

Micron® Memory Support for STMicroelectronics® Chipsets

Save yourself time and money—Micron memory comes **validated** on STM32 microcontroller and microprocessor chipsets

Micron		DRAM					
		LPDDR2	LPDDR3	LPDDR4		SDRAM	DDR3
Family		MT42L	MT52L256M32	MT48H		MT4LC	MT41K
Voltage		1.2V	1.2V	1.8V		3.3V	1.35V
Width		x32	x32	x16	x32	x8, x16	x32
Recommended PN		MT42L family	MT52L family	MT48H32M-16LFBxxx	MT48H16M-32LFBxxx	MT48LCxM16xx/8xx	MT41KxM16xx
STM Chipsets (STM32 Series)	STM32 H7						
	STM32H7x3xx - STM32H750xx			✓	✓	✓	✓
	STM32H757xl - STM32H747xl/G - STM32H755xl - STM32H745xl/G			✓	✓	✓	✓
	STM32H7B3xl - STM32H7A3xl/G			✓	✓	✓	✓
	STM32H742xl/G - STM32H743xl/G - STM32H753xl			✓	✓	✓	✓
	STM32H735xG - STM32H725xE/G STM32H733VG - STM32H733ZG STM32H723VE STM32H723VG STM32H7BOxB STM32H73OAB - STM32H73OIB - STM32H73OVB - STM32H73OZB STM32H723ZE - STM32H723ZG			✓	✓	✓	✓
	STM32 MP1						
	STM32MP15xx	✓	✓				✓
	STM32 F7						
	STM32F745xx - STM32F765xx - STM32F746xx - STM32F756xx - STM32F768xx - STM32F769xx - STM32F779xx - STM32F777xx - STM32F767xx - STM32F778xx - STM32F722xx - STM32F732xx - STM32F7x3xx - STM32F7xOx8 - STM32F750x8 - STM32F730x8			✓	✓	✓	✓
	STM32 F4						
	STM32 F479xx - STM32 F469xx			✓	✓	✓	✓
	STM32 F429xx-F427xx - STM32 F439xx - STM32 F437xx			✓	✓	✓	✓
	STM32 F446			✓		✓	
	STM32 F407xx - STM32 F417xx - STM32 F405xx - STM32 F415xx			✓		✓	

Depending on the application needs, choose between Micron's standard lifecycle products and our Product Longevity Program (PLP) products with extended lifecycle support. For more information, visit www.micron.com/lifecycle. 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, the Micron logo and Xccela are trademarks of Micron Technology, Inc. STMicroelectronics is a registered trademark of STMicroelectronics. All other trademarks are property of their respective owners. Rev. G, 08/2023 CCMMMD-676576390-10239



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Micron		NAND		NOR			e.MMC	
		SLC NAND	SPI NAND	Q-SPI NOR		Parallel NOR		Xccela™ Octal NOR
	Family	MT29F	MT29F	MT25	MT25T	MT28EW	MT35X	MTFC
	Voltage	3.3-1.8V	3.3-1.8V	3.3-1.8V	3.3-1.8V	3.3-1.8V	3.3-1.8V	3.3V
	Width	x8, x16	x8	x4	x8	x8, x16	x8	-
	Recommended PN	MT29FxGO8xx/16xx	MT29F family	MT25 family	MT25L family	MT28EWxx family	MT35X family	MTFCxx family
STM Chipsets (STM32 Series)	STM32 H7							
	STM32H7x3xx – STM32H750xx	✓		✓	✓	✓		✓
	STM32H757xl – STM32H747xl/G – STM32H755xl – STM32H745xl/G	✓		✓	✓	✓		✓
	STM32H7B3xl – STM32H7A3xl/G	✓		✓	✓	✓	✓	✓
	STM32H742xl/G STM32H743xl/G STM32H753xl	✓		✓	✓	✓		✓
	STM32H735xG – STM32H725xE/G STM32H733VG – STM32H733ZG STM32H723VE STM32H723VG STM32H7B0xB STM32H730AB –STM32H730IB – STM32H730VB – STM32H730ZB STM32H723ZE – STM32H723ZG	✓		✓	✓	✓	✓	✓
	STM32 MP1							
	STM32MP15xx	✓	✓	✓	✓	✓		✓
	STM32 F7							
	STM32F745xx – STM32F765xx – STM32F746xx – STM32F756xx – STM32F768xx – STM32F769xx – STM32F779xx – STM32F777xx – STM32F767xx – STM32F778xx – STM32F722xx – STM32F732xx – STM32F7x3xx – STM32F7x0x8 STM32F750x8 – STM32F730x8	✓		✓	✓	✓		✓
	STM32 F4							
	STM32 F479xx –STM32 F469xx	✓		✓	✓	✓		✓
	STM32 F429xx –F427xx STM32 F439xx – STM32 F437xx	✓				✓		✓
	STM32 F446	✓		✓	✓	✓		✓
	STM32 F407xx – STM32 F417xx STM32 F405xx – STM32 F415xx	✓				✓		✓
	STM32 F412xx – STM32 F423xx – STM32 F413xx			✓	✓	✓		✓
	STM32 F3							
	STM32 F302xD – F302xE – STM32 F303xD – F303xE – STM32 F398	✓				✓		✓
	STM32 F2							
	STM32 F215xx – F217xx – STM32 F205xx – F207xx	✓				✓		✓

