

MSP430FR69721IRGCR



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Part Number: [MSP430FR69721IRGCR](#)

Manufacturer: [N/A](#)

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

Data sheet:

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

Ship From: [Hong Kong](#)

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                       |                                 |                            |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------|----------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                    | MSP430FR69721IRGCR                                                                    | Manufacturer                    | N/A                        |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                    | IC MCU 16BIT 64KB FRAM 64VQFN                                                         | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                             | 33476 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                           | 16MHz                      |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                         | MSP430™ FRAM                                                                          | RAM Size                        | 2K x 8                     |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                            | FRAM                                                                                  | Program Memory Size             | 64KB (64K x 8)             |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                    | Brown-out Detect/Reset, DMA, LCD, 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                   | 51                         |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                               | 3 (168 Hours)                                                                         | Manufacturer Standard Lead Time | 10 Weeks                   |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                 | Lead free / RoHS Compliant                                                            | EEPROM Size                     | -                          |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                           | CPUXV2 MSP430™ FRAM Microcontroller IC 16-Bit 16MHz 64KB (64K x 8) FRAM 64-VQFN (9x9) | Data Converters                 | A/D 8x12b                  |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                      | 16-Bit                                                                                | Core Processor                  | CPUXV2                     |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                   | I²C, IrDA, SCI, SPI, UART/USART                                                       |                                 |                            |
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| RELATED PRODUCTS                                                                   |                                                                                                         |                                    |                |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|------------------------------------|----------------|
|  | Part#: <a href="#">MSP430FR6972IRGCR</a><br>Description: <a href="#">IC MCU 16BIT 64KB FRAM 64VQFN</a>  | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MSP430FR6972IRGCT</a><br>Description: <a href="#">IC MCU 16BIT 64KB FRAM 64VQFN</a>  | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MSP430FR6927IRGCR</a><br>Description: <a href="#">IC MCU 16BIT 64KB FRAM 64VQFN</a>  | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MSP430FR6977IPZ</a><br>Description: <a href="#">IC MCU 16BIT 64KB FRAM 100LQFP</a>   | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MSP430FR6977IPNR</a><br>Description: <a href="#">IC MCU 16BIT 64KB FRAM 80LQFP</a>   | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MSP430FR6977IPN</a><br>Description: <a href="#">IC MCU 16BIT 64KB FRAM 80LQFP</a>    | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MSP430FR6927IPMR</a><br>Description: <a href="#">IC MCU 16BIT 64KB FRAM 64LQFP</a>   | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MSP430FR69791IPN</a><br>Description: <a href="#">IC MCU 16BIT 128KB FRAM 80LQFP</a>  | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MSP430FR69721IPMR</a><br>Description: <a href="#">IC MCU 16BIT 64KB FRAM 64LQFP</a>  | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MSP430FR6927IPM</a><br>Description: <a href="#">IC MCU 16BIT 64KB FRAM 64LQFP</a>    | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MSP430FR6972IPMR</a><br>Description: <a href="#">IC MCU 16BIT 64KB FRAM 64LQFP</a>   | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MSP430FR6972IPM</a><br>Description: <a href="#">IC MCU 16BIT 64KB FRAM 64LQFP</a>    | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MSP430FR6970IPMR</a><br>Description: <a href="#">IC MCU 16BIT 32KB FRAM 64LQFP</a>   | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MSP430FR6977IPZR</a><br>Description: <a href="#">IC MCU 16BIT 64KB FRAM 100LQFP</a>  | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MSP430FR6970IRGCR</a><br>Description: <a href="#">IC MCU 16BIT 32KB FRAM 64VQFN</a>  | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MSP430FR6927IRGCT</a><br>Description: <a href="#">IC MCU 16BIT 64KB FRAM 64VQFN</a>  | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MSP430FR69721IRGCT</a><br>Description: <a href="#">IC MCU 16BIT 64KB FRAM 64VQFN</a> | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MSP430FR69721IPM</a><br>Description: <a href="#">IC MCU 16BIT 64KB FRAM 64LQFP</a>   | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MSP430FR6928IPMR</a><br>Description: <a href="#">IC MCU 16BIT 96KB FRAM 64LQFP</a>   | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MSP430FR6928IPM</a><br>Description: <a href="#">IC MCU 16BIT 96KB FRAM 64LQFP</a>    | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |

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