

MSP430F2481TRGCT

MSP430F2481TRGCT Information



For Reference Only

Part Number MSP430F2481TRGCT

Manufacturer Texas Instruments

Category Integrated Circuits (ICs)
Embedded - Microcontrollers

Description IC MCU 16BIT 48KB 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



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MSP430F2481TRGCT Specifications

Manufacturer Part Number MSP430F2481TRGCT Manufacturer Texas Instruments Category Integrated Circuits (ICs) Embedded - Microcontrollers Package 64-VFQFN Exposed Pad Series MSP430F2xx Core Processor MSP430 Core Size 16-Bit Speed 16MHz Connectivity 12C, IrDA, LIN, SCI, SPI, UART/USART Peripherals Brown-out Detect/Reset, POR, PWM, WDT Number of I/O 48 Program Memory Size 48KB (48K x 8 + 256B) Program Memory Type FLASH EEPROM Size 4 RAM Size 4K x 8 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V Data Converters - Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA) Mounting Type - Package / Case 64-VFQFN Exposed Pad	*	
Category Integrated Circuits (ICs) Embedded - Microcontrollers Package 64-VFQFN Exposed Pad Series MSP430F2xx Core Processor MSP430 Core Size 16-Bit Speed 16MHz Connectivity I2C, IrDA, LIN, SCI, SPI, UART/USART Peripherals Brown-out Detect/Reset, POR, PWM, WDT Number of I/O 48 Program Memory Size 48KB (48K x 8 + 256B) Program Memory Type FLASH EEPROM Size - RAM Size 4K x 8 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V Data Converters - Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA) Mounting Type -	Manufacturer Part Number	MSP430F2481TRGCT
Package $64\text{-VFQFN Exposed Pad}$ Series $MSP430F2xx$ Core Processor $MSP430$ Core Size 16-Bit Speed 16MHz Connectivity $12\text{C, IrDA, LIN, SCI, SPI, UART/USART}$ Peripherals $12\text{Brown-out Detect/Reset, POR, PWM, WDT}$ Number of $1/O$ 48 Program Memory Size $48\text{KB } (48\text{K x } 8 + 256\text{B})$ Program Memory Type $FLASH$ $EEPROM Size$ - $RAM Size$ $4\text{K x } 8$ $Voltage$ - Supply (Vcc/Vdd) $1.8 \text{ V} \sim 3.6 \text{ V}$ Data Converters-Oscillator TypeInternalOperating Temperature $-40^{\circ}\text{C} \sim 105^{\circ}\text{C}$ (TA)Mounting Type-	Manufacturer	Texas Instruments
Package 64-VFQFN Exposed Pad Series MSP430F2xx Core Processor MSP430 Core Size 16-Bit Speed 16MHz Connectivity I2C, IrDA, LIN, SCI, SPI, UART/USART Peripherals Brown-out Detect/Reset, POR, PWM, WDT Number of I/O 48 Program Memory Size 48KB (48K x 8 + 256B) Program Memory Type FLASH EEPROM Size - RAM Size 4K x 8 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V Data Converters - Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA) Mounting Type -	Category	Integrated Circuits (ICs)
SeriesMSP430F2xxCore ProcessorMSP430Core Size 16 -BitSpeed 16 MHzConnectivity $12C$, $17DA$, $11N$,		Embedded - Microcontrollers
Core ProcessorMSP430Core Size16-BitSpeed16MHzConnectivityI2C, IrDA, LIN, SCI, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O48Program Memory Size48KB (48K x 8 + 256B)Program Memory TypeFLASHEEPROM Size-RAM Size4K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData Converters-Oscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-	Package	64-VFQFN Exposed Pad
Core Size 16-Bit Speed 16MHz Connectivity 12C, IrDA, LIN, SCI, SPI, UART/USART Peripherals Brown-out Detect/Reset, POR, PWM, WDT Number of I/O 48 Program Memory Size 48KB (48K x 8 + 256B) Program Memory Type FLASH EEPROM Size - RAM Size 4K x 8 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V Data Converters - Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA) Mounting Type -	Series	MSP430F2xx
