 16
	Package	134-ball FBGA	96-ball TFBGA	84-ball FBGA
	Validated PN	MT42L64M32D1TK-18 AA	MT41K256M16TW	MT47H64M16NF-25E
	Quantity/board	2	4	2
NOR	Type	Serial (Twin Quad SPI)		Serial (Quad SPI)
	Family	**MT25TL**		**MT25Q**
	Density	256-1024Mb		128-2048Mb
	Package	SOIC-16, 24-ball T-PBGA		SOIC-16
Xccela™ Flash	Type	Octal SPI		Octal SPI
	Family	**MT35X**		**MT35X**
	Density	512Mb		512Mb
	Package	24-ball T-PBGA		24-ball T-PBGA
	Validated PN	MT35XU512ABA1G120A-AT		MT35XL512ABA1G120A-AT
NAND/e.MMC	Type	e.MMC		
	Family	**MTFC**		
	Density	8GB		
	Package	153-ball VFBGA		
	Validated PN	MTFC8GACAAAM-4M-IT		

Micron® Memory Support for NXP® Networking Platforms

Save yourself time and money—Micron memory comes *validated* on NXP Platforms

Micron Memory		Q or IQ Processor Memory			
		Value Tier			Mid-Range Tier
		LS1020/LS1021/LS1022	T1023/T1024	T1020, T1022, T1040, T1042	LS2085
DRAM	**Type**	**DDR3L**	**DDR3L UDIMM**	**DDR3L UDIMM**	**DDR4 UDIMM**
	Density	4Gb	4GB (x72, ECC, DR)	4GB (x72, ECC, DR)	8GB (x72, ECC, DR)
	Configuration	256 Meg x 16	4GB (512 Meg x 72)	4GB (512 Meg x 72)	1 Gig x 72
	Package	96-ball TFBGA	UDIMM (Dual Rank)	UDIMM (Dual Rank)	UDIMM (Dual Rank)
	Part Number	MT41K256M16TW	MT18KSF1G72AZ-1G6P1	MT18KSF1G72AZ-1G6P1	MTA18ASF2G72AZ-2G6E2
NAND	Type		Raw (host ECC required)	Raw (host ECC required)	Raw (host ECC required)
	Density		8Gb	8Gb	16Gb
	Package		48-pin TSOP	48-pin TSOP	48-pin TSOP
	Part Number		MT29F8G08ABBCAH4	MT29F8G08ABABAWP-ITX:B	MT29F16G08ABABA
NOR	**Type**	**Serial**	**Serial**	**Serial**	**Serial**
	Density	128Mb	512Mb	512Mb	512Mb
	Package	SO16, 24-ball TBGA	SO16, 24-ball TBGA	SO16, 24-ball TBGA	SO16, 24-ball TBGA
	Part Number	MT25QL128	MT25QL512	MT25QL	MT25QL
e.MMC	**Type**	**Managed (JEDEC STD)**		**Managed (JEDEC STD)**	**Managed (JEDEC STD)**
	Density	4GB–64GB		4GB–64GB	4GB–64GB
	Package	VFBGA, TFBGA, LFBGA		VFBGA, TFBGA, LFBGA	VFBGA, TFBGA, LFBGA
	Part Number	MTFC		MTFC	MTFC
SATA SSD	**Type**	**Managed (SATA)**		**Managed (SATA)**	**Managed (SATA)**
	Density	100GB–960GB		100GB–960GB	100GB–960GB
	Package	2.5" drive, 7mm height		2.5" drive, 7mm height	2.5" drive, 7mm height
	Part Number	MTFDD		MTFDD	MTFDD

Micron® Memory Support for NXP® Networking Platforms

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Kinetis K Family Processors

Micron Memory			K80	K70	K60	K50	K40	K30	K20	K10	E, L, M, W
DRAM	Type	**DDR**									
	Family	**MT46V**		✔	✔						
	Density	256Mb–1Gb									
	Configuration	x4, x8, x16									
	Package	TSOP, FBGA									
NAND	Type	**Raw (host ECC required)**									
	Family	**MT29F**		✔	✔				✔		
	Density	128Mb–512Gb									
	Package	48-pin TSOP									
NOR	Type	**Serial**									
	Family	**MT25Q**		✔	✔	✔	✔	✔	✔	✔	✔
	Density	8Mb–1Gb									
	Package	Many									
Xccela™ Flash	Type	**Octal SPI NOR**									
	Family	**MT35X**	✔								
	Density	256Mb-2Gb									
	Package	24-ball T-PBGA									

✔ Indicates the interface is compatible with the memory device.

i.MX RT Series

Micron Memory		i.MX RT 10xx/11xx	
DRAM	Type	**SDRAM**	
	Family	**MT48LC**	
	Density	256Mb	
	Configuration	16M x 16	
	Package	54-ball FBGA	
	Validated PN	MT48LC16M16A2B4-6A IT:G	
	Quantity/board	1	
NAND/ e.MMC	Type	**SPI NAND**	**e.MMC (5.0/ 4.5 usage)**
	Family	**MT29F**	MTFC
	Density	1GB	8GB
	Package	24-ball T-PBGA	153-ball VFBGA 11.5x13x1mm
	Validated PN	MT29F1G01ABAFD12-IT:F	MTFC8GAKAJCN-1M WT
Quad-SPI/ Parallel NOR	Type	**Quad SPI**	**Parallel**
	Family	**MT25Q**	**MT28EW**
	Density	128Mb	128Mb
	Package	W-PDFN-8	64-ball LBGA
	Validated PN	MT25QL128ABA1ESE-0SIT	MT28EW128ABA1LPC-0SIT
Xccela™ Flash	Type	**Octal SPI NOR**	
	Family	**MT35X**	
	Density	28Mb-2Gb	
	Package	24-ball T-PBGA 6 x 8mm	
	Validated PN	MT35XL512ABA2GSF-0SIT	
	Recommended PN	MT35XL512ABA2G12	

