

Micron® Memory Support for Microsemi® Platforms

Save yourself time and money—Micron memory comes **validated** on Microsemi platforms

		Microsemi Polar Fire™ Family				Microsemi Smart Fusion2™ Family		Microsemi Igloo2™ Family	
		Polar Fire SoC Family		Polar Fire FPGA		Smart Fusion 2 SoC FPGA		Igloo2 FPGA	
		DDR3/DDR3L	DDR4	DDR3/DDR3L	DDR4	DDR3/DDR3L	DDR4	DDR3/DDR3L	DDR4
Micron DRAM	Type	DDR3/DDR3L	DDR4	DDR3/DDR3L	DDR4	DDR3/DDR3L	DDR4	DDR3/DDR3L	DDR4
	Density	4Gb	N/A	8Gb	4Gb, 8Gb	2Gb	N/A	N/A	N/A
	Config	4Gb (256Mb x 16)		8Gb (1Gb x 8)	4Gb (256Mb x 16), 8Gb (1Gb x 8)	2Gb (256Mb x 8)			
	Package	96 TFBGA		78 TFBGA	96 TFBGA, 78 TFBGA	78 TFBGA			
	Validated PN ¹	MT41K256M16TW-107:P TR		MT41K1G8SN-125:A	MT40A256M16GE-083E:B MT40A1G8WE-083E:B	MT41K256M8DA-125 AIT:K TR			
	Qty/Board	1		2	2, 1	5			
Micron LPDRAM	Type	Mobile LPDDR3	Mobile LPDDR4/X	N/A	N/A	Mobile LPDDR3	Mobile LPDDR	Mobile LPDDR3	Mobile LPDDR
	Density	16Gb	16Gb			512Mb	512Mb		
	Config	16Gb (512Mb x 32)	16Gb (512Mb x 32)			512Mb (32Mb x16)	512Mb (32Mb x 16)		
	Package	178 VFBGA	200 WFBGA			60 VFBGA	60 VFBGA		
	Validated PN ¹	MT52L512M32D2PF-093 WT:B TR	MT53D512M32D2DS-053 WT:D TR			MT46H32M16LFBF-5 IT:C	MT46H32M16LFBF-5 IT:C		
	Qty/Board	1	1			1	1		
Micron SPI NOR Flash	Type	SPI NOR	Xccela™	SPI NOR	Xccela™	SPI NOR	Xccela™	SPI NOR	Xccela™
	Density	1Gb	N/A	1Gb	N/A	1Gb	N/A	N/A	N/A
	Config	1Gb (128Mb x 8)		1Gb (128Mb x 8)		1Gb (256Mb x 4)			
	Package	16 SOIC		16 SOIC		16-pin SOP			
	Validated PN ¹	MT25QL01G8BB8ESF-0SIT		MT25QL01G8BB8ESF-0SIT TR MT25QL01G8BB8ESF-0SIT MT25QU01G8BB8ESF-0SIT		N25Q00AA13GSF40G			
	Qty/Board	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.

Products are warranted only to meet Micron's production data sheet specifications. Products, programs and specifications are subject to change without notice. Dates are estimates only. ©2019 Micron Technology, Inc. All rights reserved. All information herein is provided on an "AS IS" basis without warranties of any kind. Micron and the Micron logo are trademarks of Micron Technology, Inc. Microsemi is a registered trademark of Microsemi Corporation. All other trademarks are property of their respective owners. Rev. F, 07/2020 CCMMMD-676576390-10657

