

MSP430F6438IPZR



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Part Number: [MSP430F6438IPZR](#)

Manufacturer: [N/A](#)

Description: [IC MCU 16BIT 256KB FLASH 100LQFP](#)

Data sheet:

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

Ship From: [Hong Kong](#)

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                           |                                                 |                                  |                                                                                           |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|----------------------------------|-------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                 | MSP430F6438IPZR                                 | Manufacturer                     | N/A                                                                                       |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                 | IC MCU 16BIT 256KB FLASH 100LQFP                | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                          | 17705 pcs                                       | Data sheet                       |                                                                                           |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                    | <a href="#">Integrated Circuits (ICs)</a>       | Voltage - Supply (Vcc/Vdd)       | 1.8 V ~ 3.6 V                                                                             |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                     | 100-LQFP (14x14)                                | Speed                            | 20MHz                                                                                     |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                      | MSP430F6xx                                      | RAM Size                         | 18K x 8                                                                                   |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                         | FLASH                                           | Program Memory Size              | 256KB (256K x 8)                                                                          |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                 | Brown-out Detect/Reset, DMA, LCD, POR, PWM, WDT | Packaging                        | Tape & Reel (TR)                                                                          |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                              | 100-LQFP                                        | Other Names                      | 296-29853-2                                                                               |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                             | Internal                                        | Operating Temperature            | -40°C ~ 85°C (TA)                                                                         |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                               | 74                                              | 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 MSP430F6xx Microcontroller IC 16-Bit 20MHz 256KB (256K x 8) FLASH 100-LQFP (14x14) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                             | A/D 16x12b, D/A 2x12b                           | Core Size                        | 16-Bit                                                                                    |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                              | CPUXV2                                          | Connectivity                     | I <sup>2</sup> C, IrDA, LINbus, SCI, SPI, UART/USART                                      |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                            | MSP430F6438                                     |                                  |                                                                                           |
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|  | Part#: <a href="#">MSP430F6433IZQWR</a><br>Description: <a href="#">IC MCU 16BIT 128KB FLASH 113BGA</a> | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MSP430F6459IZQWR</a><br>Description: <a href="#">IC MCU 16BIT 512KB FLASH 113BGA</a> | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MSP430F6458IPZR</a><br>Description: <a href="#">IC MCU 16BIT 384KB FLASH 100LQFP</a> | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MSP430F6435IZQWR</a><br>Description: <a href="#">IC MCU 16BIT 256KB FLASH 113BGA</a> | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MSP430F6459IZQWT</a><br>Description: <a href="#">IC MCU 16BIT 512KB FLASH 113BGA</a> | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
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