

PIC32MZ2048EFH144-E/PH



Part Number: [PIC32MZ2048EFH144-E/PH](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 32BIT 2MB FLASH 144TQFP

Data sheet:  [PIC32MZ EF Datasheet](#)
 [PIC32MZ2048ECH144, PIC32MZ2048EFH144](#)
 [PIC32MZ2048EF Errata](#)
 [PIC32 Microcontroller Brochure](#)

RoHs Status: Lead free / RoHS Compliant

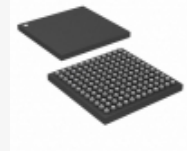
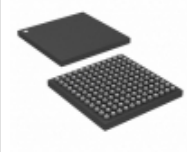
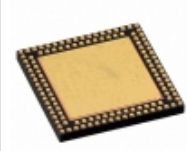
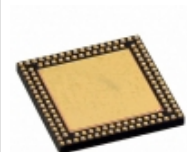
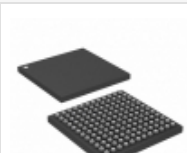
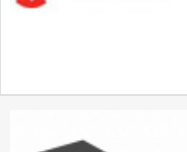
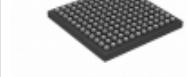
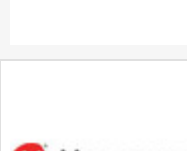
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PRODUCT PARAMETER			
Part Number	PIC32MZ2048EFH144-E/PH	Manufacturer	Micrel / Microchip Technology
Description	IC MCU 32BIT 2MB FLASH 144TQFP	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	8343 pcs	Data sheet	PIC32MZ EF Datasheet PIC32MZ2048ECH144, PIC32MZ2048EFH144 PIC32MZ2048EF Errata PIC32 Microcontroller Brochure
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	2.1 V ~ 3.6 V
Supplier Device Package	144-TQFP (16x16)	Speed	180MHz
Series	Automotive, AEC-Q100, PIC® 32MZ	RAM Size	512K x 8
Program Memory Type	FLASH	Program Memory Size	2MB (2M x 8)
Peripherals	Brown-out Detect/Reset, DMA, I²S, POR, PWM, WDT	Packaging	Tray
Package / Case	144-TQFP	Oscillator Type	Internal
Operating Temperature	-40°C ~ 125°C (TA)	Number of I/O	120
Moisture Sensitivity Level (MSL)	3 (168 Hours)	Manufacturer Standard Lead Time	8 Weeks
Lead Free Status / RoHS Status	Lead free / RoHS Compliant	EEPROM Size	-
Detailed Description	MIPS32® M-Class Automotive, AEC-Q100, PIC® 32MZ Microcontroller IC 32-Bit 180MHz 2MB (2M x 8) FLASH 144-TQFP (16x16)	Data Converters	A/D 48x12b
Core Size	32-Bit	Core Processor	MIPS32® M-Class
Connectivity	CANbus, EBI/EMI, Ethernet, I²C, PMP, SPI, SQI, UART/USART, USB OTG	Base Part Number	PIC32MZ2048
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RELATED PRODUCTS			
	Part#: PIC32MZ2048EFH144-E/PL Description: IC MCU 32BIT 2MB FLASH 144LQFP	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: PIC32MZ2048EFH144T-250I/PL Description: IC MCU 32BIT 2MB FLASH 144LQFP	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: PIC32MZ2048EFH144T-I/PH Description: IC MCU 32BIT 2MB FLASH 144TQFP	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: PIC32MZ2048EFH100T-I/PH Description: IC MCU 32BIT 2MB FLASH 100TQFP	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: PIC32MZ2048EFH100T-I/PT Description: IC MCU 32BIT 2MB FLASH 100TQFP	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: PIC32MZ2048EFH144T-E/JWX Description: 32 BIT MCU, FPU, 2MB FLASH, 512K	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: PIC32MZ2048EFH144T-250I/JWX Description: FLASH, 512KB RAM	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: PIC32MZ2048EFH144-250I/PL Description: IC MCU 32BIT 2MB FLASH 144LQFP	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: PIC32MZ2048EFH124T-I/TL Description: IC MCU 32BIT 2MB FLASH 124VTLA	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: PIC32MZ2048EFH100T-250I/PT Description: IC MCU 32BIT 2MB FLASH 100TQFP	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: PIC32MZ2048EFH124-I/TL Description: IC MCU 32BIT 2MB FLASH 124VTLA	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: PIC32MZ2048EFH144-250I/PH Description: IC MCU 32BIT 2MB FLASH 144TQFP	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: PIC32MZ2048EFH144-250I/JWX Description: FLASH, 512KB RAM	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: PIC32MZ2048EFH124-E/TL Description: IC MCU 32BIT 2MB FLASH 124VTLA	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: PIC32MZ2048EFH144-I/PH Description: IC MCU 32BIT 2MB FLASH 144TQFP	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: PIC32MZ2048EFH144T-I/JWX Description: 32 BIT MCU, FPU, 2MB FLASH, 512K	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: PIC32MZ2048EFH144-I/JWX Description: FLASH, 512KB RAM	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: PIC32MZ2048EFH144T-250I/PH Description: IC MCU 32BIT 2MB FLASH 144TQFP	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: PIC32MZ2048EFH144-I/PL Description: IC MCU 32BIT 2MB FLASH 144LQFP	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: PIC32MZ2048EFH144-E/JWX Description: FLASH, 512KB RAM	Manufacturers: Micrel / Microchip Technology	RFQ

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