

PIC32MX174F256D-I/ML Information

	Part Number	PIC32MX174F256D-I/ML	
	Manufacturer	Microchip Technology	
Contraction of the second seco	Category	Integrated Circuits (ICs) Embedded - Microcontrollers	- 5
	Description	IC MCU 32BIT 256KB FLASH	- 23
	Package	44-VQFN Exposed Pad	
		For the pricing/inventory/lead time, please contact	
For Reference Only		us Website: https://www.heisener.com E-mail: salesdept@heisener.com	Re

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PIC32MX174F256D-I/ML Specifications

Manufacturer Part NumberPIC32MX174F256D-1/MLManufacturerMicrochip TechnologyCategoryIntegrated Circuits (ICs)Embedded - MicrocontrollersPackage44-VQFN Exposed PadSeriesPIC? XLP? 32MXCore ProcessorMIPS32? M4K?Core Size32-BitSpeed72MHzConnectivityI2C, IrDA, LIN, PMP, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, HLVD, I2S, POR, PWM, WDTNumber of I/O34Program Memory Size256KB (256K x 8)FORGFLASHEEPROM Size-RAM Size64K x 8Voltage - Supply (Vcc/Vdd)2.5 V ~ 3.6 VData ConvertersAJD 13x10bOscillator TypeInternalMounting Type-Parting Temperature-40°C ~ 85°C (TA)Mounting Type-Parting Temperature-Parting Temperature-Mounting Type-Parting Temperature-Parting Temperature <th></th> <th></th> <th></th>			
CategoryIntegrated Circuits (ICs)Embedded - MicrocontrollersPackage44-VQFN Exposed PadSeriesPIC? XLP? 32MXCore ProcessorMIPS32? M4K?Core Size32-BitSpeed72MHzConnectivityI2C, IrDA, LIN, PMP, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, HLVD, 12S, POR, PWM, WDTNumber of I/O34Program Memory Size56KB (256K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size64K x 8Voltage - Supply (Vcc/Vdd)2.5 V ~ 3.6 VData ConvertersAD 13x10bOscillator TypeInternalMounting Type-Package / Case44-VQFN Exposed Pad	Manufacturer Part Number	PIC32MX174F256D-I/ML	
Embedded - MicrocontrollersPackage44-VQFN Exposed PadSeriesPIC? XLP? 32MXCore ProcessorMIPS32? M4K?Core Size32-BitSpeed72MHzConnectivityI2C, IrDA, LIN, PMP, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, HLVD, I2S, POR, PWM, WDTNumber of I/O34Program Memory Size256KB (256K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size64K x 8Voltage - Supply (Vcc/Vdd)2.5 V ~ 3.6 VData ConvertersA/D 13x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type44-VQFN Exposed Pad	Manufacturer	Microchip Technology	
Package 44-VQFN Exposed Pad Series PIC? XLP? 32MX Core Processor MIPS32? M4K? Core Size 32-Bit Speed 72MHz Connectivity I2C, IrDA, LIN, PMP, SPI, UART/USART Peripherals Brown-out Detect/Reset, DMA, HLVD, I2S, POR, PWM, WDT Number of I/O 34 Program Memory Size 256KB (256K x 8) Program Memory Type FLASH FEPROM Size - Voltage - Supply (Vcc/Vdd) 2.5 V ~ 3.6 V Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type -44VQFN Exposed Pad	Category	Integrated Circuits (ICs)	
SeriesPIC? XLP? 32MXCore ProcessorMIPS32? M4K?Core Size32-BitSpeed72MHzConnectivityI2C, IrDA, LIN, PMP, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, HLVD, I2S, POR, PWM, WDTNumber of I/O34Program Memory Size256KB (256K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size64K x 8Voltage - Supply (Vcc/Vdd)2.5 V ~ 3.6 VData ConvertersA/D 13x10bOscillator TypeInternalOperating Temperature40°C ~ 85°C (TA)Mounting Type44-VQFN Exposed Pad		Embedded - Microcontrollers	
Core ProcessorMIPS32? M4K?Core Size32-BitSpeed72MHzConnectivityI2C, IrDA, LIN, PMP, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, HLVD, I2S, POR, PWM, WDTNumber of I/O34Program Memory Size256KB (256K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size64K x 8Voltage - Supply (Vcc/Vdd)2.5 V ~ 3.6 VData ConvertersA/D 13x10bOscillator Type-Querting Temperature-40°C ~ 85°C (TA)Mounting Type44-VQFN Exposed Pad	Package	44-VQFN Exposed Pad	
