Micron® Memory Support for Infineon® XMC™ Microcontrollers

AVNET SILICA

Save yourself time and money – Micron memory device interfaces are compatible with the following Infineon chipsets

	Product	Micron DRAM SDRAM	Micron NOR Q-SPI		Micron NOR Parallel
Micron Memory	Family	MT48	M25PX, M25PE, MT25Q, N25Q, M45PE		M29W, M28W
	Voltage	3.3V	1.8V	3.3V	3.3V
	Width	x16	x1, x2, x4 SPI		x8, x16
	Density	64Mb, 128Mb, 256Mb	All Micron densities		16Mb (MAX)
	Validated part numbers	/	/	N25Q032A13ESE40[1]	
	Recommended part numbers	MT48LC4M16xx MT48LC8M16xx MT48LC16M16xx	MT25Qxx N25Qxx	M25PXxx M25PExx MT25Qxx N25Qxx M45PExx	M29W160xx M29W800xx M29W400xx M28W160xx
Infineon® XMC™ MCU Portfolio	***XMC1000 Family, ARM® Cortex®-M0***				
	XMC1100		■	■[2]	
	XMC1200		■	■[2]	
	XMC1300		■	■[2]	
	XMC1400		■	■[2]	
	XMC4000 Family, ARM® Cortex®-M4 with FPU				
	XMC4100			■	
	XMC4200			■	
	XMC4300			■	
	XMC4400			■	
	XMC4500	■		■	■
	XMC4700	■		■	■
	XMC4800	■		■	■

1. This component comes validated on XMC4500, XMC4700, and XMC4800 chipsets only.

Order number: KIT_XMC45_RELAX_V1
Device: XMC4500 MCU series
http://www.infineon.com/cms/en/product/evaluation-boards/KIT_XMC45_RELAX_V1/productType.html?productType=db3a30443784920501381 3b23ac17763

XMC4700 Relax Kit
Order number: KIT_XMC47_RELAX_V1
Device: XMC4700 MCU series
http://www.infineon.com/cms/en/product/evaluation-boards/KIT_XMC47_RELAX_V1/productType.html?productType=5546d46250cc1fdf0150f6bdcddb6ec7

XMC4800 Relax EtherCAT® Kit
Order number: KIT_XMC48_RELAX_ECAT_V1
Device: XMC4800 MCU series
http://www.infineon.com/cms/en/product/evaluation-boards/KIT_XMC48_RELAX_ECAT_V1/productType.html?productType=5546d46250cc1fdf0150f6bdd1236ec8

2. Recommended 3.3V for higher data throughput.

Micron Infineon