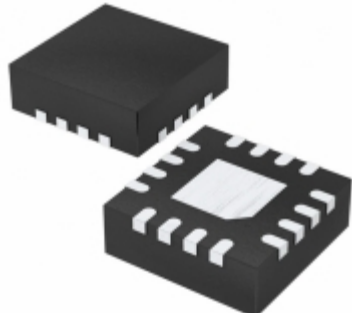


PIC16F688-I/ML



Images are for reference only.
See Product Specifications for product details.
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Part Number: [PIC16F688-I/ML](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 8BIT 7KB FLASH 16QFN

Data sheet:

 [PIC16F688 Rev A3 Errata](#)

 [PIC12F6xx,PIC16F6xx Programming Spec](#)

 [Tips N Tricks Guide](#)

 [Timer1 Errata](#)

 [PIC16F688 Rev A4 Silicon/Data Sheet Errata](#)

 [PIC16F688 Data Sheet](#)

 [PICmicro™ Reference Manual](#)

 [MPLAB® ICE2000 Spec](#)

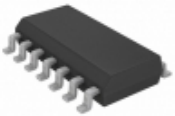
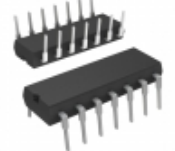
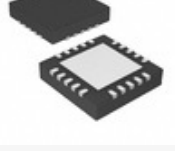
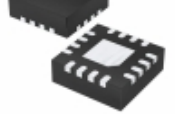
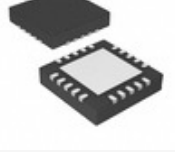
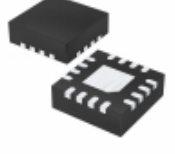
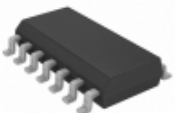
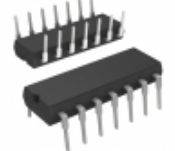
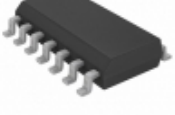
RoHs Status: Lead free / RoHS Compliant

Ship From: Hong Kong

Shipment Way: DHL/Fedex/TNT/UPS/EMS

Request For Quotation

PRODUCT PARAMETER			
Part Number	PIC16F688-I/ML	Manufacturer	Micrel / Microchip Technology
Description	IC MCU 8BIT 7KB FLASH 16QFN	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	66776 pcs	Data sheet	PIC16F688 Rev A3 Errata PIC12F6xx,PIC16F6xx Programming Spec Tips N Tricks Guide Timer1 Errata PIC16F688 Rev A4 Silicon/Data Sheet Errata PIC16F688 Data Sheet PICmicro™ Reference Manual MPLAB® ICE2000 Spec
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	2 V ~ 5.5 V
Supplier Device Package	16-QFN (4x4)	Speed	20MHz
Series	PIC® 16F	RAM Size	256 x 8
Program Memory Type	FLASH	Program Memory Size	7KB (4K x 14)
Peripherals	Brown-out Detect/Reset, POR, WDT	Packaging	Tube
Package / Case	16-VQFN Exposed Pad	Other Names	PIC16F688IML
Oscillator Type	Internal	Operating Temperature	-40°C ~ 85°C (TA)
Number of I/O	12	Moisture Sensitivity Level (MSL)	1 (Unlimited)
Manufacturer Standard Lead Time	14 Weeks	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
EEPROM Size	256 x 8	Detailed Description	PIC PIC® 16F Microcontroller IC 8-Bit 20MHz 7KB (4K x 14) FLASH 16-QFN (4x4)
Data Converters	A/D 8x10b	Core Size	8-Bit
Core Processor	PIC	Connectivity	UART/USART
Base Part Number	PIC16F688		
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	Part#: PIC16F687T-I/SO Description: IC MCU 8BIT 3.5KB FLASH 20SOIC	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: PIC16F688-E/ST Description: IC MCU 8BIT 7KB FLASH 14TSSOP	Manufacturers: Micrel / Microchip Technology	RFQ
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	Part#: PIC16F687T-I/ML Description: IC MCU 8BIT 3.5KB FLASH 20QFN	Manufacturers: Micrel / Microchip Technology	RFQ
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