

# PIC16F18324-I/SL

#### PIC16F18324-I/SL Information

theisener.com	 PIC16F18324-I/SL Microchip Technology Integrated Circuits (ICs) Embedded - Microcontrollers IC MCU 8BIT 7KB FLASH 14SOIC 14-SOIC (0.154", 3.90mm Width) For the pricing/inventory/lead time, please contact	
For Reference Only	us Website: https://www.heisener.com E-mail: salesdept@heisener.com	Request a Quote

## **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.



### PIC16F18324-I/SL Specifications

Manufacturer Microchip Technology   Manufacturer Microchip Technology   Category Integrated Circuits (ICs)   Embedded - Microcontrollers   Package 14-SOIC (0.154", 3.90mm Width)   Series PIC? XLP? 16F   Core Processor PIC   Core Size 8-Bit   Speed 32MHz   Connectivity I2C, LIN, SPI, UART/USART   Peripherals Brown-out Detect/Reset, POR, PWM, WDT   Number of I/O 12   Program Memory Size 7KB (4K x 14)   Program Memory Type FLASH   EEPROM Size 256 x 8   RAM Size 512 x 8   Voltage - Supply (Vcc/Vdd) 2.3 V ~ 5.5 V   Data Converters A/D 11x10b, D/A 1x5b   Oscillator Type Internal   Operating Temperature -40°C ~ 85°C (TA)   Mounting Type -   Package / Case 14-SOIC (0.154", 3.90mm Width)		
CategoryIntegrated Circuits (Cs)Embedded - MicrocontrollersPackage14-SOIC (0.154", 3.90mm Width)SeriesPIC? XLP? 16FCore ProcessorPICCore Size8-BitSpeed32MHzConnectivityI2C, LIN, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O12Program Memory Size7KB (4K x 14)Program Memory TypeFLASHEEPROM Size256 x 8RAM Size512 x 8Voltage - Supply (Vcc/Vdd)2.3 V ~ 5.5 VData ConvertersA/D 11x10b, D/A 1x5bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case14-SOIC (0.154", 3.90mm Width)	Manufacturer Part Number	PIC16F18324-I/SL
Imbedded - MicrocontrollersPackage14-SOIC (0.154", 3.90mm Width)SeriesPIC? XLP? 16FCore ProcessorPICCore Size8-BitSpeed32MHzConnectivityI2C, LIN, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O12Program Memory Size7KB (4K x 14)Program Memory TypeELASHEEPROM Size256 x 8Voltage - Supply (Vcc/Vdd)2.3 V ~ 5.5 VData ConvertersA/D 11x10b, D/A 1x5bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type14-SOIC (0.154", 3.90mm Width)	Manufacturer	Microchip Technology
Package14-SOIC (0.154", 3.90mm Width)SeriesPIC? XLP? 16FCore ProcessorPICCore Size8-BitSpeed32MHzConnectivityI2C, LIN, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O12Program Memory Size7KB (4K x 14)Program Memory TypeFLASHEEPROM Size256 x 8RAM Size512 x 8Voltage - Supply (Vcc/Vdd)2.3 V ~ 5.5 VData ConvertersA/D 11x10b, D/A 1x5bOscillator TypeInternalOperating Temperature-Package / Case14-SOIC (0.154", 3.90mm Width)Supplier Device Package14-SOIC	Category	Integrated Circuits (ICs)
SeriesPIC? XLP? 16FCore ProcessorPICCore Size8-BitSpeed32MHzConnectivityI2C, LIN, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O12Program Memory Size7KB (4K x 14)Program Memory TypeFLASHEEPROM Size256 x 8Voltage - Supply (Vcc/Vdd)2.3 V ~ 5.5 VData ConvertersA/D 11x10b, D/A 1x5bOscillator Type-Protaring Temperature-Prokage / Case14-SOIC (0.154", 3.90mm Width)Supplier Device Package14-SOIC		Embedded - Microcontrollers
Core ProcessorPICCore Size8-BitSpeed32MHzConnectivity12C, LIN, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O12Program Memory Size7KB (4K x 14)Program Memory TypeFLASHEEPROM Size256 x 8Voltage - Supply (Vcc/Vdd)2.3 V ~ 5.5 VData ConvertersAD 11x10b, D/A 1x5bOscillator Type-Portaning Temperature-Pokage / Case14-SOIC (0.154", 3.90mm Width)Supplier Device Package14-SOIC	Package	14-SOIC (0.154", 3.90mm Width)
Core Size8-BitSpeed32MHzConnectivityI2C, LIN, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O12Program Memory Size7KB (4K x 14)Program Memory TypeELASHEEPROM Size256 x 8RAM Size512 x 8Voltage - Supply (Vcc/Vdd).3 V ~ 5.5 VData ConvertersArb 11x10b, D/A 1x5bOscillator Type-Mounting Type-Package / Case14-SOIC (0.154", 3.90mm Width)Supplier Device Package14-SOIC	Series	PIC? XLP? 16F
