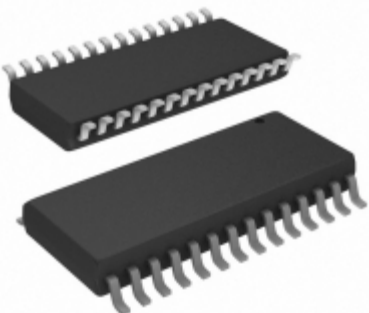


PIC16C642-20I/SO



Images are for reference only.  
See Product Specifications for product details.  
Buy PIC16C642-20I/SO with confidence from  
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Part Number: [PIC16C642-20I/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](#)

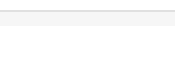
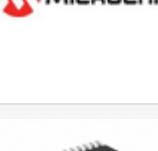
RoHs Status: Lead free / RoHS Compliant

Ship From: Hong Kong

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

Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                       |                                 |                                                                                                                                                                             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | PIC16C642-20I/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                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 20136 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                       | Tube                                                                                                                                                                        |
| 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 | 4 Weeks                                                                                                                                                                     |
| 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                                                                   |                                                                                     |                                                              |                |
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|  | Part#: <a href="#">PIC16C642-10I/SO</a><br>Description: IC MCU 8BIT 7KB OTP 28SOIC  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | 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> |
|  | Part#: <a href="#">PIC16C642-20E/SO</a><br>Description: IC MCU 8BIT 7KB OTP 28SOIC  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16C642-10E/SP</a><br>Description: IC MCU 8BIT 7KB OTP 28SDIP  | 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-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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|  | Part#: <a href="#">PIC16C642-10/SP</a><br>Description: IC MCU 8BIT 7KB OTP 28SDIP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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|  | 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> |
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