



Micrel / Microchip Technology



Image may be representation. See specifications for product details.

PIC16F1828-I/SO

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | PIC16F1828-I/SO                                                                                              |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                |
| Product description | IC MCU 8BIT 7KB FLASH 20SOIC                                                                                 |
|                     | <a href="#">1.PIC16F1828-I/SO.pdf</a>                                                                        |
|                     | <a href="#">2.PIC16F1828-I/SO.pdf</a>                                                                        |
|                     | <a href="#">3.PIC16F1828-I/SO.pdf</a>                                                                        |
|                     | <a href="#">4.PIC16F1828-I/SO.pdf</a>                                                                        |
|                     | <a href="#">5.PIC16F1828-I/SO.pdf</a>                                                                        |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 67829 pcs stock                                                                                              |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

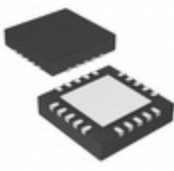
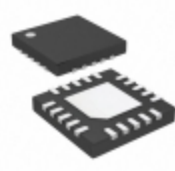
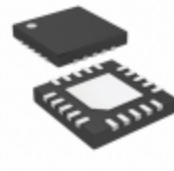
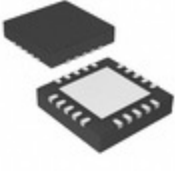
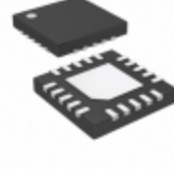
Specifications of PIC16F1828-I/SO

|                                  |                                                                                                                                                                                                           |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | PIC16F1828-I/SO                                                                                                                                                                                           |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                                                                                                             |
| DESCRIPTION                      | IC MCU 8BIT 7KB FLASH 20SOIC                                                                                                                                                                              |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                |
| QUANTITY AVAILABLE               | 67829 pcs                                                                                                                                                                                                 |
| DATA SHEET                       | <a href="#">1.PIC16F1828-I/SO.pdf</a><br><a href="#">2.PIC16F1828-I/SO.pdf</a><br><a href="#">3.PIC16F1828-I/SO.pdf</a><br><a href="#">4.PIC16F1828-I/SO.pdf</a><br><a href="#">5.PIC16F1828-I/SO.pdf</a> |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.8 V ~ 5.5 V                                                                                                                                                                                             |
| SUPPLIER DEVICE PACKAGE          | 20-SOIC                                                                                                                                                                                                   |
| 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                   | 20-SOIC (0.295", 7.50mm Width)                                                                                                                                                                            |
| OTHER NAMES                      | PIC16F1828ISO                                                                                                                                                                                             |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                                  |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                                                                                                                         |
| NUMBER OF I/O                    | 17                                                                                                                                                                                                        |
| MOISTURE SENSITIVITY LEVEL (MSL) | 1 (Unlimited)                                                                                                                                                                                             |
| 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 20-SOIC                                                                                                                      |
| DATA CONVERTERS                  | A/D 12x10b                                                                                                                                                                                                |
| CORE SIZE                        | 8-Bit                                                                                                                                                                                                     |
| CORE PROCESSOR                   | PIC                                                                                                                                                                                                       |
| CONNECTIVITY                     | I²C, SPI, UART/USART                                                                                                                                                                                      |
| BASE PART NUMBER                 | PIC16F1828                                                                                                                                                                                                |

Related Tags

|                                               |                                        |                                                        |
|-----------------------------------------------|----------------------------------------|--------------------------------------------------------|
| Micrel / Microchip Technology PIC16F1828-I/SO | PIC16F1828-I/SO Distributor            | PIC16F1828-I/SO Supplier                               |
| PIC16F1828-I/SO Price                         | PIC16F1828-I/SO Pictures               | PIC16F1828-I/SO Image                                  |
| PIC16F1828-I/SO PDF Datasheet                 | PIC16F1828-I/SO Download Datasheet     | PIC16F1828-I/SO Datasheet                              |
| PIC16F1828-I/SO Stock                         | Buy PIC16F1828-I/SO                    | Buy Micrel / Microchip Technology PIC16F1828-I/SO      |
| Micrel / Microchip Technology PIC16F1828-I/SO | Micrel / Microchip Technology Supplier | Micrel / Microchip Technology Distributor              |
| Micrel / Microchip Technology PIC16F1828-I/SO | Microchip Technology PIC16F1828-I/SO   | Roving Networks / Microchip Technology PIC16F1828-I/SO |

Related Products

|                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                              |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><b>PIC16F1828T-I/ML</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 7KB FLASH 20QFN<br/>In stock: 51738 pcs<br/><b>RFQ</b></div>  |  <div><b>PIC16F1828-I/GZ</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 7KB FLASH 20UQFN<br/>In stock: 85108 pcs<br/><b>RFQ</b></div>  |
|  <div><b>PIC16F1828T-I/GZ</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 7KB FLASH 20UQFN<br/>In stock: 89725 pcs<br/><b>RFQ</b></div> |  <div><b>PIC16F1828-E/P</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 7KB FLASH 20DIP<br/>In stock: 53929 pcs<br/><b>RFQ</b></div>    |
|  <div><b>PIC16F1828T-I/SS</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 7KB FLASH 20SSOP<br/>In stock: 69244 pcs<br/><b>RFQ</b></div> |  <div><b>PIC16F1828-E/SO</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 7KB FLASH 20SOIC<br/>In stock: 60433 pcs<br/><b>RFQ</b></div>  |
|  <div><b>PIC16F1828-I/P</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 7KB FLASH 20DIP<br/>In stock: 49770 pcs<br/><b>RFQ</b></div>    |  <div><b>PIC16F1828-I/ML</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 7KB FLASH 20QFN<br/>In stock: 59391 pcs<br/><b>RFQ</b></div>   |
|  <div><b>PIC16F1828-I/SS</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 7KB FLASH 20SSOP<br/>In stock: 71928 pcs<br/><b>RFQ</b></div>  |  <div><b>PIC16F1828-E/SS</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 7KB FLASH 20SSOP<br/>In stock: 68917 pcs<br/><b>RFQ</b></div>  |
|  <div><b>PIC16F1829-E/GZ</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 14KB FLASH 20UQFN<br/>In stock: 70298 pcs<br/><b>RFQ</b></div> |  <div><b>PIC16F1828T-I/SO</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 7KB FLASH 20SOIC<br/>In stock: 79368 pcs<br/><b>RFQ</b></div> |