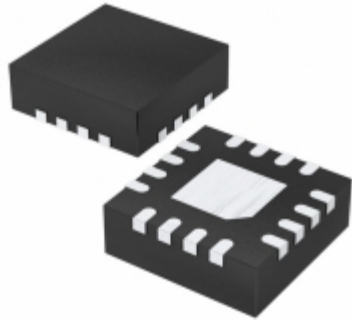


PIC16F688-E/ML



Images are for reference only.
See Product Specifications for product details.
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Part Number: [PIC16F688-E/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

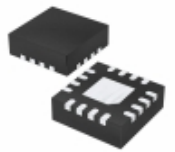
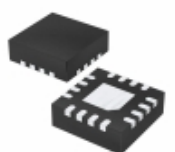
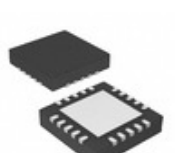
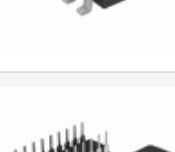
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Request For Quotation

PRODUCT PARAMETER			
Part Number	PIC16F688-E/ML	Manufacturer	Micrel / Microchip Technology
Description	IC MCU 8BIT 7KB FLASH 16QFN	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	72026 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	Oscillator Type	Internal
Operating Temperature	-40°C ~ 125°C (TA)	Number of I/O	12
Moisture Sensitivity Level (MSL)	1 (Unlimited)	Manufacturer Standard Lead Time	29 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#: PIC16F688T-I/ML Description: IC MCU 8BIT 7KB FLASH 16QFN	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: PIC16F687T-I/SO Description: IC MCU 8BIT 3.5KB FLASH 20SOIC	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: PIC16F687T-I/SS Description: IC MCU 8BIT 3.5KB FLASH 20SSOP	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: PIC16F687T-I/ML Description: IC MCU 8BIT 3.5KB FLASH 20QFN	Manufacturers: Micrel / Microchip Technology	RFQ
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	Part#: PIC16F688-I/P Description: IC MCU 8BIT 7KB FLASH 14DIP	Manufacturers: Micrel / Microchip Technology	RFQ
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