

MICROCHIP

Micrel / Microchip Technology



Image may be representation. See specifications for product details.

DSPIC30F3012-20E/SO

Part Number:

DSPIC30F3012-20E/SO

Manufacturer/Brand:

Micrel / Microchip Technology

Product description

IC MCU 16BIT 24KB FLASH 18SOIC

1.DSPIC30F3012-20E/SO.pdf

2.DSPIC30F3012-20E/SO.pdf

3.DSPIC30F3012-20E/SO.pdf

4.DSPIC30F3012-20E/SO.pdf

5.DSPIC30F3012-20E/SO.pdf

Datasheets:

RoHs Status

Lead free / RoHS Compliant

Stock Condition

23632 pcs stock

Ship From

Hong Kong

Shipment Way

DHL/Fedex/TNT/UPS/EMS

REQUEST FOR QUOTATION

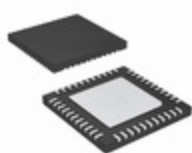
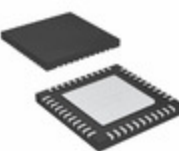
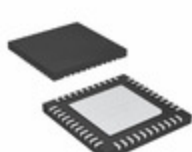
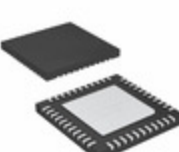
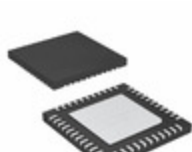
Specifications of DSPIC30F3012-20E/SO

|                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | DSPIC30F3012-20E/SO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| DESCRIPTION                      | IC MCU 16BIT 24KB FLASH 18SOIC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| QUANTITY AVAILABLE               | 23632 pcs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| DATA SHEET                       |  1.DSPIC30F3012-20E/SO.pdf<br> 2.DSPIC30F3012-20E/SO.pdf<br> 3.DSPIC30F3012-20E/SO.pdf<br> 4.DSPIC30F3012-20E/SO.pdf<br> 5.DSPIC30F3012-20E/SO.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 2.5 V ~ 5.5 V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| SUPPLIER DEVICE PACKAGE          | 18-SOIC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| SPEED                            | 20 MIPS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| SERIES                           | dsPIC™ 30F                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| RAM SIZE                         | 2K x 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| PROGRAM MEMORY SIZE              | 24KB (8K x 24)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| PERIPHERALS                      | Brown-out Detect/Reset, POR, PWM, WDT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| PACKAGING                        | Tube                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| PACKAGE / CASE                   | 18-SOIC (0.295", 7.50mm Width)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| OPERATING TEMPERATURE            | -40°C ~ 125°C (TA)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| NUMBER OF I/O                    | 12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| MOISTURE SENSITIVITY LEVEL (MSL) | 1 (Unlimited)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| EEPROM SIZE                      | 1K x 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| DETAILED DESCRIPTION             | dsPIC dsPIC™ 30F Microcontroller IC 16-Bit 20 MIPS 24KB (8K x 24) FLASH 18-SOIC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| DATA CONVERTERS                  | A/D 8x12b                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| CORE SIZE                        | 16-Bit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| CORE PROCESSOR                   | dsPIC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| CONNECTIVITY                     | I²C, SPI, UART/USART                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| BASE PART NUMBER                 | DSPIC30F3012                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

Related Tags

|                                                   |                                          |                                                            |
|---------------------------------------------------|------------------------------------------|------------------------------------------------------------|
| Micrel / Microchip Technology DSPIC30F3012-20E/SO | DSPIC30F3012-20E/SO Distributor          | DSPIC30F3012-20E/SO Supplier                               |
| DSPIC30F3012-20E/SO Price                         | DSPIC30F3012-20E/SO Pictures             | DSPIC30F3012-20E/SO Image                                  |
| DSPIC30F3012-20E/SO PDF Datasheet                 | DSPIC30F3012-20E/SO Download Datasheet   | DSPIC30F3012-20E/SO Datasheet                              |
| DSPIC30F3012-20E/SO Stock                         | Buy DSPIC30F3012-20E/SO                  | Buy Micrel / Microchip Technology DSPIC30F3012-20E/SO      |
| Micrel / Microchip Technology DSPIC30F3012-20E/SO | Micrel / Microchip Technology Supplier   | Micrel / Microchip Technology Distributor                  |
| Micrel / Microchip Technology DSPIC30F3012-20E/SO | Microchip Technology DSPIC30F3012-20E/SO | Roving Networks / Microchip Technology DSPIC30F3012-20E/SO |

Related Products

|                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div>DSPIC30F3012-20I/ML</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 24KB FLASH 44QFN</div> <div>In stock: 25566 pcs</div> <div>RFQ</div>  |  <div>DSPIC30F3012-20E/P</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 24KB FLASH 18DIP</div> <div>In stock: 26105 pcs</div> <div>RFQ</div>    |
|  <div>DSPIC30F3011T-20I/PT</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 24KB FLASH 44TQFP</div> <div>In stock: 5589 pcs</div> <div>RFQ</div> |  <div>DSPIC30F3011T-30I/PT</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 24KB FLASH 44TQFP</div> <div>In stock: 24774 pcs</div> <div>RFQ</div> |
|  <div>DSPIC30F3012-30I/SO</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 24KB FLASH 18SOIC</div> <div>In stock: 25097 pcs</div> <div>RFQ</div> |  <div>DSPIC30F3012-30I/P</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 24KB FLASH 18DIP</div> <div>In stock: 23250 pcs</div> <div>RFQ</div>    |
|  <div>DSPIC30F3012-20I/SO</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 24KB FLASH 18SOIC</div> <div>In stock: 28144 pcs</div> <div>RFQ</div> |  <div>DSPIC30F3012-20E/ML</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 24KB FLASH 44QFN</div> <div>In stock: 23776 pcs</div> <div>RFQ</div>   |
|  <div>DSPIC30F3011T-30I/ML</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 24KB FLASH 44QFN</div> <div>In stock: 6634 pcs</div> <div>RFQ</div>  |  <div>DSPIC30F3012-30I/ML</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 24KB FLASH 44QFN</div> <div>In stock: 28695 pcs</div> <div>RFQ</div>   |
|  <div>DSPIC30F3011T-20I/ML</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 24KB FLASH 44QFN</div> <div>In stock: 6061 pcs</div> <div>RFQ</div>  |  <div>DSPIC30F3012-20I/P</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 24KB FLASH 18DIP</div> <div>In stock: 29054 pcs</div> <div>RFQ</div>    |