

**MSP430F1610IRTDT Information**


For Reference Only

**Part Number** [MSP430F1610IRTDT](#)  
**Manufacturer** Texas Instruments  
**Category** Integrated Circuits (ICs)  
[Embedded - Microcontrollers](#)  
**Description** IC MCU 16BIT 32KB FLASH 64VQFN  
**Package** 64-VFQFN 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.


**MSP430F1610IRTDT Specifications**

|                            |  |
|----------------------------|--|
| Manufacturer Part Number   | <a href="#">MSP430F1610IRTDT</a>   |
| Manufacturer               | Texas Instruments  |
| Category                   | Integrated Circuits (ICs)<br><a href="#">Embedded - Microcontrollers</a> |
| Package                    | 64-VFQFN Exposed Pad   |
| Series                     | MSP430x1xx   |
| Core Processor             | MSP430   |
| Core Size                  | 16-Bit   |
| Speed                      | 8MHz   |
| Connectivity               | I2C, SPI, UART/USART   |
| Peripherals                | Brown-out Detect/Reset, DMA, POR, PWM, WDT                               |
| Number of I/O              | 48   |
| Program Memory Size        | 32KB (32K x 8 + 256B)  |
| Program Memory Type        | FLASH  |
| EEPROM Size                | -  |
| RAM Size                   | 5K x 8   |
| Voltage - Supply (Vcc/Vdd) | 1.8 V ~ 3.6 V  |
| Data Converters            | A/D 8x12b, D/A 2x12b   |
| Oscillator Type            | Internal   |
| Operating Temperature      | -40°C ~ 85°C (TA)  |
| Mounting Type              | -  |
| Package / Case             | 64-VFQFN Exposed Pad   |
| Supplier Device Package    | 64-VQFN (9x9)  |

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## MSP430F1610IRTD T 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.

## MSP430F1610IRTD T Payment Methods



## MSP430F1610IRTD T Shipping Methods



If you have any question about MSP430F1610IRTD T, please do not hesitate to contact us!

Website: <https://www.heisener.com>

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