

PIC32MZ2048EFH064-250I/MR

PIC32MZ2048EFH064-250I/MR Information



For Reference Only

Part Number PIC32MZ2048EFH064-250I/MR

Manufacturer Microchip Technology

Category Integrated Circuits (ICs)
Embedded - Microcontrollers

Description IC MCU 32BIT 2MB FLASH 64QFN

Package 64-VFQFN Exposed Pad

For the pricing/inventory/lead time, please contact

us

Website: https://www.heisener.com E-mail: salesdept@heisener.com



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Certified Quality

Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.









PIC32MZ2048EFH064-250I/MR Specifications

Manufacturer Part Number PIC32MZ2048EFH064-250I/MR Manufacturer Microchip Technology Category Integrated Circuits (ICs) Package 64-VFQFN Exposed Pad Series PIC* 32MZ Core Processor MIPS32? M-Class Core Size 32-Bit Speed 250MHz 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 ~ 80°C (TA) Mounting Type - Package / Case 64-VFQFN Exposed Pad Supplier Device Package 64-QFN (9x9)			
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Series PIC? 32MZ Core Processor MIPS32? M-Class Core Size 32-Bit Speed 250MHz 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 ~ 80°C (TA) Mounting Type - Package / Case 64-VFQFN Exposed Pad Supplier Device Package 64-QFN (9x9)		Embedded - Microcontrollers	
Core ProcessorMIPS32? M-ClassCore Size32-BitSpeed250MHzConnectivityCAN, 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-40°C ~ 80°C (TA)Mounting Type-Package / Case64-VFQFN Exposed PadSupplier Device Package64-QFN (9x9)	Package	64-VFQFN Exposed Pad	
Core Size 32-Bit Speed 250MHz 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 ~ 80°C (TA) Mounting Type Package / Case 64-VFQFN Exposed Pad Supplier Device Package 64-QFN (9x9)	Series	PIC? 32MZ	
Speed 250MHz Connectivity CAN, Ethernet, 12C, PMP, SPI, SQI, UART/USART, USB OTG Peripherals Brown-out Detect/Reset, DMA, 12S, 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 ~ 80°C (TA) Mounting Type Package / Case 64-VFQFN Exposed Pad Supplier Device Package 64-QFN (9x9)	Core Processor	MIPS32? M-Class	
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 ~ 80°C (TA) Mounting Type Package / Case 64-VFQFN Exposed Pad Supplier Device Package 64-QFN (9x9)	Core Size	32-Bit	
Peripherals Brown-out Detect/Reset, DMA, 12S, 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 ~ 80°C (TA) Mounting Type - Package / Case 64-VFQFN Exposed Pad Supplier Device Package 64-QFN (9x9)	Speed	250MHz	
Number of I/O 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 ~ 80°C (TA) Mounting Type - Package / Case 64-VFQFN Exposed Pad Supplier Device Package 64-QFN (9x9)	Connectivity	CAN, Ethernet, I2C, PMP, SPI, SQI, UART/USART, USB OTG	
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 ~ 80°C (TA) Mounting Type - Package / Case 64-VFQFN Exposed Pad Supplier Device Package 64-QFN (9x9)	Peripherals	Brown-out Detect/Reset, DMA, I2S, POR, PWM, WDT	
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 ~ 80°C (TA) Mounting Type - Package / Case 64-VFQFN Exposed Pad Supplier Device Package 64-QFN (9x9)	Number of I/O	46	
EEPROM 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 ~ 80°C (TA) Mounting Type - Package / Case 64-VFQFN Exposed Pad Supplier Device Package 64-QFN (9x9)	Program Memory Size	2MB (2M x 8)	
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 ~ 80°C (TA) Mounting Type - Package / Case 64-VFQFN Exposed Pad Supplier Device Package 64-QFN (9x9)	Program Memory Type	FLASH	
Voltage - Supply (Vcc/Vdd) 2.1 V ~ 3.6 V A/D 24x12b Oscillator Type Internal Operating Temperature -40°C ~ 80°C (TA) Mounting Type - Package / Case 64-VFQFN Exposed Pad Supplier Device Package 64-QFN (9x9)	EEPROM Size	-	
Data Converters A/D 24x12b Oscillator Type Internal Operating Temperature -40°C ~ 80°C (TA) Mounting Type - Package / Case 64-VFQFN Exposed Pad Supplier Device Package 64-QFN (9x9)	RAM Size	512K x 8	
Oscillator Type Internal Operating Temperature -40°C ~ 80°C (TA) Mounting Type - Package / Case 64-VFQFN Exposed Pad Supplier Device Package 64-QFN (9x9)	Voltage - Supply (Vcc/Vdd)	2.1 V ~ 3.6 V	
Operating Temperature -40°C ~ 80°C (TA) Mounting Type - Package / Case 64-VFQFN Exposed Pad Supplier Device Package 64-QFN (9x9)	Data Converters	A/D 24x12b	
Mounting Type - Package / Case 64-VFQFN Exposed Pad Supplier Device Package 64-QFN (9x9)	Oscillator Type	Internal	
Package / Case 64-VFQFN Exposed Pad Supplier Device Package 64-QFN (9x9)	Operating Temperature	-40°C ~ 80°C (TA)	
Supplier Device Package 64-QFN (9x9)	Mounting Type	-	
	Package / Case	64-VFQFN Exposed Pad	
Report errors?	Supplier Device Package	64-QFN (9x9)	
			Report errors?

PIC32MZ2048EFH064-250I/MR Guarantees



Ouality 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.

PIC32MZ2048EFH064-250I/MR Payment Methods



















PIC32MZ2048EFH064-250I/MR Shipping Methods













If you have any question about PIC32MZ2048EFH064-250I/MR, please do not hesitate to contact us!

Website: https://www.heisener.com E-mail: salesdept@heisener.com