

MICROCHIP

Micrel / Microchip Technology



Image may be representation. See specifications for product details.

DSPIC30F6014A-30I/PF

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | DSPIC30F6014A-30I/PF                                                                                         |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                |
| Product description | IC MCU 16BIT 144KB FLASH 80TQFP                                                                              |
|                     |  1.DSPIC30F6014A-30I/PF.pdf |
|                     |  2.DSPIC30F6014A-30I/PF.pdf |
|                     |  3.DSPIC30F6014A-30I/PF.pdf |
|                     |  4.DSPIC30F6014A-30I/PF.pdf |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 8722 pcs stock                                                                                               |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

Specifications of DSPIC30F6014A-30I/PF

|                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | DSPIC30F6014A-30I/PF                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| DESCRIPTION                      | IC MCU 16BIT 144KB FLASH 80TQFP                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| QUANTITY AVAILABLE               | 8722 pcs                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| DATA SHEET                       |  1.DSPIC30F6014A-30I/PF.pdf<br> 2.DSPIC30F6014A-30I/PF.pdf<br> 3.DSPIC30F6014A-30I/PF.pdf<br> 4.DSPIC30F6014A-30I/PF.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 2.5 V ~ 5.5 V                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| SUPPLIER DEVICE PACKAGE          | 80-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                        | Tray                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| PACKAGE / CASE                   | 80-TQFP                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| OTHER NAMES                      | DSPIC30F6014A30IPF                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| NUMBER OF I/O                    | 68                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 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 80-TQFP (14x14)                                                                                                                                                                                                                                                                                                                                                                            |
| DATA CONVERTERS                  | A/D 16x12b                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| CORE SIZE                        | 16-Bit                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| CORE PROCESSOR                   | dsPIC                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| CONNECTIVITY                     | CANbus, I²C, SPI, UART/USART                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| BASE PART NUMBER                 | DSPIC30F6014A                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

Related Tags

|                                                    |                                           |                                                             |
|----------------------------------------------------|-------------------------------------------|-------------------------------------------------------------|
| Micrel / Microchip Technology DSPIC30F6014A-30I/PF | DSPIC30F6014A-30I/PF Distributor          | DSPIC30F6014A-30I/PF Supplier                               |
| DSPIC30F6014A-30I/PF Price                         | DSPIC30F6014A-30I/PF Pictures             | DSPIC30F6014A-30I/PF Image                                  |
| DSPIC30F6014A-30I/PF PDF Datasheet                 | DSPIC30F6014A-30I/PF Download Datasheet   | DSPIC30F6014A-30I/PF Datasheet                              |
| DSPIC30F6014A-30I/PF Stock                         | Buy DSPIC30F6014A-30I/PF                  | Buy Micrel / Microchip Technology DSPIC30F6014A-30I/PF      |
| Micrel / Microchip Technology DSPIC30F6014A-30I/PF | Micrel / Microchip Technology Supplier    | Micrel / Microchip Technology Distributor                   |
| Micrel / Microchip Technology DSPIC30F6014A-30I/PF | Microchip Technology DSPIC30F6014A-30I/PF | Roving Networks / Microchip Technology DSPIC30F6014A-30I/PF |

Related Products

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|  MICROCHIP<br><b>DSPIC30F6014A-20I/PT</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 16BIT 144KB FLASH 80TQFP<br>In stock: 3985 pcs<br>RFQ   |  MICROCHIP<br><b>DSPIC30F6014-20I/PF</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 16BIT 144KB FLASH 80TQFP<br>In stock: 5638 pcs<br>RFQ   |
|  MICROCHIP<br><b>DSPIC30F6014AT-20E/PT</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 16BIT 144KB FLASH 80TQFP<br>In stock: 3061 pcs<br>RFQ  |  MICROCHIP<br><b>DSPIC30F6014AT-20E/PF</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 16BIT 144KB FLASH 80TQFP<br>In stock: 6714 pcs<br>RFQ |
|  MICROCHIP<br><b>DSPIC30F6014A-20E/PF</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 16BIT 144KB FLASH 80TQFP<br>In stock: 8076 pcs<br>RFQ   |  MICROCHIP<br><b>DSPIC30F6014AT-20I/PT</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 16BIT 144KB FLASH 80TQFP<br>In stock: 3980 pcs<br>RFQ |
|  MICROCHIP<br><b>DSPIC30F6014-30I/PF</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 16BIT 144KB FLASH 80TQFP<br>In stock: 5380 pcs<br>RFQ    |  MICROCHIP<br><b>DSPIC30F6014A-20I/PF</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 16BIT 144KB FLASH 80TQFP<br>In stock: 2765 pcs<br>RFQ  |
|  MICROCHIP<br><b>DSPIC30F6014AT-30I/PF</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 16BIT 144KB FLASH 80TQFP<br>In stock: 10086 pcs<br>RFQ |  MICROCHIP<br><b>DSPIC30F6014A-20E/PT</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 16BIT 144KB FLASH 80TQFP<br>In stock: 8603 pcs<br>RFQ  |
|  MICROCHIP<br><b>DSPIC30F6014AT-30I/PT</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 16BIT 144KB FLASH 80TQFP<br>In stock: 12082 pcs<br>RFQ |  MICROCHIP<br><b>DSPIC30F6014A-30I/PT</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 16BIT 144KB FLASH 80TQFP<br>In stock: 8961 pcs<br>RFQ  |