

MICROCHIP

Micrel / Microchip Technology

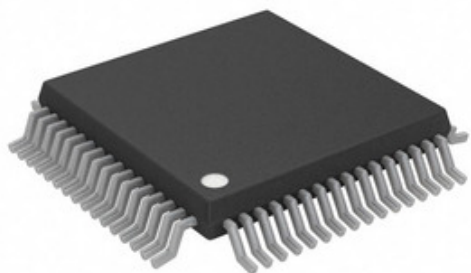


Image may be representation. See specifications for product details.

### DSPIC30F6012AT-30I/PF

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number:        | DSPIC30F6012AT-30I/PF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Product description | IC MCU 16BIT 144KB FLASH 64TQFP <div> 1.DSPIC30F6012AT-30I/PF.pdf<div> 2.DSPIC30F6012AT-30I/PF.pdf<div> 3.DSPIC30F6012AT-30I/PF.pdf<div> 4.DSPIC30F6012AT-30I/PF.pdf</div></div></div></div> |
| Datasheets:         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| RoHs Status         |  Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Stock Condition     | 5969 pcs stock                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Ship From           | Hong Kong                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

REQUEST FOR QUOTATION

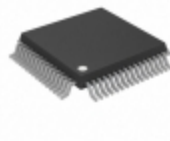
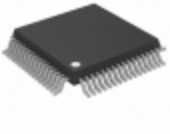
#### Specifications of DSPIC30F6012AT-30I/PF

|                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | DSPIC30F6012AT-30I/PF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| DESCRIPTION                      | IC MCU 16BIT 144KB FLASH 64TQFP                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| QUANTITY AVAILABLE               | 5969 pcs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| DATA SHEET                       | <div> 1.DSPIC30F6012AT-30I/PF.pdf<div> 2.DSPIC30F6012AT-30I/PF.pdf<div> 3.DSPIC30F6012AT-30I/PF.pdf<div> 4.DSPIC30F6012AT-30I/PF.pdf</div></div></div></div> |
| VOLTAGE - SUPPLY (VCC/VDD)       | 2.5 V ~ 5.5 V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| SUPPLIER DEVICE PACKAGE          | 64-TQFP (14x14)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| SPEED                            | 30 MIPS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| SERIES                           | dsPIC™ 30F                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| RAM SIZE                         | 8K x 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| PROGRAM MEMORY SIZE              | 144KB (48K x 24)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| PERIPHERALS                      | AC'97, Brown-out Detect/Reset, I²S, LVD, POR, PWM, WDT                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| PACKAGING                        | Tape & Reel (TR)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| PACKAGE / CASE                   | 64-TQFP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| NUMBER OF I/O                    | 52                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| EEPROM SIZE                      | 4K x 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| DETAILED DESCRIPTION             | dsPIC dsPIC™ 30F Microcontroller IC 16-Bit 30 MIPS 144KB (48K x 24) FLASH 64-TQFP (14x14)                                                                                                                                                                                                                                                                                                                                                                                                                |
| DATA CONVERTERS                  | A/D 16x12b                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| CORE SIZE                        | 16-Bit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| CORE PROCESSOR                   | dsPIC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| CONNECTIVITY                     | CANbus, I²C, SPI, UART/USART                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| BASE PART NUMBER                 | DSPIC30F6012A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

#### Related Tags

|                                                     |                                            |                                                              |
|-----------------------------------------------------|--------------------------------------------|--------------------------------------------------------------|
| Micrel / Microchip Technology DSPIC30F6012AT-30I/PF | DSPIC30F6012AT-30I/PF Distributor          | DSPIC30F6012AT-30I/PF Supplier                               |
| DSPIC30F6012AT-30I/PF Price                         | DSPIC30F6012AT-30I/PF Pictures             | DSPIC30F6012AT-30I/PF Image                                  |
| DSPIC30F6012AT-30I/PF PDF Datasheet                 | DSPIC30F6012AT-30I/PF Download Datasheet   | DSPIC30F6012AT-30I/PF Datasheet                              |
| DSPIC30F6012AT-30I/PF Stock                         | Buy DSPIC30F6012AT-30I/PF                  | Buy Micrel / Microchip Technology DSPIC30F6012AT-30I/PF      |
| Micrel / Microchip Technology DSPIC30F6012AT-30I/PF | Micrel / Microchip Technology Supplier     | Micrel / Microchip Technology Distributor                    |
| Micrel / Microchip Technology DSPIC30F6012AT-30I/PF | Microchip Technology DSPIC30F6012AT-30I/PF | Roving Networks / Microchip Technology DSPIC30F6012AT-30I/PF |

#### Related Products

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| <div></div> <div>DSPIC30F6012T-20I/PF</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 144KB FLASH 64TQFP</div> <div>In stock: 5147 pcs</div> <div>RFQ</div>           | <div>MICROCHIP</div> <div>DSPIC30F6012AT-20E/PT</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 144KB FLASH 64TQFP</div> <div>In stock: 5638 pcs</div> <div>RFQ</div>  |
| <div></div> <div>DSPIC30F6012AT-20E/PF</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 144KB FLASH 64TQFP</div> <div>In stock: 5475 pcs</div> <div>RFQ</div>          | <div>MICROCHIP</div> <div>DSPIC30F6012AT-30I/PT</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 144KB FLASH 64TQFP</div> <div>In stock: 12011 pcs</div> <div>RFQ</div> |
| <div>MICROCHIP</div> <div>DSPIC30F6012A-20I/PT</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 144KB FLASH 64TQFP</div> <div>In stock: 2906 pcs</div> <div>RFQ</div>  | <div></div> <div>DSPIC30F6012T-30I/PF</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 144KB FLASH 64TQFP</div> <div>In stock: 5129 pcs</div> <div>RFQ</div>            |
| <div>MICROCHIP</div> <div>DSPIC30F6012A-30I/PT</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 144KB FLASH 64TQFP</div> <div>In stock: 10696 pcs</div> <div>RFQ</div> | <div>MICROCHIP</div> <div>DSPIC30F6012AT-20I/PT</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 144KB FLASH 64TQFP</div> <div>In stock: 6348 pcs</div> <div>RFQ</div>  |
| <div></div> <div>DSPIC30F6012A-30I/PF</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 144KB FLASH 64TQFP</div> <div>In stock: 8870 pcs</div> <div>RFQ</div>           | <div>MICROCHIP</div> <div>DSPIC30F6013A-20E/PF</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 132KB FLASH 80TQFP</div> <div>In stock: 9537 pcs</div> <div>RFQ</div>   |
| <div>MICROCHIP</div> <div>DSPIC30F6013-30I/PF</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 132KB FLASH 80TQFP</div> <div>In stock: 3560 pcs</div> <div>RFQ</div>   | <div>MICROCHIP</div> <div>DSPIC30F6013-20I/PF</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 132KB FLASH 80TQFP</div> <div>In stock: 6304 pcs</div> <div>RFQ</div>    |