

2 GB/4 GB DDR3 & LOW POWER SDRAM – M15F/M15T SERIES

Recently our supplier ESMT launched 2Gb and 4Gb DDR3 and Low Power DDR3.

DDR3

2Gb DDR3 (1.5V) – ESMT P/N# M15F2G16128A (2B)

4Gb DDR3 (1.5V) – ESMT P/N# M15F4G16256A

Low Power DDR3

2Gb DDR3L (1.35V) – ESMT P/N# M15T2G16128A(2B)

4Gb DDR3L (1.35V) – ESMT P/N# M15T4G16256A

They are internally configured as eight bank DRAMs and they are **JEDEC DDR3** compliant.

M15F2G16128A

– 16 M x 16 Bit x 8 Banks

M15F4G16256A

– 32 M x 16 Bit x 8 Banks

M15T2G16128A(2B)

– 16 M x 16 Bit x 8 Banks

M15T4G16256A

– 32 M x 16 Bit x 8 Banks

ORDERING INFORMATION

PRODUCT ID	AX. FREQUENCY	SUPPLY VOLTAGE V _{DD}	DATA RATE (CL-tRCD-tRP)	PACKAGE	
M15F2G16128A-DEBG2B	933 MHz	1.5V	DDR-1866 (13-13-13)	96-ball (9 mm×13 mm) BGA	Pb-free
M15F2G16128A-BDBG2B	800 MHz	1.5V	DDR-1600 (11-11-11)	96-ball (9 mm×13 mm) BGA	Pb-free
M15F4G16256A-DEBG	933 MHz	1.5V	DDR-1866 (13-13-13)	96-ball (9 mm×13 mm) BGA	Pb-free
M15F4G16256A-BDBG	800 MHz	1.5V	DDR-1600 (11-11-11)	96-ball (9 mm×13 mm) BGA	Pb-free
M15T2G16128A-BDBG2B	800 MHz	1.35V	DDR-1600 (11-11-11)	96-ball (9 mm×13 mm) BGA	Pb-free
M15T4G16256A-BDBG	800 MHz	1.35V	DDR-1600 (11-11-11)	96-ball (9 mm×13 mm) BGA	Pb-free

new

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