Core Size32-BitSpeed72MHzConnectivityI2C, IrDA, LIN, PMP, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, HLVD, 12S, POR, PWM, WDTNumber of I/O34Program Memory Size256KB (256K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size64K x 8Voltage - Supply (Vcc/Vdd)2.5 V ~ 3.6 VData ConvertersAid 1310bOperating Temperature440°C ~ 85°C (TA)Mounting Type44-VQFN Exposed Pad	Series	PIC? XLP? 32MX	
Speed72MHzConnectivityI2C, IrDA, LIN, PMP, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, HLVD, I2S, POR, PWM, WDTNumber of I/O34Program Memory Size256KB (256K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size64K x 8Voltage - Supply (Vcc/Vdd)2.5 V ~ 3.6 VData ConvertersA/D 13x10bOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case44-VQFN Exposed Pad	Core Processor	MIPS32? M4K?	
ConnectivityI2C, IrDA, LIN, PMP, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, HLVD, I2S, POR, PWM, WDTNumber of I/O34Program Memory Size256KB (256K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size64K x 8Voltage - Supply (Vcc/Vdd)2.5 V ~ 3.6 VData ConvertersA/D 13x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type44-VQFN Exposed Pad	Core Size	32-Bit	
PeripheralsBrown-out Detect/Reset, DMA, HLVD, I2S, POR, PWM, WDTNumber of I/O34Program Memory Size256KB (256K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size64K x 8Voltage - Supply (Vcc/Vdd)2.5 V ~ 3.6 VData ConvertersA/D 13x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case44-VQFN Exposed Pad	Speed	72MHz	
Number of I/O 34 Program Memory Size 256KB (256K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 64K x 8 Voltage - Supply (Vcc/Vdd) 2.5 V ~ 3.6 V Data Converters A/D 13x10b Oscillator Type -40°C ~ 85°C (TA) Poprating Temperature -40°C ~ 85°C (TA) Pockage / Case 44-VQFN Exposed Pad	Connectivity	I2C, IrDA, LIN, PMP, SPI, UART/USART	
Program Memory Size256KB (256K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size64K x 8Voltage - Supply (Vcc/Vdd)2.5 V ~ 3.6 VData ConvertersA/D 13x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case44-VQFN Exposed Pad	Peripherals	Brown-out Detect/Reset, DMA, HLVD, I2S, POR, PWM, WDT	
Program Memory TypeFLASHEEPROM Size-RAM Size64K x 8Voltage - Supply (Vcc/Vdd)2.5 V ~ 3.6 VData ConvertersA/D 13x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case44-VQFN Exposed Pad	Number of I/O	34	
EEPROM Size-RAM Size64K x 8Voltage - Supply (Vcc/Vdd)2.5 V ~ 3.6 VData ConvertersA/D 13x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case44-VQFN Exposed Pad	Program Memory Size	256KB (256K x 8)	
RAM Size64K x 8Voltage - Supply (Vcc/Vdd)2.5 V ~ 3.6 VData ConvertersA/D 13x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case44-VQFN Exposed Pad	Program Memory Type	FLASH	
Voltage - Supply (Vcc/Vdd)2.5 V ~ 3.6 VData ConvertersA/D 13x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case44-VQFN Exposed Pad	EEPROM Size	-	
Data ConvertersA/D 13x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case44-VQFN Exposed Pad	RAM Size	64K x 8	
Oscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case44-VQFN Exposed Pad	Voltage - Supply (Vcc/Vdd)	2.5 V ~ 3.6 V	
Operating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case44-VQFN Exposed Pad	Data Converters	A/D 13x10b	
Mounting Type - Package / Case 44-VQFN Exposed Pad	Oscillator Type	Internal	
Package / Case 44-VQFN Exposed Pad	Operating Temperature	-40°C ~ 85°C (TA)	
	Mounting Type	-	
	Package / Case	44-VQFN Exposed Pad	
Supplier Device Package 44-QFN (8x8)	Supplier Device Package	44-QFN (8x8)	
Report errors?			Report errors?

PIC32MX174F256D-I/ML 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.

PIC32MX174F256D-I/ML Payment Methods



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