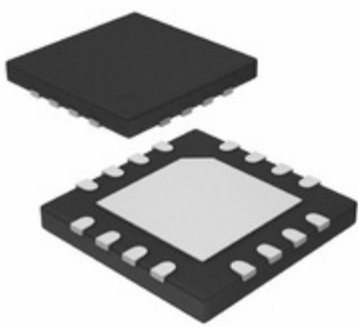


PIC16F1824-E/JQ



Images are for reference only.  
See Product Specifications for product details.  
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Part Number: [PIC16F1824-E/JQ](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 8BIT 7KB FLASH 16UQFN

Data sheet:  [PIC112F,PIC16F182X Overview](#)  
 [Next Generation Peripherals Brochure](#)  
 [PIC16\(L\)F1824,1828 Errata & Datasheet](#)  
 [PIC16F1824,28](#)  
 [PIC12F1822, PIC16F182x Brief](#)

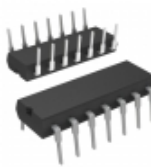
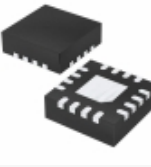
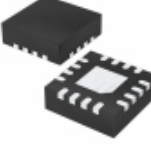
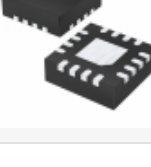
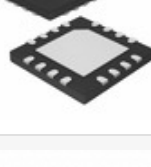
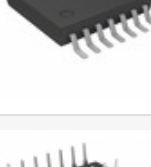
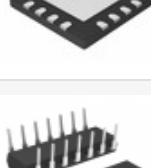
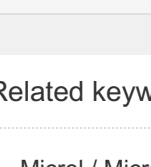
RoHs Status: Lead free / RoHS Compliant

Ship From: Hong Kong

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

Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                           |                                |                                                                                                                                                                                                                                                                   |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | PIC16F1824-E/JQ                           | Manufacturer                   | <a href="#">Micrel / Microchip Technology</a>                                                                                                                                                                                                                     |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | IC MCU 8BIT 7KB FLASH 16UQFN              | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                                                                                                                                                                                        |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 92181 pcs                                 | Data sheet                     | <a href="#">PIC112F,PIC16F182X Overview</a><br><a href="#">Next Generation Peripherals Brochure</a><br><a href="#">PIC16(L)F1824,1828 Errata &amp; Datasheet Clarificatio</a><br><a href="#">PIC16F(L)1824,28</a><br><a href="#">PIC12F1822, PIC16F182x Brief</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)     | 1.8 V ~ 5.5 V                                                                                                                                                                                                                                                     |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 16-UQFN (4x4)                             | Speed                          | 32MHz                                                                                                                                                                                                                                                             |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | PIC® XLP™ mTouch™ 16F                     | 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                      | Tube                                                                                                                                                                                                                                                              |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 16-UQFN Exposed Pad                       | Oscillator Type                | Internal                                                                                                                                                                                                                                                          |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | -40°C ~ 125°C (TA)                        | Number of I/O                  | 11                                                                                                                                                                                                                                                                |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 3 (168 Hours)                             | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                                                                                                                                                                                        |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 256 x 8                                   | Detailed Description           | PIC PIC® XLP™ mTouch™ 16F Microcontroller IC 8-Bit 32MHz 7KB (4K x 14) FLASH 16-UQFN (4x4)                                                                                                                                                                        |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | A/D 8x10b                                 | Core Size                      | 8-Bit                                                                                                                                                                                                                                                             |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | PIC                                       | Connectivity                   | İC, SPI, UART/USART                                                                                                                                                                                                                                               |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | PIC16F1824                                |                                |                                                                                                                                                                                                                                                                   |
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| RELATED PRODUCTS                                                                   |                                                                                         |                                                              |                |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------|
|  | Part#: <a href="#">PIC16F1824-E/P</a><br>Description: IC MCU 8BIT 7KB FLASH 14DIP       | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F1823T-I/ML</a><br>Description: IC MCU 8BIT 3.5KB FLASH 16QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F1823-I/ML</a><br>Description: IC MCU 8BIT 3.5KB FLASH 16QFN    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F1824-I/ST</a><br>Description: IC MCU 8BIT 7KB FLASH 14TSSOP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F1823T-I/ST</a><br>Description: IC MCU 8BIT 3.5KB FLASH 14TSSOP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F1824-I/ML</a><br>Description: IC MCU 8BIT 7KB FLASH 16QFN      | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F1823-I/JQ</a><br>Description: IC MCU 8BIT 3.5KB FLASH 16UQFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F1824-I/SL</a><br>Description: IC MCU 8BIT 7KB FLASH 14SOIC     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F1823-I/ST</a><br>Description: IC MCU 8BIT 3.5KB FLASH 14TSSOP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F1823-I/P</a><br>Description: IC MCU 8BIT 3.5KB FLASH 14DIP     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F1824-E/SL</a><br>Description: IC MCU 8BIT 7KB FLASH 14SOIC     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">PIC16F1823T-I/JQ</a><br>Description: IC MCU 8BIT 3.5KB FLASH 16UQFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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