



MSP430F2011IN Information



For Reference Only

Part Number MSP430F2011IN

Manufacturer Texas Instruments

Category Integrated Circuits (ICs)
Embedded - Microcontrollers

Description IC MCU 16BIT 2KB FLASH 14DIP

Package 14-DIP (0.300", 7.62mm)

For the pricing/inventory/lead time, please contact

us

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



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MSP430F2011IN Specifications

Manufacturer Part Number MSP430F2011IN Manufacturer Texas Instruments Category Integrated Circuits (ICs) Embedded - Microcontrollers Package 14-DIP (0.300", 7.62mm) Series MSP430F2xx Core Processor MSP430 Core Size 16-Bit Speed 16MHz Connectivity - 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 Slope A/D Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 14-DIP (0.300", 7.62mm) Supplier Device Package 14-PDIP	•	
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Speed16MHzConnectivity-PeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O10Program Memory Size2KB (2K x 8 + 256B)Program Memory TypeFLASHEEPROM Size-RAM Size128 x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersSlope A/DOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case14-DIP (0.300", 7.62mm)	Core Processor	MSP430
Connectivity 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 Slope A/D Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type Package / Case 14-DIP (0.300", 7.62mm)	Core Size	16-Bit
PeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O10Program Memory Size2KB (2K x 8 + 256B)Program Memory TypeFLASHEEPROM Size-RAM Size128 x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersSlope A/DOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case14-DIP (0.300", 7.62mm)	Speed	16MHz
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 Slope A/D Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 14-DIP (0.300", 7.62mm)	Connectivity	-
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EEPROM Size-RAM Size 128×8 Voltage - Supply (Vcc/Vdd) $1.8 \text{ V} \sim 3.6 \text{ V}$ Data ConvertersSlope A/DOscillator TypeInternalOperating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ (TA)Mounting Type-Package / Case 14-DIP (0.300° , 7.62mm)	Program Memory Size	2KB (2K x 8 + 256B)
RAM Size 128×8 Voltage - Supply (Vcc/Vdd) $1.8 \text{ V} \sim 3.6 \text{ V}$ Data Converters $Slope \text{ A/D}$ Oscillator Type $Internal$ Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C (TA)}$ Mounting Type $-$ Package / Case $14\text{-DIP } (0.300'', 7.62\text{mm})$	Program Memory Type	FLASH
Voltage - Supply (Vcc/Vdd) $1.8 \text{ V} \sim 3.6 \text{ V}$ $Data \text{ Converters} \qquad Slope \text{ A/D}$ $Oscillator \text{ Type} \qquad Internal}$ $Operating \text{ Temperature} \qquad -40^{\circ}\text{C} \sim 85^{\circ}\text{C (TA)}$ $Mounting \text{ Type} \qquad -$ $Package / \text{Case} \qquad 14-\text{DIP } (0.300'', 7.62\text{mm})$	EEPROM Size	-
Data Converters Slope A/D Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 14-DIP (0.300", 7.62mm)	RAM Size	128 x 8
Oscillator Type Internal Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ (TA) Mounting Type - Package / Case 14-DIP (0.300", 7.62mm)	Voltage - Supply (Vcc/Vdd)	1.8 V ~ 3.6 V
Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 14-DIP (0.300", 7.62mm)	Data Converters	Slope A/D
Mounting Type - Package / Case 14-DIP (0.300", 7.62mm)	Oscillator Type	Internal
Package / Case 14-DIP (0.300", 7.62mm)	Operating Temperature	-40°C ~ 85°C (TA)
	Mounting Type	-
Supplier Device Package 14-PDIP	Package / Case	14-DIP (0.300", 7.62mm)
	Supplier Device Package	14-PDIP
Report errors?		Report errors?

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Service Guarantees

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

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MSP430F2011IN Shipping Methods













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