



PIC16LF18444-E/SS Information



For Reference Only

Part Number PIC16LF18444-E/SS

Manufacturer Microchip Technology

Category Integrated Circuits (ICs)
Embedded - Microcontrollers

Description COMPARATOR, DAC, 12-BIT ADCC **Package** 20-SSOP (0.209", 5.30mm Width)

For the pricing/inventory/lead time, please contact

us

Website: https://www.heisener.com E-mail: salesdept@heisener.com



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PIC16LF18444-E/SS Specifications

Manufacturer Microchip Technology Category Integrated Circuits (ICs) Embedded - Microcontrollers Package 20-SSOP (0.209", 5.30mm Width) Series PIC® XLPTM 16F Core Processor PIC Core Size 8-Bit Speed 32MHz Connectivity PC, LINbus, SPI, UART/USART Peripherals Brown-out Detect/Reset, POR, PWM, WDT Number of I/O 17 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) 1.8 V ~ 3.6 V Data Converters A/D 17x12b, D/A 1x5b Oscillator Type Internal Operating Temperature -40°C ~ 125°C (TA) Mounting Type Package / Case 20-SSOP (0.209", 5.30mm Width)		
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Embedded - MicrocontrollersPackage $20\text{-SSOP} (0.209", 5.30\text{mm Width})$ Series $PIC \otimes XLP^{TM} 16F$ Core Processor PIC Core Size 8-Bit Speed 32MHz Connectivity PC , LINbus, SPI, UART/USARTPeripherals PC , LINbus, SPI, UART/USARTNumber of PC PC Number of PC PC Program Memory Size PC PC PC PROGRAM Memory Type PC <	Manufacturer	Microchip Technology
Package $20\text{-SSOP }(0.209", 5.30\text{mm Width})$ Series $PIC \otimes XLP^{TM} 16F$ Core Processor PIC Core Size 8-Bit Speed 32MHz Connectivity PC , LINbus, SPI, UART/USARTPeripherals $Brown\text{-out Detect/Reset, POR, PWM, WDT}$ Number of I/O 17 Program Memory Size $7KB (4K x 14)$ Program Memory Type $FLASH$ $EEPROM Size$ 256×8 RAM Size 512×8 Voltage - Supply (Vcc/Vdd) $1.8 \text{ V} \sim 3.6 \text{ V}$ Data Converters $A/D 17x12b$, $D/A 1x5b$ Oscillator TypeInternalOperating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C} (TA)$ Mounting Type-Package / Case $20\text{-SSOP} (0.209", 5.30\text{mm Width})$	Category	Integrated Circuits (ICs)
Series PIC® XLP™ 16F Core Processor PIC Core Size 8-Bit Speed 32MHz Connectivity PC, LINbus, SPI, UART/USART Peripherals Brown-out Detect/Reset, POR, PWM, WDT Number of I/O 17 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) 1.8 V ~ 3.6 V Data Converters A/D 17x12b, D/A 1x5b Oscillator Type Internal Operating Temperature -40°C ~ 125°C (TA) Mounting Type - Package / Case 20-SSOP (0.209", 5.30mm Width)		Embedded - Microcontrollers
Core Processor PIC Core Size 8-Bit Speed 32MHz Connectivity PC, LINbus, SPI, UART/USART Peripherals Brown-out Detect/Reset, POR, PWM, WDT Number of I/O 17 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) 1.8 V ~ 3.6 V Data Converters A/D 17x12b, D/A 1x5b Oscillator Type Internal Operating Temperature -40°C ~ 125°C (TA) Mounting Type - Package / Case 20-SSOP (0.209", 5.30mm Width)	Package	20-SSOP (0.209", 5.30mm Width)
Core Size8-BitSpeed $32MHz$ ConnectivityPC, LINbus, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O 17 Program Memory Size $7KB$ ($4K \times 14$)Program Memory TypeFLASHEEPROM Size 256×8 RAM Size 512×8 Voltage - Supply (Vcc/Vdd) $1.8 \text{ V} \sim 3.6 \text{ V}$ Data Converters $A/D 17x12b$, $D/A 1x5b$ Oscillator TypeInternalOperating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ (TA)Mounting Type-Package / Case 20-SSOP (0.209° , 5.30mm Width)	Series	PIC® XLPTM 16F
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Number of I/O 17 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) 1.8 V ~ 3.6 V Data Converters A/D 17x12b, D/A 1x5b Oscillator Type Internal Operating Temperature -40°C ~ 125°C (TA) Mounting Type - Package / Case 20-SSOP (0.209", 5.30mm Width)	Connectivity	I ² C, LINbus, SPI, UART/USART
Program Memory Size $7KB (4K \times 14)$ Program Memory Type $FLASH$ EEPROM Size 256×8 RAM Size 512×8 Voltage - Supply (Vcc/Vdd) $1.8 \times 3.6 \times 8$ Oscillator Type $A/D 17x12b, D/A 1x5b$ Oscillator Type $A/D 17x12b, D/A 1x5b$ Operating Temperature $A/D 17x12b, D/A 1x5b$ Mounting Type $A/D 17x12b, D/A 1x5b$ Package / Case $A/D 17x12b, D/A 1x5b$	Peripherals	Brown-out Detect/Reset, POR, PWM, WDT
Program Memory Type FLASH EEPROM Size 256 x 8 RAM Size 512 x 8 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V Data Converters A/D 17x12b, D/A 1x5b Oscillator Type Internal Operating Temperature -40°C ~ 125°C (TA) Mounting Type - Package / Case 20-SSOP (0.209", 5.30mm Width)	Number of I/O	17
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Voltage - Supply (Vcc/Vdd) $1.8 \text{ V} \sim 3.6 \text{ V}$ Data ConvertersA/D $17x12b$, D/A $1x5b$ Oscillator TypeInternalOperating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ (TA)Mounting Type-Package / Case 20-SSOP (0.209", 5.30mm Width)	EEPROM Size	256 x 8
Data Converters A/D $17x12b$, D/A $1x5b$ Oscillator Type Internal Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ (TA) Mounting Type $-$ Package / Case 20-SSOP (0.209", 5.30mm Width)	RAM Size	512 x 8
Oscillator Type Internal $ -40^{\circ}\text{C} \sim 125^{\circ}\text{C (TA)} $ Mounting Type $ - $ Package / Case $ 20\text{-SSOP } (0.209^{\circ}, 5.30 \text{mm Width)} $	Voltage - Supply (Vcc/Vdd)	1.8 V ~ 3.6 V
Operating Temperature -40°C ~ 125°C (TA) Mounting Type - Package / Case 20-SSOP (0.209", 5.30mm Width)	Data Converters	A/D 17x12b, D/A 1x5b
Mounting Type - Package / Case 20-SSOP (0.209", 5.30mm Width)	Oscillator Type	Internal
Package / Case 20-SSOP (0.209", 5.30mm Width)	Operating Temperature	-40°C ~ 125°C (TA)
	Mounting Type	-
Supplier Device Package 20-SSOP	Package / Case	20-SSOP (0.209", 5.30mm Width)
	Supplier Device Package	20-SSOP
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PIC16LF18444-E/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.

PIC16LF18444-E/SS Payment Methods



















PIC16LF18444-E/SS Shipping Methods













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