

MSP430F5509IRGZT



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Part Number: [MSP430F5509IRGZT](#)

Manufacturer: [N/A](#)

Description: [IC MCU 16BIT 24KB FLASH 48VQFN](#)

Data sheet:

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

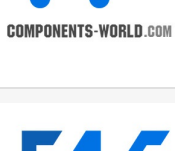
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                      |                                 |                            |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------|----------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                  | MSP430F5509IRGZT                                                                     | Manufacturer                    | N/A                        |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                  | IC MCU 16BIT 24KB FLASH 48VQFN                                                       | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                           | 30692 pcs                                                                            | Data sheet                      |                            |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                     | <a href="#">Integrated Circuits (ICs)</a>                                            | Voltage - Supply (Vcc/Vdd)      | 1.8 V ~ 3.6 V              |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                      | 48-VQFN (7x7)                                                                        | Speed                           | 25MHz                      |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                       | MSP430F5xx                                                                           | RAM Size                        | 6K x 8                     |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                          | FLASH                                                                                | Program Memory Size             | 24KB (24K x 8)             |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                  | Brown-out Detect/Reset, DMA, POR, PWM, WDT                                           | Packaging                       | Tape & Reel (TR)           |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                               | 48-VFQFN Exposed Pad                                                                 | Oscillator Type                 | Internal                   |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                        | -40°C ~ 85°C (TA)                                                                    | Number of I/O                   | 31                         |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                             | 3 (168 Hours)                                                                        | Manufacturer Standard Lead Time | 12 Weeks                   |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                               | Lead free / RoHS Compliant                                                           | EEPROM Size                     | -                          |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                         | CPUXV2 MSP430F5xx Microcontroller IC 16-Bit 25MHz 24KB (24K x 8) FLASH 48-VQFN (7x7) | Data Converters                 | A/D 8x10b                  |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                    | 16-Bit                                                                               | Core Processor                  | CPUXV2                     |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                 | I <sup>2</sup> C, IrDA, LINbus, SCI, SPI, UART/USART, USB                            | Base Part Number                | MSP430F5509                |
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|  | Part#: <a href="#">MSP430F5510IRGCR</a><br>Description: <a href="#">IC MCU 16BIT 32KB FLASH 64VQFN</a> | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MSP430F5508IZQER</a><br>Description: <a href="#">IC MCU 16BIT 16KB FLASH 80BGA</a>  | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MSP430F5509IPTR</a><br>Description: <a href="#">IC MCU 16BIT 24KB FLASH 48LQFP</a>  | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MSP430F5509IZQER</a><br>Description: <a href="#">IC MCU 16BIT 24KB FLASH 80BGA</a>  | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MSP430F5508IRGZT</a><br>Description: <a href="#">IC MCU 16BIT 16KB FLASH 48VQFN</a> | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
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