

MSP430F438IPN



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Part Number: [MSP430F438IPN](#)

Manufacturer: [N/A](#)

Description: [IC MCU 16BIT 48KB FLASH 80LQFP](#)

Data sheet:

RoHs Status: [Lead free / RoHS Compliant](#)

Ship From: [Hong Kong](#)

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Request For Quotation

PRODUCT PARAMETER			
Part Number	MSP430F438IPN	Manufacturer	N/A
Description	IC MCU 16BIT 48KB FLASH 80LQFP	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	11296 pcs	Data sheet	
Category	Integrated Circuits (ICs)	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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	Part#: MSP430F448IPZ Description: IC MCU 16BIT 48KB FLASH 100LQFP	Manufacturers: N/A	RFQ
	Part#: MSP430F4371IPN Description: IC MCU 16BIT 32KB FLASH 80LQFP	Manufacturers: N/A	RFQ
	Part#: MSP430F437IPZR Description: IC MCU 16BIT 32KB FLASH 100LQFP	Manufacturers: N/A	RFQ
	Part#: MSP430F439IPNR Description: IC MCU 16BIT 60KB FLASH 80LQFP	Manufacturers: N/A	RFQ
	Part#: MSP430F436IPZ Description: IC MCU 16BIT 24KB FLASH 100LQFP	Manufacturers: N/A	RFQ
	Part#: MSP430F438IPNR Description: IC MCU 16BIT 48KB FLASH 80LQFP	Manufacturers: N/A	RFQ
	Part#: MSP430F436IPZR Description: IC MCU 16BIT 24KB FLASH 100LQFP	Manufacturers: N/A	RFQ
	Part#: MSP430F448IPZR Description: IC MCU 16BIT 48KB FLASH 100LQFP	Manufacturers: N/A	RFQ
	Part#: MSP430F4371IPZ Description: IC MCU 16BIT 32KB FLASH 100LQFP	Manufacturers: N/A	RFQ
	Part#: MSP430F437IPZ Description: IC MCU 16BIT 32KB FLASH 100LQFP	Manufacturers: N/A	RFQ
	Part#: MSP430F439IPN Description: IC MCU 16BIT 60KB FLASH 80LQFP	Manufacturers: N/A	RFQ
	Part#: MSP430F437IPN Description: IC MCU 16BIT 32KB FLASH 80LQFP	Manufacturers: N/A	RFQ
	Part#: MSP430F437IPNR Description: IC MCU 16BIT 32KB FLASH 80LQFP	Manufacturers: N/A	RFQ
	Part#: MSP430F4371IPZR Description: IC MCU 16BIT 32KB FLASH 100LQFP	Manufacturers: N/A	RFQ
	Part#: MSP430F447IPZR Description: IC MCU 16BIT 32KB FLASH 100LQFP	Manufacturers: N/A	RFQ
	Part#: MSP430F447IPZ Description: IC MCU 16BIT 32KB FLASH 100LQFP	Manufacturers: N/A	RFQ
	Part#: MSP430F4491IPZ Description: IC MCU 16BIT 60KB FLASH 100LQFP	Manufacturers: N/A	RFQ
	Part#: MSP430F4481IPZR Description: IC MCU 16BIT 48KB FLASH 100LQFP	Manufacturers: N/A	RFQ
	Part#: MSP430F4371IPNR Description: IC MCU 16BIT 32KB FLASH 80LQFP	Manufacturers: N/A	RFQ

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