

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	iCE40 Ultra™/ UltraLite™/ UltraPlus™	iCE40 LP/HX/LM	Mach XO3DTM™	Mach XO3™	Mach XO2™	CrossLink™	CrossLinkPlus™	CrossLink™ NX	
DRAM	Type	DDR3/DDR3L	DDR3/DDR3L	N/A		N/A		N/A			DDR3/DDR3L
	Density	1Gb, 2Gb	512Mb, 1Gb, 2Gb								4Gb, 8Gb
	Config	x16	x8, x16, x32								4Gb (256M x16); 8Gb (512M x 16)
	Package	96 TFBGA	96 TFBGA								96 TFBGA
	Validated PN ¹	MT41J64M16TW-093	MT41J64M16TW-093								MT41K64M16TW-107.J
	Qty/Board	1	1								1
LPDRAM	Type	LPDDR3	N/A		N/A		N/A			LPDDR3	
	Density	8Gb								8Gb	
	Config	x32								x32	
	Package	178 VFBGA								178 VFBGA	
	Validated PN ¹	MT52L256M32D1PF-107								MT52L256M32D1PF-107	
	Qty/Board	1								1	
SPI NOR FLASH	Type	SPI NOR	SPI NOR	SPI NOR	SPI NOR	SPI NOR	SPI NOR	SPI NOR	SPI NOR	SPI NOR	
	Density	128Mb	128Mb	128Mb	128Mb	128Mb/512Mb	128Mb	128Mb	128Mb/512Mb	128Mb/512Mb	128Mb/512Mb
	Config	128Mb (16Mx8)	128Mb (16Mx8)	128Mb (16Mx8)	128Mb (16Mx8)	128Mb (16Mx8)/ 512Mb (64Mx8)	128Mb (16Mx8)	128Mb (16Mx8)	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
	Validated PN ¹	MT25QL128ABA8ESF- 0SIT	MT25QL128ABA8ESF- 0SIT	MT25QL128ABA8ESF- 0SIT	MT25QL128ABA8ESF- 0SIT	MT25QL128ABA8ESF-0SIT, MT25QL512ABA8ESF-0SIT	MT25QL128ABA8ESF- 0SIT	MT25QL128ABA8ESF- 0SIT	M25PX16-VMW6TG, MT25QL128ABA8ESF-0SIT, MT25QL512ABA8ESF-0SIT	M25PX16-VMW6TG, MT25QL128ABA8ESF-0SIT, MT25QL512ABA8ESF-0SIT	MT25QU128AA1ESE-0SIT, MT25QL128ABA8ESF-0SIT, MT25QU512ABA8ESF-0SIT
	Qty/Board	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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