

MSP430G2131IRSA16T



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Part Number: [MSP430G2131IRSA16T](#)

Manufacturer: [N/A](#)

Description: [IC MCU 16BIT 1KB FLASH 16QFN](#)

Data sheet:

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

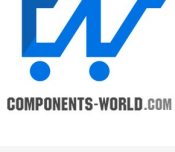
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                   |                                 |                            |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------|----------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                    | MSP430G2131IRSA16T                                                                | Manufacturer                    | N/A                        |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                    | IC MCU 16BIT 1KB FLASH 16QFN                                                      | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                             | 65256 pcs                                                                         | Data sheet                      |                            |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                       | <a href="#">Integrated Circuits (ICs)</a>                                         | Voltage - Supply (Vcc/Vdd)      | 1.8 V ~ 3.6 V              |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                        | 16-QFN (4x4)                                                                      | Speed                           | 16MHz                      |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                         | MSP430G2xx                                                                        | RAM Size                        | 128 x 8                    |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                            | FLASH                                                                             | Program Memory Size             | 1KB (1K x 8)               |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                    | Brown-out Detect/Reset, POR, PWM, WDT                                             | Packaging                       | Tape & Reel (TR)           |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                 | 16-VQFN Exposed Pad                                                               | 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 | 10 Weeks                   |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                 | Lead free / RoHS Compliant                                                        | EEPROM Size                     | -                          |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                           | MSP430 MSP430G2xx Microcontroller IC 16-Bit 16MHz 1KB (1K x 8) FLASH 16-QFN (4x4) | Data Converters                 | A/D 8x10b                  |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                      | 16-Bit                                                                            | Core Processor                  | MSP430                     |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                   | I <sup>2</sup> C, SPI                                                             | Base Part Number                | MSP430G2131                |
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| RELATED PRODUCTS                                                                   |                                                                                                         |                                    |                |
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|  | Part#: <a href="#">MSP430G2121IRSA16T</a><br>Description: <a href="#">IC MCU 16BIT 1KB FLASH 16QFN</a>  | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MSP430G2121IPW14R</a><br>Description: <a href="#">IC MCU 16BIT 1KB FLASH 14TSSOP</a> | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MSP430G2132IPW20R</a><br>Description: <a href="#">IC MCU 16BIT 1KB FLASH 20TSSOP</a> | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MSP430G2121IPW4Q1</a><br>Description: <a href="#">IC MCU 16BIT 1KB FLASH 14TSSOP</a> | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MSP430G2121IRSA16R</a><br>Description: <a href="#">IC MCU 16BIT 1KB FLASH 16QFN</a>  | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MSP430G2152IN20</a><br>Description: <a href="#">IC MCU 16BIT 1KB FLASH 20DIP</a>     | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MSP430G2131IPW14R</a><br>Description: <a href="#">IC MCU 16BIT 1KB FLASH 14TSSOP</a> | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MSP430G2131IPW4Q1</a><br>Description: <a href="#">IC MCU 16BIT 1KB FLASH 14TSSOP</a> | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MSP430G2152IPW14</a><br>Description: <a href="#">IC MCU 16BIT 1KB FLASH 14TSSOP</a>  | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MSP430G2132IPW20</a><br>Description: <a href="#">IC MCU 16BIT 1KB FLASH 20TSSOP</a>  | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MSP430G2132IN20</a><br>Description: <a href="#">IC MCU 16BIT 1KB FLASH 20DIP</a>     | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MSP430G2132IRSA16R</a><br>Description: <a href="#">IC MCU 16BIT 1KB FLASH 16QFN</a>  | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |

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