

# PIC16LF1938-I/SO

## PIC16LF1938-I/SO Information

Annunuum Annunuum Winn beisener.com	 PIC16LF1938-I/SO Microchip Technology Integrated Circuits (ICs) Embedded - Microcontrollers IC MCU 8BIT 28KB FLASH 28SOIC 28-SOIC (0.295", 7.50mm Width) For the pricing/inventory/lead time, please contact us	
For Reference Only	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.



# PIC16LF1938-I/SO Specifications

ManufacturerMicrochip TechnologyCategoryIntegrated Circuits (ICs)Embedded - MicrocontrollersPackage28-SOIC (0.295", 7.50mm Width)SeriesPIC? XLP? 16FCore ProcessorPICCore Size8-BitSpeed32MHzConnectivityIC, LIN, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, LCD, POR, PWM, WDTProgram Memory Size25Program Memory TypeFLASHEEPROM Size256 x 8RAM SizeIK x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 11x10bOperating Temperature40°C ~ 85°C (TA)Operating Temperature5-SOIC (0.295", 7.50mm Width)		
CategoryIntegrated Circuits (ICs)Embedded - MicrocontrollersPackage28-SOIC (0.295", 7.50mm Width)SeriesPIC? XLP? 16FCore ProcessorPICCore Size8-BitSpeed32MHzConnectivityI2C, LIN, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, LCD, POR, PWM, WDTNumber of I/O25Program Memory Size28KB (16K x 14)EEPROM Size256 x 8RAM SizeIK x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 11x10bOperating Temperature40°C ~ 85°C (TA)Operating Temperature28-SOIC (0.295", 7.50mm Width)Supplier Device Package28-SOIC (0.295", 7.50mm Width)	Manufacturer Part Number	PIC16LF1938-I/SO
Embedded - Microcontrollers   Package 28-SOIC (0.295", 7.50mm Width)   Series PIC? XLP? 16F   Core Processor PIC   Core Size 8-Bit   Speed 32MHz   Connectivity I2C, LIN, SPI, UART/USART   Peripherals Brown-out Detct/Reset, LCD, POR, PWM, WDT   Number of I/O 25   Program Memory Size 28KB (16K x 14)   Program Memory Type FLASH   EEPROM Size 256 x 8   RAM Size IK x 8   Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V   Data Converters A/D 11x10b   Derating Temperature -40°C ~ 85°C (TA)   Package / Case 28-SOIC (0.295", 7.50mm Width)	Manufacturer	Microchip Technology
Package28-SOIC (0.295", 7.50mm Width)SeriesPIC ? XLP? 16FCore StocePICCore Stoce8-BitSpeed32MHzConnetivity12C, LIN, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, LCD, POR, PWM, WDTProgram Memory Size24KB (16K x 14)Program Memory TypeFLASHEEPROM Size256 x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 11x10bDerating Temperature-40°C ~ 85°C (TA)Program Genze28-SOIC (0.295", 7.50mm Width)Supplier Device Package8-SOIC	Category	Integrated Circuits (ICs)
SeriesPIC? XLP? 16FCore ProcessorPICCore Size8-BitSpeed32MHzConnectivityICC, LIN, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, LCD, POR, PWM, WDTNumber of I/O25Program Memory Size8KB (16K x 14)Perporgam Memory TypeFLASHEEPROM Size256 x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersJOI 11/10bDoreiting Temperature40°C ~ 85°C (TA)Program Memory Type-Package / Case8-SOIC (0.295", 7.50mm Width)		Embedded - Microcontrollers
Core ProcessorPICCore Size8-BitSpeed32MHzConnectivity12C, LIN, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, LCD, POR, PWM, WDTNumber of I/O25Program Memory Size28KB (16K x 14)Program Memory TypeFLASHEEPROM Size256 x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 11x10bOperating Temperature-Package / Case28-SOIC (0.295", 7.50mm Width)Supplier Device Package28-SOIC	Package	28-SOIC (0.295", 7.50mm Width)
Core Size8-BitSpeed32MHzConnectivityI2C, LIN, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, LCD, POR, PWM, WDTNumber of I/O25Program Memory Size28KB (16K x 14)Program Memory TypeFLASHEEPROM Size256 x 8RAM Size1K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 11x10bOscillator Type-Preading Temperature40°C ~ 85°C (TA)Package / Case28-SOIC (0.295", 7.50mm Width)Supplier Device Package28-SOIC	Series	PIC? XLP? 16F
