



### **MSP430F112IDW Information**



For Reference Only

Part Number MSP430F112IDW

Manufacturer Texas Instruments

Category Integrated Circuits (ICs)
Embedded - Microcontrollers

DescriptionIC MCU 16BIT 4KB FLASH 20SOICPackage20-SOIC (0.295", 7.50mm Width)

For the pricing/inventory/lead time, please contact

us

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



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### **Certified Quality**

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## **MSP430F112IDW Specifications**

Manufacturer Part Number         MSP430F112IDW           Manufacturer         Texas Instruments           Category         Integrated Circuits (ICs)           Package         20-SOIC (0.295", 7.50mm Width)           Series         MSP430x1xx           Core Processor         MSP430           Core Size         16-Bit           Speed         8MHz           Connectivity         -           Peripherals         POR, PWM, WDT           Number of I/O         14           Program Memory Size         4KB (4K 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         -           Oscillator Type         Internal           Operating Temperature         40°C ~ 85°C (TA)           Mounting Type         -           Package / Case         20-SOIC (0.295", 7.50mm Width)           Supplier Device Package         20-SOIC		
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Series         MSP430x1xx           Core Processor         MSP430           Core Size         16-Bit           Speed         8MHz           Connectivity         -           Peripherals         POR, PWM, WDT           Number of I/O         14           Program Memory Size         4KB (4K 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         -           Oscillator Type         Internal           Operating Temperature         -40°C ~ 85°C (TA)           Mounting Type         -           Package / Case         20-SOIC (0.295", 7.50mm Width)           Supplier Device Package         20-SOIC		Embedded - Microcontrollers
Core Processor         MSP430           Core Size         16-Bit           Speed         8MHz           Connectivity         -           Peripherals         POR, PWM, WDT           Number of I/O         14           Program Memory Size         4KB (4K 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         -           Oscillator Type         Internal           Operating Temperature         -40°C ~ 85°C (TA)           Mounting Type         -           Package / Case         20-SOIC (0.295", 7.50mm Width)           Supplier Device Package         20-SOIC	Package	20-SOIC (0.295", 7.50mm Width)
Core Size         16-Bit           Speed         8MHz           Connectivity         -           Peripherals         POR, PWM, WDT           Number of I/O         14           Program Memory Size         4KB (4K 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         -           Oscillator Type         Internal           Operating Temperature         -40°C ~ 85°C (TA)           Mounting Type         -           Package / Case         20-SOIC (0.295", 7.50mm Width)           Supplier Device Package         20-SOIC	Series	MSP430x1xx
Speed 8MHz Connectivity - Peripherals POR, PWM, WDT Number of I/O 14 Program Memory Size 4KB (4K 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 - Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 20-SOIC (0.295", 7.50mm Width) Supplier Device Package	Core Processor	MSP430
Connectivity - Peripherals - POR, PWM, WDT - Number of I/O - 14 - Program Memory Size - 4KB (4K x 8 + 256B) - Program Memory Type - FLASH - EEPROM Size - RAM Size - Voltage - Supply (Vcc/Vdd) - 1.8 V ~ 3.6 V - Data Converters - Coscillator Type - Internal - Operating Temperature - 40°C ~ 85°C (TA) - Mounting Type - Package / Case - 20-SOIC (0.295", 7.50mm Width) - Supplier Device Package	Core Size	16-Bit
Peripherals  Number of I/O  14  Program Memory Size  4KB (4K 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  - Oscillator Type  Internal  Operating Temperature  40°C ~ 85°C (TA)  Mounting Type  - Package / Case  20-SOIC (0.295", 7.50mm Width)  Supplier Device Package	Speed	8MHz
Number of I/O Program Memory Size 4KB (4K 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 - Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA)  Mounting Type - Package / Case 20-SOIC (0.295", 7.50mm Width) Supplier Device Package	Connectivity	-
Program Memory Size 4KB (4K 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 -  Oscillator Type Internal  Operating Temperature -40°C ~ 85°C (TA)  Mounting Type -  Package / Case 20-SOIC (0.295", 7.50mm Width)  Supplier Device Package 20-SOIC	Peripherals	POR, PWM, WDT
Program Memory Type  EEPROM Size  RAM Size  256 x 8  Voltage - Supply (Vcc/Vdd)  Data Converters  - Oscillator Type  Internal Operating Temperature  -40°C ~ 85°C (TA)  Mounting Type  - Package / Case  20-SOIC (0.295", 7.50mm Width)  Supplier Device Package	Number of I/O	14
EEPROM Size - 256 x 8  Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V  Data Converters - Coscillator Type Internal  Operating Temperature -40°C ~ 85°C (TA)  Mounting Type - Package / Case 20-SOIC (0.295", 7.50mm Width)  Supplier Device Package 20-SOIC	Program Memory Size	4KB (4K x 8 + 256B)
RAM Size $256 \times 8$ Voltage - Supply (Vcc/Vdd) $1.8 \text{ V} \sim 3.6 \text{ V}$ Data Converters $-$ Oscillator Type Internal $-40^{\circ}\text{C} \sim 85^{\circ}\text{C (TA)}$ Mounting Type $-$ Package / Case $20\text{-SOIC } (0.295^{\circ}\text{, 7.50mm Width)}$ Supplier Device Package	Program Memory Type	FLASH
Voltage - Supply (Vcc/Vdd)  Data Converters  Oscillator Type  Internal  Operating Temperature  -40°C ~ 85°C (TA)  Mounting Type  - Package / Case  20-SOIC (0.295", 7.50mm Width)  Supplier Device Package	EEPROM Size	-
Data Converters - Coscillator Type Internal - 40°C ~ 85°C (TA)  Mounting Type - Case 20-SOIC (0.295", 7.50mm Width)  Supplier Device Package 20-SOIC	RAM Size	256 x 8
Oscillator Type  Internal  -40°C ~ 85°C (TA)  Mounting Type  - Package / Case  20-SOIC (0.295", 7.50mm Width)  Supplier Device Package  20-SOIC	Voltage - Supply (Vcc/Vdd)	1.8 V ~ 3.6 V
Operating Temperature  -40°C ~ 85°C (TA)  Mounting Type  - Package / Case  20-SOIC (0.295", 7.50mm Width)  Supplier Device Package  20-SOIC	Data Converters	-
Mounting Type - Package / Case 20-SOIC (0.295", 7.50mm Width) Supplier Device Package 20-SOIC	Oscillator Type	Internal
Package / Case 20-SOIC (0.295", 7.50mm Width) Supplier Device Package 20-SOIC	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package 20-SOIC	Mounting Type	-
	Package / Case	20-SOIC (0.295", 7.50mm Width)
Report errors?	Supplier Device Package	20-SOIC
		Report errors?

#### **MSP430F112IDW 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.

### **MSP430F112IDW Payment Methods**



















# MSP430F112IDW Shipping Methods













If you have any question about MSP430F112IDW, please do not hesitate to contact us!

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