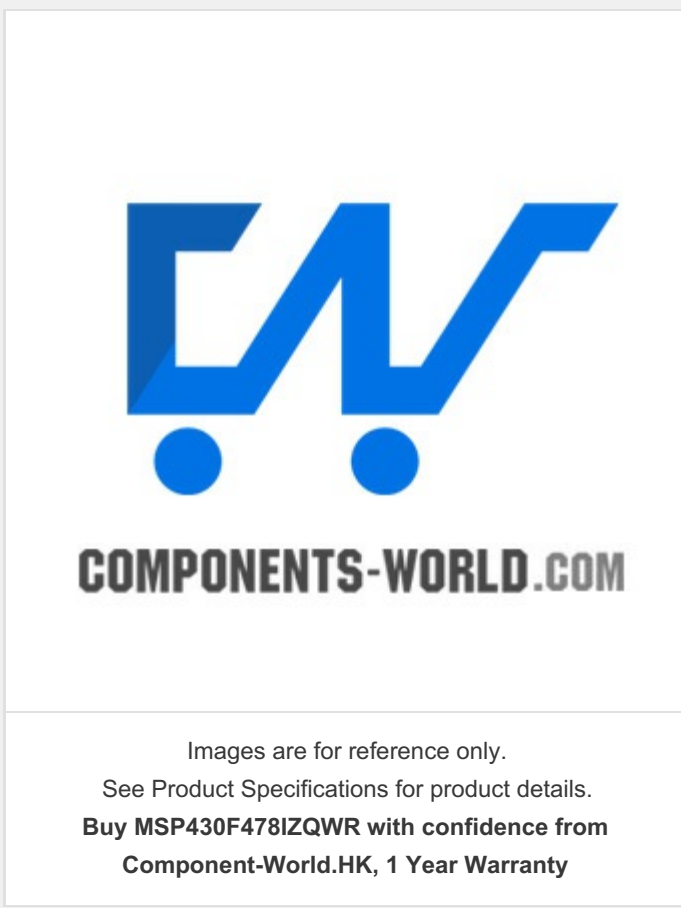


## MSP430F478IZQWR



**Part Number:** [MSP430F478IZQWR](#)  
**Manufacturer:** N/A  
**Description:** IC MCU 16BIT 48KB FLASH 113BGA  
**Data sheet:**

**RoHS Status:** Lead free / RoHS Compliant  
**Ship From:** Hong Kong  
**Shipment Way:** DHL/Fedex/TNT/UPS/EMS

[Request For Quotation](#)

PRODUCT PARAMETER	
<b>Part Number</b>	MSP430F478IZQWR
<b>Description</b>	IC MCU 16BIT 48KB FLASH 113BGA
<b>Quantity Available</b>	16818 pcs
<b>Category</b>	<a href="#">Integrated Circuits (ICs)</a>
<b>Supplier Device Package</b>	113-BGA Microstar Junior (7x7)
<b>Series</b>	MSP430x4xx
<b>Program Memory Type</b>	FLASH
<b>Peripherals</b>	Brown-out Detect/Reset, LCD, PWM, WDT
<b>Package / Case</b>	113-VFBGA
<b>Oscillator Type</b>	Internal
<b>Number of I/O</b>	48
<b>Manufacturer Standard Lead Time</b>	15 Weeks
<b>EEPROM Size</b>	-
<b>Data Converters</b>	A/D 5x16b, D/A 1x12b
<b>Core Processor</b>	MSP430
<b>Base Part Number</b>	MSP430F478
<b>Manufacturer</b>	N/A
<b>Lead Free Status / RoHS Status</b>	Lead free / RoHS Compliant
<b>Data sheet</b>	
<b>Voltage - Supply (Vcc/Vdd)</b>	1.8 V ~ 3.6 V
<b>Speed</b>	8MHz
<b>RAM Size</b>	2K x 8
<b>Program Memory Size</b>	48KB (48K x 8 + 256B)
<b>Packaging</b>	Cut Tape (CT)
<b>Other Names</b>	296-25383-1
<b>Operating Temperature</b>	-40°C ~ 85°C (TA)
<b>Moisture Sensitivity Level (MSL)</b>	3 (168 Hours)
<b>Lead Free Status / RoHS Status</b>	Lead free / RoHS Compliant
<b>Detailed Description</b>	MSP430 MSP430x4xx Microcontroller IC 16-Bit 8MHz 48KB (48K x 8 + 256B) FLASH 113-BGA Microstar Junior (7x7)
<b>Core Size</b>	16-Bit
<b>Connectivity</b>	IPC, IrDA, LINbus, SCI, SPI, UART/USART

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RELATED PRODUCTS	
	Part#: <a href="#">MSP430F5131IDAR</a> Description: IC MCU 16BIT 8KB FLASH 38TSSOP Manufacturers: <a href="#">N/A</a> <a href="#">RFQ</a>
	Part#: <a href="#">MSP430F478IPNR</a> Description: IC MCU 16BIT 48KB FLASH 80LQFP Manufacturers: <a href="#">N/A</a> <a href="#">RFQ</a>
	Part#: <a href="#">MSP430F479IPN</a> Description: IC MCU 16BIT 60KB FLASH 80LQFP Manufacturers: <a href="#">N/A</a> <a href="#">RFQ</a>
	Part#: <a href="#">MSP430F4784IPZ</a> Description: IC MCU 16BIT 48KB FLASH 100LQFP Manufacturers: <a href="#">N/A</a> <a href="#">RFQ</a>
	Part#: <a href="#">MSP430F5131IDA</a> Description: IC MCU 16BIT 8KB FLASH 38TSSOP Manufacturers: <a href="#">N/A</a> <a href="#">RFQ</a>
	Part#: <a href="#">MSP430F4783IPZR</a> Description: IC MCU 16BIT 48KB FLASH 100LQFP Manufacturers: <a href="#">N/A</a> <a href="#">RFQ</a>
	Part#: <a href="#">MSP430F479IZQW</a> Description: IC MCU 16BIT 60KB FLASH 113BGA Manufacturers: <a href="#">N/A</a> <a href="#">RFQ</a>
	Part#: <a href="#">MSP430F477IZQWR</a> Description: IC MCU 16BIT 32KB FLASH 113BGA Manufacturers: <a href="#">N/A</a> <a href="#">RFQ</a>
	Part#: <a href="#">MSP430F4793IPZ</a> Description: IC MCU 16BIT 60KB FLASH 100LQFP Manufacturers: <a href="#">N/A</a> <a href="#">RFQ</a>
	Part#: <a href="#">MSP430F479IPNR</a> Description: IC MCU 16BIT 60KB FLASH 80LQFP Manufacturers: <a href="#">N/A</a> <a href="#">RFQ</a>
	Part#: <a href="#">MSP430F4784IPZR</a> Description: IC MCU 16BIT 48KB FLASH 100LQFP Manufacturers: <a href="#">N/A</a> <a href="#">RFQ</a>
	Part#: <a href="#">MSP430F477IPNR</a> Description: IC MCU 16BIT 32KB FLASH 80LQFP Manufacturers: <a href="#">N/A</a> <a href="#">RFQ</a>
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	Part#: <a href="#">MSP430F4794IPZ</a> Description: IC MCU 16BIT 60KB FLASH 100LQFP Manufacturers: <a href="#">N/A</a> <a href="#">RFQ</a>
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