

# PIC32MX370F512LT-I/TL

### PIC32MX370F512LT-I/TL Information



Part Number	PIC32MX370F512LT-I/TL	
Manufacturer	Microchip Technology	
Category	Integrated Circuits (ICs) Embedded - Microcontrollers	
Description	IC MCU 32BIT 512KB FLASH 124VTLA	
Package	124-VFTLA Dual Row 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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# PIC32MX370F512LT-I/TL Specifications

Manufacturer Microchin Technology   Manufacturer Microchin Technology   Catego Integrated Circuits (ICs)   Embedded - Microcontrollers Embedded - Microcontrollers   Package 124-VFTLA Dual Row Exposed Pad   Series PIC? 32MX   Core Processor MIPS32? M4K?   Core Size 32-Bit   Speed 80MHz   Connectivity I2C, IrDA, LIN, PMP, SPI, UART/USART   Connectivity Speed   Program Memory Size Speed   Program Memory Size Speed   Program Memory Type FLASH   EEPROM Size -   Converters A/D 28x 10b   Data Converters A/D 28x 10b   Data Converters A/D 28x 10b   Derating Temperature -40°C ~ 85°C (TA)   Operating Temperature -40°C ~ 85°C (TA)   Package / Case 124-VFTLA Dual Row Exposed Pad   Supplier Device Package 124-VFTLA Dual Row Exposed Pad		
Category Integrated Circuits (Cs)   Embedded - Microcontrollers   Package 124-VFTLA Dual Row Exposed Pad   Package PIC? 32MX   Core Processor MIPS32? M4K?   Core Size 32-Bit   Speed 80MHz   Connectivity I2C, IrDA, LIN, PMP, SPI, UART/USART   Peripherals Brown-out Detect/Reset, DMA, POR, PWM, WDT   Parogram Memory Size 512KB (512K x 8)   Program Memory Type FLASH   Steperod Size -   AM Size 128K x 8   Voltage - Supply (Vcc/Vdd) 2.3 V ~ 3.6 V   Data Converters A/D 28x10b   Dereting Temperature -40°C ~ 85°C (TA)   Advort age / Case 124-VFTLA Dual Row Exposed Pad   Supplier Device Package 124-VFTLA Dual Row Exposed Pad	Manufacturer Part Number	PIC32MX370F512LT-I/TL
Embedded - MicrocontrollersPackage124-VFTLA Dual Row Exposed PadSeriesPIC? 32MXCore ProcessorMIPS32? M4K?Core Size32-BitSpeed80MHzConectivity12C, IrDA, LIN, PMP, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, POR, PWM, WDTNumber of I/O85Program Memory Size512KB (512K x 8)Program Memory TypeFLASHEEPROM Size-Voltage - Supply (Vcc/Vdd)2.3 V ~ 3.6 VData ConvertersA/D 28x10bDerating Temperature-40°C ~ 85°C (TA)Operating Temperature124-VFTLA Dual Row Exposed PadSupplier Device Package124-VTLA (9x9)	Manufacturer	Microchip Technology
Package124-VFTLA Dual Row Exposed PadSeriesPIC? 32MXCore ProcessorMIPS32? M4K?Core Size32-BitSpeed80MHzConnetivityIC IrDA, LIN, PMP, SPI, UART/USARTPeripheralsBrown-out Detec/Reset, DMA, POR, PWM, WDTProgram Memory Size512KB (512K x 8)Program Memory TypeFLASHConverters128K x 8Voltage - Supply (Vcc/Vdd)2.3 V ~ 3.6 VDetation TypeInternalDetation Type-Operating Temperature-40°C ~ 85°C (TA)Package / Case124-VFTLA Dual Row Exposed PadSupplier Device Package124-VTLA (9x9)	Category	Integrated Circuits (ICs)
SeriesPIC? 32MXCore ProcessorMIPS32? M4K?Core Size32-BitSpeed80MHzConnectivityI2C, IrDA, LIN, PMP, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, POR, PWM, WDTNumber of I/O85Program Memory Size512KB (512K x 8)Program Memory TypeFLASHEEPROM Size-AM Size128K x 8Voltage - Supply (Vcc/Vdd)2.3 V ~ 3.6 VData ConvertersA/D 28x10bDocalidor TypeInternalOperating Temperature-40°C ~ 85°C (TA)Package / Case124-VFTLA Dual Row Exposed PadSupplier Device Package124-VTLA (9x9)		Embedded - Microcontrollers
Core ProcessorMIPS32? M4K?Core Size32-BitSpeed80MHzConnectivity12C, IrDA, LIN, PMP, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, POR, PWM, WDTNumber of I/O85Program Memory Size512KB (512K x 8)Program Memory TypeFLASHEEPROM Size-AM Size128K x 8Voltage - Supply (Vcc/Vdd)2.3 V ~ 3.6 VDerating Temperature-40°C ~ 85°C (TA)Operating Temperature24-VFTLA Dual Row Exposed PadSupplier Device Package124-VTLA (9x9)	Package	124-VFTLA Dual Row Exposed Pad
Core Size32-BitSpeed80MHzConnectivityI2C, IrDA, LIN, PMP, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, POR, PWM, WDTNumber of I/O85Program Memory Size512KB (512K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size128K x 8Voltage - Supply (Vcc/Vdd)2.3 V ~ 3.6 VData ConvertersA/D 28x10bDerating Temperature-40°C ~ 85°C (TA)Package / Case124-VFTLA Dual Row Exposed PadSupplier Device Package124-VTLA (9x9)	Series	PIC? 32MX
