

MSP430FR2000IPW16R



Part Number: [MSP430FR2000IPW16R](#)

Manufacturer: N/A

Description: ULTRA LOW POWER MICRO CONTROLLER

Data sheet:

RoHs Status: Lead free / RoHS Compliant

Ship From: Hong Kong

Shipment Way: DHL/Fedex/TNT/UPS/EMS

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                  |                                 |                            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|---------------------------------|----------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                     | MSP430FR2000IPW16R                                                               | Manufacturer                    | N/A                        |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                     | ULTRA LOW POWER MICRO CONTROLLER                                                 | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                              | 164141 pcs                                                                       | Data sheet                      |                            |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                        | <a href="#">Integrated Circuits (ICs)</a>                                        | Voltage - Supply (Vcc/Vdd)      | 1.8 V ~ 3.6 V              |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                         | 16-TSSOP                                                                         | Speed                           | 16MHz                      |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                          | MSP430™ FRAM                                                                     | RAM Size                        | 512 x 8                    |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                             | FRAM                                                                             | Program Memory Size             | 512B (512 x 8)             |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                     | Brown-out Detect/Reset, POR, PWM, WDT                                            | Packaging                       | Tape & Reel (TR)           |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                  | 16-TSSOP (0.173", 4.40mm Width)                                                  | Oscillator Type                 | Internal                   |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                           | -40°C ~ 85°C (TA)                                                                | Number of I/O                   | 12                         |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                | 2 (1 Year)                                                                       | Manufacturer Standard Lead Time | 12 Weeks                   |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                  | Lead free / RoHS Compliant                                                       | EEPROM Size                     | -                          |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                            | MSP430 MSP430™ FRAM Microcontroller IC 16-Bit 16MHz 512B (512 x 8) FRAM 16-TSSOP | Data Converters                 | -                          |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                       | 16-Bit                                                                           | Core Processor                  | MSP430                     |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                    | IrDA, SCI, SPI, UART/USART                                                       |                                 |                            |
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| RELATED PRODUCTS                                                                   |                                                                                           |                                    |                |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|------------------------------------|----------------|
|  | Part#: <a href="#">MSP430FR2032IG48</a><br>Description: IC MCU 16BIT 8.5KB FRAM 48TSSOP   | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MSP430FR2032IG56</a><br>Description: IC MCU 16BIT 8.5KB FRAM 56TSSOP   | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MSP430FR2032IG56R</a><br>Description: IC MCU 16BIT 8.5KB FRAM 56TSSOP  | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MSP430FR2032IPMR</a><br>Description: IC MCU 16BIT 8.5KB FRAM 64LQFP    | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MSP430FG6625IZQWR</a><br>Description: IC MCU 16BIT 64KB FLASH 113BGA   | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MSP430FR2033IG48R</a><br>Description: IC MCU 16BIT 15.5KB FRAM 48TSSOP | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MSP430FG6426IZQWR</a><br>Description: IC MCU 16BIT 128KB FLASH 113BGA  | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MSP430FR2000IRLLR</a><br>Description: ULTRA LOW POWER MICRO CONTROLLER | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MSP430FR2000IRLLT</a><br>Description: 16 MHZ ULTRA-LOW-POWER MICROCONT | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MSP430FG6425IZQWR</a><br>Description: IC MCU 16BIT 64KB FLASH 113BGA   | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MSP430FG6626IZQWR</a><br>Description: IC MCU 16BIT 128KB FLASH 113BGA  | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MSP430FG6625IPZR</a><br>Description: IC MCU 16BIT 64KB FLASH 100LQFP   | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MSP430FR2032IG48R</a><br>Description: IC MCU 16BIT 8.5KB FRAM 48TSSOP  | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MSP430FG6626IZQWT</a><br>Description: IC MCU 16BIT 128KB FLASH 113BGA  | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MSP430FR2033IG48</a><br>Description: IC MCU 16BIT 15.5KB FRAM 48TSSOP  | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MSP430FG6626IPZ</a><br>Description: IC MCU 16BIT 128KB FLASH 100LQFP   | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MSP430FR2000IPW16</a><br>Description: 16 MHZ ULTRA-LOW-POWER MICROCONT | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MSP430FG6626IPZR</a><br>Description: IC MCU 16BIT 128KB FLASH 100LQFP  | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MSP430FG6426IPZR</a><br>Description: IC MCU 16BIT 128KB FLASH 100LQFP  | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MSP430FR2033IG56</a><br>Description: IC MCU 16BIT 15.5KB FRAM 56TSSOP  | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |

Related keywords for **MSP430FR2000IPW16R**

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