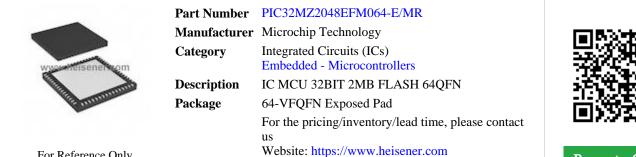


PIC32MZ2048EFM064-E/MR Information



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PIC32MZ2048EFM064-E/MR Specifications

Manufacturer Part NumberPIC32MZ2048EFM064-E/MRManufacturerMicrochip TechnologyCategoryIntegrated Circuits (ICs)Embedded - MicrocontrollersPackage64-VFQFN Exposed PadStreisAutomotive, AEC-Q100, PIC? 32MZCore ProcessorMIPS32? M-ClassCore Size32-BitSpeed180MHzConnectivityCAN, Ethernet, I2C, PMP, SPI, SQI, UART/USART, USB OTGNumber of I/O46Program Memory SizeJBAG (Markan Sama)Program Memory TypeFLASHEEPROM Size-Number of I/O2.1 V ~ 3.6 VProgram Memory Type1.4 CAN Ethernet, I2C, PMC, SPI, SQI, UART/USART, USB OTGProgram Memory TypeFLASHEIPROM Size-Valtage - Supply (Vcc/Vdd)2.1 V ~ 3.6 VDiata ConvertersA/O 24x12bOrder of Size A-Mounting Type-Package Case6.4/FQFN Exposed PadSupplier Device Package6.4/FQFN E			
CategoryIntegrated Circuits (CS)Embedded - MicrocontrollersPackage64-VFQFN Exposed PadSeriesAutomotive, AEC-Q100, PIC? 32MZCore ProcessorMIPS32? M-ClassCore Size32-BitSpeed180MHzConnectivityCAN, Ethernet, I2C, PMP, SPI, SQI, UART/USART, USB OTGPeripheralsBrown-out Detect/Reset, DMA, I2S, POR, PWM, WDTNumber of I/O46Program Memory Size2MB (2M x 8)Program Memory TypeFLASHEEPROM Size-Att Size512K x 8Voltage - Supply (Vcc/Vdd)2.1 V ~ 3.6 VData ConvertersA/D 24x12bOscillator TypeInternalOperating Temperature-40°C ~ 125°CMounting Type-Package / Case64-VFQFN Exposed PadSupplier Device Package64-QFN Exposed Pad (9x9)	Manufacturer Part Number	PIC32MZ2048EFM064-E/MR	
IndexdedEmbedded - MicrocontrollersPackage64-VFQFN Exposed PadSeriesAutomotive, AEC-Q100, PIC? 32MZCore ProcessorMIPS32? M-ClassCore Size32-BitSpeed180MHzConnectivityCAN, Ethernet, I2C, PMP, SPI, SQI, UART/USART, USB OTGPeripheralsBrown-out Detect/Reset, DMA, I2S, POR, PWM, WDTNumber of I/O46Program Memory Size2MB (2M x 8)Pergorm Memory TypeFLASHEEPROM Size-RAM Size512K x 8Voltage - Supply (Vcc/Vdd)2.1 V ~ 3.6 VData ConvertersA/D 24x12bOscillator TypeInternalOperating Temperature-40°C ~ 125°CMounting Type54-VFQFN Exposed PadSupplier Device Package64-QFN Exposed Pad (9x9)	Manufacturer	Microchip Technology	
Package64-VFQFN Exposed PadSeriesAutomotive, AEC-Q100, PIC? 32MZCore ProcessorMIPS32? M-ClassCore Size32-BitSpeed180MHzConnectivityCAN, Ethernet, I2C, PMP, SPI, SQI, UART/USART, USB OTGPeripheralsBrown-out Detect/Reset, DMA, I2S, POR, PWM, WDTNumber of I/O46Program Memory Size2MB (2M x 8)EEPROM Size-RAM Size512K x 8Voltage - Supply (Vcc/Vdd)2.1 V ~ 3.6 VData ConvertersA/D 24x12bOscillator TypeInternalOperating Temperature-40°C ~ 125°CMounting Type64-VFQFN Exposed PadSupplier Device Package64-QFN Exposed Pad (9x9)	Category	Integrated Circuits (ICs)	
