

MSP430FG4616IZQW



Part Number: [MSP430FG4616IZQW](#)

Manufacturer: N/A

Description: IC MCU 16BIT 92KB FLASH 113BGA

Data sheet:

RoHs Status: Lead free / RoHS Compliant

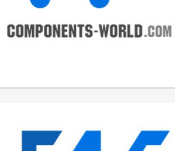
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                           |                                 |                            |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|---------------------------------|----------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                 | MSP430FG4616IZQW                                                                                          | Manufacturer                    | N/A                        |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                 | IC MCU 16BIT 92KB FLASH 113BGA                                                                            | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                          | 8338 pcs                                                                                                  | Data sheet                      |                            |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                    | <a href="#">Integrated Circuits (ICs)</a>                                                                 | Voltage - Supply (Vcc/Vdd)      | 1.8 V ~ 3.6 V              |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                     | 113-BGA Microstar Junior (7x7)                                                                            | Speed                           | 8MHz                       |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                      | MSP430x4xx                                                                                                | RAM Size                        | 4K x 8                     |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                         | FLASH                                                                                                     | Program Memory Size             | 92KB (92K x 8 + 256B)      |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                 | Brown-out Detect/Reset, DMA, LCD, POR, PWM, WDT                                                           | Packaging                       | Tray                       |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                              | 113-VFBGA                                                                                                 | Oscillator Type                 | Internal                   |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                       | -40°C ~ 85°C (TA)                                                                                         | Number of I/O                   | 80                         |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                            | 3 (168 Hours)                                                                                             | Manufacturer Standard Lead Time | 20 Weeks                   |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                              | Lead free / RoHS Compliant                                                                                | EEPROM Size                     | -                          |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                        | CPUX MSP430x4xx Microcontroller IC 16-Bit 8MHz 92KB (92K x 8 + 256B) FLASH 113-BGA Microstar Junior (7x7) | Data Converters                 | A/D 12x12b, D/A 2x12b      |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                   | 16-Bit                                                                                                    | Core Processor                  | CPUX                       |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                | PC, IrDA, LINbus, SCI, SPI, UART/USART                                                                    | Base Part Number                | MSP430FG4616               |
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| RELATED PRODUCTS                                                                   |                                                                                          |                                    |                     |
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|  | Part#: <a href="#">MSP430FG4618IPZR</a><br>Description: IC MCU 16BIT 116KB FLASH 100LQFP | Manufacturers: <a href="#">N/A</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MSP430FG4617IPZR</a><br>Description: IC MCU 16BIT 92KB FLASH 100LQFP  | Manufacturers: <a href="#">N/A</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MSP430FG4618IZQW</a><br>Description: IC MCU 16BIT 116KB FLASH 113BGA  | Manufacturers: <a href="#">N/A</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MSP430FG4617IZQWR</a><br>Description: IC MCU 16BIT 92KB FLASH 113BGA  | Manufacturers: <a href="#">N/A</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MSP430FG438IZCAR</a><br>Description: IC MCU 16BIT 48KB FLASH 113NFBGA | Manufacturers: <a href="#">N/A</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MSP430FG439IPNR</a><br>Description: IC MCU 16BIT 60KB FLASH 80LQFP    | Manufacturers: <a href="#">N/A</a> | <a href="#">RFQ</a> |
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|  | Part#: <a href="#">MSP430FG439IPN</a><br>Description: IC MCU 16BIT 60KB FLASH 80LQFP     | Manufacturers: <a href="#">N/A</a> | <a href="#">RFQ</a> |
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|  | Part#: <a href="#">MSP430FG439IZCAT</a><br>Description: IC MCU 16BIT 60KB FLASH 113NFBGA | Manufacturers: <a href="#">N/A</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MSP430FG438IPN</a><br>Description: IC MCU 16BIT 48KB FLASH 80LQFP     | Manufacturers: <a href="#">N/A</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MSP430FG439IZCAR</a><br>Description: IC MCU 16BIT 60KB FLASH 113NFBGA | Manufacturers: <a href="#">N/A</a> | <a href="#">RFQ</a> |
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|  | Part#: <a href="#">MSP430FG4616IPZ</a><br>Description: IC MCU 16BIT 92KB FLASH 100LQFP   | Manufacturers: <a href="#">N/A</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MSP430FG4616IPZR</a><br>Description: IC MCU 16BIT 92KB FLASH 100LQFP  | Manufacturers: <a href="#">N/A</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MSP430FG4616IZQWR</a><br>Description: IC MCU 16BIT 92KB FLASH 113BGA  | Manufacturers: <a href="#">N/A</a> | <a href="#">RFQ</a> |

|                                              |                              |                           |                        |
|----------------------------------------------|------------------------------|---------------------------|------------------------|
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