

MSP430FR5970IPMR



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Part Number: [MSP430FR5970IPMR](#)

Manufacturer: N/A

Description: IC MCU 16BIT 32KB FRAM 64LQFP

Data sheet:

RoHs Status: Lead free / RoHS Compliant

Ship From: Hong Kong

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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                            |                                            |                                  |                                                                                         |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|----------------------------------|-----------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                  | MSP430FR5970IPMR                           | Manufacturer                     | N/A                                                                                     |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                  | IC MCU 16BIT 32KB FRAM 64LQFP              | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                              |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                           | 44628 pcs                                  | Data sheet                       |                                                                                         |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                     | <a href="#">Integrated Circuits (ICs)</a>  | Voltage - Supply (Vcc/Vdd)       | 1.8 V ~ 3.6 V                                                                           |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                      | 64-LQFP (10x10)                            | Speed                            | 16MHz                                                                                   |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                       | MSP430™ FRAM                               | RAM Size                         | 2K x 8                                                                                  |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                          | FRAM                                       | Program Memory Size              | 32KB (32K x 8)                                                                          |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                  | Brown-out Detect/Reset, DMA, POR, PWM, WDT | Packaging                        | Tape & Reel (TR)                                                                        |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                               | 64-LQFP                                    | Other Names                      | 296-42256-2                                                                             |
| 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                                                                                                                                                                                                                                                                                                                                                                                              | 26 Weeks                                   | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                              |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                  | -                                          | Detailed Description             | CPUXV2 MSP430™ FRAM Microcontroller IC 16-Bit 16MHz 32KB (32K x 8) FRAM 64-LQFP (10x10) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                              | A/D 8x12b                                  | Core Size                        | 16-Bit                                                                                  |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                               | CPUXV2                                     | Connectivity                     | IC, IrDA, SCI, SPI, UART/USART                                                          |
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|  | Part#: <a href="#">MSP430FR5967IRGZT</a><br>Description: IC MCU 16BIT 32KB FRAM 48VQFN   | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MSP430FR5968IRGZT</a><br>Description: IC MCU 16BIT 48KB FRAM 48VQFN   | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MSP430FR59721IRGCR</a><br>Description: IC MCU 16BIT 64KB FRAM 64VQFN  | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MSP430FR5969IRGZT</a><br>Description: IC MCU 16BIT 64KB FRAM 48VQFN   | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MSP430FR5969IRGZR</a><br>Description: IC MCU 16BIT 64KB FRAM 48VQFN   | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MSP430FR5968IRGZR</a><br>Description: IC MCU 16BIT 48KB FRAM 48VQFN   | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MSP430FR5967IRGZR</a><br>Description: IC MCU 16BIT 32KB FRAM 48VQFN   | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MSP430FR5986IPM</a><br>Description: IC MCU 16BIT 48KB FRAM 64LQFP     | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MSP430FR59721IPMR</a><br>Description: IC MCU 16BIT 64KB FRAM 64LQFP   | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
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