


N/A

### MSP430FG438IPN

Part Number: MSP430FG438IPN  
 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



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Image may be representation. See specifications for product details.

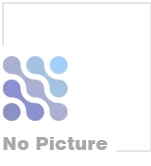
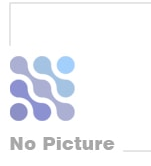
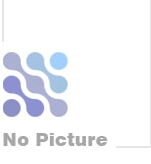
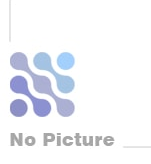
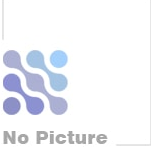
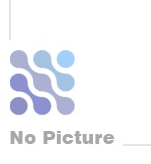
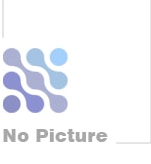
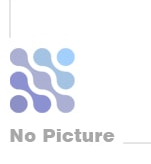
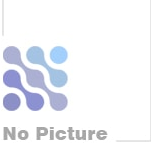
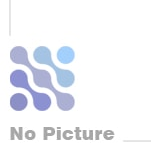
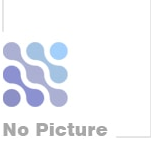
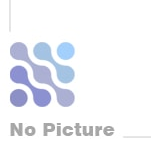
#### Specifications of MSP430FG438IPN

PART NUMBER	MSP430FG438IPN
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	296-17012
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	12 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, D/A 2x12b
CORE SIZE	16-Bit
CORE PROCESSOR	MSP430
CONNECTIVITY	SPI, UART/USART
BASE PART NUMBER	MSP430FG438

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 <b>MSP430FG437IPN</b> Manufacturers: N/A Description: IC MCU 16BIT 32KB FLASH 80LQFP In stock: 18666 pcs <a href="#">RFQ</a>	 <b>MSP430FG438IZCAR</b> Manufacturers: N/A Description: IC MCU 16BIT 48KB FLASH 113NFBGA In stock: 21179 pcs <a href="#">RFQ</a>
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 <b>MSP430FG437IZCAT</b> Manufacturers: N/A Description: IC MCU 16BIT 32KB FLASH 113NFBGA In stock: 15167 pcs <a href="#">RFQ</a>	 <b>MSP430FG439IPNR</b> Manufacturers: N/A Description: IC MCU 16BIT 60KB FLASH 80LQFP In stock: 12859 pcs <a href="#">RFQ</a>
 <b>MSP430FG438IZCAT</b> Manufacturers: N/A Description: IC MCU 16BIT 48KB FLASH 113NFBGA In stock: 13145 pcs <a href="#">RFQ</a>	 <b>MSP430FG439IZCAR</b> Manufacturers: N/A Description: IC MCU 16BIT 60KB FLASH 113NFBGA In stock: 15070 pcs <a href="#">RFQ</a>
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