

MICROCHIP

Micrel / Microchip Technology



Image may be representation. See specifications for product details.

## DSPIC30F3014T-20E/PT

|                     |                                                                                                                      |
|---------------------|----------------------------------------------------------------------------------------------------------------------|
| Part Number:        | DSPIC30F3014T-20E/PT                                                                                                 |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                        |
| Product description | IC MCU 16BIT 24KB FLASH 44TQFP                                                                                       |
|                     |  1.DSPIC30F3014T-20E/PT.pdf         |
|                     |  2.DSPIC30F3014T-20E/PT.pdf         |
|                     |  3.DSPIC30F3014T-20E/PT.pdf         |
|                     |  4.DSPIC30F3014T-20E/PT.pdf         |
|                     |  5.DSPIC30F3014T-20E/PT.pdf         |
|                     |  6.DSPIC30F3014T-20E/PT.pdf         |
| Datasheets:         |                                                                                                                      |
| RoHs Status         |  Contains lead / RoHS non-compliant |
| Stock Condition     | 7002 pcs stock                                                                                                       |
| Ship From           | Hong Kong                                                                                                            |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                                |

REQUEST FOR QUOTATION

### Specifications of DSPIC30F3014T-20E/PT

|                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | DSPIC30F3014T-20E/PT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| DESCRIPTION                      | IC MCU 16BIT 24KB FLASH 44TQFP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| LEAD FREE STATUS / ROHS STATUS   | Contains lead / RoHS non-compliant                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| QUANTITY AVAILABLE               | 7002 pcs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| DATA SHEET                       |  1.DSPIC30F3014T-20E/PT.pdf<br> 2.DSPIC30F3014T-20E/PT.pdf<br> 3.DSPIC30F3014T-20E/PT.pdf<br> 4.DSPIC30F3014T-20E/PT.pdf<br> 5.DSPIC30F3014T-20E/PT.pdf<br> 6.DSPIC30F3014T-20E/PT.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 2.5 V ~ 5.5 V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| SUPPLIER DEVICE PACKAGE          | 44-TQFP (10x10)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 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                        | Tape & Reel (TR)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| PACKAGE / CASE                   | 44-TQFP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| OTHER NAMES                      | DSPIC30F3014T20EP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| OPERATING TEMPERATURE            | -40°C ~ 125°C (TA)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| NUMBER OF I/O                    | 30                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| LEAD FREE STATUS / ROHS STATUS   | Contains lead / RoHS non-compliant                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| EEPROM SIZE                      | 1K x 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| DETAILED DESCRIPTION             | dsPIC dsPIC™ 30F Microcontroller IC 16-Bit 20 MIPS 24KB (8K x 24) FLASH 44-TQFP (10x10)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| DATA CONVERTERS                  | A/D 13x12b                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| CORE SIZE                        | 16-Bit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| CORE PROCESSOR                   | dsPIC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| CONNECTIVITY                     | I²C, SPI, UART/USART                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| BASE PART NUMBER                 | DSPIC30F3014                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

### Related Tags

|                                                    |                                           |                                                             |
|----------------------------------------------------|-------------------------------------------|-------------------------------------------------------------|
| Micrel / Microchip Technology DSPIC30F3014T-20E/PT | DSPIC30F3014T-20E/PT Distributor          | DSPIC30F3014T-20E/PT Supplier                               |
| DSPIC30F3014T-20E/PT Price                         | DSPIC30F3014T-20E/PT Pictures             | DSPIC30F3014T-20E/PT Image                                  |
| DSPIC30F3014T-20E/PT PDF Datasheet                 | DSPIC30F3014T-20E/PT Download Datasheet   | DSPIC30F3014T-20E/PT Datasheet                              |
| DSPIC30F3014T-20E/PT Stock                         | Buy DSPIC30F3014T-20E/PT                  | Buy Micrel / Microchip Technology DSPIC30F3014T-20E/PT      |
| Micrel / Microchip Technology DSPIC30F3014T-20E/PT | Micrel / Microchip Technology Supplier    | Micrel / Microchip Technology Distributor                   |
| Micrel / Microchip Technology DSPIC30F3014T-20E/PT | Microchip Technology DSPIC30F3014T-20E/PT | Roving Networks / Microchip Technology DSPIC30F3014T-20E/PT |

### Related Products

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|  <b>DSPIC30F3014-20I/P</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 16BIT 24KB FLASH 40DIP<br>In stock: 22225 pcs<br><b>RFQ</b>   |  <b>DSPIC30F3014T-30I/PT</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 16BIT 24KB FLASH 44TQFP<br>In stock: 28193 pcs<br><b>RFQ</b> |
|  <b>DSPIC30F3014-30I/P</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 16BIT 24KB FLASH 40DIP<br>In stock: 18610 pcs<br><b>RFQ</b>   |  <b>DSPIC30F3014T-20I/ML</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 16BIT 24KB FLASH 44QFN<br>In stock: 2934 pcs<br><b>RFQ</b>   |
|  <b>DSPIC30F3014T-30I/ML</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 16BIT 24KB FLASH 44QFN<br>In stock: 3845 pcs<br><b>RFQ</b>  |  <b>DSPIC30F3014-20I/PT</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 16BIT 24KB FLASH 44TQFP<br>In stock: 19874 pcs<br><b>RFQ</b>  |
|  <b>DSPIC30F3014-30I/ML</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 16BIT 24KB FLASH 44QFN<br>In stock: 19449 pcs<br><b>RFQ</b>  |  <b>DSPIC30F4011-20E/ML</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 16BIT 48KB FLASH 44QFN<br>In stock: 14914 pcs<br><b>RFQ</b>   |
|  <b>DSPIC30F3014T-20I/PT</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 16BIT 24KB FLASH 44TQFP<br>In stock: 5268 pcs<br><b>RFQ</b> |  <b>DSPIC30F3014T-20E/ML</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 16BIT 24KB FLASH 44QFN<br>In stock: 3171 pcs<br><b>RFQ</b>   |
|  <b>DSPIC30F4011-20E/P</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 16BIT 48KB FLASH 40DIP<br>In stock: 16817 pcs<br><b>RFQ</b>   |  <b>DSPIC30F3014-30I/PT</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 16BIT 24KB FLASH 44TQFP<br>In stock: 18903 pcs<br><b>RFQ</b>  |

