

# MSP430A045IPWR

#### MSP430A045IPWR Information

		Part Number	MSP430A045IPWR	
		Manufacturer	Texas Instruments	
	reww.heisener.com	Category	Integrated Circuits (ICs) Embedded - Microcontrollers	
	Jun .	Description	IC MCU 16BIT 4KB FLASH 20TSSOP	
	1)	Package	20-TSSOP (0.173", 4.40mm Width)	
			For the pricing/inventory/lead time, please contact	E19492.395
			us	
	For Reference Only		Website: https://www.heisener.com E-mail: salesdept@heisener.com	Request a Quote

## **Certified Quality**

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### MSP430A045IPWR Specifications

Manufacturer Texas Instruments   Manufacturer Texas Instruments   Manufacturer Texas Instruments   Manufacturer Texas Instruments   Manufacturer Integrated Circuits (ICs)   Embedded - Microcontrollers Embedded - Microcontrollers   Package 20-TSSOP (0.173", 4.40mm Width)   Series MSP430x1xx   Core Processor MSP430   Core Size 16-Bit   Speed 8MHz   Connectivity -   Connectivity -   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 A/D 8x10b   Oscillator Type Internal   Operating Temperature -40°C ~ 85°C (TA)   Mounting Type -   Package / Case 20-TSSOP (0.173", 4.40mm Width)		
CategoryIntegrated Circuits (ICs)Embedded - MicrocontrollersPackage20-TSSOP (0.173", 4.40mm Width)SeriesMSP430x1xxCore ProcessorMSP430Core Size16-BitSpeed8MHzConnectivity-PeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O14Program Memory Size4KB (4K x 8 + 256B)Program Memory TypeFLASHEEPROM Size-Nutate Converters256 x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VDerating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case20-TSSOP (0.173", 4.40mm Width)	Manufacturer Part Number	MSP430A045IPWR
Enhedded - MicrocontrollersPackage20-TSSOP (0.173", 4.40mm Width)SeriesMSP430x1xxCore ProcessorMSP430Core Size16-BitSpeed8MHzConnectivity-PeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O14Program Memory Size4KB (4K x 8 + 256B)Program Memory TypeFLASHEEPROM Size-RAM Size256 x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case20-TSSOP (0.173", 4.40mm Width)Supplier Device Package20-TSSOP	Manufacturer	Texas Instruments
Package20-TSSOP (0.173", 4.40mm Width)SeriesMSP430x1xxCore ProcessorMSP430Core Size16-BitSpeed8MHzConnectivity-PeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O14Program Memory Size4KB (4K x 8 + 256B)PERDM Size-RAM Size256 x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 8x10bOperating Temperature440°C ~ 85°C (TA)Mounting Type-Package / Case20-TSSOP (0.173", 4.40mm Width)Supplier Device Package20-TSSOP	Category	Integrated Circuits (ICs)
SeriesMSP430x1xxCore ProcessorMSP430Core Size16-BitSpeed8MHzConnectivity-PeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O14Program Memory Size4KB (4K x 8 + 256B)Program Memory TypeFLASHEEPROM Size-RAM Size256 x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 8x10bOperating Temperature-Prokage/ Case-Prokage / Case20-TSSOP (0.173", 4.40mm Width)Supplier Device Package0-TSSOP		Embedded - Microcontrollers
Core ProcessorMSP430Core Size16-BitSpeed8MHzConnectivity-Connectivity-PeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O14Program Memory Size4KB (4K x 8 + 256B)Program Memory TypeFLASHEEPROM Size-RAM Size256 x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 8x10bOperating Temperature-Operating Temperature-Pokage / Case20TSSOP (0.173", 4.40mm Width)Supplier Device Package20TSSOP	Package	20-TSSOP (0.173", 4.40mm Width)
Core Size16-BitSpeed8MHzConnectivity-PeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O14Program Memory Size4KB (4K x 8 + 256B)Program Memory TypeFLASHEEPROM Size-RAM Size256 x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 8x10bOperating Temperature-Mounting Type-Package / Case0.7SSOP (0.173", 4.40mm Width)Supplier Device Package0.7SSOP	Series	MSP430x1xx
