

MSP430FR5949IDAR



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Part Number: [MSP430FR5949IDAR](#)

Manufacturer: [N/A](#)

Description: [IC MCU 16BIT 64KB FRAM 38TSSOP](#)

Data sheet:

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

Ship From: [Hong Kong](#)

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                            |                                            |                                  |                                                                                  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|----------------------------------|----------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                  | MSP430FR5949IDAR                           | Manufacturer                     | N/A                                                                              |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                  | IC MCU 16BIT 64KB FRAM 38TSSOP             | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                       |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                           | 43177 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              | 64KB (64K x 8)                                                                   |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                  | Brown-out Detect/Reset, DMA, POR, PWM, WDT | Packaging                        | Cut Tape (CT)                                                                    |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                               | 38-TSSOP (0.240", 6.10mm Width)            | Other Names                      | 296-40420-1                                                                      |
| 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                                                                                                                                                                                                                                                                                                                                                                                              | 8 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 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="#">MSP430FR5948IDAR</a><br>Description: <a href="#">IC MCU 16BIT 48KB FRAM 38TSSOP</a>  | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MSP430FR5948IRHAT</a><br>Description: <a href="#">IC MCU 16BIT 48KB FRAM 40VQFN</a>  | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MSP430FR5947IDA</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="#">MSP430FR5949IDA</a><br>Description: <a href="#">IC MCU 16BIT 64KB FRAM 38TSSOP</a>   | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
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