

# PIC16LF1709-I/SS

a Quote

#### PIC16LF1709-I/SS Information

	and and the second	Part Number	PIC16LF1709-I/SS	
		Manufacturer	Microchip Technology	<b>131 54</b> 2
	www.helsener.com	Category	Integrated Circuits (ICs) Embedded - Microcontrollers	
	1500	Description	IC MCU 8BIT 14KB FLASH 20SSOP	
	riccie	Package	20-SSOP (0.209", 5.30mm Width)	
	de.		For the pricing/inventory/lead time, please contact us	
	For Reference Only		Website: https://www.heisener.com E-mail: salesdept@heisener.com	Request

## **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.



## PIC16LF1709-I/SS Specifications

Manufacturer Microchip Technology   Manufacturer Microchip Technology   Category Integrated Circuits (ICs)   Embedded - Microcontrollers 20-SSOP (0.209", 5.30mm Width)   Package 20-SSOP (0.209", 5.30mm Width)   Series PIC? XLP? 16F   Core Processor PIC   Core Size 8-Bit   Speed 32MHz   Connectivity 12C, LIN, SPI, UART/USART   Peripherals Brown-out Detect/Reset, POR, PWM, WDT   Number of I/O 18   Program Memory Size 14KB (8K x 14)   Program Memory Type FLASH   EEPROM Size -   RAM Size IK x 8   Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V   Data Converters A/D 12x10b, D/A 1x8b   Oscillator Type Internal   Operating Temperature -40°C ~ 85°C (TA)   Mounting Type -   Package / Case 20-SSOP (0.209", 5.30mm Width)		
CategoryIntegrated Circuits (ICs)Embedded - MicrocontrollersPackage20-SSOP (0.209", 5.30mm Width)SeriesPIC? XLP? 16FCore ProcessorPICCore Size8-BitSpeed32MHzConnectivityI2C, LIN, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O18Program Memory Size14KB (8K x 14)Program Memory TypeFLASHEEPROM Size-RAM SizeIK x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 12x10b, D/A 1x8bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case20-SSOP (0.209", 5.30mm Width)Supplier Device Package20-SSOP	Manufacturer Part Number	PIC16LF1709-I/SS
Indexted = MicrocontrollersPackage20-SSOP (0.209", 5.30mm Width)SeriesPIC? XLP? 16FCore ProcessorPICCore Size8-BitSpeed32MHzConnectivityI2C, LIN, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O18Program Memory Size14KB (8K x 14)Program Memory TypeFLASHEEPROM Size-RAM SizeIK x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 12x10b, D/A 1x8bOscillator TypeInternalOperating Temperature40°C ~ 85°C (TA)Package / Case20-SSOP (0.209", 5.30mm Width)	Manufacturer	Microchip Technology
Package20-SSOP (0.209", 5.30mm Width)SeriesPIC? XLP? 16FCore ProcessorPICCore Size8-BitSpeed32MHzConnectivityI2C, LIN, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O18Program Memory Size14KB (8K x 14)Program Memory TypeFLASHEEPROM Size-RAM Size1.8 V ~ 3.6 VVoltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 12x10b, D/A 1x8bOscillator TypeInternalOperating Temperature-Package / Case20-SSOP (0.209", 5.30mm Width)Supplier Device Package20-SSOP	Category	Integrated Circuits (ICs)
SeriesPIC? XLP? 16FCore ProcessorPICCore Size8-BitSpeed32MHzConnectivityI2C, LIN, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O18Program Memory Size14KB (8K x 14)Program Memory TypeFLASHEEPROM Size-RAM SizeIK x 8Voltag - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 12x10b, D/A 1x8bOscillator Type-Package / Case20-SSOP (0.209", 5.30mm Width)Supplier Device Package20-SSOP		Embedded - Microcontrollers
Core ProcessorPICCore Size8-BitSpeed32MHzConnectivityI2C, LIN, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O18Program Memory Size14KB (8K x 14)Program Memory TypeFLASHEEPROM Size-RAM Size1K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 12x10b, D/A 1x8bOperating Temperature-40°C ~ 85°C (TA)Mounting Type0.5SOP (0.209", 5.30mm Width)Supplier Device Package20-SSOP	Package	20-SSOP (0.209", 5.30mm Width)
Core Size8-BitSpeed32MHzConnectivityI2C, LIN, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O18Program Memory Size14KB (8K x 14)Program Memory TypeFLASHEEPROM Size-RAM Size18 V ~ 3.6 VVoltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 12x10b, D/A 1x8bOscillator Type-Program Grame-Package / Case0-SSOP (0.209", 5.30mm Width)Supplier Device Package20-SSOP	Series	PIC? XLP? 16F
