

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
A5-D3 Development Boards			
ATSAMA5D2-XULT			MT41K128M16xx (2X)*
SAMA5D21			✓
SAMA5D22			✓
SAMA5D23			✓
SAMA5D24			✓
SAMA5D26			✓
SAMA5D27			✓
SAMA5D28			✓
A5-D3 Development Boards			
SAMA5D3-XPLD	MT47H64M16RH-25E (2X)*		
SAMA5D3x-EK	MT47H128M16RT-3-C (2X)*		
A5-D3 SoCs			
SAMA5D31	✓	✓	
SAMA5D33	✓	✓	
SAMA5D34	✓	✓	
SAMA5D35	✓	✓	
SAMA5D36	✓	✓	
A5-D4 Development Boards			
SAMA5D4-XUTL	MT47H128M8CF-25E (2X)*		
SAMA5D4-EK	MT47H128M8CF-25E (4X)*		
SAMA5D41	✓	✓	
SAMA5D42	✓	✓	
SAMA5D43	✓	✓	
SAMA5D44	✓	✓	
SAM9 Development Boards			
SAM9xx5-EK	MT47H64M16HR-3 IT		
SAM9G15	✓		
SAM9G25	✓		
SAM9G35	✓		
SAM9X25	✓		
SAM9X35	✓		
SAM9 SoCs			
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
A5-D2 SoCs					
ATSAMA5D2-XULT			e.MMC MTFC4GLDEA-0M WT		N25Q128A13xx ¹ (2X)*
SAMA5D21			✓		MT25QL01GBBB8ESF-0SIT
SAMA5D22			✓		✓
SAMA5D23			✓		✓
SAMA5D24			✓		✓
SAMA5D26			✓		✓
SAMA5D27			✓		✓
SAMA5D28			✓		✓
A5-D3 Development Boards					
SAMA5D3-XPLD	MT29F2G08ABAECWP				N25Q032A13ESE40F ¹
SAMA5D3x-EK	MT29F2G08ABAECWP			M29W128GL70ZA6E ¹	
A5-D3 SoCs					
SAMA5D31	✓			✓	
SAMA5D33	✓			✓	
SAMA5D34	✓			✓	
SAMA5D35	✓			✓	
SAMA5D36	✓			✓	
A5-D4 Development Boards					
SAMA5D4-XUTL	MT29F4G08ABAECWP				
SAMA5D4-EK					
SAMA5D41	✓				
SAMA5D42	✓				
SAMA5D43	✓				
SAMA5D44	✓				
SAM9 Development Boards					
SAM9xx5-EK	MT29F2G08ABDHC-WP				
SAM9G15	✓				
SAM9G25	✓				
SAM9G35	✓				
SAM9X25	✓				
SAM9X35	✓				
SAM9 SoCs					
SAM9N12-EK/SAM9CN11-EK	MT29F2G08ABAECWP				
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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