Speed16MHzConnectivityI2C, IrDA, LIN, SCI, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O48Program Memory Size48KB (48K x 8 + 256B)Program Memory TypeFLASHEEPROM Size-RAM Size4K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData Converters-Oscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-	Core Processor	MSP430
Connectivity Peripherals Brown-out Detect/Reset, POR, PWM, WDT Number of I/O 48 Program Memory Size 48KB (48K x 8 + 256B) Program Memory Type FLASH EEPROM Size RAM Size 4K x 8 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V Data Converters Oscillator Type Internal Operating Temperature Mounting Type - 12C, IrDA, LIN, SCI, SPI, UART/USART Brown-out Detect/Reset, POR, PWM, WDT 48 48 48 48 48 48 48 48 48 48	Core Size	16-Bit
Peripherals Brown-out Detect/Reset, POR, PWM, WDT Number of I/O 48 Program Memory Size 48KB $(48K \times 8 + 256B)$ Program Memory Type FLASH EEPROM Size - RAM Size 4K $\times 8$ Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V Data Converters - Oscillator Type Internal Operating Temperature $-40^{\circ}\text{C} \sim 105^{\circ}\text{C}$ (TA) Mounting Type -	Speed	16MHz
Number of I/O Program Memory Size 48KB (48K x 8 + 256B) Program Memory Type FLASH EEPROM Size - RAM Size 4K x 8 Voltage - Supply (Vcc/Vdd) Data Converters - Oscillator Type Internal Operating Temperature 40°C ~ 105°C (TA) Mounting Type -	Connectivity	I2C, IrDA, LIN, SCI, SPI, UART/USART
Program Memory Size 48KB (48K x 8 + 256B) Program Memory Type FLASH EEPROM Size - RAM Size 4K x 8 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V Data Converters - Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA) Mounting Type -	Peripherals	Brown-out Detect/Reset, POR, PWM, WDT
Program Memory Type FLASH EEPROM Size - RAM Size 4K x 8 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V Data Converters - Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA) Mounting Type -	Number of I/O	48
EEPROM Size-RAM Size $4K \times 8$ Voltage - Supply (Vcc/Vdd) $1.8 \text{ V} \sim 3.6 \text{ V}$ Data Converters-Oscillator TypeInternalOperating Temperature $-40^{\circ}\text{C} \sim 105^{\circ}\text{C}$ (TA)Mounting Type-	Program Memory Size	48KB (48K x 8 + 256B)
RAM Size 4K x 8 Voltage - Supply (Vcc/Vdd) 1.8 V \sim 3.6 V Data Converters - Oscillator Type Internal Operating Temperature -40°C \sim 105°C (TA) Mounting Type -	Program Memory Type	FLASH
Voltage - Supply (Vcc/Vdd) $1.8 \text{ V} \sim 3.6 \text{ V}$ Data Converters-Oscillator TypeInternalOperating Temperature $-40^{\circ}\text{C} \sim 105^{\circ}\text{C}$ (TA)Mounting Type-	EEPROM Size	-
Data Converters - Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA) Mounting Type -	RAM Size	4K x 8
Oscillator Type Internal $ -40^{\circ}\text{C} \sim 105^{\circ}\text{C (TA)} $ Mounting Type $ - $	Voltage - Supply (Vcc/Vdd)	1.8 V ~ 3.6 V
Operating Temperature $-40^{\circ}\text{C} \sim 105^{\circ}\text{C} \text{ (TA)}$ Mounting Type $-$	Data Converters	-
Mounting Type -	Oscillator Type	Internal
	Operating Temperature	-40°C ~ 105°C (TA)
Package / Case 64-VFQFN Exposed Pad	Mounting Type	-
	Package / Case	64-VFQFN Exposed Pad
Supplier Device Package 64-VQFN (9x9)	Supplier Device Package	64-VQFN (9x9)
Report errors?		Report errors?

MSP430F2481TRGCT 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.

MSP430F2481TRGCT Payment Methods



















MSP430F2481TRGCT Shipping Methods













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