Vybrid Processors

Micron Memory				VF6XX	VF5XX	VF3XX
DRAM	Type	**DDR3**	**LPDDR2**			
	Family	**MT41K***	**MT42L**	✔	✔	
	Density	4Gb, 8Gb	4Gb	DDR3 and LPDDR2	DDR3 and LPDDR2	
	Configuration	x4, x8, x16	x32, x64			
	Package	78-, 96-ball	134-, 253-ball			
NAND	Type	**Raw**				
	Family	**MT29F**		✔	✔	✔
	Density	128–512Gb				
	Package	48-pin TSOP				
NOR	Type	**Serial (Quad SPI)**				
	Family	**MT25Q**		✔	✔	✔
	Density	128Mb–2Gb				
	Package	Many				

✔ Indicates the interface is compatible with the memory device.
*MT41K family supports both 1.5V and 1.35V power supply and is backward-compatible with MT41J family.

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Micron Memory		Q or IQ Processor Memory						
		Value Tier	Mid-Range Tier			High-Performance Tier		
		P1010/P1014	P2022/P2021E	P2041/P2031	T2080/T2081	P408X	P5020/P5040	T4240
DRAM	Type	DDR3/DDR3L	DDR3	DDR3/DDR3L	DDR3/DDR3L	DDR3	DDR3/DDR3L	DDR3/DDR4L
	Family	MT41	MT41	MT41	MT41	MT41	MT41	MT41
	Density	4Gb	4Gb	4Gb	4Gb	4Gb	4Gb	4Gb
	Configuration	512 Meg x 8, 256 Meg x 16	512 Meg x 8, 256 Meg x 16	512 Meg x 8, 256 Meg x 16	512 Meg x 8, 256 Meg x 16	512 Meg x 8, 256 Meg x 16	512 Meg x 8, 256 Meg x 16	512 Meg x 8, 256 Meg x 16
	Package	78-ball, 96-ball	78-ball, 96-ball	78-ball, 96-ball	78-ball, 96-ball	78-ball, 96-ball	78-ball, 96-ball	78-ball, 96-ball
	Base PN	MT41J256M	MT41J256M	MT41J256M	MT41J256M	MT41J256M	MT41J256M	MT41J256M
NAND	Type	Raw (host ECC required)	Raw (host ECC required)	Raw (host ECC required)	Raw (host ECC required)		Raw (host ECC required)	Raw (host ECC required)
	Family	MT29F	MT29F	MT29F	MT29F		MT29F	MT29F
	Density	128Mb–512Gb	128Mb–512Gb	128Mb–512Gb	128Mb–512Gb		128Mb–512Gb	128Mb–512Gb
	Package	48-pin TSOP	48-pin TSOP	48-pin TSOP	48-pin TSOP		48-pin TSOP	48-pin TSOP
NOR	Type	Serial	Serial	Serial	Serial	Serial	Serial	Serial
	Family	MT25Q	MT25Q	MT25Q	MT25Q	MT25Q	MT25Q	MT25Q
	Density	128Mb–2Gb	128Mb–2Gb	128Mb–2Gb	128Mb–2Gb	128Mb–2Gb	128Mb–2Gb	128Mb–2Gb
	Package	Many	Many	Many	Many	Many	Many	Many
e.MMC	Type	Managed (JEDEC STD)	Managed (JEDEC STD)	Managed (JEDEC STD)	Managed (JEDEC STD)	Managed (JEDEC STD)	Managed (JEDEC STD)	Managed (JEDEC STD)
	Family	MTFC	MTFC	MTFC	MTFC	MTFC	MTFC	MTFC
	Density	4GB–64GB	4GB–64GB	4GB–64GB	4GB–64GB	4GB–64GB	4GB–64GB	4GB–64GB
	Package	VFBGA, TFBGA, LFBGA	VFBGA, TFBGA, LFBGA	VFBGA, TFBGA, LFBGA	VFBGA, TFBGA, LFBGA	VFBGA, TFBGA, LFBGA	VFBGA, TFBGA, LFBGA	VFBGA, TFBGA, LFBGA
eUSB	Type	Managed (USB)	Managed (USB)	Managed (USB)	Managed (USB)	Managed (USB)	Managed (USB)	Managed (USB)
	Family	MTEDC	MTEDC	MTEDC	MTEDC	MTEDC	MTEDC	MTEDC
	Density	2GB–16GB	2GB–16GB	2GB–16GB	2GB–16GB	2GB–16GB	2GB–16GB	2GB–16GB
	Package	36.9mm x 26.6mm	36.9mm x 26.6mm	36.9mm x 26.6mm	36.9mm x 26.6mm	36.9mm x 26.6mm	36.9mm x 26.6mm	36.9mm x 26.6mm
SATA SSD	Type	Managed (SATA)		Managed (SATA)	Managed (SATA)		Managed (SATA)	Managed (SATA)
	Family	MTFDD		MTFDD	MTFDD		MTFDD	MTFDD
	Density	100GB–960GB		100GB–960GB	100GB–960GB		100GB–960GB	100GB–960GB
	Package	2.5" drive, 7mm height		2.5" drive, 7mm height	2.5" drive, 7mm height		2.5" drive, 7mm height	2.5" drive, 7mm height