

MSP430F5258IZQER



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Part Number: [MSP430F5258IZQER](#)

Manufacturer: [N/A](#)

Description: [IC MCU 16BIT 128KB FLASH 80BGA](#)

Data sheet:

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

Ship From: [Hong Kong](#)

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                        |                                 |                            |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|---------------------------------|----------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                  | MSP430F5258IZQER                                                                                       | Manufacturer                    | N/A                        |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                  | IC MCU 16BIT 128KB FLASH 80BGA                                                                         | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                           | 32263 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                        | 32K x 8                    |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                          | FLASH                                                                                                  | Program Memory Size             | 128KB (128K x 8)           |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                  | Brown-out Detect/Reset, DMA, POR, PWM, WDT                                                             | Packaging                       | Tape & Reel (TR)           |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                               | 80-VFBGA                                                                                               | Oscillator Type                 | Internal                   |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                        | -40°C ~ 85°C (TA)                                                                                      | Number of I/O                   | 53                         |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                             | 3 (168 Hours)                                                                                          | Manufacturer Standard Lead Time | 26 Weeks                   |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                               | Lead free / RoHS Compliant                                                                             | EEPROM Size                     | -                          |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                         | CPUXV2 MSP430F5xx Microcontroller IC 16-Bit 25MHz 128KB (128K x 8) FLASH 80-BGA MICROSTAR JUNIOR (5x5) | Data Converters                 | -                          |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                    | 16-Bit                                                                                                 | Core Processor                  | CPUXV2                     |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                 | I <sup>2</sup> C, IrDA, SCI, SPI, UART/USART                                                           |                                 |                            |
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|  | Part#: <a href="#">MSP430F5257IZQER</a><br>Description: <a href="#">IC MCU 16BIT 128KB FLASH 80BGA</a>  | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MSP430F5257IRGCT</a><br>Description: <a href="#">IC MCU 16BIT 128KB FLASH 64VQFN</a> | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MSP430F5258IRGCR</a><br>Description: <a href="#">IC MCU 16BIT 128KB FLASH 64VQFN</a> | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MSP430F5304IRGZR</a><br>Description: <a href="#">IC MCU 16BIT 8KB FLASH 48VQFN</a>   | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MSP430F5304IRGZT</a><br>Description: <a href="#">IC MCU 16BIT 8KB FLASH 48VQFN</a>   | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MSP430F5304IPTR</a><br>Description: <a href="#">IC MCU 16BIT 8KB FLASH 48LQFP</a>    | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
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