Speed32MHzConnectivityI2C, LIN, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O18Program Memory Size14KB (8K x 14)Program Memory TypeFLASHEEPROM Size-RAM SizeIK x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 12x10b, D/A 1x8bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case20-SSOP (0.209", 5.30mm Width)	Core Processor	PIC
ConnectivityI2C, LIN, SPI, UART/USARTConnectivityI2C, LIN, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O18Program Memory Size14KB (8K x 14)Program Memory TypeFLASHEEPROM Size-RAM SizeIK x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 12x10b, D/A 1x8bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case20-SSOP (0.209", 5.30mm Width)Supplier Device Package20-SSOP	Core Size	8-Bit
PeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O18Program Memory Size14KB (8K x 14)Program Memory TypeFLASHEEPROM Size-RAM Size1K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 12x10b, D/A 1x8bOscillator Type-Operating Temperature-Package / Case20-SSOP (0.209", 5.30mm Width)Supplier Device Package20-SSOP	Speed	32MHz
Number of I/O 18   Program Memory Size 14KB (8K x 14)   Program Memory Type FLASH   EEPROM Size -   RAM Size 1K x 8   Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V   Data Converters A/D 12x10b, D/A 1x8b   Oscillator Type -   Mounting Type -40°C ~ 85°C (TA)   Package / Case 20-SSOP (0.209", 5.30mm Width)   Supplier Device Package 20-SSOP	Connectivity	I2C, LIN, SPI, UART/USART
Program Memory Size14KB (8K x 14)Program Memory TypeFLASHEEPROM Size-RAM Size1K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 12x10b, D/A 1x8bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case20-SSOP (0.209", 5.30mm Width)Supplier Device Package20-SSOP	Peripherals	Brown-out Detect/Reset, POR, PWM, WDT
Program Memory TypeFLASHEEPROM Size-RAM Size1K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 12x10b, D/A 1x8bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case20-SSOP (0.209", 5.30mm Width)Supplier Device Package20-SSOP	Number of I/O	18
EEPROM Size-RAM SizeIK x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 12x10b, D/A 1x8bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case20-SSOP (0.209", 5.30mm Width)Supplier Device Package20-SSOP	Program Memory Size	14KB (8K x 14)
RAM Size1K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 12x10b, D/A 1x8bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case20-SSOP (0.209", 5.30mm Width)Supplier Device Package20-SSOP	Program Memory Type	FLASH
Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 12x10b, D/A 1x8bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case20-SSOP (0.209", 5.30mm Width)Supplier Device Package20-SSOP	EEPROM Size	-
Data ConvertersA/D 12x10b, D/A 1x8bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case20-SSOP (0.209", 5.30mm Width)Supplier Device Package20-SSOP	RAM Size	1K x 8
Oscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case20-SSOP (0.209", 5.30mm Width)Supplier Device Package20-SSOP	Voltage - Supply (Vcc/Vdd)	1.8 V ~ 3.6 V
Operating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case20-SSOP (0.209", 5.30mm Width)Supplier Device Package20-SSOP	Data Converters	A/D 12x10b, D/A 1x8b
Mounting Type-Package / Case20-SSOP (0.209", 5.30mm Width)Supplier Device Package20-SSOP	Oscillator Type	Internal
Package / Case20-SSOP (0.209", 5.30mm Width)Supplier Device Package20-SSOP	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package 20-SSOP	Mounting Type	-
	Package / Case	20-SSOP (0.209", 5.30mm Width)
Report errors'	Supplier Device Package	20-SSOP
		Report errors?

#### PIC16LF1709-I/SS 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.

### PIC16LF1709-I/SS Payment Methods



## PIC16LF1709-I/SS Shipping Methods



If you have any question about PIC16LF1709-I/SS, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com