

PIC16F83T-10/SO



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Part Number: [PIC16F83T-10/SO](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 8BIT 896B FLASH 18SOIC

Data sheet:  [PIC16F83 Rev. A Silicon Errata Sheet](#)  
 [Tips N Tricks Guide](#)  
 [PIC16F8x](#)  
 [PICmicro™ Reference Manual](#)  
 [MPLAB® ICE2000 Spec](#)

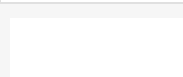
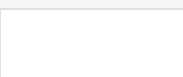
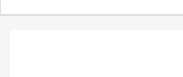
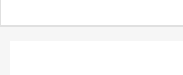
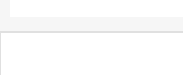
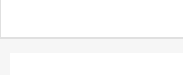
RoHs Status: Lead free / RoHS Compliant

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                           |                                |                                                                                                                                                                                                              |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | PIC16F83T-10/SO                           | Manufacturer                   | <a href="#">Micrel / Microchip Technology</a>                                                                                                                                                                |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | IC MCU 8BIT 896B FLASH 18SOIC             | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                                                                                                                                   |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 5977 pcs                                  | Data sheet                     | <a href="#">PIC16F83 Rev. A Silicon Errata Sheet</a><br><a href="#">Tips N Tricks Guide</a><br><a href="#">PIC16F8x</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 ~ 6 V                                                                                                                                                                                                    |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 18-SOIC                                   | Speed                          | 10MHz                                                                                                                                                                                                        |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | PIC® 16F                                  | RAM Size                       | 36 x 8                                                                                                                                                                                                       |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | FLASH                                     | Program Memory Size            | 896B (512 x 14)                                                                                                                                                                                              |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | POR, WDT                                  | Packaging                      | Tape & Reel (TR)                                                                                                                                                                                             |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 18-SOIC (0.295", 7.50mm Width)            | Oscillator Type                | External                                                                                                                                                                                                     |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 0°C ~ 70°C (TA)                           | Number of I/O                  | 13                                                                                                                                                                                                           |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1 (Unlimited)                             | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                                                                                                                                   |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 64 x 8                                    | Detailed Description           | PIC PIC® 16F Microcontroller IC 8-Bit 10MHz 896B (512 x 14) FLASH 18-SOIC                                                                                                                                    |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | -                                         | Core Size                      | 8-Bit                                                                                                                                                                                                        |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | PIC                                       | Connectivity                   | -                                                                                                                                                                                                            |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | PIC16F83                                  |                                |                                                                                                                                                                                                              |
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| RELATED PRODUCTS                                                                   |                                                                                          |                                                              |                |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------|
|  | Part#: <a href="#">PIC16F84-10/P</a><br>Description: IC MCU 8BIT 1.75KB FLASH 18DIP      | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">PIC16F819T-I/SOTS</a><br>Description: IC MCU 8BIT 3.5KB FLASH 18SOIC  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F83T-10/SO</a><br>Description: IC MCU 8BIT 896B FLASH 18SOIC     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F83T-04/SO</a><br>Description: IC MCU 8BIT 896B FLASH 18SOIC     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F819T-I/SO</a><br>Description: IC MCU 8BIT 3.5KB FLASH 18SOIC    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F819T-I/SS</a><br>Description: IC MCU 8BIT 3.5KB FLASH 20SSOP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">PIC16F84-04/P</a><br>Description: IC MCU 8BIT 1.75KB FLASH 18DIP      | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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