

**MSP430F2013IRSAR Information**


For Reference Only

**Part Number** [MSP430F2013IRSAR](#)  
**Manufacturer** Texas Instruments  
**Category** Integrated Circuits (ICs)  
[Embedded - Microcontrollers](#)  
**Description** IC MCU 16BIT 2KB FLASH 16QFN  
**Package** 16-VQFN Exposed Pad  
 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.


**MSP430F2013IRSAR Specifications**

|                            |  |
|----------------------------|--|
| Manufacturer Part Number   | <a href="#">MSP430F2013IRSAR</a>   |
| Manufacturer               | Texas Instruments  |
| Category                   | Integrated Circuits (ICs)<br><a href="#">Embedded - Microcontrollers</a> |
| Package                    | 16-VQFN Exposed Pad  |
| Series                     | MSP430F2xx   |
| Core Processor             | MSP430   |
| Core Size                  | 16-Bit   |
| Speed                      | 16MHz  |
| Connectivity               | I2C, SPI   |
| Peripherals                | Brown-out Detect/Reset, POR, PWM, WDT                                    |
| Number of I/O              | 10   |
| Program Memory Size        | 2KB (2K x 8 + 256B)  |
| Program Memory Type        | FLASH  |
| EEPROM Size                | -  |
| RAM Size                   | 128 x 8  |
| Voltage - Supply (Vcc/Vdd) | 1.8 V ~ 3.6 V  |
| Data Converters            | A/D 10x16b   |
| Oscillator Type            | Internal   |
| Operating Temperature      | -40°C ~ 85°C (TA)  |
| Mounting Type              | -  |
| Package / Case             | 16-VQFN Exposed Pad  |
| Supplier Device Package    | 16-QFN (4x4)   |

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## MSP430F2013IRSAR 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.

## MSP430F2013IRSAR Payment Methods



## MSP430F2013IRSAR Shipping Methods



If you have any question about MSP430F2013IRSAR, please do not hesitate to contact us!

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