



PIC16F18445-I/SO Information



For Reference Only

Part Number PIC16F18445-I/SO

Manufacturer Microchip Technology

Category Integrated Circuits (ICs)
Embedded - Microcontrollers

Description COMPARATOR, DAC, 12-BIT ADCC **Package** 20-SOIC (0.295", 7.50mm Width)

For the pricing/inventory/lead time, please contact

us

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



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PIC16F18445-I/SO Specifications

Manufacturer Part Number PIC16F18445-I/SO Manufacturer Microchip Technology Category Integrated Circuits (ICs) Embedded - Microcontrollers Package 20-SOIC (0.295", 7.50mm Width) Series PIC® XLP™ 16F Core Processor PIC Core Size 8-Bit Speed 32MHz Connectivity I°C, LINbus, SPI, UART/USART Peripherals Brown-out Detect/Reset, POR, PWM, WDT Number of I/O 17 Program Memory Size 14KB (8K x 14) Program Memory Type FLASH EEPROM Size 256 x 8 RAM Size 1K x 8 Voltage - Supply (Vcc/Vdd) 2.3 V ~ 5.5 V Data Converters A/D 17x12b, D/A 1x5b Oscillator Type A/D 17x12b, D/A 1x5b Oscillator Type - Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 20-SOIC (0.295", 7.50mm Width) Supplier Device Package 20-SOIC	•	
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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 14KB (8K x 14) Program Memory Type FLASH EEPROM Size 256 x 8 RAM Size 1K x 8 Voltage - Supply (Vcc/Vdd) 2.3 V ~ 5.5 V Data Converters A/D 17x12b, D/A 1x5b Oscillator Type External Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 20-SOIC (0.295", 7.50mm Width) Supplier Device Package 20-SOIC		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 14KB (8K x 14) Program Memory Type FLASH EEPROM Size 256 x 8 RAM Size 1K x 8 Voltage - Supply (Vcc/Vdd) 2.3 V ~ 5.5 V Data Converters A/D 17x12b, D/A 1x5b Oscillator Type External Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 20-SOIC (0.295", 7.50mm Width) Supplier Device Package 20-SOIC	Package	20-SOIC (0.295", 7.50mm Width)
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 14KB (8K x 14) Program Memory Type FLASH EEPROM Size 256 x 8 RAM Size 1K x 8 Voltage - Supply (Vcc/Vdd) 2.3 V ~ 5.5 V Data Converters A/D 17x12b, D/A 1x5b Oscillator Type External Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 20-SOIC (0.295", 7.50mm Width) Supplier Device Package 20-SOIC	Series	PIC® XLP TM 16F
Speed32MHzConnectivityPC, LINbus, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O17Program Memory Size14KB (8K x 14)Program Memory TypeFLASHEEPROM Size256 x 8RAM Size1K x 8Voltage - Supply (Vcc/Vdd)2.3 V ~ 5.5 VData ConvertersA/D 17x12b, D/A 1x5bOscillator TypeExternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case20-SOIC (0.295", 7.50mm Width)Supplier Device Package20-SOIC	Core Processor	PIC
Connectivity Peripherals Brown-out Detect/Reset, POR, PWM, WDT Number of I/O 17 Program Memory Size 14KB (8K x 14) Program Memory Type FLASH EEPROM Size 256 x 8 RAM Size 1K x 8 Voltage - Supply (Vcc/Vdd) 2.3 V ~ 5.5 V Data Converters A/D 17x12b, D/A 1x5b Oscillator Type External Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 20-SOIC (0.295", 7.50mm Width) Supplier Device Package 20-SOIC	Core Size	8-Bit
Peripherals Brown-out Detect/Reset, POR, PWM, WDT Number of I/O 17 Program Memory Size 14KB (8K x 14) Program Memory Type FLASH EEPROM Size 256 x 8 RAM Size 1K x 8 Voltage - Supply (Vcc/Vdd) 2.3 V ~ 5.5 V Data Converters A/D 17x12b, D/A 1x5b Oscillator Type External Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 20-SOIC (0.295", 7.50mm Width) Supplier Device Package	Speed	32MHz
