

# PIC32MZ2048ECM124T-I/TL

#### PIC32MZ2048ECM124T-I/TL Information



Part Number	PIC32MZ2048ECM124T-I/TL
Manufacturer	Microchip Technology
Category	Integrated Circuits (ICs) Embedded - Microcontrollers
Description	IC MCU 32BIT 2MB 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



Request a Quote

For Reference Only

### **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.



## PIC32MZ2048ECM124T-I/TL Specifications

ManufacturerMicrochip TechnologyCategoryIntegrated Circuits (ICs)Embedded - MicrocontrollersPackage124-VFTLA Dual Row Exposed PadScriesPIC? 32MZCore ProcessorMIPS32? microAptiv?Core Size32-BitSpeed200MHzConnectivityCAN, EBV/EMI, Ethernet, I2C, SPI, SQI, UART/USART, USB OTGPreipheralsBrown-out Detect/Reset, DMA, I2S, POR, PWM, WDTNumber of I/O98Program Memory Size2.MB (2M x 8)EEPROM Size-RAM Size512K x 8Voltage - Supply (Vcc/Vdd)2.3 V ~ 3.6 VData ConvertersA/D 40x12bOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case124-VFTLA Dual Row Exposed PadSupplier Device Package124-VFLA (9x9)			
CategoryIntegrated Circuits (ICs)Embedded - MicrocontrollersPackage124-VFTLA Dual Row Exposed PadSeriesPIC? 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/O98Program 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 / Case124-VFTLA Dual Row Exposed PadSupplier Device Package124-VTLA (9x9)	Manufacturer Part Number	PIC32MZ2048ECM124T-I/TL	
IndecidedMicrocontrollersPackage124-VFTLA Dual Row Exposed PadSeriesPIC? 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/O98Program Memory Size2MB (2M x 8)Program Memory TypeFLASHEEPROM Size-Nuthsize512K x 8Voltage - Supply (Vcc/Vdd)2.3 V ~ 3.6 VData ConvertersA/D 40x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case124-VFTLA Dual Row Exposed PadSupplier Device Package124-VTLA (9x9)	Manufacturer	Microchip Technology	
Package124-VFTLA Dual Row Exposed PadSeriesPIC? 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/O98Program Memory Size2MB (2M x 8)Program Memory TypeFLASHEEPROM Size-AM Size512K x 8Voltage - Supply (Vcc/Vdd)2.3 V ~ 3.6 VData ConvertersA/D 40x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type124-VFTLA Dual Row Exposed PadSupplier Device Package124-VTLA (9x9)	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/O98Program 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 Type124-VFTLA Dual Row Exposed PadSupplier Device Package124-VTLA (9x9)		Embedded - Microcontrollers	
Core ProcessorMIPS32? microAptiv?Core Size32-BitSpeed200MHzConnectivityCAN, EBI/EMI, Ethernet, I2C, SPI, SQI, UART/USART, USB OTGPripheralsBrown-out Detect/Reset, DMA, I2S, POR, PWM, WDTNumber of I/O98Program Memory Size2MB (2M x 8)Program Memory TypeFLASHEEPROM Size-Nuftige - Supply (Vcc/Vdd)2.3 V ~ 3.6 VOscillator TypeInternalOperating Temperature-Operating Temperature-Prokage / Case124-VFTLA Dual Row Exposed PadSupplier Device Package124-VTLA (9x9)	Package	124-VFTLA Dual Row Exposed Pad	
Core Size32-BitSpeed200MHzConnectivityCAN, EBI/EMI, Ethernet, I2C, SPI, SQI, UART/USART, USB OTGPeripheralsBrown-out Detect/Reset, DMA, I2S, POR, PWM, WDTNumber of I/O98Program 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 / Case124-VFTLA Dual Row Exposed PadSupplier Device Package124-VTLA (9x9)	Series	PIC? 32MZ	
Speed200MHzConnectivityCAN, EBI/EMI, Ethernet, I2C, SPI, SQI, UART/USART, USB OTGPeripheralsBrown-out Detect/Reset, DMA, I2S, POR, PWM, WDTNumber of I/O98Program 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 Type124-VFTLA Dual Row Exposed PadSupplier Device Package124-VTLA (9x9)	Core Processor	MIPS32? microAptiv?	
ConnectivityCAN, EBI/EMI, Ethernet, I2C, SPI, SQI, UART/USART, USB OTGPeripheralsBrown-out Detect/Reset, DMA, I2S, POR, PWM, WDTNumber of I/O98Program Memory Size2MB (2M x 8)Program Memory TypeFLASHEEPROM Size-RAM Size512K x 8Voltage - Supply (Vcc/Vdd)2.3 V ~ 3.6 VData ConvertersA/D 40x12bOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case124-VFTLA Dual Row Exposed PadSupplier Device Package124-VTLA (9x9)	Core Size	32-Bit	
PeripheralsBrown-out Detect/Reset, DMA, I2S, POR, PWM, WDTNumber of I/O98Program 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 / Case124-VFTLA Dual Row Exposed PadSupplier Device Package124-VTLA (9x9)	Speed	200MHz	
Number of I/O98Program 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 / Case124-VFTLA Dual Row Exposed PadSupplier Device Package124-VTLA (9x9)	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-40°C ~ 85°C (TA)Mounting Type-Package / Case124-VFTLA Dual Row Exposed PadSupplier Device Package124-VTLA (9x9)	Peripherals	Brown-out Detect/Reset, DMA, I2S, POR, PWM, WDT	
Program Memory TypeFLASHEEPROM Size-RAM Size512K x 8Voltage - Supply (Vcc/Vd)2.3 V ~ 3.6 VData ConvertersA/D 40x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case124-VFTLA Dual Row Exposed PadSupplier Device Package124-VTLA (9x9)	Number of I/O	98	
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 / Case124-VFTLA Dual Row Exposed PadSupplier Device Package124-VTLA (9x9)	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 / Case124-VFTLA Dual Row Exposed PadSupplier Device Package124-VTLA (9x9)	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 / Case124-VFTLA Dual Row Exposed PadSupplier Device Package124-VTLA (9x9)	EEPROM Size	-	
Data ConvertersA/D 40x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case124-VFTLA Dual Row Exposed PadSupplier Device Package124-VTLA (9x9)	RAM Size	512K x 8	
Oscillator 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 40x12b	
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 Package124-VTLA (9x9)	Mounting Type	-	
	Package / Case	124-VFTLA Dual Row Exposed Pad	
Report errors <sup>6</sup>	Supplier Device Package	124-VTLA (9x9)	
			Report errors?

### PIC32MZ2048ECM124T-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.



If you have any question about PIC32MZ2048ECM124T-I/TL, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com