

MSP430FR2310IRGYR



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Part Number: [MSP430FR2310IRGYR](#)

Manufacturer: [N/A](#)

Description: [IC MCU 16BIT 3.75KB FRAM 16VQFN](#)

Data sheet:

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

Ship From: [Hong Kong](#)

Shipment Way: [DHL/Fedex/TNT/UPS/EMS](#)

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                             |                                 |                            |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------------------------------|----------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                   | MSP430FR2310IRGYR                                                                           | Manufacturer                    | N/A                        |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                   | IC MCU 16BIT 3.75KB FRAM 16VQFN                                                             | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                            | 82102 pcs                                                                                   | Data sheet                      |                            |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                      | <a href="#">Integrated Circuits (ICs)</a>                                                   | Voltage - Supply (Vcc/Vdd)      | 1.8 V ~ 3.6 V              |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                       | 16-VQFN (4x3.5)                                                                             | Speed                           | 16MHz                      |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                        | MSP430™ FRAM                                                                                | RAM Size                        | 1K x 8                     |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                           | FRAM                                                                                        | Program Memory Size             | 3.75KB (3.75K x 8)         |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                   | Brown-out Detect/Reset, POR, PWM, WDT                                                       | Packaging                       | Tape & Reel (TR)           |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                | 16-VFQFN Exposed Pad                                                                        | Oscillator Type                 | Internal                   |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                         | -40°C ~ 85°C (TA)                                                                           | Number of I/O                   | 12                         |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                              | 1 (Unlimited)                                                                               | Manufacturer Standard Lead Time | 12 Weeks                   |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                | Lead free / RoHS Compliant                                                                  | EEPROM Size                     | -                          |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                          | MSP430 MSP430™ FRAM Microcontroller IC 16-Bit 16MHz 3.75KB (3.75K x 8) FRAM 16-VQFN (4x3.5) | Data Converters                 | A/D 8x10b                  |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                     | 16-Bit                                                                                      | Core Processor                  | MSP430                     |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                  | PC, IrDA, SCI, SPI, UART/USART                                                              |                                 |                            |
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| RELATED PRODUCTS                                                                   |                                                                                                            |                                    |                |
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|  | Part#: <a href="#">MSP430FR2311IPW16</a><br>Description: <a href="#">IC MCU 16BIT 3.75KB FRAM 16TSSOP</a>  | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MSP430FR2310IPW20</a><br>Description: <a href="#">IC MCU 16BIT 3.75KB FRAM 20TSSOP</a>  | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MSP430FR2355TDBT</a><br>Description: <a href="#">MICROCONTROLLER</a>                    | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MSP430FR2111IPW16R</a><br>Description: <a href="#">IC MCU 16BIT 3.75KB FRAM 16TSSOP</a> | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MSP430FR2311IRGYR</a><br>Description: <a href="#">IC MCU 16BIT 3.75KB FRAM 16VQFN</a>   | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MSP430FR2111IRLLR</a><br>Description: <a href="#">IC MCU 16BIT 3.75KB FRAM 24VQFN</a>   | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MSP430FR2311IRGYT</a><br>Description: <a href="#">IC MCU 16BIT 15.5KB FRAM 16VQFN</a>   | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MSP430FR2310IPW16R</a><br>Description: <a href="#">IC MCU 16BIT 3.75KB FRAM 16TSSOP</a> | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MSP430FR2311IPW20R</a><br>Description: <a href="#">IC MCU 16BIT 3.75KB FRAM 20TSSOP</a> | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MSP430FR2110IRLLR</a><br>Description: <a href="#">IC MCU 16BIT 2KB FRAM 24VQFN</a>      | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MSP430FR2311IPW16R</a><br>Description: <a href="#">IC MCU 16BIT 3.75KB FRAM 16TSSOP</a> | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MSP430FR2355TPT</a><br>Description: <a href="#">MICROCONTROLLER</a>                     | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MSP430FR2111IRLLT</a><br>Description: <a href="#">IC MCU 16BIT 3.75KB FRAM 24VQFN</a>   | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MSP430FR2310IRGYT</a><br>Description: <a href="#">IC MCU 16BIT 3.75KB FRAM 16VQFN</a>   | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MSP430FR2110IRLLT</a><br>Description: <a href="#">IC MCU 16BIT 2KB FRAM 24VQFN</a>      | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MSP430FR2310IPW16</a><br>Description: <a href="#">IC MCU 16BIT 3.75KB FRAM 16TSSOP</a>  | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MSP430FR2355TDBTR</a><br>Description: <a href="#">MICROCONTROLLER</a>                   | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MSP430FR2111IPW16</a><br>Description: <a href="#">IC MCU 16BIT 3.75KB FRAM 16TSSOP</a>  | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |

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