


N/A

**MSP430FR5964IPMR**

|                      |  |
|----------------------|--|
| Part Number:         | MSP430FR5964IPMR   |
| Manufacturer/Brand:  | N/A  |
| Product description: | IC MCU 16BIT 256KB FRAM 64LQFP   |
| Datasheets:          |  |
| RoHS Status:         |  Lead free / RoHS Compliant |
| Ship From:           | Hong Kong  |
| Shipment Way:        | DHL/Fedex/TNT/UPS/EMS  |

[REQUEST FOR QUOTATION](#)

Image may be representation. See specifications for product details.


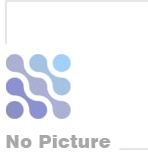
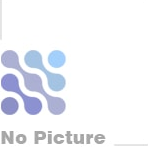
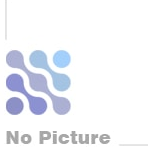

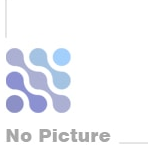
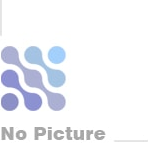
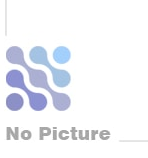
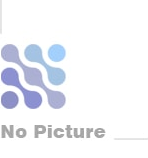
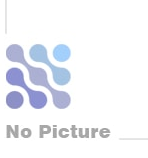

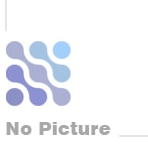
**Specifications of MSP430FR5964IPMR**

|                                  |   |
|----------------------------------|---|
| PART NUMBER                      | MSP430FR5964IPMR  |
| MANUFACTURER                     | N/A   |
| DESCRIPTION                      | IC MCU 16BIT 256KB FRAM 64LQFP  |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant  |
| DATA SHEET                       |   |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.8 V ~ 3.6 V   |
| SUPPLIER DEVICE PACKAGE          | 64-LQFP (10x10)   |
| SPEED                            | 16MHz   |
| SERIES                           | MSP430™ FRAM  |
| RAM SIZE                         | 8K x 8  |
| PROGRAM MEMORY TYPE              | FRAM  |
| PROGRAM MEMORY SIZE              | 256KB (256K x 8)  |
| PERIPHERALS                      | Brown-out Detect/Reset, DMA, POR, PWM, WDT  |
| PACKAGING                        | Tape & Reel (TR)  |
| PACKAGE / CASE                   | 64-LQFP   |
| OSCILLATOR TYPE                  | Internal/External   |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)   |
| NUMBER OF I/O                    | 54  |
| 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 256KB (256K x 8) FRAM 64-LQFP (10x10) |
| DATA CONVERTERS                  | A/D 17x12b  |
| CORE SIZE                        | 16-Bit  |
| CORE PROCESSOR                   | CPUXV2  |
| CONNECTIVITY                     | I <sup>2</sup> C, IrDA, SPI, UART/USART   |

**Related Tags**

|  |   |  |
|--|---|--|
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| <a href="#">MSP430FR5964IPMR Price</a>         | <a href="#">MSP430FR5964IPMR Pictures</a>           | <a href="#">MSP430FR5964IPMR Image</a>     |
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| <a href="#">MSP430FR5964IPMR</a>               | <a href="#">Supplier</a>                            | <a href="#">Distributor</a>                |

**Related Products**

|   |  |
|---|--|
|  <p><b>MSP430FR5964IRGZR</b><br/>Manufacturers: N/A<br/>Description: IC MCU 16BIT 256KB FRAM 48VQFN<br/>In stock: 26873 pcs</p> <p><a href="#">RFQ</a></p>  |  <p><b>MSP430FR5962IPNR</b><br/>Manufacturers: N/A<br/>Description: IC MCU 16BIT 128KB FRAM 80LQFP<br/>In stock: 23216 pcs</p> <p><a href="#">RFQ</a></p>   |
|  <p><b>MSP430FR5968IRGZR</b><br/>Manufacturers: N/A<br/>Description: IC MCU 16BIT 48KB FRAM 48VQFN<br/>In stock: 45006 pcs</p> <p><a href="#">RFQ</a></p>   |  <p><b>MSP430FR5959IRHAT</b><br/>Manufacturers: N/A<br/>Description: IC MCU 16BIT 64KB FRAM 40VQFN<br/>In stock: 27064 pcs</p> <p><a href="#">RFQ</a></p>   |
|  <p><b>MSP430FR5967IRGZR</b><br/>Manufacturers: N/A<br/>Description: IC MCU 16BIT 32KB FRAM 48VQFN<br/>In stock: 50156 pcs</p> <p><a href="#">RFQ</a></p>   |  <p><b>MSP430FR5967IRGZT</b><br/>Manufacturers: N/A<br/>Description: IC MCU 16BIT 32KB FRAM 48VQFN<br/>In stock: 30931 pcs</p> <p><a href="#">RFQ</a></p>   |
|  <p><b>MSP430FR5962IPMR</b><br/>Manufacturers: N/A<br/>Description: IC MCU 16BIT 128KB FRAM 64LQFP<br/>In stock: 29368 pcs</p> <p><a href="#">RFQ</a></p>   |  <p><b>MSP430FR5962IZVWR</b><br/>Manufacturers: N/A<br/>Description: IC MCU 16BIT 128KB FRAM 87NFBGA<br/>In stock: 31909 pcs</p> <p><a href="#">RFQ</a></p> |
|  <p><b>MSP430FR5962IRGZR</b><br/>Manufacturers: N/A<br/>Description: IC MCU 16BIT 128KB FRAM 48VQFN<br/>In stock: 26680 pcs</p> <p><a href="#">RFQ</a></p>  |  <p><b>MSP430FR5959IRHAR</b><br/>Manufacturers: N/A<br/>Description: IC MCU 16BIT 64KB FRAM 40VQFN<br/>In stock: 34330 pcs</p> <p><a href="#">RFQ</a></p>   |
|  <p><b>MSP430FR5964IZVWR</b><br/>Manufacturers: N/A<br/>Description: IC MCU 16BIT 256KB FRAM 87NFBGA<br/>In stock: 20679 pcs</p> <p><a href="#">RFQ</a></p> |  <p><b>MSP430FR5964IPNR</b><br/>Manufacturers: N/A<br/>Description: IC MCU 16BIT 256KB FRAM 80LQFP<br/>In stock: 23946 pcs</p> <p><a href="#">RFQ</a></p>   |