

MSP430F149IRTD RG4



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Part Number: [MSP430F149IRTD RG4](#)

Manufacturer: [N/A](#)

Description: [IC MCU 16BIT 60KB FLASH 64VQFN](#)

Data sheet:

RoHS Status: [Lead free / RoHS Compliant](#)

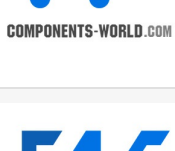
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                            |                                 |                            |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|---------------------------------|----------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                    | MSP430F149IRTD RG4                                                                         | Manufacturer                    | N/A                        |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                    | IC MCU 16BIT 60KB FLASH 64VQFN                                                             | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                             | 17591 pcs                                                                                  | Data sheet                      |                            |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                       | <a href="#">Integrated Circuits (ICs)</a>                                                  | Voltage - Supply (Vcc/Vdd)      | 1.8 V ~ 3.6 V              |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                        | 64-VQFN (9x9)                                                                              | Speed                           | 8MHz                       |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                         | MSP430x1xx                                                                                 | RAM Size                        | 2K x 8                     |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                            | FLASH                                                                                      | Program Memory Size             | 60KB (60K x 8 + 256B)      |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                    | POR, PWM, WDT                                                                              | Packaging                       | Tape & Reel (TR)           |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                 | 64-VFQFN Exposed Pad                                                                       | Oscillator Type                 | Internal                   |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                          | -40°C ~ 85°C (TA)                                                                          | Number of I/O                   | 48                         |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                               | 3 (168 Hours)                                                                              | Manufacturer Standard Lead Time | 20 Weeks                   |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                 | Lead free / RoHS Compliant                                                                 | EEPROM Size                     | -                          |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                           | MSP430 MSP430x1xx Microcontroller IC 16-Bit 8MHz 60KB (60K x 8 + 256B) FLASH 64-VQFN (9x9) | Data Converters                 | A/D 8x12b                  |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                      | 16-Bit                                                                                     | Core Processor                  | MSP430                     |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                   | SPI, UART/USART                                                                            |                                 |                            |
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|  | Part#: <a href="#">MSP430F156IRTD R</a><br>Description: <a href="#">IC MCU 16BIT 24KB FLASH 64VQFN</a>   | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
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