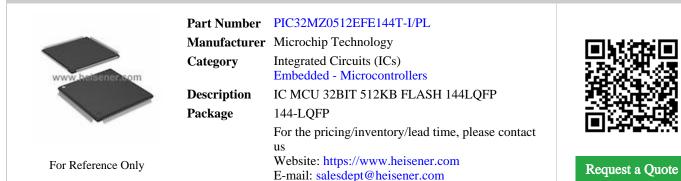


PIC32MZ0512EFE144T-I/PL

PIC32MZ0512EFE144T-I/PL 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.



PIC32MZ0512EFE144T-I/PL Specifications

ManufacturerMicrochip TechnologyCategoryIntegrated Circuits (ICs)Embedded - MicrocontrollersPackage144-LQFPSeriesPIC? 32MZCore ProcessorMIPS32? M-ClassCore Size32-BitSpeed200MHzConnectivityEBI/EMI, Ethernet, I2C, PMP, SPI, SQI, UART/USART, USB OTGPreipheralsBrown-out Detect/Reset, DMA, 12S, POR, PWM, WDTNumber of I/O120Program Memory Size512KB (512K x 8)EEPROM Size-RAM Size128K x 8Voltage - Supply (Vcc/Vdd)2.1 V ~ 3.6 VData ConvertersAID 48x12bOperating Temperature-Apottage Temperatures-Apottage Temperatures-<		-	
CategoryIntegrated Circuits (ICs)Embedded - MicrocontrollersPackage144-LQFPSeriesPIC? 32MZCore ProcessorMIPS32? M-ClassCore Size32-BitSpeed200MHzConnectivityEBI/EMI, Ethernet, 12C, PMP, SPI, SQI, UART/USART, USB OTGPeripheralsBrown-out Detect/Reset, DMA, 12S, POR, PWM, WDTNumber of I/O120Program Memory Size512KB (512K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size128K x 8Voltage - Supply (Vcc/Vdd)2.1 V ~ 3.6 VData ConvertersA/D 48x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case144-LQFP (20x20)	Manufacturer Part Number	PIC32MZ0512EFE144T-I/PL	
Indext and the second	Manufacturer	Microchip Technology	
Package144-LQFPSeriesPIC? 32MZCore ProcessorMIPS32? M-ClassCore Size32-BitSpeed200MHzConnectivityEBI/EMI, Ethernet, I2C, PMP, SPI, SQI, UART/USART, USB OTGPeripheralsBrown-out Detect/Reset, DMA, I2S, POR, PWM, WDTNumber of I/O120Program Memory Size512KB (512K x 8)PEROM Size-RAM Size128K x 8Voltage - Supply (Vcc/Vdd)2.1 V ~ 3.6 VData ConvertersAID 48x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type144-LQFPSupplier Device Package144-LQFP (20x20)	Category	Integrated Circuits (ICs)	
SeriesPIC? 32MZCore ProcessorMIPS32? M-ClassCore Size32-BitSpeed200MHzConnectivityEBI/EMI, Ethernet, I2C, PMP, SPI, SQI, UART/USART, USB OTGPeripheralsBrown-out Detect/Reset, DMA, I2S, POR, PWM, WDTNumber of I/O120Program Memory Size512KB (512K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size128K x 8Voltage - Supply (Vcc/Vdd)2.1 V ~ 3.6 VData ConvertersA/D 48x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type144-LQFP (20x20)		Embedded - Microcontrollers	
Core ProcessorMIPS32? M-ClassCore Size32-BitSpeed200MHzConnectivityEBI/EMI, Ethernet, I2C, PMP, SPI, SQI, UART/USART, USB OTGPripheralsBrown-out Detect/Reset, DMA, I2S, POR, PWM, WDTNumber of I/O120Program Memory Size512KB (512K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size128K x 8Voltage - Supply (Vcc/Vdd)2.1 V ~ 3.6 VData ConvertersA/D 48x12bOscillator TypeInternalOperating Temperature-Prokage / Case144-LQFPSupplier Device Package144-LQFP	Package	144-LQFP	
Core Size32-BitSpeed200MHzConnectivityEBI/EMI, Ethernet, I2C, PMP, SPI, SQI, UART/USART, USB OTGPeripheralsBrown-out Detect/Reset, DMA, I2S, POR, PWM, WDTNumber of I/O120Program Memory Size512KB (512K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size128K x 8Voltage - Supply (Vcc/Vdd)2.1 V ~ 3.6 VData ConvertersA/D 48x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case144-LQFP (20x20)	Series	PIC? 32MZ	
Speed200MHzConnectivityEBI/EMI, Ethernet, I2C, PMP, SPI, SQI, UART/USART, USB OTGPeripheralsBrown-out Detect/Reset, DMA, I2S, POR, PWM, WDTNumber of I/O120Program Memory Size512KB (512K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size128K x 8Voltage - Supply (Vcc/Vdd)2.1 V ~ 3.6 VData ConvertersA/D 48x12bOscillator TypeInternalOperating Temperature-Package / Case144-LQFP (20x20)	Core Processor	MIPS32? M-Class	
