



PIC18LF25J50-I/ML Information



For Reference Only

Part Number PIC18LF25J50-I/ML

Manufacturer Microchip Technology

Category Integrated Circuits (ICs)
Embedded - Microcontrollers

Description IC MCU 8BIT 32KB FLASH 28QFN

Package 28-VQFN 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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PIC18LF25J50-I/ML Specifications

Manufacturer Part Number Manufacturer Microchip Technology Integrated Circuits (ICs) Embedded - Microcontrollers Package 28-VQFN Exposed Pad Series PIC? XLP? 18J Core Processor PIC Core Size 8-Bit Speed 48MHz Connectivity 12C, SPI, UART/USART, USB Peripherals Brown-out Detect/Reset, DMA, POR, PWM, WDT Number of I/O 16 Program Memory Size 32KB (16K x 16) Program Memory Type FLASH EEPROM Size RAM Size Voltage - Supply (Vcc/Vdd) Data Converters Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA)		
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Series PIC? XLP? 18J Core Processor PIC Core Size 8-Bit Speed 48MHz Connectivity I2C, SPI, UART/USART, USB Peripherals Brown-out Detect/Reset, DMA, POR, PWM, WDT Number of I/O 16 Program Memory Size 32KB (16K x 16) Program Memory Type FLASH EEPROM Size - RAM Size 3.8K x 8 Voltage - Supply (Vcc/Vdd) 2 V ~ 3.6 V Data Converters A/D 10x10b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA)		Embedded - Microcontrollers
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Core Size8-BitSpeed $48MHz$ Connectivity $12C$, SPI, UART/USART, USBPeripheralsBrown-out Detect/Reset, DMA, POR, PWM, WDTNumber of I/O 16 Program Memory Size $32KB$ ($16K \times 16$)Program Memory TypeFLASHEEPROM Size-RAM Size $3.8K \times 8$ Voltage - Supply (Vcc/Vdd) $2 \text{ V} \sim 3.6 \text{ V}$ Data ConvertersA/D $10x10b$ Oscillator TypeInternalOperating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ (TA)	Series	PIC? XLP? 18J
Speed 48MHz Connectivity 12C, SPI, UART/USART, USB Peripherals Brown-out Detect/Reset, DMA, POR, PWM, WDT Number of I/O 16 Program Memory Size 32KB (16K x 16) Program Memory Type FLASH EEPROM Size - RAM Size 3.8K x 8 Voltage - Supply (Vcc/Vdd) 2 V ~ 3.6 V Data Converters A/D 10x10b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA)	Core Processor	PIC
Connectivity I2C, SPI, UART/USART, USB Peripherals Brown-out Detect/Reset, DMA, POR, PWM, WDT Number of I/O 16 Program Memory Size 32KB (16K x 16) Program Memory Type FLASH EEPROM Size - RAM Size 3.8K x 8 Voltage - Supply (Vcc/Vdd) 2 V ~ 3.6 V Data Converters A/D 10x10b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA)	Core Size	8-Bit
Peripherals Brown-out Detect/Reset, DMA, POR, PWM, WDT Number of I/O 16 Program Memory Size 32KB (16K x 16) Program Memory Type FLASH EEPROM Size - RAM Size 3.8K x 8 Voltage - Supply (Vcc/Vdd) 2 V ~ 3.6 V Data Converters A/D 10x10b Oscillator Type Internal Operating Temperature Brown-out Detect/Reset, DMA, POR, PWM, WDT 16 2 V ~ 32KB (16K x 16) 7 LASH 8 LASH 1 LASH 1 LASH 1 LASH 2 V ~ 3.6 V 1 LASH 2 V ~ 3.6 V 2 V ~ 3.6 V 1 LASH 2 V ~ 3.6 V 2 V ~ 3.6 V 2 V ~ 3.6 V 3 LASH 4 LASH	Speed	48MHz
Number of I/O Program Memory Size 32KB (16K x 16) Program Memory Type FLASH EEPROM Size - RAM Size 3.8K x 8 Voltage - Supply (Vcc/Vdd) 2 V ~ 3.6 V Data Converters A/D 10x10b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA)	Connectivity	I2C, SPI, UART/USART, USB
Program Memory Size $32KB (16K \times 16)$ Program Memory TypeFLASHEEPROM Size-RAM Size $3.8K \times 8$ Voltage - Supply (Vcc/Vdd) $2 \text{ V} \sim 3.6 \text{ V}$ Data ConvertersA/D $10\times 10\text{b}$ Oscillator TypeInternalOperating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C} (TA)$	Peripherals	Brown-out Detect/Reset, DMA, POR, PWM, WDT
Program Memory TypeFLASHEEPROM Size-RAM Size $3.8 \text{K} \times 8$ Voltage - Supply (Vcc/Vdd) $2 \text{ V} \sim 3.6 \text{ V}$ Data ConvertersA/D $10 \times 10 \text{b}$ Oscillator TypeInternalOperating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ (TA)	Number of I/O	16
EEPROM Size - RAM Size 3.8K x 8 Voltage - Supply (Vcc/Vdd) 2 V ~ 3.6 V Data Converters A/D 10x10b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA)	Program Memory Size	32KB (16K x 16)
RAM Size $3.8K \times 8$ Voltage - Supply (Vcc/Vdd) $2 \text{ V} \sim 3.6 \text{ V}$ Data Converters $A/D 10x10b$ Oscillator Type $Internal$ Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C (TA)}$	Program Memory Type	FLASH
Voltage - Supply (Vcc/Vdd) $2 \text{ V} \sim 3.6 \text{ V}$ Data ConvertersA/D $10x10b$ Oscillator TypeInternalOperating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ (TA)	EEPROM Size	-
Data ConvertersA/D $10x10b$ Oscillator TypeInternalOperating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ (TA)	RAM Size	3.8K x 8
Oscillator Type Internal Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C} \text{ (TA)}$	Voltage - Supply (Vcc/Vdd)	2 V ~ 3.6 V
Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C} \text{ (TA)}$	Data Converters	A/D 10x10b
	Oscillator Type	Internal
M C T	Operating Temperature	$-40^{\circ}\text{C} \sim 85^{\circ}\text{C} \text{ (TA)}$
Mounting Type -	Mounting Type	-
Package / Case 28-VQFN Exposed Pad	Package / Case	28-VQFN Exposed Pad
Supplier Device Package 28-QFN (6x6)	Supplier Device Package	28-QFN (6x6)
Report errors		Report errors?

PIC18LF25J50-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.

PIC18LF25J50-I/ML Payment Methods



















PIC18LF25J50-I/ML Shipping Methods













If you have any question about PIC18LF25J50-I/ML, please do not hesitate to contact us!

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