

# Micron® Memory Support for Microchip® Platforms

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

Micron DRAM		DDR2	LPDDR2	DDR3L
Family		MT47	MT42L	MT41K
Density		1Gb, 2Gb	512Mb, 2Gb, 4Gb	1Gb, 2Gb, 4Gb, 8Gb
Speed		200–533 MHz	333–400 MHz	800–1067 MHz
Voltage (Core)		1.5V	1.2V	1.35V
Width		x8, x16	x32	x16
Microchip Development Boards and SoCs	<b>A5-D3 Development Boards</b>			
	ATSAMA5D2-XULT			MT41K128M16xx (2X)*
	SAMA5D21			✓
	SAMA5D22			✓
	SAMA5D23			✓
	SAMA5D24			✓
	SAMA5D26			✓
	SAMA5D27			✓
	SAMA5D28			✓
	<b>A5-D3 Development Boards</b>			
	SAMA5D3-XPLD	MT47H64M16RH-25E (2X)*		
	SAMA5D3x-EK	MT47H128M16RT-3-C (2X)*		
	<b>A5-D3 SoCs</b>			
	SAMA5D31	✓	✓	
	SAMA5D33	✓	✓	
	SAMA5D34	✓	✓	
	SAMA5D35	✓	✓	
	SAMA5D36	✓	✓	
	<b>A5-D4 Development Boards</b>			
	SAMA5D4-XULT	MT47H128M8CF-25E (2X)*		
	SAMA5D4-EK	MT47H128M8CF-25E (4X)*		
	SAMA5D41	✓	✓	
	SAMA5D42	✓	✓	
	SAMA5D43	✓	✓	
	SAMA5D44	✓	✓	
	<b>SAM9 Development Boards</b>			
	SAM9xx5-EK	MT47H64M16HR-3 IT		
	SAM9G15	✓		
	SAM9G25	✓		
	SAM9G35	✓		
	SAM9X25	✓		
	SAM9X35	✓		
<b>SAM9 SoCs</b>				
SAM9N12-EK/SAM9CN11-EK	MT47H64M16HR-3 IT			
SAM9N12	✓			
SAM9CN11	✓			
SAM9CN12	✓			

Please verify exact configuration and specification with your Microchip or Micron representative. \*Number in parentheses indicates quantity of components on board.

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Micron Flash		SLC NAND	e.MMC	Parallel NOR	Serial NOR
	Family	MT29F	MTFC	M29W	MT25Q, N25Q
	Density	1Gb, 2Gb, 4Gb, 8Gb	4GB-64GB	4Mb-256Mb	128Mb-2Gb
	Speed	50 MHz	52 MHz	Async	133 MHz
	Voltage (Core)	3.3V	3.3V	3.3V	3.3V
	Width	x8	x1, x4, x8	x16	x1, x2, x4
Microchip Development Boards and SoCs	<b>A5-D2 Soc</b>				
	ATSAMA5D2-XULT		e.MMC MTFC4GLDEA-0M WT		N25Q128A13xx <sup>1</sup> (2X)*
	SAMA5D21		✓		MT25QL01GBBB8ESF-OSIT
	SAMA5D22		✓		✓
	SAMA5D23		✓		✓
	SAMA5D24		✓		✓
	SAMA5D26		✓		✓
	SAMA5D27		✓		✓
	SAMA5D28		✓		✓
	<b>A5-D3 Development Boards</b>				
	SAMA5D3-XPLD	MT29F2G08ABAEAWP			N25Q032A13ESE40F <sup>1</sup>
	SAMA5D3x-EK	MT29F2G08ABAEAWP		M29W128GL70ZA6E <sup>1</sup>	
	<b>A5-D3 SoCs</b>				
	SAMA5D31	✓		✓	
	SAMA5D33	✓		✓	
	SAMA5D34	✓		✓	
	SAMA5D35	✓		✓	
	SAMA5D36	✓		✓	
	<b>A5-D4 Development Boards</b>				
	SAMA5D4-XUTL	MT29F4G08ABAEA-WP			
	SAMA5D4-EK				
	SAMA5D41	✓			
	SAMA5D42	✓			
	SAMA5D43	✓			
	SAMA5D44	✓			
	<b>SAM9 Development Boards</b>				
	SAM9xx5-EK	MT29F2G08ABDHC-WP			
	SAM9G15	✓			
	SAM9G25	✓			
	SAM9G35	✓			
	SAM9X25	✓			
	SAM9X35	✓			
<b>SAM9 SoCs</b>					
SAM9N12-EK/SAM9CN11-EK	MT29F2G08ABAEA-WP				
SAM9N12	✓				
SAM9CN11	✓				
SAM9CN12	✓				

Please verify exact configuration and specification with your Microchip or Micron representative. \*Number in parentheses indicates quantity of components on board.

1. EOL pending; contact Micron for availability.

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