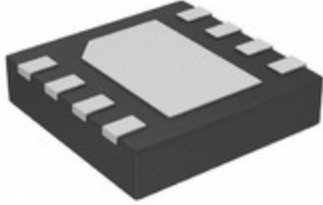


PIC12F1840T-I/RF





Part Number: [PIC12F1840T-I/RF](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 8BIT 7KB FLASH 8UDFN

Data sheet:  [PIC12\(L\)F1840](#)  
 [PIC12\(L\)F1840 Errata & Datasheet Clarification](#)

RoHs Status: Lead free / RoHS Compliant

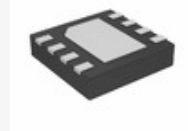
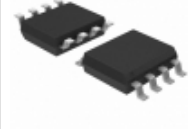
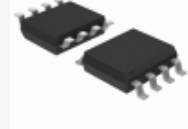
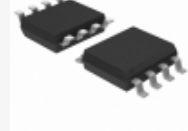
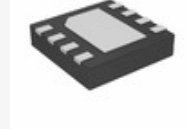
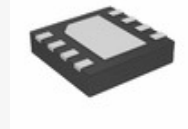
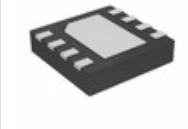
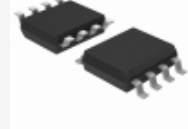
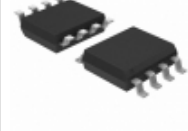
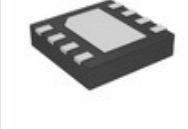
Ship From: Hong Kong

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

Images are for reference only.  
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                   |                                 |                                                                                                     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------|-----------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | PIC12F1840T-I/RF                                                                  | Manufacturer                    | <a href="#">Micrel / Microchip Technology</a>                                                       |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | IC MCU 8BIT 7KB FLASH 8UDFN                                                       | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant                                                                          |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 62812 pcs                                                                         | Data sheet                      | <a href="#">PIC12(L)F1840</a><br><a href="#">PIC12(L)F1840 Errata &amp; Datasheet Clarification</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <a href="#">Integrated Circuits (ICs)</a>                                         | Voltage - Supply (Vcc/Vdd)      | 2.3 V ~ 5.5 V                                                                                       |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 8-UDFN (3x3)                                                                      | Speed                           | 32MHz                                                                                               |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | PIC® XLP™ 12F                                                                     | RAM Size                        | 256 x 8                                                                                             |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | FLASH                                                                             | Program Memory Size             | 7KB (4K x 14)                                                                                       |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Brown-out Detect/Reset, POR, PWM, WDT                                             | Packaging                       | Tape & Reel (TR)                                                                                    |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 8-UDFN Exposed Pad                                                                | Oscillator Type                 | Internal                                                                                            |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -40°C ~ 85°C (TA)                                                                 | Number of I/O                   | 5                                                                                                   |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 3 (168 Hours)                                                                     | Manufacturer Standard Lead Time | 14 Weeks                                                                                            |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Lead free / RoHS Compliant                                                        | EEPROM Size                     | 256 x 8                                                                                             |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | PIC PIC® XLP™ 12F Microcontroller IC 8-Bit 32MHz 7KB (4K x 14) FLASH 8-UDFN (3x3) | Data Converters                 | A/D 4x10b, D/A 1x5b                                                                                 |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 8-Bit                                                                             | Core Processor                  | PIC                                                                                                 |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | I²C, LINbus, SPI, UART/USART                                                      | Base Part Number                | PIC12F1840                                                                                          |
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| RELATED PRODUCTS                                                                   |                                                                                       |                                                              |                |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------|
|  | Part#: <a href="#">PIC12F1840-I/P</a><br>Description: IC MCU 8BIT 7KB FLASH 8DIP      | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC12F508-I/P</a><br>Description: IC MCU 8BIT 768B FLASH 8DIP      | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC12F1840-E/P</a><br>Description: IC MCU 8BIT 7KB FLASH 8DIP      | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC12F1822T-I/RF</a><br>Description: IC MCU 8BIT 3.5KB FLASH 8UDFN | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC12F1840T-I/SN</a><br>Description: IC MCU 8BIT 7KB FLASH 8SOIC   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC12F1840-I/SN</a><br>Description: IC MCU 8BIT 7KB FLASH 8SOIC    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC12F508-I/MC</a><br>Description: IC MCU 8BIT 768B FLASH 8DFN     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC12F1822T-I/SN</a><br>Description: IC MCU 8BIT 3.5KB FLASH 8SOIC | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC12F508-E/MS</a><br>Description: IC MCU 8BIT 768B FLASH 8MSOP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC12F1822T-I/MF</a><br>Description: IC MCU 8BIT 3.5KB FLASH 8DFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC12F508-I/SN</a><br>Description: IC MCU 8BIT 768B FLASH 8SOIC    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC12F508-I/MS</a><br>Description: IC MCU 8BIT 768B FLASH 8MSOP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">PIC12F1840T-I/MF</a><br>Description: IC MCU 8BIT 7KB FLASH 8DFN    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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