

MSP430F5659IZQWT



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Part Number: [MSP430F5659IZQWT](#)

Manufacturer: [N/A](#)

Description: [IC MCU 16BIT 512KB FLASH 113BGA](#)

Data sheet:

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

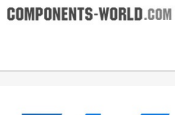
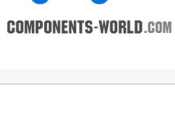
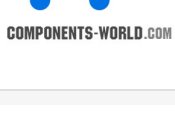
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                            |                                            |                                  |                                                                                                         |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|----------------------------------|---------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                  | MSP430F5659IZQWT                           | Manufacturer                     | N/A                                                                                                     |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                  | IC MCU 16BIT 512KB FLASH 113BGA            | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                              |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                           | 17250 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                            | 20MHz                                                                                                   |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                       | MSP430F5xx                                 | RAM Size                         | 66K x 8                                                                                                 |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                          | FLASH                                      | Program Memory Size              | 512KB (512K x 8)                                                                                        |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                  | Brown-out Detect/Reset, DMA, POR, PWM, WDT | Packaging                        | Tape & Reel (TR)                                                                                        |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                               | 113-VFBGA                                  | Other Names                      | 296-41468-2<br>MSP430F5659IZQWT-ND                                                                      |
| 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 MSP430F5xx Microcontroller IC 16-Bit 20MHz 512KB (512K x 8) FLASH 113-BGA Microstar Junior (7x7) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                              | A/D 16x12b, D/A 2x12b                      | Core Size                        | 16-Bit                                                                                                  |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                               | CPUXV2                                     | Connectivity                     | I <sup>2</sup> C, IrDA, SCI, SPI, UART/USART, USB                                                       |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                             | MSP430F5659                                |                                  |                                                                                                         |
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|  | Part#: <a href="#">MSP430F5658IZQWR</a><br>Description: <a href="#">IC MCU 16BIT 384KB FLASH 113BGA</a> | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MSP430F5659IPZR</a><br>Description: <a href="#">IC MCU 16BIT 512KB FLASH 100LQFP</a> | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
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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> |
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|  | Part#: <a href="#">MSP430F5658IPZ</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="#">MSP430F5638IZQWR</a><br>Description: <a href="#">IC MCU 16BIT 256KB FLASH 113BGA</a> | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
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