

MSP430F5510IZQE



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Part Number: [MSP430F5510IZQE](#)

Manufacturer: [N/A](#)

Description: [IC MCU 16BIT 32KB FLASH 80BGA](#)

Data sheet:

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

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                           |                                            |                                  |                                                                                                      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|----------------------------------|------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                 | MSP430F5510IZQE                            | Manufacturer                     | N/A                                                                                                  |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                 | IC MCU 16BIT 32KB FLASH 80BGA              | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                           |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                          | 32451 pcs                                  | Data sheet                       |                                                                                                      |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                    | <a href="#">Integrated Circuits (ICs)</a>  | Voltage - Supply (Vcc/Vdd)       | 1.8 V ~ 3.6 V                                                                                        |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                     | 80-BGA MICROSTAR JUNIOR (5x5)              | Speed                            | 25MHz                                                                                                |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                      | MSP430F5xx                                 | RAM Size                         | 6K x 8                                                                                               |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                         | FLASH                                      | Program Memory Size              | 32KB (32K x 8)                                                                                       |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                 | Brown-out Detect/Reset, DMA, POR, PWM, WDT | Packaging                        | Tray                                                                                                 |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                              | 80-VFBGA                                   | Other Names                      | 296-29598<br>MSP430F5510IZQE-ND                                                                      |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                             | Internal                                   | Operating Temperature            | -40°C ~ 85°C (TA)                                                                                    |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                               | 47                                         | 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             | CPUXV2 MSP430F5xx Microcontroller IC 16-Bit 25MHz 32KB (32K x 8) FLASH 80-BGA MICROSTAR JUNIOR (5x5) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                             | A/D 12x10b                                 | Core Size                        | 16-Bit                                                                                               |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                              | CPUXV2                                     | Connectivity                     | I <sup>2</sup> C, IrDA, LINbus, SCI, SPI, UART/USART, USB                                            |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                            | MSP430F5510                                |                                  |                                                                                                      |
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