

# Micron® Memory Support for Lattice Semiconductor® Products

Save yourself time and money—Micron memory comes **validated** on Lattice Semiconductor products

	General Purpose			Ultra-Low Power		Control & Security				Video Connectivity			
	ECP5/ ECP5-5G	ECP2/ ECP3	Certus™-NX	iCE40 Ultra™/ UltraLite™/ UltraPlus™	iCE40 LP/ HX/LM	Mach XO3D™	Mach XO3™	Mach XO2™	Mach™-NX	CrossLink™	CrossLinkPlus™	CrossLink™ -NX	
DRAM	Type	DDR3/DDR3L	DDR3/DDR3L	DDR3/DDR3L	N/A	N/A	N/A	N/A	N/A	N/A	N/A	DDR3/DDR3L	
	Density	1Gb, 2Gb	512Mb, 1Gb, 2Gb	4Gb, 8Gb								4Gb, 8Gb	
	Config	x16	x8, x16, x32	4Gb (256Mx16), 8Gb (512Mx16)								4Gb (256M x16), 8Gb (512M x 16)	
	Package	96 TFBGA	96 TFBGA	96 TFBGA								96 TFBGA	
	Validated PN¹	MT41J64M- 16TW-093	MT41J64M- 16TW-093	MT41K64M- 16TW-107:J								MT41K64M- 16TW107:J	
	Qty/Board	1	1	1								1	
LPDRAM	Type	LPDDR3	N/A	LPDDR3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	LPDDR3	
	Density	8Gb		8Gb								8Gb	
	Config	x32		x32								x32	
	Package	178 VFBGA		178 VFBGA								178 VFBGA	
	Validated PN¹	MT52L256M32D- 1PF-107		MT52L256M- 32D1PF-107								MT52L256M- 32D1PF-107	
	Qty/Board	1		1								1	
SPI NOR FLASH	Type	SPI NOR	SPI NOR	SPI NOR	SPI NOR	SPI NOR	SPI NOR	SPI NOR	SPI NOR	SPI NOR	SPI NOR	SPI NOR	
	Density	128Mb	128Mb	128Mb/256Mb/ 512Mb/1Gb	128Mb	128Mb	128Mb/512Mb	128Mb	128Mb	128Mb/256Mb/ 512Mb/1Gb	128Mb/512Mb	128Mb/512Mb	128Mb/256Mb/ 512Mb/1Gb
	Config	128Mb (16Mx8)	128Mb (16Mx8)	128Mb (16Mx8)/ 512Mb (64Mx8)	128Mb (16Mx8)	128Mb (16Mx8)	128Mb (16Mx8)/ 512Mb (64Mx8)	128Mb (16Mx8)	128Mb (16Mx8)	128Mb (16Mx8)/ 512Mb (64Mx8)	128Mb (16Mx8)/ 512Mb (64Mx8)	128Mb (16Mx8)/ 512Mb (64Mx8)	128Mb (16Mx8)/ 512Mb (64Mx8)
	Package	16-pin SOP2/ 8-pin SOP2	16-pin SOP2/ 8-pin SOP2	16-pin SOP2/ 8-pin SOP2	16-pin SOP2/ 8-pin SOP2	16-pin SOP2/ 8-pin SOP2	16-pin SOP2/ 8-pin SOP2	16-pin SOP2/ 8-pin SOP2	16-pin SOP2/ 8-pin SOP2	16-pin SOP2/ 8-pin SOP2	16-pin SOP2/ 8-pin SOP2	16-pin SOP2/ 8-pin SOP2	16-pin SOP2/ 8-pin SOP2
	Validated PN¹	MT25QL128- ABA8ESF-0SIT	MT25QL128- ABA8ESF-0SIT	MT25QU128- ABA1ESE-0SIT MT25QL128- ABA8ESF-0SIT MT25QL256- ABA8ESF-0SIT MT25QL512- ABA8ESF-0SIT MT25QL01- GBBB8ESF-0SIT	MT25QL128- ABA8ESF-0SIT	MT25QL128- ABA8ESF-0SIT	MT25QL128- ABA8ESF-0SIT MT25QL512- ABA8ESF-0SIT	MT25QL128- ABA8ESF-0SIT	MT25QL128- ABA8ESF-0SIT	MT25QU128A- BA1ESE-0SIT MT25QL128A- BA8ESF-0SIT MT25QL256A- BA8ESF-0SIT MT25QL512A- BA8ESF-0SIT MT25QL01G- BBBB8ESF-0SIT	M25PX16- VMW6TG	M25PX16- VMW6TG	MT25QU128- ABA1ESE-0SIT MT25QL128- ABA8ESF-0SIT MT25QL256- ABA8ESF-0SIT MT25QL512- ABA8ESF-0SIT MT25QL01- GBBB8ESF-0SIT
	Qty/Board	1	1	1	1	1	1	1	1	1	1	1	1

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 not currently available.

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