



MSP430F2001IPW Information



For Reference Only

Part Number MSP430F2001IPW

Manufacturer Texas Instruments

Category Integrated Circuits (ICs)
Embedded - Microcontrollers

DescriptionIC MCU 16BIT 1KB FLASH 14TSSOP**Package**14-TSSOP (0.173", 4.40mm Width)

For the pricing/inventory/lead time, please contact

us

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MSP430F2001IPW Specifications

Manufacturer Part Number MSP430F2001IPW Manufacturer Texas Instruments Category Integrated Circuits (ICs) Embedded - Microcontrollers Package 14-TSSOP (0.173", 4.40mm Width) 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 1KB (1K 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-TSSOP (0.173", 4.40mm Width) Supplier Device Package 14-TSSOP	*	
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SeriesMSP430F2xxCore ProcessorMSP430Core Size 16 -BitSpeed 16 MHzConnectivity-PeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O 10 Program Memory Size 1 KB $(1$ K x 8 + 256B)Program Memory TypeFLASHEEPROM Size-RAM Size 128×8 Voltage - Supply (Vcc/Vdd) $1.8 \lor x - 3.6 \lor V$ Data ConvertersSlope A/DOscillator TypeInternalOperating Temperature -40° C $\sim 85^{\circ}$ C (TA)Mounting Type-Package / Case 14 -TSSOP $(0.173", 4.40$ mm Width)Supplier Device Package 14 -TSSOP		Embedded - Microcontrollers
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 1KB (1K 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-TSSOP (0.173", 4.40mm Width) Supplier Device Package 14-TSSOP	Package	14-TSSOP (0.173", 4.40mm Width)
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Speed16MHzConnectivity-PeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O10Program Memory Size1KB (1K 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-TSSOP (0.173", 4.40mm Width)Supplier Device Package14-TSSOP	Core Processor	MSP430
Connectivity Peripherals Brown-out Detect/Reset, POR, PWM, WDT Number of I/O 10 Program Memory Size 1KB (1K 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-TSSOP (0.173", 4.40mm Width) Supplier Device Package	Core Size	16-Bit
Peripherals Number of I/O 10 Program Memory Size 1KB (1K 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-TSSOP (0.173", 4.40mm Width) Supplier Device Package	Speed	16MHz
Number of I/O Program Memory Size 1KB (1K 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-TSSOP (0.173", 4.40mm Width) Supplier Device Package 14-TSSOP	Connectivity	-
Program Memory Size 1KB (1K 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-TSSOP (0.173", 4.40mm Width) Supplier Device Package 14-TSSOP	Peripherals	Brown-out Detect/Reset, POR, PWM, WDT
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-TSSOP (0.173", 4.40mm Width) Supplier Device Package 14-TSSOP	Number of I/O	10
EEPROM 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-TSSOP (0.173", 4.40mm Width) Supplier Device Package 14-TSSOP	Program Memory Size	1KB (1K 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 $14\text{-TSSOP (0.173'', 4.40mm Width)}$ Supplier Device Package 14-TSSOP	Program Memory Type	FLASH
Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V Slope A/D Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 14-TSSOP (0.173", 4.40mm Width) Supplier Device Package	EEPROM Size	-
Data Converters Slope A/D Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 14-TSSOP (0.173", 4.40mm Width) Supplier Device Package 14-TSSOP	RAM Size	128 x 8
Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 14-TSSOP (0.173", 4.40mm Width) Supplier Device Package 14-TSSOP	Voltage - Supply (Vcc/Vdd)	1.8 V ~ 3.6 V
Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 14-TSSOP (0.173", 4.40mm Width) Supplier Device Package 14-TSSOP	Data Converters	Slope A/D
Mounting Type - Package / Case 14-TSSOP (0.173", 4.40mm Width) Supplier Device Package 14-TSSOP	Oscillator Type	Internal
Package / Case 14-TSSOP (0.173", 4.40mm Width) Supplier Device Package 14-TSSOP	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package 14-TSSOP	Mounting Type	-
	Package / Case	14-TSSOP (0.173", 4.40mm Width)
	Supplier Device Package	14-TSSOP
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MSP430F2001IPW 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.

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MSP430F2001IPW Shipping Methods













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