


N/A

**MSP430F438IPN**

Part Number:	MSP430F438IPN
Manufacturer/Brand:	N/A
Product description:	IC MCU 16BIT 48KB FLASH 80LQFP
Datasheets:	
RoHS Status:	 Lead free / RoHS Compliant
Ship From:	Hong Kong
Shipment Way:	DHL/Fedex/TNT/UPS/EMS

[REQUEST FOR QUOTATION](#)

Image may be representation. See specifications for product details.

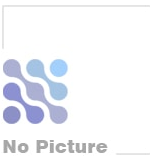
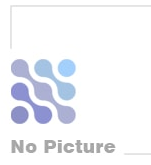
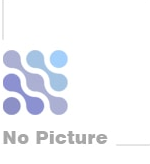
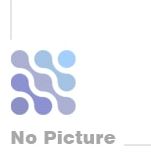
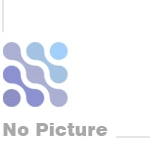
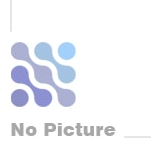
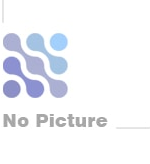
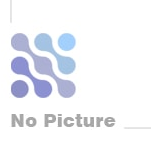
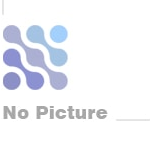
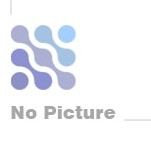
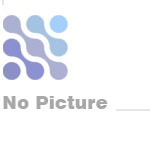
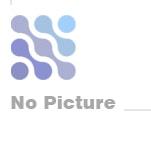
**Specifications of MSP430F438IPN**

PART NUMBER	MSP430F438IPN
MANUFACTURER	N/A
DESCRIPTION	IC MCU 16BIT 48KB FLASH 80LQFP
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
DATA SHEET	
VOLTAGE - SUPPLY (VCC/VDD)	1.8 V ~ 3.6 V
SUPPLIER DEVICE PACKAGE	80-LQFP (12x12)
SPEED	8MHz
SERIES	MSP430x4xx
RAM SIZE	2K x 8
PROGRAM MEMORY TYPE	FLASH
PROGRAM MEMORY SIZE	48KB (48K x 8 + 256B)
PERIPHERALS	Brown-out Detect/Reset, DMA, LCD, POR, PWM, WDT
PACKAGING	Tray
PACKAGE / CASE	80-LQFP
OTHER NAMES	296-33431-5 MSP430F438IPN-ND
OSCILLATOR TYPE	Internal
OPERATING TEMPERATURE	-40°C ~ 85°C (TA)
NUMBER OF I/O	48
MOISTURE SENSITIVITY LEVEL (MSL)	3 (168 Hours)
MANUFACTURER STANDARD LEAD TIME	10 Weeks
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
EEPROM SIZE	-
DETAILED DESCRIPTION	MSP430 MSP430x4xx Microcontroller IC 16-Bit 8MHz 48KB (48K x 8 + 256B) FLASH 80-LQFP (12x12)
DATA CONVERTERS	A/D 12x12b
CORE SIZE	16-Bit
CORE PROCESSOR	MSP430
CONNECTIVITY	SPI, UART/USART
BASE PART NUMBER	MSP430F438

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**Related Products**

 <p><b>MSP430F4371IPZ</b> Manufacturers: N/A Description: IC MCU 16BIT 32KB FLASH 100LQFP In stock: 12696 pcs</p> <p><a href="#">RFQ</a></p>	 <p><b>MSP430F439IPN</b> Manufacturers: N/A Description: IC MCU 16BIT 60KB FLASH 80LQFP In stock: 12073 pcs</p> <p><a href="#">RFQ</a></p>
 <p><b>MSP430F447IPZ</b> Manufacturers: N/A Description: IC MCU 16BIT 32KB FLASH 100LQFP In stock: 18766 pcs</p> <p><a href="#">RFQ</a></p>	 <p><b>MSP430F439IPNR</b> Manufacturers: N/A Description: IC MCU 16BIT 60KB FLASH 80LQFP In stock: 13852 pcs</p> <p><a href="#">RFQ</a></p>
 <p><b>MSP430F447IPZR</b> Manufacturers: N/A Description: IC MCU 16BIT 32KB FLASH 100LQFP In stock: 17463 pcs</p> <p><a href="#">RFQ</a></p>	 <p><b>MSP430F4371IPZR</b> Manufacturers: N/A Description: IC MCU 16BIT 32KB FLASH 100LQFP In stock: 24817 pcs</p> <p><a href="#">RFQ</a></p>
 <p><b>MSP430F4481IPZ</b> Manufacturers: N/A Description: IC MCU 16BIT 48KB FLASH 100LQFP In stock: 13532 pcs</p> <p><a href="#">RFQ</a></p>	 <p><b>MSP430F438IPNR</b> Manufacturers: N/A Description: IC MCU 16BIT 48KB FLASH 80LQFP In stock: 11277 pcs</p> <p><a href="#">RFQ</a></p>
 <p><b>MSP430F437IPN</b> Manufacturers: N/A Description: IC MCU 16BIT 32KB FLASH 80LQFP In stock: 16483 pcs</p> <p><a href="#">RFQ</a></p>	 <p><b>MSP430F437IPZ</b> Manufacturers: N/A Description: IC MCU 16BIT 32KB FLASH 100LQFP In stock: 18349 pcs</p> <p><a href="#">RFQ</a></p>
 <p><b>MSP430F437IPZR</b> Manufacturers: N/A Description: IC MCU 16BIT 32KB FLASH 100LQFP In stock: 22656 pcs</p> <p><a href="#">RFQ</a></p>	 <p><b>MSP430F437IPNR</b> Manufacturers: N/A Description: IC MCU 16BIT 32KB FLASH 80LQFP In stock: 19700 pcs</p> <p><a href="#">RFQ</a></p>