



### PIC16F677-E/P Information



For Reference Only

Part Number PIC16F677-E/P

Manufacturer Microchip Technology

Category Integrated Circuits (ICs)
Embedded - Microcontrollers

**Description** IC MCU 8BIT 3.5KB FLASH 20DIP

**Package** 20-DIP (0.300", 7.62mm)

For the pricing/inventory/lead time, please contact

us

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



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# **Certified Quality**

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# PIC16F677-E/P Specifications

Manufacturer Part Number         PIC16F677-E/P           Manufacturer         Microchip Technology           Category         Integrated Circuits (ICs)           Package         20-DIP (0.300", 7.62mm)           Series         PIC? 16F           Core Processor         PIC           Core Size         8-Bit           Speed         20MHz           Connectivity         12C, SPI           Peripherals         Brown-out Detect/Reset, POR, WDT           Number of I/O         18           Program Memory Size         3.5KB (2K x 14)           Program Memory Type         FLASH           EEPROM Size         256 x 8           RAM Size         128 x 8           Voltage - Supply (Vcc/Vdd)         2 V ~ 5.5 V           Data Converters         A/D 12x10b           Oscillator Type         Internal           Operating Temperature         40°C ~ 125°C (TA)           Mounting Type         -           Package / Case         20-DIP (0.300", 7.62mm)           Supplier Device Package         20-PDIP	•	
Category         Integrated Circuits (ICs)           Embedded - Microcontrollers           Package         20-DIP (0.300", 7.62mm)           Series         PIC? 16F           Core Processor         PIC           Core Size         8-Bit           Speed         20MHz           Connectivity         I2C, SPI           Peripherals         Brown-out Detect/Reset, POR, WDT           Number of I/O         18           Program Memory Size         3.5KB (2K x 14)           Program Memory Type         FLASH           EEPROM Size         256 x 8           RAM Size         128 x 8           Voltage - Supply (Vcc/Vdd)         2 V ~ 5.5 V           Data Converters         A/D 12x10b           Oscillator Type         Internal           Operating Temperature         -40°C ~ 125°C (TA)           Mounting Type         -           Package / Case         20-DIP (0.300", 7.62mm)           Supplier Device Package         20-PDIP	Manufacturer Part Number	PIC16F677-E/P
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Connectivity I2C, SPI  Peripherals Brown-out Detect/Reset, POR, WDT  Number of I/O 18  Program Memory Size 3.5KB (2K x 14)  Program Memory Type FLASH  EEPROM Size 256 x 8  RAM Size 128 x 8  Voltage - Supply (Vcc/Vdd) 2 V ~ 5.5 V  Data Converters A/D 12x10b  Oscillator Type Internal  Operating Temperature -40°C ~ 125°C (TA)  Mounting Type  Package / Case 20-DIP (0.300", 7.62mm)  Supplier Device Package	Core Size	8-Bit
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EEPROM Size $256 \times 8$ RAM Size $128 \times 8$ Voltage - Supply (Vcc/Vdd) $2 \text{ V} \sim 5.5 \text{ V}$ Data ConvertersA/D $12 \times 10 \text{b}$ Oscillator TypeInternalOperating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ (TA)Mounting Type-Package / Case $20\text{-DIP}$ ( $0.300^{\circ}$ , $7.62 \text{mm}$ )Supplier Device Package $20\text{-PDIP}$	Program Memory Size	3.5KB (2K x 14)
RAM Size $128 \times 8$ Voltage - Supply (Vcc/Vdd) $2 \text{ V} \sim 5.5 \text{ V}$ Data ConvertersA/D $12 \times 10 \text{b}$ Oscillator TypeInternalOperating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ (TA)Mounting Type-Package / Case $20\text{-DIP}$ ( $0.300^{\circ}$ , $7.62 \text{mm}$ )Supplier Device Package $20\text{-PDIP}$	Program Memory Type	FLASH
Voltage - Supply (Vcc/Vdd) $2 \text{ V} \sim 5.5 \text{ V}$ Data ConvertersA/D $12x10b$ Oscillator TypeInternalOperating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ (TA)Mounting Type-Package / Case $20\text{-DIP}$ ( $0.300^{\circ}$ , $7.62\text{mm}$ )Supplier Device Package $20\text{-PDIP}$	EEPROM Size	256 x 8
Data Converters  A/D 12x10b  Oscillator Type  Internal  Operating Temperature  -40°C ~ 125°C (TA)  Mounting Type  - Package / Case  20-DIP (0.300", 7.62mm)  Supplier Device Package  20-PDIP	RAM Size	128 x 8
Oscillator Type Internal Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ (TA)  Mounting Type - Package / Case 20-DIP $(0.300^{\circ}, 7.62 \text{mm})$ Supplier Device Package 20-PDIP	Voltage - Supply (Vcc/Vdd)	2 V ~ 5.5 V
Operating Temperature -40°C ~ 125°C (TA)  Mounting Type - Package / Case 20-DIP (0.300", 7.62mm)  Supplier Device Package 20-PDIP	Data Converters	A/D 12x10b
Mounting Type - Package / Case 20-DIP (0.300", 7.62mm) Supplier Device Package 20-PDIP	Oscillator Type	Internal
Package / Case 20-DIP (0.300", 7.62mm) Supplier Device Package 20-PDIP	Operating Temperature	-40°C ~ 125°C (TA)
Supplier Device Package 20-PDIP	Mounting Type	-
	Package / Case	20-DIP (0.300", 7.62mm)
Report errors?	Supplier Device Package	20-PDIP
		Report errors?

### PIC16F677-E/P 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.

# PIC16F677-E/P Payment Methods



















### PIC16F677-E/P Shipping Methods













If you have any question about PIC16F677-E/P, please do not hesitate to contact us!

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