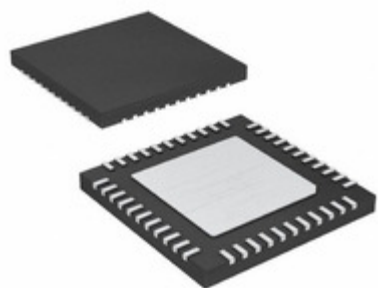


PIC16F777T-I/ML



Images are for reference only.  
See Product Specifications for product details.  
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Part Number: [PIC16F777T-I/ML](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 8BIT 14KB FLASH 44QFN

Data sheet:  [PIC16F7x7](#)  
 [PIC16F7x7 Revision A2 Errata](#)  
 [Tips N Tricks Guide](#)  
 [Timer1 Errata](#)  
 [PICmicro™ Reference Manual](#)  
 [MPLAB® ICE2000 Spec](#)

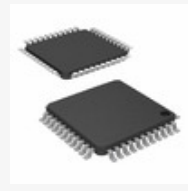
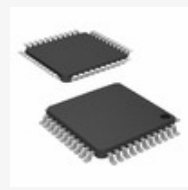
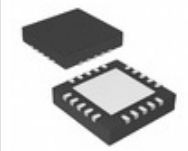
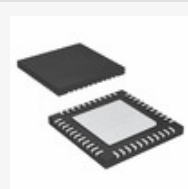
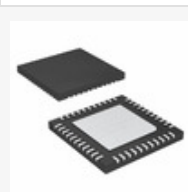
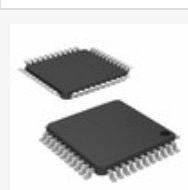
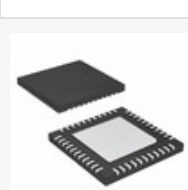
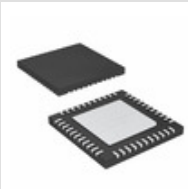
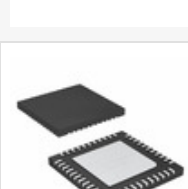
RoHs Status: Lead free / RoHS Compliant

Ship From: Hong Kong

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

Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                           |                                |                                                                                                                                                                                                                                        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | PIC16F777T-I/ML                           | Manufacturer                   | <a href="#">Micrel / Microchip Technology</a>                                                                                                                                                                                          |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | IC MCU 8BIT 14KB FLASH 44QFN              | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                                                                                                                                                             |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 4383 pcs                                  | Data sheet                     | <a href="#">PIC16F7x7</a><br><a href="#">PIC16F7x7 Revision A2 Errata</a><br><a href="#">Tips N Tricks Guide</a><br><a href="#">Timer1 Errata</a><br><a href="#">PICmicro™ Reference Manual</a><br><a href="#">MPLAB® ICE2000 Spec</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)     | 4 V ~ 5.5 V                                                                                                                                                                                                                            |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 44-QFN (8x8)                              | Speed                          | 20MHz                                                                                                                                                                                                                                  |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | PIC® 16F                                  | RAM Size                       | 368 x 8                                                                                                                                                                                                                                |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | FLASH                                     | Program Memory Size            | 14KB (8K x 14)                                                                                                                                                                                                                         |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Brown-out Detect/Reset, POR, PWM, WDT     | Packaging                      | Tape & Reel (TR)                                                                                                                                                                                                                       |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 44-VQFN Exposed Pad                       | Oscillator Type                | Internal                                                                                                                                                                                                                               |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | -40°C ~ 85°C (TA)                         | Number of I/O                  | 36                                                                                                                                                                                                                                     |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1 (Unlimited)                             | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                                                                                                                                                             |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | -                                         | Detailed Description           | PIC PIC® 16F Microcontroller IC 8-Bit 20MHz 14KB (8K x 14) FLASH 44-QFN (8x8)                                                                                                                                                          |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | A/D 14x10b                                | Core Size                      | 8-Bit                                                                                                                                                                                                                                  |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | PIC                                       | Connectivity                   | I²C, SPI, UART/USART                                                                                                                                                                                                                   |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | PIC16F777                                 |                                |                                                                                                                                                                                                                                        |
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| RELATED PRODUCTS                                                                   |                                                                                       |                                                              |                |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------|
|  | Part#: <a href="#">PIC16F777-E/P</a><br>Description: IC MCU 8BIT 14KB FLASH 40DIP     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F777T-I/PT</a><br>Description: IC MCU 8BIT 14KB FLASH 44TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F777T-I/PT</a><br>Description: IC MCU 8BIT 14KB FLASH 44TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F777-E/PT</a><br>Description: IC MCU 8BIT 14KB FLASH 44TQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F785-E/ML</a><br>Description: IC MCU 8BIT 3.5KB FLASH 20QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F777-I/L</a><br>Description: IC MCU 8BIT 14KB FLASH 44PLCC    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F777T-I/PTG</a><br>Description: IC MCU 8BIT 14KB FLASH 44TQFP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F777T-E/ML</a><br>Description: IC MCU 8BIT 14KB FLASH 44QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F785-E/P</a><br>Description: IC MCU 8BIT 3.5KB FLASH 20DIP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F777-E/ML</a><br>Description: IC MCU 8BIT 14KB FLASH 44QFN    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F777T-I/L</a><br>Description: IC MCU 8BIT 14KB FLASH 44PLCC   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F777T-E/PT</a><br>Description: IC MCU 8BIT 14KB FLASH 44TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F777T-I/PT</a><br>Description: IC MCU 8BIT 14KB FLASH 44TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F777-I/P</a><br>Description: IC MCU 8BIT 14KB FLASH 40DIP     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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