Speed32MHzConnectivityI2C, LIN, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O12Program Memory Size7KB (4K x 14)Program Memory TypeFLASHEEPROM Size256 x 8Voltage - Supply (Vcc/Vdd)2.3 V ~ 5.5 VData ConvertersA/D 11x10b, D/A 1x5bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case14-SOIC (0.154", 3.90mm Width)	Core Processor	PIC
ConnectivityI2C, LIN, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O12Program Memory Size7KB (4K x 14)Program Memory TypeFLASHEEPROM Size256 x 8RAM Size512 x 8Voltage - Supply (Vcc/Vdd)2.3 V ~ 5.5 VData ConvertersA/D 11x10b, D/A 1x5bOscillator TypeInternalOperating Temperature-Mounting Type-Package / Case14-SOIC (0.154", 3.90mm Width)Supplier Device Package14-SOIC	Core Size	8-Bit
Peripherals Brown-out Detect/Reset, POR, PWM, WDT   Number of I/O 12   Program Memory Size 7KB (4K x 14)   Program Memory Type FLASH   EEPROM Size 256 x 8   RAM Size 512 x 8   Voltage - Supply (Vcc/Vd0) 2.3 V ~ 5.5 V   Data Converters A/D 11x10b, D/A 1x5b   Oscillator Type Internal   Operating Temperature -40°C ~ 85°C (TA)   Mounting Type -   Package / Case 14-SOIC (0.154", 3.90mm Width)	Speed	32MHz
Number of I/O 12   Program Memory Size 7KB (4K x 14)   Program Memory Type FLASH   EEPROM Size 256 x 8   RAM Size 512 x 8   Voltage - Supply (Vcc/Vdd) 2.3 V ~ 5.5 V   Data Converters A/D 11x10b, D/A 1x5b   Oscillator Type Internal   Operating Temperature -40°C ~ 85°C (TA)   Mounting Type -   Package / Case 14-SOIC (0.154", 3.90mm Width)	Connectivity	I2C, LIN, SPI, UART/USART
Program Memory Size7KB (4K x 14)Program Memory TypeFLASHEEPROM Size256 x 8RAM Size512 x 8Voltage - Supply (Vcc/Vdd)2.3 V ~ 5.5 VData ConvertersA/D 11x10b, D/A 1x5bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case14-SOIC (0.154", 3.90mm Width)	Peripherals	Brown-out Detect/Reset, POR, PWM, WDT
Program Memory TypeFLASHEEPROM Size256 x 8RAM Size512 x 8Voltage - Supply (Vcc/Vdd)2.3 V ~ 5.5 VData ConvertersA/D 11x10b, D/A 1x5bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case14-SOIC (0.154", 3.90mm Width)Supplier Device Package14-SOIC	Number of I/O	12
EEPROM Size256 x 8RAM Size512 x 8Voltage - Supply (Vcc/Vdd)2.3 V ~ 5.5 VData ConvertersA/D 11x10b, D/A 1x5bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case14-SOIC (0.154", 3.90mm Width)Supplier Device Package14-SOIC	Program Memory Size	7KB (4K x 14)
RAM Size512 x 8Voltage - Supply (Vcc/Vdd)2.3 V ~ 5.5 VData ConvertersA/D 11x10b, D/A 1x5bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case14-SOIC (0.154", 3.90mm Width)Supplier Device Package14-SOIC	Program Memory Type	FLASH
Voltage - Supply (Vcc/Vdd)2.3 V ~ 5.5 VData ConvertersA/D 11x10b, D/A 1x5bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case14-SOIC (0.154", 3.90mm Width)Supplier Device Package14-SOIC	EEPROM Size	256 x 8
Data ConvertersA/D 11x10b, D/A 1x5bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case14-SOIC (0.154", 3.90mm Width)Supplier Device Package14-SOIC	RAM Size	512 x 8
Oscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case14-SOIC (0.154", 3.90mm Width)Supplier Device Package14-SOIC	Voltage - Supply (Vcc/Vdd)	2.3 V ~ 5.5 V
Operating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case14-SOIC (0.154", 3.90mm Width)Supplier Device Package14-SOIC	Data Converters	A/D 11x10b, D/A 1x5b
Mounting Type-Package / Case14-SOIC (0.154", 3.90mm Width)Supplier Device Package14-SOIC	Oscillator Type	Internal
Package / Case14-SOIC (0.154", 3.90mm Width)Supplier Device Package14-SOIC	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package 14-SOIC	Mounting Type	-
	Package / Case	14-SOIC (0.154", 3.90mm Width)
Report errors	Supplier Device Package	14-SOIC
		Report error

#### PIC16F18324-I/SL 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 EUARANTEE

#### **Service Guarantees**

We guarantee 100% customer satisfaction. Our experienced sales team and tech support team back our services to satisfy all our customers.

#### PIC16F18324-I/SL Payment Methods



#### PIC16F18324-I/SL Shipping Methods



If you have any question about PIC16F18324-I/SL, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com