Number of I/O Program Memory Size 14KB (8K x 14) Program Memory Type FLASH EEPROM Size 256 x 8 RAM Size 1K x 8 Voltage - Supply (Vcc/Vdd) 2.3 V ~ 5.5 V Data Converters A/D 17x12b, D/A 1x5b Oscillator Type External Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 20-SOIC (0.295", 7.50mm Width) Supplier Device Package	Connectivity	I ² C, LINbus, SPI, UART/USART
Program Memory Size 14KB (8K x 14) Program Memory Type FLASH EEPROM Size 256 x 8 RAM Size 1K x 8 Voltage - Supply (Vcc/Vdd) 2.3 V ~ 5.5 V Data Converters A/D 17x12b, D/A 1x5b Oscillator Type External Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 20-SOIC (0.295", 7.50mm Width) Supplier Device Package 20-SOIC	Peripherals	Brown-out Detect/Reset, POR, PWM, WDT
Program Memory Type FLASH EEPROM Size 256 x 8 RAM Size 1K x 8 Voltage - Supply (Vcc/Vdd) 2.3 V ~ 5.5 V Data Converters A/D 17x12b, D/A 1x5b Oscillator Type External Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 20-SOIC (0.295", 7.50mm Width) Supplier Device Package 20-SOIC	Number of I/O	17
EEPROM Size 256 x 8 RAM Size 1K x 8 Voltage - Supply (Vcc/Vdd) 2.3 V ~ 5.5 V Data Converters A/D 17x12b, D/A 1x5b Oscillator Type External Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 20-SOIC (0.295", 7.50mm Width) Supplier Device Package 20-SOIC	Program Memory Size	14KB (8K x 14)
RAM Size 1K x 8 Voltage - Supply (Vcc/Vdd) 2.3 V ~ 5.5 V Data Converters A/D 17x12b, D/A 1x5b Oscillator Type External Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 20-SOIC (0.295", 7.50mm Width) Supplier Device Package 20-SOIC	Program Memory Type	FLASH
Voltage - Supply (Vcc/Vdd)2.3 V ~ 5.5 VData ConvertersA/D 17x12b, D/A 1x5bOscillator TypeExternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case20-SOIC (0.295", 7.50mm Width)Supplier Device Package20-SOIC	EEPROM Size	256 x 8
Data Converters A/D 17x12b, D/A 1x5b Oscillator Type External Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 20-SOIC (0.295", 7.50mm Width) Supplier Device Package	RAM Size	1K x 8
Oscillator Type External Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 20-SOIC (0.295", 7.50mm Width) Supplier Device Package 20-SOIC	Voltage - Supply (Vcc/Vdd)	2.3 V ~ 5.5 V
Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 20-SOIC (0.295", 7.50mm Width) Supplier Device Package 20-SOIC	Data Converters	A/D 17x12b, D/A 1x5b
Mounting Type - Package / Case 20-SOIC (0.295", 7.50mm Width) Supplier Device Package 20-SOIC	Oscillator Type	External
Package / Case 20-SOIC (0.295", 7.50mm Width) Supplier Device Package 20-SOIC	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package 20-SOIC	Mounting Type	-
	Package / Case	20-SOIC (0.295", 7.50mm Width)
Report errors?	Supplier Device Package	20-SOIC
		Report errors?

PIC16F18445-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 Guarantees

We guarantee 100% customer satisfaction.

Our experienced sales team and tech support team back our services to satisfy all our customers.

PIC16F18445-I/SO Payment Methods



















PIC16F18445-I/SO Shipping Methods













If you have any question about PIC16F18445-I/SO, please do not hesitate to contact us!

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