

PIC16F882-E/SS



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Part Number: [PIC16F882-E/SS](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 8BIT 3.5KB FLASH 28SSOP

Data sheet:  [PIC16F882-84/86-87](#)  
 [Next Generation Peripherals Brochure](#)  
 [Tips N Tricks Guide](#)  
 [PIC16F88x Errata](#)  
 [Timer1 Errata](#)  
 [PIC16F88x Programming Spec](#)

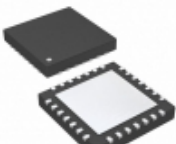
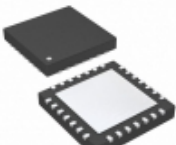
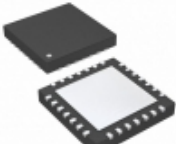
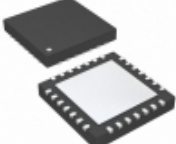
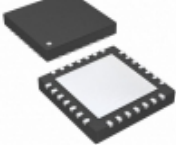
RoHs Status: Lead free / RoHS Compliant

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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                           |                                 |                                                                                                                                                                                                                                                      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | PIC16F882-E/SS                                                            | Manufacturer                    | <a href="#">Micrel / Microchip Technology</a>                                                                                                                                                                                                        |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | IC MCU 8BIT 3.5KB FLASH 28SSOP                                            | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant                                                                                                                                                                                                                           |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 55205 pcs                                                                 | Data sheet                      | <a href="#">PIC16F882-84/86-87</a><br><a href="#">Next Generation Peripherals Brochure</a><br><a href="#">Tips N Tricks Guide</a><br><a href="#">PIC16F88x Errata</a><br><a href="#">Timer1 Errata</a><br><a href="#">PIC16F88x Programming Spec</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <a href="#">Integrated Circuits (ICs)</a>                                 | Voltage - Supply (Vcc/Vdd)      | 2 V ~ 5.5 V                                                                                                                                                                                                                                          |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 28-SSOP                                                                   | Speed                           | 20MHz                                                                                                                                                                                                                                                |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | PIC® 16F                                                                  | RAM Size                        | 128 x 8                                                                                                                                                                                                                                              |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | FLASH                                                                     | Program Memory Size             | 3.5KB (2K x 14)                                                                                                                                                                                                                                      |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Brown-out Detect/Reset, POR, PWM, WDT                                     | Packaging                       | Tube                                                                                                                                                                                                                                                 |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 28-SSOP (0.209", 5.30mm Width)                                            | Oscillator Type                 | Internal                                                                                                                                                                                                                                             |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | -40°C ~ 125°C (TA)                                                        | Number of I/O                   | 24                                                                                                                                                                                                                                                   |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1 (Unlimited)                                                             | Manufacturer Standard Lead Time | 6 Weeks                                                                                                                                                                                                                                              |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Lead free / RoHS Compliant                                                | EEPROM Size                     | 128 x 8                                                                                                                                                                                                                                              |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | PIC PIC® 16F Microcontroller IC 8-Bit 20MHz 3.5KB (2K x 14) FLASH 28-SSOP | Data Converters                 | A/D 11x10b                                                                                                                                                                                                                                           |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 8-Bit                                                                     | Core Processor                  | PIC                                                                                                                                                                                                                                                  |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | I²C, SPI, UART/USART                                                      | Base Part Number                | PIC16F882                                                                                                                                                                                                                                            |
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| RELATED PRODUCTS                                                                   |                                                                                       |                                                              |                |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------|
|  | Part#: <a href="#">PIC16F882T-I/SS</a><br>Description: IC MCU 8BIT 3.5KB FLASH 28SSOP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F88-I/P</a><br>Description: IC MCU 8BIT 7KB FLASH 18DIP       | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F882-I/ML</a><br>Description: IC MCU 8BIT 3.5KB FLASH 28QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">PIC16F882-I/SS</a><br>Description: IC MCU 8BIT 3.5KB FLASH 28SSOP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F882-E/SO</a><br>Description: IC MCU 8BIT 3.5KB FLASH 28SOIC  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F882-E/SP</a><br>Description: IC MCU 8BIT 3.5KB FLASH 28SDIP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F883-E/SO</a><br>Description: IC MCU 8BIT 7KB FLASH 28SOIC    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F88-E/SS</a><br>Description: IC MCU 8BIT 7KB FLASH 20SSOP     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F883-E/SP</a><br>Description: IC MCU 8BIT 7KB FLASH 28SDIP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F882T-I/SO</a><br>Description: IC MCU 8BIT 3.5KB FLASH 28SOIC | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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