


N/A

**MSP430F2003IRSAT**

|                      |  |
|----------------------|--|
| Part Number:         | MSP430F2003IRSAT   |
| Manufacturer/Brand:  | N/A  |
| Product description: | IC MCU 16BIT 1KB FLASH 16QFN   |
| Datasheets:          |  |
| RoHS Status:         |  Lead free / RoHS Compliant |
| Ship From:           | Hong Kong  |
| Shipment Way:        | DHL/Fedex/TNT/UPS/EMS  |

[REQUEST FOR QUOTATION](#)

Image may be representation. See specifications for product details.

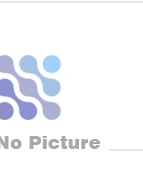
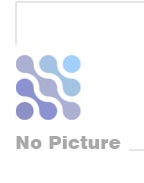

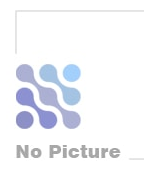
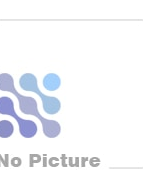

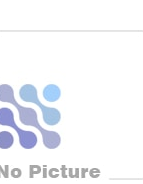
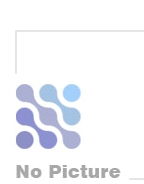
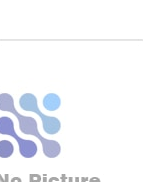

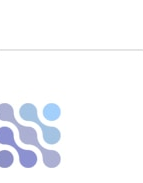
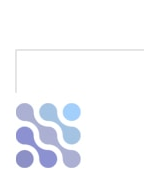
**Specifications of MSP430F2003IRSAT**

|                                  |  |
|----------------------------------|--|
| PART NUMBER                      | MSP430F2003IRSAT   |
| MANUFACTURER                     | N/A  |
| DESCRIPTION                      | IC MCU 16BIT 1KB FLASH 16QFN   |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant   |
| DATA SHEET                       |  |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.8 V ~ 3.6 V  |
| SUPPLIER DEVICE PACKAGE          | 16-QFN (4x4)   |
| SPEED                            | 16MHz  |
| SERIES                           | MSP430F2xx   |
| RAM SIZE                         | 128 x 8  |
| PROGRAM MEMORY TYPE              | FLASH  |
| PROGRAM MEMORY SIZE              | 1KB (1K x 8 + 256B)  |
| PERIPHERALS                      | Brown-out Detect/Reset, POR, PWM, WDT  |
| PACKAGING                        | Tape & Reel (TR)   |
| PACKAGE / CASE                   | 16-VQFN Exposed Pad  |
| OTHER NAMES                      | 296-19692-2  |
| OSCILLATOR TYPE                  | Internal   |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)  |
| NUMBER OF I/O                    | 10   |
| MOISTURE SENSITIVITY LEVEL (MSL) | 2 (1 Year)   |
| MANUFACTURER STANDARD LEAD TIME  | 8 Weeks  |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant   |
| EEPROM SIZE                      | -  |
| DETAILED DESCRIPTION             | MSP430 MSP430F2xx Microcontroller IC 16-Bit 16MHz 1KB (1K x 8 + 256B) FLASH 16-QFN (4x4) |
| DATA CONVERTERS                  | A/D 10x16b   |
| CORE SIZE                        | 16-Bit   |
| CORE PROCESSOR                   | MSP430   |
| CONNECTIVITY                     | I <sup>2</sup> C, SPI  |
| BASE PART NUMBER                 | MSP430F2003  |

**Related Tags**

|  |   |  |
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| <a href="#">MSP430F2003IRSAT</a>               | <a href="#">Supplier</a>                            | <a href="#">Distributor</a>                |

**Related Products**

|  |  |
|--|--|
|  <p><b>MSP430F2002TRSAR</b><br/>Manufacturers: N/A<br/>Description: IC MCU 16BIT 1KB FLASH 16QFN<br/>In stock: 65992 pcs</p> <p><a href="#">RFQ</a></p>  |  <p><b>MSP430F2011IN</b><br/>Manufacturers: N/A<br/>Description: IC MCU 16BIT 2KB FLASH 14DIP<br/>In stock: 73606 pcs</p> <p><a href="#">RFQ</a></p>    |
|  <p><b>MSP430F2003TPW</b><br/>Manufacturers: N/A<br/>Description: IC MCU 16BIT 1KB FLASH 14TSSOP<br/>In stock: 54924 pcs</p> <p><a href="#">RFQ</a></p>  |  <p><b>MSP430F2003IPW</b><br/>Manufacturers: N/A<br/>Description: IC MCU 16BIT 1KB FLASH 14TSSOP<br/>In stock: 47605 pcs</p> <p><a href="#">RFQ</a></p> |
|  <p><b>MSP430F2003IRSAR</b><br/>Manufacturers: N/A<br/>Description: IC MCU 16BIT 1KB FLASH 16QFN<br/>In stock: 88366 pcs</p> <p><a href="#">RFQ</a></p>  |  <p><b>MSP430F2002TRSAT</b><br/>Manufacturers: N/A<br/>Description: IC MCU 16BIT 1KB FLASH 16QFN<br/>In stock: 70198 pcs</p> <p><a href="#">RFQ</a></p> |
|  <p><b>MSP430F2003TPWR</b><br/>Manufacturers: N/A<br/>Description: IC MCU 16BIT 1KB FLASH 14TSSOP<br/>In stock: 70948 pcs</p> <p><a href="#">RFQ</a></p> |  <p><b>MSP430F2003TRSAT</b><br/>Manufacturers: N/A<br/>Description: IC MCU 16BIT 1KB FLASH 16QFN<br/>In stock: 44700 pcs</p> <p><a href="#">RFQ</a></p> |
|  <p><b>MSP430F2003TRSAR</b><br/>Manufacturers: N/A<br/>Description: IC MCU 16BIT 1KB FLASH 16QFN<br/>In stock: 65220 pcs</p> <p><a href="#">RFQ</a></p>  |  <p><b>MSP430F2003IN</b><br/>Manufacturers: N/A<br/>Description: IC MCU 16BIT 1KB FLASH 14DIP<br/>In stock: 58277 pcs</p> <p><a href="#">RFQ</a></p>    |
|  <p><b>MSP430F2003IPWR</b><br/>Manufacturers: N/A<br/>Description: IC MCU 16BIT 1KB FLASH 14TSSOP<br/>In stock: 92147 pcs</p> <p><a href="#">RFQ</a></p> |  <p><b>MSP430F2003TN</b><br/>Manufacturers: N/A<br/>Description: IC MCU 16BIT 1KB FLASH 14DIP<br/>In stock: 75879 pcs</p> <p><a href="#">RFQ</a></p>    |