

MSP430FR5948IDA



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Part Number: [MSP430FR5948IDA](#)

Manufacturer: N/A

Description: IC MCU 16BIT 48KB FRAM 38TSSOP

Data sheet:

RoHs Status: Lead free / RoHS Compliant

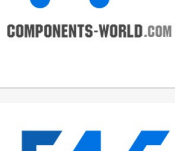
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                  |                                 |                            |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|---------------------------------|----------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                 | MSP430FR5948IDA                                                                  | Manufacturer                    | N/A                        |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                 | IC MCU 16BIT 48KB FRAM 38TSSOP                                                   | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                          | 31330 pcs                                                                        | Data sheet                      |                            |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                    | <a href="#">Integrated Circuits (ICs)</a>                                        | Voltage - Supply (Vcc/Vdd)      | 1.8 V ~ 3.6 V              |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                     | 38-TSSOP                                                                         | Speed                           | 16MHz                      |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                      | MSP430™ FRAM                                                                     | RAM Size                        | 2K x 8                     |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                         | FRAM                                                                             | Program Memory Size             | 48KB (48K x 8)             |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                 | Brown-out Detect/Reset, DMA, POR, PWM, WDT                                       | Packaging                       | Tube                       |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                              | 38-TSSOP (0.240", 6.10mm Width)                                                  | 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 | 6 Weeks                    |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                              | Lead free / RoHS Compliant                                                       | EEPROM Size                     | -                          |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                        | CPUXV2 MSP430™ FRAM Microcontroller IC 16-Bit 16MHz 48KB (48K x 8) FRAM 38-TSSOP | Data Converters                 | A/D 12x12b                 |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                   | 16-Bit                                                                           | Core Processor                  | CPUXV2                     |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                | I²C, IrDA, SCI, SPI, UART/USART                                                  |                                 |                            |
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|  | Part#: <a href="#">MSP430FR5948IRHAT</a><br>Description: IC MCU 16BIT 48KB FRAM 40VQFN  | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MSP430FR5949IDA</a><br>Description: IC MCU 16BIT 64KB FRAM 38TSSOP   | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MSP430FR5922IRGCR</a><br>Description: IC MCU 16BIT 64KB FRAM 64VQFN  | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MSP430FR5949IDAR</a><br>Description: IC MCU 16BIT 64KB FRAM 38TSSOP  | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MSP430FR5948IDAR</a><br>Description: IC MCU 16BIT 48KB FRAM 38TSSOP  | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MSP430FR5947IRHAT</a><br>Description: IC MCU 16BIT 32KB FRAM 40VQFN  | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MSP430FR5922IPM</a><br>Description: IC MCU 16BIT 64KB FRAM 64LQFP    | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MSP430FR5922IPMR</a><br>Description: IC MCU 16BIT 64KB FRAM 64LQFP   | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MSP430FR5949IRHAR</a><br>Description: IC MCU 16BIT 64KB FRAM 40VQFN  | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |

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