

MICROCHIP

Micrel / Microchip Technology



Image may be representation. See specifications for product details.

PIC16F18424T-I/ST

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | PIC16F18424T-I/ST                                                                                            |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                |
| Product description | COMPARATOR, DAC, 12-BIT ADCC                                                                                 |
|                     |  1.PIC16F18424T-I/ST.pdf    |
|                     |  2.PIC16F18424T-I/ST.pdf    |
| Datasheets:         |  Lead free / RoHS Compliant |
| RoHs Status         | Hong Kong                                                                                                    |
| Ship From           |                                                                                                              |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

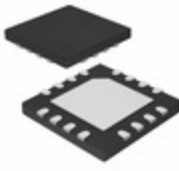
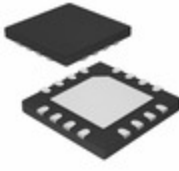
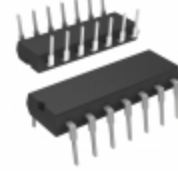
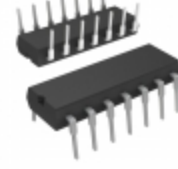
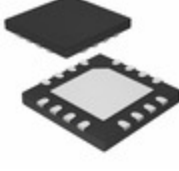
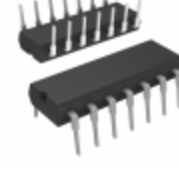
Specifications of PIC16F18424T-I/ST

|                                  |                                                                                                                                                                                                                            |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | PIC16F18424T-I/ST                                                                                                                                                                                                          |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                                                                                                                              |
| DESCRIPTION                      | COMPARATOR, DAC, 12-BIT ADCC                                                                                                                                                                                               |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                 |
| DATA SHEET                       |  1.PIC16F18424T-I/ST.pdf<br> 2.PIC16F18424T-I/ST.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 2.3 V ~ 5.5 V                                                                                                                                                                                                              |
| SUPPLIER DEVICE PACKAGE          | 14-TSSOP                                                                                                                                                                                                                   |
| SPEED                            | 32MHz                                                                                                                                                                                                                      |
| SERIES                           | PIC® XLP™ 16F                                                                                                                                                                                                              |
| RAM SIZE                         | 512 x 8                                                                                                                                                                                                                    |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                                                                                                                      |
| PROGRAM MEMORY SIZE              | 7KB (4K x 14)                                                                                                                                                                                                              |
| PERIPHERALS                      | Brown-out Detect/Reset, POR, PWM, WDT                                                                                                                                                                                      |
| PACKAGING                        | Tape & Reel (TR)                                                                                                                                                                                                           |
| PACKAGE / CASE                   | 14-TSSOP (0.173", 4.40mm Width)                                                                                                                                                                                            |
| OTHER NAMES                      | PIC16F18424T-I/STTR                                                                                                                                                                                                        |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                                                   |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                                                                                                                                          |
| NUMBER OF I/O                    | 11                                                                                                                                                                                                                         |
| MOISTURE SENSITIVITY LEVEL (MSL) | 1 (Unlimited)                                                                                                                                                                                                              |
| MANUFACTURER STANDARD LEAD TIME  | 13 Weeks                                                                                                                                                                                                                   |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                 |
| EEPROM SIZE                      | 256 x 8                                                                                                                                                                                                                    |
| DETAILED DESCRIPTION             | PIC PIC® XLP™ 16F Microcontroller IC 8-Bit 32MHz 7KB (4K x 14) FLASH 14-TSSOP                                                                                                                                              |
| DATA CONVERTERS                  | A/D 11x12b, D/A 1x5b                                                                                                                                                                                                       |
| CORE SIZE                        | 8-Bit                                                                                                                                                                                                                      |
| CORE PROCESSOR                   | PIC                                                                                                                                                                                                                        |
| CONNECTIVITY                     | I²C, LINbus, SPI, UART/USART                                                                                                                                                                                               |

Related Tags

|                                                 |                                        |                                                          |
|-------------------------------------------------|----------------------------------------|----------------------------------------------------------|
| Micrel / Microchip Technology PIC16F18424T-I/ST | PIC16F18424T-I/ST Distributor          | PIC16F18424T-I/ST Supplier                               |
| PIC16F18424T-I/ST Price                         | PIC16F18424T-I/ST Pictures             | PIC16F18424T-I/ST Image                                  |
| PIC16F18424T-I/ST PDF Datasheet                 | PIC16F18424T-I/ST Download Datasheet   | PIC16F18424T-I/ST Datasheet                              |
| PIC16F18424T-I/ST Stock                         | Buy PIC16F18424T-I/ST                  | Buy Micrel / Microchip Technology PIC16F18424T-I/ST      |
| Micrel / Microchip Technology PIC16F18424T-I/ST | Micrel / Microchip Technology Supplier | Micrel / Microchip Technology Distributor                |
| Micrel / Microchip Technology PIC16F18424T-I/ST | Microchip Technology PIC16F18424T-I/ST | Roving Networks / Microchip Technology PIC16F18424T-I/ST |

Related Products

|                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><b>PIC16F18425-I/JQ</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: COMPARATOR, DAC, 12-BIT ADCC<br/>In stock: 728 pcs<br/>RFQ</div>    |  <div><b>PIC16F18424-I/SL</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: COMPARATOR, DAC, 12-BIT ADCC<br/>In stock: 638 pcs<br/>RFQ</div>   |
|  <div><b>PIC16F18425-E/JQ</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: COMPARATOR, DAC, 12-BIT ADCC<br/>In stock: 637 pcs<br/>RFQ</div>    |  <div><b>PIC16F18425-I/P</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: COMPARATOR, DAC, 12-BIT ADCC<br/>In stock: 620 pcs<br/>RFQ</div>    |
|  <div><b>PIC16F18425-E/ST</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: COMPARATOR, DAC, 12-BIT ADCC<br/>In stock: 672 pcs<br/>RFQ</div>    |  <div><b>PIC16F18424-I/ST</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: COMPARATOR, DAC, 12-BIT ADCC<br/>In stock: 864 pcs<br/>RFQ</div>   |
|  <div><b>PIC16F18424T-I/SL</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: COMPARATOR, DAC, 12-BIT ADCC<br/>In stock: Out stock<br/>RFQ</div> |  <div><b>PIC16F18424-I/P</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: COMPARATOR, DAC, 12-BIT ADCC<br/>In stock: 660 pcs<br/>RFQ</div>    |
|  <div><b>PIC16F18424-I/JQ</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: COMPARATOR, DAC, 12-BIT ADCC<br/>In stock: 819 pcs<br/>RFQ</div>    |  <div><b>PIC16F18424-E/ST</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: COMPARATOR, DAC, 12-BIT ADCC<br/>In stock: 768 pcs<br/>RFQ</div>   |
|  <div><b>PIC16F18425-E/P</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: COMPARATOR, DAC, 12-BIT ADCC<br/>In stock: Out stock<br/>RFQ</div>   |  <div><b>PIC16F18425-E/SL</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: COMPARATOR, DAC, 12-BIT ADCC<br/>In stock: Out stock<br/>RFQ</div> |