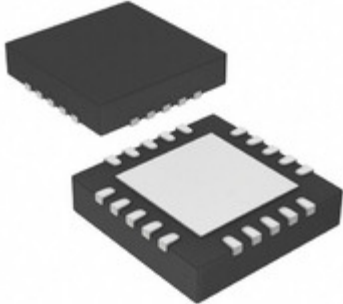


PIC16F689-E/ML



Images are for reference only.
See Product Specifications for product details.
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Part Number: [PIC16F689-E/ML](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 8BIT 7KB FLASH 20QFN

Data sheet:  [PIC12F6xx,PIC16F6xx Programming Spec](#)
 [PIC16F631, 68x, 690 Datasheet](#)
 [Tips N Tricks Guide](#)
 [Timer1 Errata](#)
 [PIC16F6xx Revision A Errata](#)

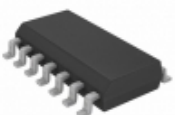
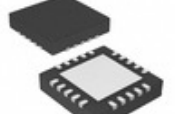
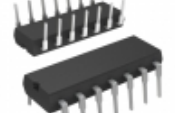
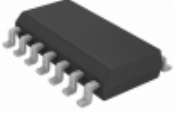
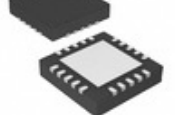
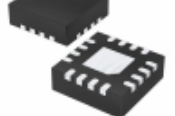
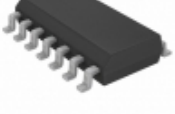
RoHs Status: Lead free / RoHS Compliant

Ship From: Hong Kong

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

Request For Quotation

PRODUCT PARAMETER			
Part Number	PIC16F689-E/ML	Manufacturer	Micrel / Microchip Technology
Description	IC MCU 8BIT 7KB FLASH 20QFN	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	54896 pcs	Data sheet	PIC12F6xx,PIC16F6xx Programming Spec PIC16F631, 68x, 690 Datasheet Tips N Tricks Guide Timer1 Errata PIC16F6xx Revision A Errata
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	2 V ~ 5.5 V
Supplier Device Package	20-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	20-VFQFN Exposed Pad	Oscillator Type	Internal
Operating Temperature	-40°C ~ 125°C (TA)	Number of I/O	18
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 20-QFN (4x4)	Data Converters	A/D 12x10b
Core Size	8-Bit	Core Processor	PIC
Connectivity	I²C, SPI, UART/USART	Base Part Number	PIC16F689
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	Part#: PIC16F689T-I/ML Description: IC MCU 8BIT 7KB FLASH 20QFN	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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