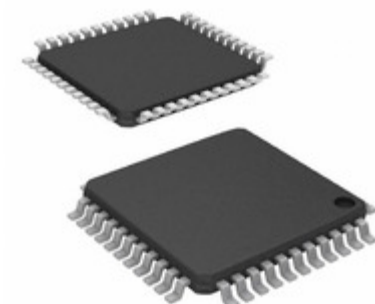


PIC16C77T-20E/PT



Images are for reference only.  
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Part Number: [PIC16C77T-20E/PT](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 8BIT 14KB OTP 44TQFP

Data sheet:  [PIC16C77 Rev. A Silicon Errata Sheet](#)  
 [PIC16C7x](#)  
 [Tips N Tricks Guide](#)  
 [SSP Module Errata](#)  
 [Timer1 Errata](#)  
 [MPLAB® ICE2000 Spec](#)

RoHs Status: Lead free / RoHS Compliant

Ship From: Hong Kong

Shipment Way: DHL/Fedex/TNT/UPS/EMS

Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                           |                                |                                                                                                                                                                                                                                      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | PIC16C77T-20E/PT                          | Manufacturer                   | <a href="#">Micrel / Microchip Technology</a>                                                                                                                                                                                        |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | IC MCU 8BIT 14KB OTP 44TQFP               | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                                                                                                                                                           |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 4147 pcs                                  | Data sheet                     | <a href="#">PIC16C77 Rev. A Silicon Errata Sheet</a><br><a href="#">PIC16C7x</a><br><a href="#">Tips N Tricks Guide</a><br><a href="#">SSP Module Errata</a><br><a href="#">Timer1 Errata</a><br><a href="#">MPLAB® ICE2000 Spec</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)     | 4 V ~ 6 V                                                                                                                                                                                                                            |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 44-TQFP (10x10)                           | Speed                          | 20MHz                                                                                                                                                                                                                                |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | PIC® 16C                                  | RAM Size                       | 368 x 8                                                                                                                                                                                                                              |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | OTP                                       | Program Memory Size            | 14KB (8K x 14)                                                                                                                                                                                                                       |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Brown-out Detect/Reset, POR, PWM, WDT     | Packaging                      | Tape & Reel (TR)                                                                                                                                                                                                                     |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 44-TQFP                                   | Oscillator Type                | External                                                                                                                                                                                                                             |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | -40°C ~ 125°C (TA)                        | Number of I/O                  | 33                                                                                                                                                                                                                                   |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 3 (168 Hours)                             | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                                                                                                                                                           |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -                                         | Detailed Description           | PIC PIC® 16C Microcontroller IC 8-Bit 20MHz 14KB (8K x 14) OTP 44-TQFP (10x10)                                                                                                                                                       |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | A/D 8x8b                                  | Core Size                      | 8-Bit                                                                                                                                                                                                                                |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | PIC                                       | Connectivity                   | I²C, SPI, UART/USART                                                                                                                                                                                                                 |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | PIC16C77                                  |                                |                                                                                                                                                                                                                                      |
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| RELATED PRODUCTS                                                                   |                                                                                      |                                                              |                |
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|  | Part#: <a href="#">PIC16C77T-20/L</a><br>Description: IC MCU 8BIT 14KB OTP 44PLCC    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16C781T-I/SS</a><br>Description: IC MCU 8BIT 1.75KB OTP 20SSOP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16C77T-10I/L</a><br>Description: IC MCU 8BIT 14KB OTP 44PLCC   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16C77T-10E/PT</a><br>Description: IC MCU 8BIT 14KB OTP 44TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16C781-I/SO</a><br>Description: IC MCU 8BIT 1.75KB OTP 20SOIC  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16C77T-20I/PT</a><br>Description: IC MCU 8BIT 14KB OTP 44TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16C77T-20/PT</a><br>Description: IC MCU 8BIT 14KB OTP 44TQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16C77T-20E/PQ</a><br>Description: IC MCU 8BIT 14KB OTP 44MQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16C781-I/P</a><br>Description: IC MCU 8BIT 1.75KB OTP 20DIP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16C77T-10I/PT</a><br>Description: IC MCU 8BIT 14KB OTP 44TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16C781-I/SS</a><br>Description: IC MCU 8BIT 1.75KB OTP 20SSOP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16C77T-10I/PQ</a><br>Description: IC MCU 8BIT 14KB OTP 44MQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16C781-JW</a><br>Description: IC MCU 8BIT 1.75KB EPROM 20CDIP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16C782-I/P</a><br>Description: IC MCU 8BIT 3.5KB OTP 20DIP     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16C77T-10E/PQ</a><br>Description: IC MCU 8BIT 14KB OTP 44MQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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