Speed80MHzConnectivityI2C, IrDA, LIN, PMP, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, POR, PWM, WDTNumber of I/O85Program Memory Size512KB (512K x 8)Program Memory TypeFLASHEEPROM Size-AM Size128K x 8Voltage - Supply (Vcc/Vdd)2.3 V ~ 3.6 VDetating Temperature-40°C ~ 85°C (TA)Operating Temperature-40°C ~ 85°C (TA)Package / Case124-VFTLA Dual Row Exposed PadSupplier Device Package124-VTLA (9x9)	Core Processor	MIPS32? M4K?
Connectivity I2C, IrDA, LIN, PMP, SPI, UART/USART   Peripherals Brown-out Detect/Reset, DMA, POR, PWM, WDT   Number of I/O 85   Program Memory Size 512KB (512K x 8)   Program Memory Type FLASH   EEPROM Size -   AM Size 128K x 8   Voltage - Supply (Vcc/Vdd) 2.3 V ~ 3.6 V   Data Converters A/D 28x10b   Dyscrift Type -40°C ~ 85°C (TA)   Peratuge / Case 124-VFTLA Dual Row Exposed Pad   Supplier Device Package 124-VTLA (9x9)	Core Size	32-Bit
PeripheralsBrown-out Detect/Reset, DMA, POR, PWM, WDTNumber of I/O85Program Memory Size512KB (512K x 8)Program Memory TypeFLASHPEPROM Size-RAM Size128K x 8Voltage - Supply (Vcc/Vdd)2.3 V ~ 3.6 VData ConvertersA/D 28x10bDocillator Type-uternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case124-VFTLA Dual Row Exposed PadSupplier Device Package124-VTLA (9x9)	Speed	80MHz
Number of I/O 85   Program Memory Size 512KB (512K x 8)   Program Memory Type FLASH   EEPROM Size -   RAM Size 128K x 8   Voltage - Supply (Vcc/Vdd) 2.3 V ~ 3.6 V   Data Converters A/D 28x10b   Dscillator Type -40°C ~ 85°C (TA)   Operating Temperature -40°C ~ 85°C (TA)   Package / Case 124-VFTLA Dual Row Exposed Pad   Supplier Device Package 124-VTLA (9x9)	Connectivity	I2C, IrDA, LIN, PMP, SPI, UART/USART
Program Memory Size512KB (512K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size128K x 8Voltage - Supply (Vcc/Vdd)2.3 V ~ 3.6 VData ConvertersA/D 28x10bDerating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case124-VFTLA Dual Row Exposed PadSupplier Device Package124-VTLA (9x9)	Peripherals	Brown-out Detect/Reset, DMA, POR, PWM, WDT
Program Memory TypeFLASHEEPROM Size-RAM Size128K x 8Voltage - Supply (Vcc/Vdd)2.3 V ~ 3.6 VData ConvertersA/D 28x10bDerating Temperature-Operating Temperature-40°C ~ 85°C (TA)Package / Case124-VFTLA Dual Row Exposed PadSupplier Device Package124-VTLA (9x9)	Number of I/O	85
EEPROM Size-RAM Size128K x 8Voltage - Supply (Vcc/Vdd)2.3 V ~ 3.6 VData ConvertersA/D 28x10bData ConvertersInternalOperating Temperature-40°C ~ 85°C (TA)Package / Case124-VFTLA Dual Row Exposed PadSupplier Device Package124-VTLA (9x9)	Program Memory Size	512KB (512K x 8)
RAM Size128K x 8Voltage - Supply (Vcc/Vdd)2.3 V ~ 3.6 VData ConvertersA/D 28x10bDecillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Package / Case124-VFTLA Dual Row Exposed PadSupplier Device Package124-VTLA (9x9)	Program Memory Type	FLASH
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Data ConvertersA/D 28x10bDscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case124-VFTLA Dual Row Exposed PadSupplier Device Package124-VTLA (9x9)	RAM Size	128K x 8
Dscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case124-VFTLA Dual Row Exposed PadSupplier Device Package124-VTLA (9x9)	Voltage - Supply (Vcc/Vdd)	2.3 V ~ 3.6 V
Operating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case124-VFTLA Dual Row Exposed PadSupplier Device Package124-VTLA (9x9)	Data Converters	A/D 28x10b
Mounting Type-Package / Case124-VFTLA Dual Row Exposed PadSupplier Device Package124-VTLA (9x9)	Oscillator Type	Internal
Package / Case124-VFTLA Dual Row Exposed PadSupplier Device Package124-VTLA (9x9)	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package 124-VTLA (9x9)	Mounting Type	-
	Package / Case	124-VFTLA Dual Row Exposed Pad
	Supplier Device Package	124-VTLA (9x9)
Report errors?		Report error

#### PIC32MX370F512LT-I/TL 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.

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#### PIC32MX370F512LT-I/TL Payment Methods



# PIC32MX370F512LT-I/TL Shipping Methods



If you have any question about PIC32MX370F512LT-I/TL, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com

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