

**MSP430F5659IZQWR Information**


For Reference Only

**Part Number** [MSP430F5659IZQWR](#)  
**Manufacturer** Texas Instruments  
**Category** Integrated Circuits (ICs)  
[Embedded - Microcontrollers](#)  
**Description** IC MCU 16BIT 512KB FLASH 113BGA  
**Package** 113-VFBGA  
 For the pricing/inventory/lead time, please contact us  
 Website: <https://www.heisener.com>  
 E-mail: [salesdept@heisener.com](mailto:salesdept@heisener.com)



[Request a Quote](#)

**Certified Quality**

Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.


**MSP430F5659IZQWR Specifications**

|                            |  |
|----------------------------|--|
| Manufacturer Part Number   | <a href="#">MSP430F5659IZQWR</a>   |
| Manufacturer               | Texas Instruments  |
| Category                   | Integrated Circuits (ICs)<br><a href="#">Embedded - Microcontrollers</a> |
| Package                    | 113-VFBGA  |
| Series                     | MSP430F5xx   |
| Core Processor             | CPUXV2   |
| Core Size                  | 16-Bit   |
| Speed                      | 20MHz  |
| Connectivity               | I2C, IrDA, SCI, SPI, UART/USART, USB                                     |
| Peripherals                | Brown-out Detect/Reset, DMA, POR, PWM, WDT                               |
| Number of I/O              | 74   |
| Program Memory Size        | 512KB (512K x 8)   |
| Program Memory Type        | FLASH  |
| EEPROM Size                | -  |
| RAM Size                   | 66K x 8  |
| Voltage - Supply (Vcc/Vdd) | 1.8 V ~ 3.6 V  |
| Data Converters            | A/D 16x12b, D/A 2x12b  |
| Oscillator Type            | Internal   |
| Operating Temperature      | -40°C ~ 85°C (TA)  |
| Mounting Type              | -  |
| Package / Case             | 113-VFBGA  |
| Supplier Device Package    | 113-BGA Microstar Junior (7x7)   |

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## MSP430F5659IZQWR Guarantees



### Quality Guarantees

We provide 90 days warranty. \*

If the items you received were not in perfect quality, we would be responsible for your refund or replacement, but the items must be returned in their original condition.



### Service Guarantees

We guarantee 100% customer satisfaction.

Our experienced sales team and tech support team back our services to satisfy all our customers.

## MSP430F5659IZQWR Payment Methods



## MSP430F5659IZQWR Shipping Methods



If you have any question about MSP430F5659IZQWR, please do not hesitate to contact us!

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