



MSP430F1612IRTDT

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | MSP430F1612IRTDT                                                                                             |
| Manufacturer/Brand: | N/A                                                                                                          |
| Product description | IC MCU 16BIT 55KB FLASH 64VQFN                                                                               |
| Datasheets:         |                                                                                                              |
| RoHS Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 6113 pcs stock                                                                                               |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

Specifications of MSP430F1612IRTDT

|                                  |                                                                                            |
|----------------------------------|--------------------------------------------------------------------------------------------|
| PART NUMBER                      | MSP430F1612IRTDT                                                                           |
| MANUFACTURER                     | N/A                                                                                        |
| DESCRIPTION                      | IC MCU 16BIT 55KB FLASH 64VQFN                                                             |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                 |
| QUANTITY AVAILABLE               | 6113 pcs                                                                                   |
| DATA SHEET                       |                                                                                            |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.8 V ~ 3.6 V                                                                              |
| SUPPLIER DEVICE PACKAGE          | 64-VQFN (9x9)                                                                              |
| SPEED                            | 8MHz                                                                                       |
| SERIES                           | MSP430x1xx                                                                                 |
| RAM SIZE                         | 5K x 8                                                                                     |
| PROGRAM MEMORY TYPE              | FLASH                                                                                      |
| PROGRAM MEMORY SIZE              | 55KB (55K x 8 + 256B)                                                                      |
| PERIPHERALS                      | Brown-out Detect/Reset, DMA, POR, PWM, WDT                                                 |
| PACKAGING                        | Tape & Reel (TR)                                                                           |
| PACKAGE / CASE                   | 64-VFQFN Exposed Pad                                                                       |
| OTHER NAMES                      | 296-18103-2                                                                                |
| OSCILLATOR TYPE                  | Internal                                                                                   |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                          |
| NUMBER OF I/O                    | 48                                                                                         |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                              |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                 |
| EEPROM SIZE                      | -                                                                                          |
| DETAILED DESCRIPTION             | MSP430 MSP430x1xx Microcontroller IC 16-Bit 8MHz 55KB (55K x 8 + 256B) FLASH 64-VQFN (9x9) |
| DATA CONVERTERS                  | A/D 8x12b, D/A 2x12b                                                                       |
| CORE SIZE                        | 16-Bit                                                                                     |
| CORE PROCESSOR                   | MSP430                                                                                     |
| CONNECTIVITY                     | I <sup>2</sup> C, SPI, UART/USART                                                          |
| BASE PART NUMBER                 | MSP430F1612                                                                                |

Related Tags

|                                |                                     |                            |
|--------------------------------|-------------------------------------|----------------------------|
| MSP430F1612IRTDT               | MSP430F1612IRTDT Distributor        | MSP430F1612IRTDT Supplier  |
| MSP430F1612IRTDT Price         | MSP430F1612IRTDT Pictures           | MSP430F1612IRTDT Image     |
| MSP430F1612IRTDT PDF Datasheet | MSP430F1612IRTDT Download Datasheet | MSP430F1612IRTDT Datasheet |
| MSP430F1612IRTDT Stock         | Buy MSP430F1612IRTDT                | Buy MSP430F1612IRTDT       |
| MSP430F1612IRTDT               | Supplier                            | Distributor                |

Related Products

|                                                                                    |                                                                                                                                       |                                                                                      |                                                                                                                                       |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
|  | <b>MSP430F1611IPMR</b><br>Manufacturers: N/A<br>Description: IC MCU 16BIT 48KB FLASH 64LQFP<br>In stock: 5111 pcs<br><div>RFQ</div>   |  | <b>MSP430F167IRTDT</b><br>Manufacturers: N/A<br>Description: IC MCU 16BIT 32KB FLASH 64VQFN<br>In stock: 6747 pcs<br><div>RFQ</div>   |
|  | <b>MSP430F1611IRTDT</b><br>Manufacturers: N/A<br>Description: IC MCU 16BIT 48KB FLASH 64VQFN<br>In stock: 5664 pcs<br><div>RFQ</div>  |  | <b>MSP430F1612IPM</b><br>Manufacturers: N/A<br>Description: IC MCU 16BIT 55KB FLASH 64LQFP<br>In stock: 5679 pcs<br><div>RFQ</div>    |
|  | <b>MSP430F167IPMR</b><br>Manufacturers: N/A<br>Description: IC MCU 16BIT 32KB FLASH 64LQFP<br>In stock: 13127 pcs<br><div>RFQ</div>   |  | <b>MSP430F1611IRTDTR</b><br>Manufacturers: N/A<br>Description: IC MCU 16BIT 48KB FLASH 64VQFN<br>In stock: 8707 pcs<br><div>RFQ</div> |
|  | <b>MSP430F168IPM</b><br>Manufacturers: N/A<br>Description: IC MCU 16BIT 48KB FLASH 64LQFP<br>In stock: 6498 pcs<br><div>RFQ</div>     |  | <b>MSP430F1612IPMR</b><br>Manufacturers: N/A<br>Description: IC MCU 16BIT 55KB FLASH 64LQFP<br>In stock: 8810 pcs<br><div>RFQ</div>   |
|  | <b>MSP430F167IPM</b><br>Manufacturers: N/A<br>Description: IC MCU 16BIT 32KB FLASH 64LQFP<br>In stock: 7535 pcs<br><div>RFQ</div>     |  | <b>MSP430F1612IRTDTR</b><br>Manufacturers: N/A<br>Description: IC MCU 16BIT 55KB FLASH 64VQFN<br>In stock: 9126 pcs<br><div>RFQ</div> |
|  | <b>MSP430F167IRTDTR</b><br>Manufacturers: N/A<br>Description: IC MCU 16BIT 32KB FLASH 64VQFN<br>In stock: 11527 pcs<br><div>RFQ</div> |  | <b>MSP430F168IPMR</b><br>Manufacturers: N/A<br>Description: IC MCU 16BIT 48KB FLASH 64LQFP<br>In stock: 10974 pcs<br><div>RFQ</div>   |