

PIC32MZ2048ECM100-I/PT

PIC32MZ2048ECM100-I/PT Information



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.



PIC32MZ2048ECM100-I/PT Specifications

Manufacturer Part Number PIC32MZ2048ECM100-I/PT Manufacturer Microchip Technology Ategory Integrated Circuits (ICS) Embedded - Microcontrollers Embedded - Microcontrollers Package 100-TQFP Scries PIC9 32MZ Core Processor MIPS32? microAptiv? Core Size 32-Bit Speed 00MHz Connectivity CAN, EBI/EMI, Ethernet, 12C, SPI, SQI, UART/USART, USB OTG Number of I/O 78 Program Memory Size MIB (2M x 8) Program Memory Type FLASH Stack Size S12 X x 3.6 V Voltage - Supply (Vcc/Vdd) 3.2 V - 3.6 V Order Size 4.00-Apt - Size Circuits Order Size 1.01-Apt - Size Circuits Mumour of J/O S1X x 8 Program Memory Type FLASH Pictory S1X x 8 Size S1X x 3.6 V Didage - Supply (Vcc/Vdd) S1X v - 3.6 V Ording Type -40°C AsS°C (TA) Ording Type -40°C AsS°C (TA) Mounting Type <th></th> <th></th> <th></th>			
CategoryIntegrated Circuits (ICs)Embedded - MicroontrollersPackage100-TQFPSeriesPIC? 32MZCore ProcessorMIPS32? microAptiv?Core Size32-BitSpeed200MHzConnectivityCAN, EBI/EMI, Ethernet, 12C, SPI, SQI, UART/USART, USB OTGPeripheralsBrown-out Detect/Reset, DMA, 12S, POR, PWM, WDTNumber of I/O78Program Memory Size2MB (2M x 8)Program Memory TypeFLASHEEPROM Size-Nutsize512K x 8Voltage - Supply (Vcc/Vdd)2.3 V ~ 3.6 VData ConvertersA/D 40x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case100-TQFP (12x12)	Manufacturer Part Number	PIC32MZ2048ECM100-I/PT	
Embedded - MicrocontrollersPackage100-TQFPSeriesPIC? 32MZCore ProcessorMIPS32? microAptiv?Core Size32-BitSpeed200MHzConnectivityCAN, EBI/EMI, Ethernet, 12C, SPI, SQI, UART/USART, USB OTGPeripheralsBrown-out Detect/Reset, DMA, 12S, POR, PWM, WDTNumber of I/O78Program Memory Size2MB (2M x 8)EEPROM Size-RAM Size512K x 8Voltage - Supply (Vcc/Vdd)2.3 V ~ 3.6 VData ConvertersA/D 40x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type100-TQFPSupplier Device Package100-TQFP (12x12)	Manufacturer	Microchip Technology	
PackageInformationPackageIOC-TQFPSeriesPIC? 32MZCore ProcessorMIPS32? microAptiv?Core Size32-BitSpeed200MHzConnectivityCAN, EBI/EMI, Ethernet, I2C, SPI, SQI, UART/USART, USB OTGPreipheralsBrown-out Detect/Reset, DMA, I2S, POR, PWM, WDTNumber of I/O78Program Memory Size2MB (2M x 8)FEPROM Size-RAM Size512K x 8Voltage - Supply (Vcc/Vdd)2.3 V ~ 3.6 VData ConvertersA/D 40x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case100-TQFP (12x12)	Category	Integrated Circuits (ICs)	
SeriesPIC? 32MZCore ProcessorMIPS32? microAptiv?Core Size32-BitSpeed200MHzConnectivityCAN, EBI/EMI, Ethernet, I2C, SPI, SQI, UART/USART, USB OTGPeripheralsBrown-out Detect/Reset, DMA, I2S, POR, PWM, WDTNumber of I/O78Program Memory Size2MB (2M x 8)Program Memory TypeFLASHEEPROM Size-RAM Size512K x 8Voltage - Supply (Vcc/Vdd)2.3 V ~ 3.6 VData ConvertersA/D 40x12bOscillator TypeInternalOperating Temperature40°C ~ 85°C (TA)Mounting Type-Package / Case100-TQFP (12x12)		Embedded - Microcontrollers	
Core ProcessorMIPS32? microAptiv?Core Size32-BitSpeed200MHzConnectivityCAN, EBI/EMI, Ethernet, I2C, SPI, SQI, UART/USART, USB OTGPeripheralsBrown-out Detect/Reset, DMA, I2S, POR, PWM, WDTNumber of I/O78Program Memory Size2MB (2M x 8)Program Memory TypeFLASHEEPROM Size-Voltage - Supply (Vcc/Vdd)2.3 V ~ 3.6 VOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case100-TQFP (12x12)	Package	100-TQFP	
Core Size32-BitSpeed200MHzConnectivityCAN, EBI/EMI, Ethernet, I2C, SPI, SQI, UART/USART, USB OTGPeripheralsBrown-out Detect/Reset, DMA, I2S, POR, PWM, WDTNumber of I/O78Program Memory Size2MB (2M x 8)Program Memory TypeFLASHEEPROM Size-RAM Size512K x 8Voltage - Supply (Vcc/Vdd)2.3 V ~ 3.6 VData ConvertersAD4 0x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type100-TQFP (12x12)	Series	PIC? 32MZ	
