

MSP430FR2433IYQWR



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Part Number: [MSP430FR2433IYQWR](#)

Manufacturer: [N/A](#)

Description: [ULTRA LOW POWER MICRO CONTROLLER](#)

Data sheet:

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

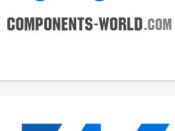
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                      |                                 |                            |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------|----------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                   | MSP430FR2433IYQWR                                                                    | Manufacturer                    | N/A                        |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                   | ULTRA LOW POWER MICRO CONTROLLER                                                     | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                            | 80204 pcs                                                                            | Data sheet                      |                            |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                      | <a href="#">Integrated Circuits (ICs)</a>                                            | Voltage - Supply (Vcc/Vdd)      | 1.8 V ~ 3.6 V              |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                       | 24-DSBGA                                                                             | Speed                           | 16MHz                      |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                        | MSP430™ FRAM                                                                         | RAM Size                        | 4K x 8                     |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                           | FRAM                                                                                 | Program Memory Size             | 15.5KB (15.5K x 8)         |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                   | Brown-out Detect/Reset, POR, PWM, WDT                                                | Packaging                       | Tape & Reel (TR)           |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                | 24-UFBGA                                                                             | Oscillator Type                 | Internal                   |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                         | -40°C ~ 85°C (TA)                                                                    | Number of I/O                   | 17                         |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                              | 1 (Unlimited)                                                                        | Manufacturer Standard Lead Time | 20 Weeks                   |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                | Lead free / RoHS Compliant                                                           | EEPROM Size                     | -                          |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                          | MSP430 MSP430™ FRAM Microcontroller IC 16-Bit 16MHz 15.5KB (15.5K x 8) FRAM 24-DSBGA | Data Converters                 | A/D 8x10b                  |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                     | 16-Bit                                                                               | Core Processor                  | MSP430                     |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                  | I <sup>2</sup> C, IrDA, SCI, SPI, UART/USART                                         |                                 |                            |
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|  | Part#: <a href="#">MSP430FR2532IRGER</a><br>Description: <a href="#">IC MCU 16BIT 8.5KB FRAM 24VQFN</a>    | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MSP430FR2355TPTR</a><br>Description: <a href="#">MICROCONTROLLER</a>                    | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MSP430FR2512IRHLR</a><br>Description: <a href="#">ULTRA LOW POWER MICRO CONTROLLER</a>  | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MSP430FR2355TRHAR</a><br>Description: <a href="#">MICROCONTROLLER</a>                   | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MSP430FR2512IPW16R</a><br>Description: <a href="#">ULTRA LOW POWER MICRO CONTROLLER</a> | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MSP430FR2422IRHLR</a><br>Description: <a href="#">ULTRA LOW POWER MICRO CONTROLLER</a>  | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MSP430FR2522IPW16</a><br>Description: <a href="#">MSP430 MCU WITH CAPTIVATE TECHNO</a>  | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MSP430FR2433IYQWT</a><br>Description: <a href="#">MSP430FR2433 16 MHZ ULTRA-LOW-PO</a>  | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MSP430FR2422IRHLT</a><br>Description: <a href="#">16 MHZ ULTRA-LOW-POWER MICROCONT</a>  | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MSP430FR2512IPW16</a><br>Description: <a href="#">MSP430 MCU WITH CAPTIVATE TECHNO</a>  | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MSP430FR2512IRHLT</a><br>Description: <a href="#">MSP430 MCU WITH CAPTIVATE TECHNO</a>  | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MSP430FR2355TRHAT</a><br>Description: <a href="#">MICROCONTROLLER</a>                   | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MSP430FR2522IRHLR</a><br>Description: <a href="#">ULTRA LOW POWER MICRO CONTROLLER</a>  | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MSP430FR2522IRHLT</a><br>Description: <a href="#">MSP430 MCU WITH CAPTIVATE TECHNO</a>  | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |

|                                               |                               |                            |                         |
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