Speed8MHzConnectivity-PeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O14Program Memory Size4KB (4K x 8 + 256B)Program Memory TypeFLASHEEPROM Size-RAM Size256 x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 8x10bOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case20-TSSOP (0.173", 4.40mm Width)Supplier Device Package20-TSSOP	Core Processor	MSP430
Connectivity-PeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O14Program Memory Size4KB (4K x 8 + 256B)Program Memory TypeFLASHEEPROM Size-RAM Size256 x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 8x10bOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case20-TSSOP (0.173", 4.40mm Width)Supplier Device Package0-TSSOP	Core Size	16-Bit
PeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O14Program Memory Size4KB (4K x 8 + 256B)Program Memory TypeFLASHEEPROM Size-RAM Size256 x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 8x10bOscillator Type-Operating Temperature-Aque (C a SS°C (TA)Mounting Type-Package / Case20-TSSOP (0.173", 4.40mm Width)Supplier Device Package20-TSSOP	Speed	8MHz
Number of I/O14Program Memory Size4KB (4K x 8 + 256B)Program Memory TypeFLASHEEPROM Size-RAM Size256 x 8Voltage - Supply (Vcc/Vd)1.8 V ~ 3.6 VData ConvertersA/D 8x10bOscillator Type-40°C ~ 85°C (TA)Operating Temperature-Mounting Type-Package / Case20-TSSOP (0.173", 4.40mm Width)Supplier Device Package20-TSSOP	Connectivity	-
Program Memory Size4KB (4K x 8 + 256B)Program Memory TypeFLASHEEPROM Size-RAM Size256 x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case20-TSSOP (0.173", 4.40mm Width)Supplier Device Package20-TSSOP	Peripherals	Brown-out Detect/Reset, POR, PWM, WDT
Program Memory TypeFLASHEEPROM Size-RAM Size256 x 8Voltage - Supply (Vcc/Vd)1.8 V ~ 3.6 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case20-TSSOP (0.173", 4.40mm Width)Supplier Device Package20-TSSOP	Number of I/O	14
EEPROM Size-RAM Size256 x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case20-TSSOP (0.173", 4.40mm Width)Supplier Device Package20-TSSOP	Program Memory Size	4KB (4K x 8 + 256B)
RAM Size256 x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case20-TSSOP (0.173", 4.40mm Width)Supplier Device Package20-TSSOP	Program Memory Type	FLASH
Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case20-TSSOP (0.173", 4.40mm Width)Supplier Device Package20-TSSOP	EEPROM Size	-
Data ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case20-TSSOP (0.173", 4.40mm Width)Supplier Device Package20-TSSOP	RAM Size	256 x 8
Oscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case20-TSSOP (0.173", 4.40mm Width)Supplier Device Package20-TSSOP	Voltage - Supply (Vcc/Vdd)	1.8 V ~ 3.6 V
Operating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case20-TSSOP (0.173", 4.40mm Width)Supplier Device Package20-TSSOP	Data Converters	A/D 8x10b
Mounting Type-Package / Case20-TSSOP (0.173", 4.40mm Width)Supplier Device Package20-TSSOP	Oscillator Type	Internal
Package / Case20-TSSOP (0.173", 4.40mm Width)Supplier Device Package20-TSSOP	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package 20-TSSOP	Mounting Type	-
	Package / Case	20-TSSOP (0.173", 4.40mm Width)
Report errors?	Supplier Device Package	20-TSSOP
		Report errors

#### MSP430A045IPWR 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.

### MSP430A045IPWR Payment Methods



#### MSP430A045IPWR Shipping Methods



If you have any question about MSP430A045IPWR, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com