



Micrel / Microchip Technology

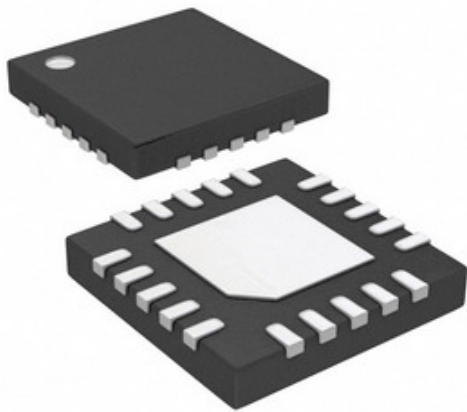


Image may be representation. See specifications for product details.

PIC16F1828T-I/GZ

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | PIC16F1828T-I/GZ                                                                                             |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                |
| Product description | IC MCU 8BIT 7KB FLASH 20UQFN                                                                                 |
|                     | <a href="#">1.PIC16F1828T-I/GZ.pdf</a>                                                                       |
|                     | <a href="#">2.PIC16F1828T-I/GZ.pdf</a>                                                                       |
|                     | <a href="#">3.PIC16F1828T-I/GZ.pdf</a>                                                                       |
|                     | <a href="#">4.PIC16F1828T-I/GZ.pdf</a>                                                                       |
|                     | <a href="#">5.PIC16F1828T-I/GZ.pdf</a>                                                                       |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 89725 pcs stock                                                                                              |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

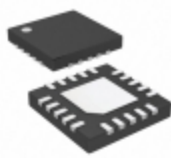
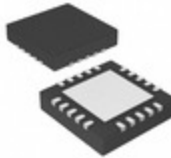
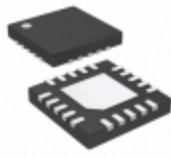
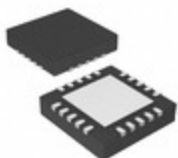
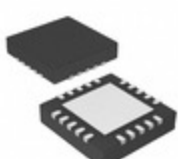
Specifications of PIC16F1828T-I/GZ

|                                  |                                                                                                                                                                                                                |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | PIC16F1828T-I/GZ                                                                                                                                                                                               |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                                                                                                                  |
| DESCRIPTION                      | IC MCU 8BIT 7KB FLASH 20UQFN                                                                                                                                                                                   |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                     |
| QUANTITY AVAILABLE               | 89725 pcs                                                                                                                                                                                                      |
| DATA SHEET                       | <a href="#">1.PIC16F1828T-I/GZ.pdf</a><br><a href="#">2.PIC16F1828T-I/GZ.pdf</a><br><a href="#">3.PIC16F1828T-I/GZ.pdf</a><br><a href="#">4.PIC16F1828T-I/GZ.pdf</a><br><a href="#">5.PIC16F1828T-I/GZ.pdf</a> |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.8 V ~ 5.5 V                                                                                                                                                                                                  |
| SUPPLIER DEVICE PACKAGE          | 20-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                        | Tape & Reel (TR)                                                                                                                                                                                               |
| PACKAGE / CASE                   | 20-UFQFN Exposed Pad                                                                                                                                                                                           |
| 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-UQFN (4x4)                                                                                                                     |
| 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 PIC16F1828T-I/GZ | PIC16F1828T-I/GZ Distributor           | PIC16F1828T-I/GZ Supplier                               |
| PIC16F1828T-I/GZ Price                         | PIC16F1828T-I/GZ Pictures              | PIC16F1828T-I/GZ Image                                  |
| PIC16F1828T-I/GZ PDF Datasheet                 | PIC16F1828T-I/GZ Download Datasheet    | PIC16F1828T-I/GZ Datasheet                              |
| PIC16F1828T-I/GZ Stock                         | Buy PIC16F1828T-I/GZ                   | Buy Micrel / Microchip Technology PIC16F1828T-I/GZ      |
| Micrel / Microchip Technology PIC16F1828T-I/GZ | Micrel / Microchip Technology Supplier | Micrel / Microchip Technology Distributor               |
| Micrel / Microchip Technology PIC16F1828T-I/GZ | Microchip Technology PIC16F1828T-I/GZ  | Roving Networks / Microchip Technology PIC16F1828T-I/GZ |

Related Products

|                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                       |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <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/>RFQ</div>  |  <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/>RFQ</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/>RFQ</div>    |  <div><b>PIC16F1829-E/P</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 14KB FLASH 20DIP<br/>In stock: 52915 pcs<br/>RFQ</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/>RFQ</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/>RFQ</div>  |
|  <div><b>PIC16F1829-E/ML</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 14KB FLASH 20QFN<br/>In stock: 58553 pcs<br/>RFQ</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/>RFQ</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/>RFQ</div> |  <div><b>PIC16F1828-I/SO</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 7KB FLASH 20SOIC<br/>In stock: 67829 pcs<br/>RFQ</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/>RFQ</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/>RFQ</div>  |