Connectivity EBI/EMI, Ethernet, I2C, PMP, SPI, SQI, UART/USART, USB OTG Peripherals Brown-out Detect/Reset, DMA, I2S, POR, PWM, WDT Number of I/O 120 Program Memory Size 512KB (512K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 128K x 8 Voltage - Supply (Vcc/Vdd) 2.1 V ~ 3.6 V Data Converters A/D 48x12b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 144-LQFP (20x20)	Core Size	32-Bit	
PeripheralsBrown-out Detect/Reset, DMA, 12S, POR, PWM, WDTNumber of I/O120Program Memory Size512KB (512K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size128K x 8Voltage - Supply (Vcc/Vdd)2.1 V ~ 3.6 VData ConvertersA/D 48x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type144-LQFPSupplier Device Package144-LQFP (20x20)	Speed	200MHz	
Number of I/O120Program Memory Size512KB (512K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size128K x 8Voltage - Supply (Vcc/Vdd)2.1 V ~ 3.6 VData ConvertersA/D 48x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case144-LQFP (20x20)	Connectivity	EBI/EMI, Ethernet, I2C, PMP, SPI, SQI, UART/USART, USB OTG	
Program Memory Size512KB (512K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size128K x 8Voltage - Supply (Vcc/Vdd)2.1 V ~ 3.6 VData ConvertersA/D 48x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case144-LQFP (20x20)	Peripherals	Brown-out Detect/Reset, DMA, I2S, POR, PWM, WDT	
Program Memory TypeFLASHEEPROM Size-RAM Size128K x 8Voltage - Supply (Vcc/Vd)2.1 V ~ 3.6 VData ConvertersA/D 48x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case144-LQFPSupplier Device Package144-LQFP (20x20)	Number of I/O	120	
EEPROM Size-RAM Size128K x 8Voltage - Supply (Vcc/Vdd)2.1 V ~ 3.6 VData ConvertersA/D 48x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case144-LQFPSupplier Device Package144-LQFP (20x20)	Program Memory Size	512KB (512K x 8)	
RAM Size128K x 8Voltage - Supply (Vcc/Vdd)2.1 V ~ 3.6 VData ConvertersA/D 48x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case144-LQFPSupplier Device Package144-LQFP (20x20)	Program Memory Type	FLASH	
Voltage - Supply (Vcc/Vdd)2.1 V ~ 3.6 VData ConvertersA/D 48x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case144-LQFPSupplier Device Package144-LQFP (20x20)	EEPROM Size	-	
Data ConvertersA/D 48x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case144-LQFPSupplier Device Package144-LQFP (20x20)	RAM Size	128K x 8	
Oscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case144-LQFPSupplier Device Package144-LQFP (20x20)	Voltage - Supply (Vcc/Vdd)	2.1 V ~ 3.6 V	
Operating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case144-LQFPSupplier Device Package144-LQFP (20x20)	Data Converters	A/D 48x12b	
Mounting Type-Package / Case144-LQFPSupplier Device Package144-LQFP (20x20)	Oscillator Type	Internal	
Package / Case144-LQFPSupplier Device Package144-LQFP (20x20)	Operating Temperature	-40°C ~ 85°C (TA)	
Supplier Device Package144-LQFP (20x20)	Mounting Type	-	
	Package / Case	144-LQFP	
Report errors?	Supplier Device Package	144-LQFP (20x20)	
			Report errors?

PIC32MZ0512EFE144T-I/PL 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.

PIC32MZ0512EFE144T-I/PL Payment Methods



If you have any question about PIC32MZ0512EFE144T-I/PL, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com