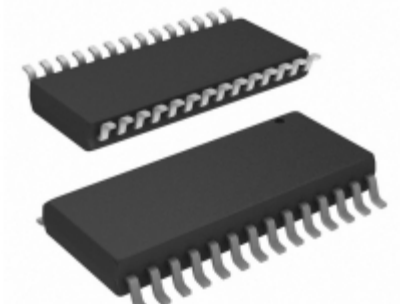


PIC16C642T-20I/SO





Part Number:

PIC16C642T-20I/SO

Manufacturer:

Micrel / Microchip Technology

Description:

IC MCU 8BIT 7KB OTP 28SOIC

Data sheet:

 [Tips N Tricks Guide](#)

 [PIC16C64x, PIC16C66x](#)

 [PIC16C642 Rev. A Silicon Errata Sheet](#)

 [MPLAB® ICE2000 Spec](#)

RoHs Status:

Lead free / RoHS Compliant

Ship From:

Hong Kong

Shipment Way:

DHL/Fedex/TNT/UPS/EMS

Images are for reference only.  
See Product Specifications for product details.  
Buy PIC16C642T-20I/SO with confidence from  
Component-World.HK, 1 Year Warranty

Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                           |                                |                                                                                                                                                                             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | PIC16C642T-20I/SO                         | Manufacturer                   | <a href="#">Micrel / Microchip Technology</a>                                                                                                                               |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | IC MCU 8BIT 7KB OTP 28SOIC                | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                                                                                                  |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 4230 pcs                                  | Data sheet                     | <a href="#">Tips N Tricks Guide</a><br><a href="#">PIC16C64x, PIC16C66x</a><br><a href="#">PIC16C642 Rev. A Silicon Errata Sheet</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                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 28-SOIC                                   | Speed                          | 20MHz                                                                                                                                                                       |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | PIC® 16C                                  | RAM Size                       | 176 x 8                                                                                                                                                                     |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | OTP                                       | Program Memory Size            | 7KB (4K x 14)                                                                                                                                                               |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Brown-out Detect/Reset, LED, POR, 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)                             | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                                                                                                  |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | -                                         | Detailed Description           | PIC PIC® 16C Microcontroller IC 8-Bit 20MHz 7KB (4K x 14) OTP 28-SOIC                                                                                                       |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | -                                         | Core Size                      | 8-Bit                                                                                                                                                                       |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | PIC                                       | Connectivity                   | -                                                                                                                                                                           |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | PIC16C642                                 |                                |                                                                                                                                                                             |
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| RELATED PRODUCTS                                                                   |                                                                                      |                                                              |                |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------|
|  | Part#: <a href="#">PIC16C64A-04I/L</a><br>Description: IC MCU 8BIT 3.5KB OTP 44PLCC  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16C642-20I/SP</a><br>Description: IC MCU 8BIT 7KB OTP 28SDIP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16C642T-20I/SO</a><br>Description: IC MCU 8BIT 7KB OTP 28SOIC  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16C64A-04E/L</a><br>Description: IC MCU 8BIT 3.5KB OTP 44PLCC  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16C64A-04I/P</a><br>Description: IC MCU 8BIT 3.5KB OTP 40DIP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16C64A-04E/PT</a><br>Description: IC MCU 8BIT 3.5KB OTP 44TQFP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16C642T-04E/SO</a><br>Description: IC MCU 8BIT 7KB OTP 28SOIC  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16C642T-10E/SO</a><br>Description: IC MCU 8BIT 7KB OTP 28SOIC  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16C64A-04E/P</a><br>Description: IC MCU 8BIT 3.5KB OTP 40DIP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">PIC16C642T-04I/SO</a><br>Description: IC MCU 8BIT 7KB OTP 28SOIC  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">PIC16C642/JW</a><br>Description: IC MCU 8BIT 7KB EPROM 28CDIP     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16C642T-20E/SO</a><br>Description: IC MCU 8BIT 7KB OTP 28SOIC  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16C64A-04/L</a><br>Description: IC MCU 8BIT 3.5KB OTP 44PLCC   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16C642T-10I/SO</a><br>Description: IC MCU 8BIT 7KB OTP 28SOIC  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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