

# Micron® Memory Support for Synaptics® Multimedia Processors

Save yourself time and money—Micron memory comes **validated** on Synaptics Multimedia Processors

Micron Memory		Synaptics Processor				
		VS-450	88DE3006	VS-550		AS-371
		Dual Core A53 UHD/Adv HDR	Dual A7 FHD	Quad Core A53 UHD/Adv HDR		Quad A53 DSP on A53
DRAM	Type	LPDDR4	DDR3/DDR3L	DDR3/DDR3L	DDR4	DDR3/DDR3L
	Density	8Gb–16Gb	4Gb–8Gb	4Gb	4Gb	2Gb–4Gb
	Configuration	16Gb (512M x32) 8Gb (256M x32)	4Gb (256M x16) 8Gb (512M x16)	4Gb (256M x16)	4Gb (256M x16)	4Gb (256M x16) 2Gb (128M x16)
	Package	200 WFBGA	96 TFBGA	96 TFBGA	96 TFBGA	96 TFBGA
	Validated PN	MT53B512M32D2NP-062 WT (16Gb) MT53B256M32D1NP-062 WT (8Gb)	MT41K256M16HA-125 (4Gb) MT41K256M16HA-107 (4Gb) MT41K256M16LY-107 (4Gb) MT41K512M16HA-125 (8Gb)	MT41K256M16LY-093 (DDR3L 4Gb) MT41K256M16TW-093 (DDR3L 4Gb) MT41K256M16TW-107 (DDR3L 4Gb)	MT40A256M16GE-083 (DDR4 4Gb)	MT41K256M16LY-107 (DDR3L 4Gb) MT41K128M16JT-107 (DDR3L 2Gb)
	Qty/Board	1	1	2 (32-bit bus interface) or 4 (64-bit bus interface)		2
NAND/ e.MMC	Type	N/A	SLC NAND	e.MMC		SLC NAND
	Density		2Gb–4Gb	8GB		4Gb
	Configuration		2Gb (256M x8) 4Gb (512M x8)	x8		4Gb (512M x8)
	Package		48 TSOP, 63 VFBGA	153 VFBGA		63 VFBGA
	Validated PN <sup>1</sup>		MT29F2G08ABAFAPW (2Gb TSOP) MT29F4G08ABAEAWP (4Gb TSOP) MT29F2G08ABAEAH0IT (2Gb VFBGA) MT29F4G08ABAEAH4 (4Gb VFBGA)	MTFC8GAKAJCN-1M WT (8GB) MTFC8GACAECN-1M WT (8GB)		MT29F4G08ABAFAH4 (4Gb VFBGA)
	Qty/Board		1	1		1
SPI NOR	Type	SPI NOR	N/A	N/A		N/A
	Density	16Mb				
	Configuration	16Mb (8M x2)				
	Package	8 SOIC				
	Validated PN	M25PX16-VMN6TP <sup>2</sup>				

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.  
2. This Micron part is EOL'ed. Please contact Micron sales representative for replacement parts.

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