SeriesAutomotive, AEC-Q100, PIC? 32MZCore ProcessorMIPS32? M-ClassCore Size32-BitSpeed180MHzConnectivityCAN, Ethernet, I2C, PMP, SPI, SQI, UART/USART, USB OTGPeripheralsBrown-out Detect/Reset, DMA, I2S, POR, PWM, WDTNumber of I/O46Program Memory Size2MB (2M x 8)Program Memory TypeFLASHEEPROM Size-RAM Size512K x 8Voltage - Supply (Vcc/Vdd)2.1 V ~ 3.6 VData ConvertersAD 24x12bOscillator TypeInternalOperating Temperature-40°C ~ 125°CMounting Type64-VFQFN Exposed PadSupplier Device Package64-QFN Exposed Pad (9x9)		Embedded - Microcontrollers	
Core ProcessorMIPS32? M-ClassCore Size32-BitSpeed180MHzConnectivityCAN, Ethernet, I2C, PMP, SPI, SQI, UART/USART, USB OTGPeripheralsBrown-out Detect/Reset, DMA, I2S, POR, PWM, WDTNumber of I/O46Program Memory Size2MB (2M x 8)Program Memory TypeFLASHEEPROM Size-RAM Size512K x 8Voltage - Supply (Vcc/Vdd)2.1 V ~ 3.6 VData ConvertersA/D 24x12bOscillator TypeInternalOperating Temperature-Auouting Type-Package / Case64-VFQFN Exposed PadSupplier Device Package64-QFN Exposed Pad (9x9)	Package	64-VFQFN Exposed Pad	
Core Size32-BitSpeed180MHzConnectivityCAN, Ethernet, I2C, PMP, SQI, UART/USART, USB OTGPeripheralsBrown-out Detect/Reset, DMA, I2S, POR, PWM, WDTNumber of I/O46Program Memory Size2MB (2M x 8)Program Memory TypeFLASHEEPROM Size-Voltage - Supply (Vcc/Vdd)2.1 V ~ 3.6 VOscillator TypeInternalOperating Temperature-40°C ~ 125°CMounting Type6.4VFQFNExposed PadSupplier Device Package64-QFN Exposed Pad (9x9)	Series	Automotive, AEC-Q100, PIC? 32MZ	
Speed180MHzConnectivityCAN, Ethernet, I2C, PMP, SPI, SQI, UART/USART, USB OTGPeripheralsBrown-out Detect/Reset, DMA, I2S, POR, PWM, WDTNumber of I/O46Program Memory Size2MB (2M x 8)Program Memory TypeFLASHEEPROM Size-RAM Size512K x 8Voltage - Supply (Vcc/Vdd)2.1 V ~ 3.6 VData ConvertersAD 24x12bOscillator Type-40°C ~ 125°CMounting Type-40°C ~ 125°CPackage / Case64-VFQFN Exposed Pad (9x9)	Core Processor	MIPS32? M-Class	
Ó Ó Connectivity CAN, Ethernet, I2C, PMP, SPI, SQI, UART/USART, USB OTG Peripherals Brown-out Detect/Reset, DMA, I2S, POR, PWM, WDT Number of I/O 46 Program Memory Size 2MB (2M x 8) Program Memory Type FLASH EEPROM Size - RAM Size 512K x 8 Voltage - Supply (Vcc/Vdd) 2.1 V ~ 3.6 V Data Converters A/D 24x12b Oscillator Type Internal Operating Temperature -40°C ~ 125°C Mounting Type - Package / Case 64-VFQFN Exposed Pad (9x9)	Core Size	32-Bit	
PeripheralsBrown-out Detect/Reset, DMA, I2S, POR, PWM, WDTNumber of I/O46Program Memory Size2MB (2M x 8)Program Memory TypeFLASHEEPROM Size-RAM Size512K x 8Voltage - Supply (Vcc/Vdd)2.1 V ~ 3.6 VData ConvertersA/D 24x12bOscillator TypeInternalOperating Temperature-40°C ~ 125°CMounting Type-Package / Case64-VFQFN Exposed Pad (9x9)	Speed	180MHz	
Number of I/O 46 Program Memory Size 2MB (2M x 8) Program Memory Type FLASH EEPROM Size - RAM Size 512K x 8 Voltage - Supply (Vcc/Vdd) 2.1 V ~ 3.6 V Data Converters A/D 24x12b Oscillator Type Internal Operating Temperature -40°C ~ 125°C Mounting Type - Package / Case 64-VFQFN Exposed Pad (9x9)	Connectivity	CAN, Ethernet, I2C, PMP, SPI, SQI, UART/USART, USB OTG	