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Micron		NAND		NOR			eMMC	
		SLC NAND	SPI NAND	Q-SPI NOR		Parallel NOR		Xccela™ Octal NOR
	Family	MT29F	MT25F	MT25	MT25T	MT28EW	MT35X	MTFC
	Voltage	3.3-1.8V	3.3-1.8V	3.3-1.8V	3.3-1.8V	3.3-1.8V	3.3-1.8V	3.3V
	Width	x8, x16	x8	x4	x8	x8, x16	x8	-
	Recommended PN	MT29FxGO8xx/16xx	MT29F family	MT25 family	MT25L family	MT28EWxx family	MT35X family	MTFCxx family
STM Chipsets (STM32 Series)	STM32 F1							
	STM32F100xC – STM32F100xD – STM32F100xE					✓		✓
	STM32F101xF – STM32F101xG – STM32F101xC – STM32F101xD – STM32F101xE – STM32F103xG – STM32F103xF –STM32F103xC – STM32F103xD – STM32F103xE	✓				✓		✓
	STM32 G4							
	STM32G491xC – STM32G4A1xE– STM32G491xE				✓			✓
	STM32G483xE – STM32G473xB – STM32G473xC – STM32G484xE – STM32G474xB STM32G474xC STM32G474xE STM32G473xE	✓		✓	✓	✓		✓
	STM32 L1							
	STM32L151xD – STM32L152xD – STM32L162xD					✓		✓
	STM32 L4							
	STM32L486xx – STM32L476xx– STM32L496xx – STM32L4A6xx – STM32L471xx – STM32L475xx	✓		✓		✓	✓	✓
	STM32L433xx – STM32L443xx – STM32L432xx – STM32L442xx – STM32L452xx – STM32L462xx – STM32L412xx – STM32L422xx – STM32L451xx – STM32L431xx			✓	✓			✓
	STM32 L4+							
	STM32L4Rx – STM32L4Sx – STM32L4P5xx – STM32L4Q5xx	✓		✓	✓	✓	✓	✓
	STM32 L5							
	STM32L5x2	✓		✓	✓	✓	✓	✓
	STM32 U5							
	STM32U585xx – STM32U575xx	✓		✓	✓	✓	✓	✓
	STM32 WB55xG							
	STM32WB55xG			✓	✓			✓

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Micron® Memory Support for STMicroelectronics® Automotive Chipsets

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Micron		DRAM		NAND		NOR		e.MMC
		SDRAM	DDR3	SLC		Q-SPI	Octal SPI	
	Family	MT4LC	MT41K	MT29F		MT25	MT35X	MTFC
	Voltage	3.3V	1.35V	3.3~1.8V	3.3V	3.3~1.8V	3.3~1.8V	3.3V
	Width	x8, x16	x16	x8, x16		x4	x8	–
Recommended PN	MT48LCxM16xx, MT48LCxM8xx		MT29FxxG08xx, MT29FxxG16xx		MT25	MT35X	MTFCxx	
STM Automotive Chipsets	Accordo2 Automotive (Infotainment)							
	STA1080x/85x/90x/95x	✓		✓	✓	✓		✓
	Accordo5 Automotive (Infotainment, Instruments Cluster)							
	STA1275x/85x/95x		✓	✓	✓	✓		✓
	Telemaco2 Automotive (Telematics)							
	STA1078x/79x/88x	✓		✓	✓	✓		✓
	Telemaco3 Automotive (Telematics)							
	STA1175x/85x/95x		✓	✓	✓	✓		✓
	Telemaco3P Automotive (Telematics)							
	STA1375x/85x		✓	✓	✓	✓		✓
	SPC5 32-bit Automotive							
	SPC58xH					✓	✓	✓

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