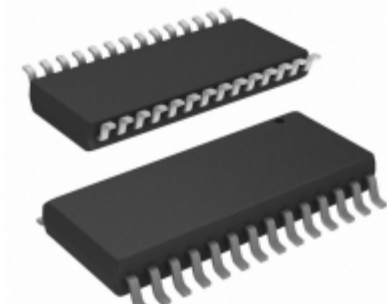


PIC16C745T-I/ISO



Images are for reference only.  
See Product Specifications for product details.  
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Part Number: [PIC16C745T-I/ISO](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 8BIT 14KB OTP 28SOIC

Data sheet:  [PIC16C745, 765](#)  
 [PIC16C745, 765 Rev. A2 Silicon Data Sheet](#)  
 [EipatN Tricks Guide](#)  
 [Timer1 Errata](#)  
 [PIC16C745, 765 Rev A1 Errata](#)  
 [MPLAB® ICE2000 Spec](#)

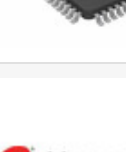
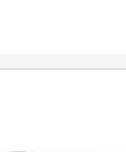
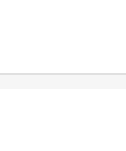
RoHs Status: Lead free / RoHS Compliant

Ship From: Hong Kong

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

Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                        |                                 |                                                                                                                                                                                                                                                                   |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | PIC16C745T-I/ISO                                                       | Manufacturer                    | <a href="#">Micrel / Microchip Technology</a>                                                                                                                                                                                                                     |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | IC MCU 8BIT 14KB OTP 28SOIC                                            | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant                                                                                                                                                                                                                                        |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 33243 pcs                                                              | Data sheet                      | <a href="#">PIC16C745, 765</a><br><a href="#">PIC16C745, 765 Rev. A2 Silicon Data Sheet Errata</a><br><a href="#">Tips N Tricks Guide</a><br><a href="#">Timer1 Errata</a><br><a href="#">PIC16C745, 765 Rev A1 Errata</a><br><a href="#">MPLAB® ICE2000 Spec</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <a href="#">Integrated Circuits (ICs)</a>                              | Voltage - Supply (Vcc/Vdd)      | 4.35 V ~ 5.25 V                                                                                                                                                                                                                                                   |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 28-SOIC                                                                | Speed                           | 24MHz                                                                                                                                                                                                                                                             |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | PIC® 16C                                                               | RAM Size                        | 256 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 28-SOIC (0.295", 7.50mm Width)                                         | Oscillator Type                 | External                                                                                                                                                                                                                                                          |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -40°C ~ 85°C (TA)                                                      | Number of I/O                   | 22                                                                                                                                                                                                                                                                |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1 (Unlimited)                                                          | Manufacturer Standard Lead Time | 17 Weeks                                                                                                                                                                                                                                                          |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Lead free / RoHS Compliant                                             | EEPROM Size                     | -                                                                                                                                                                                                                                                                 |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | PIC PIC® 16C Microcontroller IC 8-Bit 24MHz 14KB (8K x 14) OTP 28-SOIC | Data Converters                 | A/D 5x8b                                                                                                                                                                                                                                                          |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 8-Bit                                                                  | Core Processor                  | PIC                                                                                                                                                                                                                                                               |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | SCI, UART/USART, USB                                                   | Base Part Number                | PIC16C745                                                                                                                                                                                                                                                         |
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| RELATED PRODUCTS                                                                   |                                                                                     |                                                              |                |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------|
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|  | Part#: <a href="#">PIC16C73BT-20I/ML</a><br>Description: IC MCU 8BIT 7KB OTP 28QFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16C73BT-20E/SS</a><br>Description: IC MCU 8BIT 7KB OTP 28SSOP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16C73BT-20/SS</a><br>Description: IC MCU 8BIT 7KB OTP 28SSOP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16C74A-04E/PT</a><br>Description: IC MCU 8BIT 7KB OTP 44TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16C73BT-20I/SO</a><br>Description: IC MCU 8BIT 7KB OTP 28SOIC | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16C745-I/SO</a><br>Description: IC MCU 8BIT 14KB OTP 28SOIC   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16C74A-04E/L</a><br>Description: IC MCU 8BIT 7KB OTP 44PLCC   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16C74A-04I/P</a><br>Description: IC MCU 8BIT 7KB OTP 40DIP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16C745-I/SP</a><br>Description: IC MCU 8BIT 14KB OTP 28SDIP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16C74A-04E/P</a><br>Description: IC MCU 8BIT 7KB OTP 40DIP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16C73BT-20/SO</a><br>Description: IC MCU 8BIT 7KB OTP 28SOIC  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16C745/JW</a><br>Description: IC MCU 8BIT 14KB EPROM 28CDIP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16C73BT-20E/SO</a><br>Description: IC MCU 8BIT 7KB OTP 28SOIC | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16C74A-04/PT</a><br>Description: IC MCU 8BIT 7KB OTP 44TQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16C74A-04/P</a><br>Description: IC MCU 8BIT 7KB OTP 40DIP     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16C74A-04/PQ</a><br>Description: IC MCU 8BIT 7KB OTP 44MQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16C74A-04/L</a><br>Description: IC MCU 8BIT 7KB OTP 44PLCC    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">PIC16C74A-04E/PQ</a><br>Description: IC MCU 8BIT 7KB OTP 44MQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |

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