Program Memory Size2MB (2M x 8)Program Memory TypeFLASHEEPROM Size-RAM Size512K x 8Voltage - Supply (Vcc/Vdd)2.1 V ~ 3.6 VData ConvertersA/D 24x12bOscillator TypeInternalOperating Temperature-40°C ~ 125°CMounting Type-Package / Case64-VFQFN Exposed Pad (9x9)	Peripherals	Brown-out Detect/Reset, DMA, I2S, POR, PWM, WDT	
Program Memory TypeFLASHEEPROM Size-RAM Size512K x 8Voltage - Supply (Vcc/Vdd)2.1 V ~ 3.6 VData ConvertersA/D 24x12bOscillator TypeInternalOperating Temperature-40°C ~ 125°C-Package / Case64-VFQFN Exposed PadSupplier Device Package64-QFN Exposed Pad (9x9)	Number of I/O	46	
EEPROM Size-RAM Size512K x 8Voltage - Supply (Vcc/Vdd)2.1 V ~ 3.6 VData ConvertersA/D 24x12bOscillator TypeInternalOperating Temperature-40°C ~ 125°CMounting Type-Package / Case64-VFQFN Exposed PadSupplier Device Package64-QFN Exposed Pad (9x9)	Program Memory Size	2MB (2M x 8)	
RAM Size512K x 8Voltage - Supply (Vcc/Vdd)2.1 V ~ 3.6 VData ConvertersA/D 24x12bOscillator TypeInternalOperating Temperature-40°C ~ 125°CMounting Type-Package / Case64-VFQFN Exposed PadSupplier Device Package64-QFN Exposed Pad (9x9)	Program Memory Type	FLASH	
Note of the second se	EEPROM Size	-	
Data ConvertersA/D 24x12bOscillator TypeInternalOperating Temperature-40°C ~ 125°CMounting Type-Package / Case64-VFQFN Exposed PadSupplier Device Package64-QFN Exposed Pad (9x9)	RAM Size	512K x 8	
Oscillator TypeInternalOperating Temperature-40°C ~ 125°CMounting Type-Package / Case64-VFQFN Exposed PadSupplier Device Package64-QFN Exposed Pad (9x9)	Voltage - Supply (Vcc/Vdd)	2.1 V ~ 3.6 V	
Operating Temperature-40°C ~ 125°CMounting Type-Package / Case64-VFQFN Exposed PadSupplier Device Package64-QFN Exposed Pad (9x9)	Data Converters	A/D 24x12b	
Mounting Type-Package / Case64-VFQFN Exposed PadSupplier Device Package64-QFN Exposed Pad (9x9)	Oscillator Type	Internal	
Package / Case64-VFQFN Exposed PadSupplier Device Package64-QFN Exposed Pad (9x9)	Operating Temperature	$-40^{\circ}C \sim 125^{\circ}C$	
Supplier Device Package64-QFN Exposed Pad (9x9)	Mounting Type	-	
	Package / Case	64-VFQFN Exposed Pad	
Report errors?	Supplier Device Package	64-QFN Exposed Pad (9x9)	
			Report errors?

PIC32MZ2048EFM064-E/MR Guarantees



Quality Guarantees

We provide 90 days warranty. * If the items you received were not in perfect quality, we would be responsible for your refund or replacement, but the items must be returned in their original condition.



Service Guarantees

We guarantee 100% customer satisfaction. Our experienced sales team and tech support team back our services to satisfy all our customers.

PIC32MZ2048EFM064-E/MR Payment Methods



If you have any question about PIC32MZ2048EFM064-E/MR, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com