



Micrel / Microchip Technology



Image may be representation. See specifications for product details.

DSPIC30F6012AT-20I/PT

|                     |                                                                                                                             |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Part Number:        | DSPIC30F6012AT-20I/PT                                                                                                       |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                               |
| Product description | IC MCU 16BIT 144KB FLASH 64TQFP                                                                                             |
| Datasheets:         |  <a href="#">DSPIC30F6012AT-20I/PT.pdf</a> |
| RoHs Status         |  Lead free / RoHS Compliant                |
| Ship From           | Hong Kong                                                                                                                   |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                                       |

REQUEST FOR QUOTATION

Specifications of DSPIC30F6012AT-20I/PT

|                                  |                                                                                                                               |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | DSPIC30F6012AT-20I/PT                                                                                                         |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                                 |
| DESCRIPTION                      | IC MCU 16BIT 144KB FLASH 64TQFP                                                                                               |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                    |
| DATA SHEET                       |  <a href="#">DSPIC30F6012AT-20I/PT.pdf</a> |
| VOLTAGE - SUPPLY (VCC/VDD)       | 2.5 V ~ 5.5 V                                                                                                                 |
| SUPPLIER DEVICE PACKAGE          | 64-TQFP (10x10)                                                                                                               |
| SPEED                            | 20 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) | 4 (72 Hours)                                                                                                                  |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                    |
| EEPROM SIZE                      | 4K x 8                                                                                                                        |
| DETAILED DESCRIPTION             | dsPIC dsPIC™ 30F Microcontroller IC 16-Bit 20 MIPS 144KB (48K x 24) FLASH 64-TQFP (10x10)                                     |
| 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-20I/PT | DSPIC30F6012AT-20I/PT Distributor          | DSPIC30F6012AT-20I/PT Supplier                               |
| DSPIC30F6012AT-20I/PT Price                         | DSPIC30F6012AT-20I/PT Pictures             | DSPIC30F6012AT-20I/PT Image                                  |
| DSPIC30F6012AT-20I/PT PDF Datasheet                 | DSPIC30F6012AT-20I/PT Download Datasheet   | DSPIC30F6012AT-20I/PT Datasheet                              |
| DSPIC30F6012AT-20I/PT Stock                         | Buy DSPIC30F6012AT-20I/PT                  | Buy Micrel / Microchip Technology DSPIC30F6012AT-20I/PT      |
| Micrel / Microchip Technology DSPIC30F6012AT-20I/PT | Micrel / Microchip Technology Supplier     | Micrel / Microchip Technology Distributor                    |
| Micrel / Microchip Technology DSPIC30F6012AT-20I/PT | Microchip Technology DSPIC30F6012AT-20I/PT | Roving Networks / Microchip Technology DSPIC30F6012AT-20I/PT |

Related Products

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|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><b>DSPIC30F6012T-30I/PF</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 144KB FLASH 64TQFP<br/>In stock: Out stock<br/><a href="#">RFQ</a></div>  |  <div><b>DSPIC30F6012AT-30I/PF</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 144KB FLASH 64TQFP<br/>In stock: Out stock<br/><a href="#">RFQ</a></div> |
|  <div><b>DSPIC30F6013-20I/PF</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 132KB FLASH 80TQFP<br/>In stock: Out stock<br/><a href="#">RFQ</a></div>   |  <div><b>DSPIC30F6012A-20I/PT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 144KB FLASH 64TQFP<br/>In stock: Out stock<br/><a href="#">RFQ</a></div>  |
|  <div><b>DSPIC30F6012A-20E/PT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 144KB FLASH 64TQFP<br/>In stock: Out stock<br/><a href="#">RFQ</a></div>  |  <div><b>DSPIC30F6012AT-30I/PT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 144KB FLASH 64TQFP<br/>In stock: Out stock<br/><a href="#">RFQ</a></div> |
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|  <div><b>DSPIC30F6012A-30I/PT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 144KB FLASH 64TQFP<br/>In stock: Out stock<br/><a href="#">RFQ</a></div>  |  <div><b>DSPIC30F6012AT-20E/PT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 144KB FLASH 64TQFP<br/>In stock: Out stock<br/><a href="#">RFQ</a></div> |
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