

MSP430F2131IRGER

MSP430F2131IRGER Information



For Reference Only

Part Number MSP430F2131IRGER

Manufacturer Texas Instruments

Category Integrated Circuits (ICs)
Embedded - Microcontrollers

Description IC MCU 16BIT 8KB FLASH 24VQFN

Package 24-VFQFN Exposed Pad

For the pricing/inventory/lead time, please contact

us

Website: https://www.heisener.com E-mail: salesdept@heisener.com



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MSP430F2131IRGER Specifications

Manufacturer Part NumberMSP430F2131IRGERManufacturerTexas InstrumentsCategoryIntegrated Circuits (ICs)Embedded - MicrocontrollersPackage24-VFQFN Exposed PadSeriesMSP430F2xxCore ProcessorMSP430Core Size16-BitSpeed16MHzConnectivity-PeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O16Program Memory Size8KB (8K x 8 + 256B)Program Memory TypeFLASHEEPROM Size-RAM Size256 x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersSlope A/DOscillator TypeInternal	•	
CategoryIntegrated Circuits (ICs)Embedded - MicrocontrollersPackage24-VFQFN Exposed PadSeriesMSP430F2xxCore ProcessorMSP430Core Size16-BitSpeed16MHzConnectivity-PeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O16Program Memory Size8KB (8K x 8 + 256B)Program Memory TypeFLASHEEPROM Size-RAM Size256 x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersSlope A/D	Manufacturer Part Number	MSP430F2131IRGER
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Package $24\text{-VFQFN Exposed Pad}$ Series $MSP430F2xx$ Core Processor $MSP430$ Core Size 16-Bit Speed $16MHz$ Connectivity-Peripherals $Brown-out Detect/Reset, POR, PWM, WDT$ Number of I/O 16 Program Memory Size $8KB (8K x 8 + 256B)$ Program Memory Type $FLASH$ $EEPROM Size$ - $RAM Size$ $256 x 8$ $Voltage - Supply (Vcc/Vdd)$ $1.8 V \sim 3.6 V$ $Data Converters$ $Slope A/D$	Category	Integrated Circuits (ICs)
SeriesMSP430F2xxCore ProcessorMSP430Core Size 16 -BitSpeed 16 MHzConnectivity-PeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O 16 Program Memory Size 8 KB $(8$ K x $8 + 256$ B)Program Memory TypeFLASHEEPROM Size-RAM Size 256 x 8 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 VData ConvertersSlope A/D		Embedded - Microcontrollers
Core ProcessorMSP430Core Size 16-Bit Speed 16MHz Connectivity-PeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O 16 Program Memory Size $8\text{KB} (8\text{K x 8} + 256\text{B})$ Program Memory TypeFLASHEEPROM Size-RAM Size 256×8 Voltage - Supply (Vcc/Vdd) $1.8 \text{ V} \sim 3.6 \text{ V}$ Data ConvertersSlope A/D	Package	24-VFQFN Exposed Pad
Core Size 16-Bit Speed 16MHz Connectivity-PeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O 16 Program Memory Size $8\text{KB} (8\text{K x 8 + 256B})$ Program Memory TypeFLASHEEPROM Size-RAM Size 256 x 8 Voltage - Supply (Vcc/Vdd) $1.8 \text{ V} \sim 3.6 \text{ V}$ Data ConvertersSlope A/D	Series	MSP430F2xx
Speed16MHzConnectivity-PeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O16Program Memory Size8KB (8K x 8 + 256B)Program Memory TypeFLASHEEPROM Size-RAM Size256 x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersSlope A/D	Core Processor	MSP430
Connectivity - Peripherals Brown-out Detect/Reset, POR, PWM, WDT Number of I/O 16 Program Memory Size 8KB (8K x 8 + 256B) Program Memory Type FLASH EEPROM Size - RAM Size 256 x 8 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V Data Converters Slope A/D	Core Size	16-Bit
Peripherals Brown-out Detect/Reset, POR, PWM, WDT Number of I/O 16 Program Memory Size 8KB (8K x 8 + 256B) Program Memory Type FLASH EEPROM Size - RAM Size 256 x 8 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V Data Converters Slope A/D	Speed	16MHz
Number of I/O16Program Memory Size $8KB (8K \times 8 + 256B)$ Program Memory TypeFLASHEEPROM Size-RAM Size 256×8 Voltage - Supply (Vcc/Vdd) $1.8 \text{ V} \sim 3.6 \text{ V}$ Data ConvertersSlope A/D	Connectivity	-
Program Memory Size 8KB (8K x 8 + 256B) Program Memory Type FLASH EEPROM Size - RAM Size 256 x 8 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V Data Converters Slope A/D	Peripherals	Brown-out Detect/Reset, POR, PWM, WDT
Program Memory Type FLASH EEPROM Size - RAM Size 256 x 8 Voltage - Supply (Vcc/Vdd) $1.8 \text{ V} \sim 3.6 \text{ V}$ Data Converters Slope A/D	Number of I/O	16
EEPROM Size - RAM Size 256 x 8 Voltage - Supply (Vcc/Vdd) 1.8 V \sim 3.6 V Data Converters Slope A/D	Program Memory Size	8KB (8K x 8 + 256B)
RAM Size 256×8 Voltage - Supply (Vcc/Vdd) $1.8 \text{ V} \sim 3.6 \text{ V}$ Data Converters Slope A/D	Program Memory Type	FLASH
Voltage - Supply (Vcc/Vdd) $1.8 \text{ V} \sim 3.6 \text{ V}$ Data Converters Slope A/D	EEPROM Size	-
Data Converters Slope A/D	RAM Size	256 x 8
1	Voltage - Supply (Vcc/Vdd)	1.8 V ~ 3.6 V
Oscillator Type Internal	Data Converters	Slope A/D
	Oscillator Type	Internal
Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C} \text{ (TA)}$	Operating Temperature	$-40^{\circ}\text{C} \sim 85^{\circ}\text{C} \text{ (TA)}$
Mounting Type -	Mounting Type	-
Package / Case 24-VFQFN Exposed Pad	Package / Case	24-VFQFN Exposed Pad
Supplier Device Package 24-VQFN (4x4)	Supplier Device Package	24-VQFN (4x4)
Report errors?		Report errors?

MSP430F2131IRGER 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.

MSP430F2131IRGER Payment Methods



















MSP430F2131IRGER Shipping Methods













If you have any question about MSP430F2131IRGER, please do not hesitate to contact us!

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