Speed32MHzConnectivityIC, LIN, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, LCD, POR, PWM, WDTNumber of I/O25Program Memory Size28KB (16K x 14)Program Memory TypeFLASHEEPROM Size256 x 8KAM Size1K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 11x10bOperating Temperature-40°C ~ 85°C (TA)Package / Case28-SOIC (0.295°, 7.50mm Width)Supplier Device Package28-SOIC	Core Processor	PIC
Connectivity I2C, LIN, SPI, UART/USART   Peripherals Brown-out Detect/Reset, LCD, POR, PWM, WDT   Number of I/O 25   Program Memory Size 28KB (16K x 14)   Program Memory Type FLASH   EEPROM Size 256 x 8   RAM Size 1K x 8   Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V   Data Converters A/D 11x10b   Operating Temperature -40°C ~ 85°C (TA)   Mounting Type -   Package / Case 28-SOIC (0.295", 7.50mm Width)	Core Size	8-Bit
PeripheralsBrown-out Detect/Reset, LCD, POR, PWM, WDTNumber of I/O25Program Memory Size28KB (16K x 14)Program Memory TypeFLASHEEPROM Size256 x 8RAM Size1K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 11x10bOperating Temperature-40°C ~ 85°C (TA)Package / Case28-SOIC (0.295", 7.50mm Width)Supplier Device Package28-SOIC	Speed	32MHz
Number of I/O 25   Program Memory Size 28KB (16K x 14)   Program Memory Type FLASH   EEPROM Size 256 x 8   RAM Size 1K x 8   Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V   Data Converters A/D 11x10b   Oscillator Type Internal   Operating Temperature -40°C ~ 85°C (TA)   Mounting Type -   Package / Case 28-SOIC (0.295", 7.50mm Width)	Connectivity	I2C, LIN, SPI, UART/USART
Program Memory Size28KB (16K x 14)Program Memory TypeFLASHEEPROM Size256 x 8RAM Size1K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 11x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case28-SOIC (0.295", 7.50mm Width)Supplier Device Package28-SOIC	Peripherals	Brown-out Detect/Reset, LCD, POR, PWM, WDT
Program Memory TypeFLASHEEPROM Size256 x 8RAM Size1K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 11x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case28-SOIC (0.295", 7.50mm Width)Supplier Device Package28-SOIC	Number of I/O	25
EEPROM Size256 x 8RAM Size1K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 11x10bData ConvertersInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case28-SOIC (0.295", 7.50mm Width)Supplier Device Package28-SOIC	Program Memory Size	28KB (16K x 14)
RAM SizeIK x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 11x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case28-SOIC (0.295", 7.50mm Width)Supplier Device Package28-SOIC	Program Memory Type	FLASH
Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 11x10bDoscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case28-SOIC (0.295", 7.50mm Width)Supplier Device Package28-SOIC	EEPROM Size	256 x 8
Data ConvertersA/D 11x10bDscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case28-SOIC (0.295", 7.50mm Width)Supplier Device Package28-SOIC	RAM Size	1K x 8
Oscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case28-SOIC (0.295", 7.50mm Width)Supplier Device Package28-SOIC	Voltage - Supply (Vcc/Vdd)	1.8 V ~ 3.6 V
Operating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case28-SOIC (0.295", 7.50mm Width)Supplier Device Package28-SOIC	Data Converters	A/D 11x10b
Mounting Type-Package / Case28-SOIC (0.295", 7.50mm Width)Supplier Device Package28-SOIC	Oscillator Type	Internal
Package / Case28-SOIC (0.295", 7.50mm Width)Supplier Device Package28-SOIC	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package 28-SOIC	Mounting Type	-
	Package / Case	28-SOIC (0.295", 7.50mm Width)
Report errors?	Supplier Device Package	28-SOIC
		Report errors'

#### PIC16LF1938-I/SO 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 BUARANTEE

#### **Service Guarantees**

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

# PIC16LF1938-I/SO Payment Methods



## PIC16LF1938-I/SO Shipping Methods



If you have any question about PIC16LF1938-I/SO, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com