

MSP430FR5738IRGET



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Part Number: [MSP430FR5738IRGET](#)

Manufacturer: [N/A](#)

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

Data sheet:

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

Ship From: [Hong Kong](#)

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                             |                                           |                                  |                                                                                       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------|---------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                   | MSP430FR5738IRGET                         | Manufacturer                     | N/A                                                                                   |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                   | IC MCU 16BIT 16KB FRAM 24VQFN             | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                            |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                            | 63745 pcs                                 | Data sheet                       |                                                                                       |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                      | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)       | 2 V ~ 3.6 V                                                                           |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                       | 24-VQFN (4x4)                             | Speed                            | 24MHz                                                                                 |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                        | MSP430™ FRAM                              | RAM Size                         | 1K x 8                                                                                |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                           | FRAM                                      | Program Memory Size              | 16KB (16K x 8)                                                                        |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                   | Brown-out Detect/Reset, POR, PWM, WDT     | Packaging                        | Tape & Reel (TR)                                                                      |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                | 24-VFQFN Exposed Pad                      | Other Names                      | 296-30274-2                                                                           |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                               | Internal                                  | Operating Temperature            | -40°C ~ 85°C (TA)                                                                     |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                 | 17                                        | Moisture Sensitivity Level (MSL) | 2 (1 Year)                                                                            |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                               | 8 Weeks                                   | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                            |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                   | -                                         | Detailed Description             | CPUXV2 MSP430™ FRAM Microcontroller IC 16-Bit 24MHz 16KB (16K x 8) FRAM 24-VQFN (4x4) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                               | A/D 8x10b                                 | Core Size                        | 16-Bit                                                                                |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                | CPUXV2                                    | Connectivity                     | I²C, IrDA, LINbus, SCI, SPI, UART/USART                                               |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                              | MSP430FR5738                              |                                  |                                                                                       |
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|  | Part#: <a href="#">MSP430FR5738IYQDT</a><br>Description: <a href="#">IC MCU 16BIT 16KB FRAM 24DSBGA</a> | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MSP430FR5736IPWR</a><br>Description: <a href="#">IC MCU 16BIT 16KB FRAM 28TSSOP</a>  | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MSP430FR5847IDA</a><br>Description: <a href="#">IC MCU 16BIT 32KB FRAM 38TSSOP</a>   | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MSP430FR5738IPWR</a><br>Description: <a href="#">IC MCU 16BIT 16KB FRAM 28TSSOP</a>  | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
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