Speed200MHzConnectivityCAN, EBI/EMI, Ethernet, I2C, SPI, SQI, UART/USART, USB OTGPeripheralsBrown-out Detect/Reset, DMA, I2S, POR, PWM, WDTNumber of I/O78Program Memory Size2MB (2M x 8)Program Memory TypeFLASHEEPROM Size-RAM Size512K x 8Voltage - Supply (Vcc/Vdd)AD 40x12bData ConvertersAD 40x12bOperating Temperature-40°C ~85°C (TA)Mounting Type0.01 QEF (12x12)	Core Processor	MIPS32? microAptiv?	
Connectivity CAN, EBI/EMI, Ethernet, I2C, SPI, SQI, UART/USART, USB OTG Peripherals Brown-out Detect/Reset, DMA, I2S, POR, PWM, WDT Number of I/O 78 Program Memory Size 2MB (2M x 8) Program Memory Type FLASH EEPROM Size - RAM Size 512K x 8 Voltage - Supply (Vcc/Vdd) 2.3 V ~ 3.6 V Data Converters A/D 40x12b Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 100-TQFP (12x12)	Core Size	32-Bit	
PeripheralsBrown-out Detect/Reset, DMA, 12S, POR, PWM, WDTNumber of I/O78Program Memory Size2MB (2M x 8)Program Memory TypeFLASHEEPROM Size-RAM Size512K x 8Voltage - Supply (Vcc/Vdd)2.3 V ~ 3.6 VData ConvertersA/D 40x12bOscillator Type-Porating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case100-TQFP (12x12)	Speed	200MHz	
Number of I/O78Program Memory Size2MB (2M x 8)Program Memory TypeFLASHEEPROM Size-RAM Size512K x 8Voltage - Supply (Vcc/Vdd)2.3 V ~ 3.6 VData ConvertersA/D 40x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case100-TQFP (12x12)	Connectivity	CAN, EBI/EMI, Ethernet, I2C, SPI, SQI, UART/USART, USB OTG	
Program Memory Size2MB (2M x 8)Program Memory TypeFLASHEEPROM Size-RAM Size512K x 8Voltage - Supply (Vcc/Vdd)2.3 V ~ 3.6 VData ConvertersA/D 40x12bOscillator TypeInternalOperating Temperature-Mounting Type-Package / Case100-TQFP (12x12)	Peripherals	Brown-out Detect/Reset, DMA, I2S, POR, PWM, WDT	
Program Memory TypeFLASHEEPROM Size-RAM Size512K x 8Voltage - Supply (Vcc/Vdd)2.3 V ~ 3.6 VData ConvertersA/D 40x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case100-TQFPSupplier Device Package100-TQFP (12x12)	Number of I/O	78	
EEPROM Size-RAM Size512K x 8Voltage - Supply (Vcc/Vdd)2.3 V ~ 3.6 VData ConvertersA/D 40x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case100-TQFPSupplier Device Package100-TQFP (12x12)	Program Memory Size	2MB (2M x 8)	
RAM Size512K x 8Voltage - Supply (Vcc/Vdd)2.3 V ~ 3.6 VData ConvertersA/D 40x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type.Package / Case100-TQFPSupplier Device Package100-TQFP (12x12)	Program Memory Type	FLASH	
Voltage - Supply (Vcc/Vdd)2.3 V ~ 3.6 VData ConvertersA/D 40x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case100-TQFPSupplier Device Package100-TQFP (12x12)	EEPROM Size	-	
Data ConvertersA/D 40x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case100-TQFPSupplier Device Package100-TQFP (12x12)	RAM Size	512K x 8	
Oscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case100-TQFPSupplier Device Package100-TQFP (12x12)	Voltage - Supply (Vcc/Vdd)	2.3 V ~ 3.6 V	
Operating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case100-TQFPSupplier Device Package100-TQFP (12x12)	Data Converters	A/D 40x12b	
Mounting Type-Package / Case100-TQFPSupplier Device Package100-TQFP (12x12)	Oscillator Type	Internal	
Package / Case100-TQFPSupplier Device Package100-TQFP (12x12)	Operating Temperature	-40°C ~ 85°C (TA)	
Supplier Device Package100-TQFP (12x12)	Mounting Type	-	
	Package / Case	100-TQFP	
Report errors?	Supplier Device Package	100-TQFP (12x12)	
			Report errors?

PIC32MZ2048ECM100-I/PT 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.

PIC32MZ2048ECM100-I/PT Payment Methods



If you have any question about PIC32MZ2048ECM100-I/PT, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com