

PIC16F688T-I/ST



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Part Number: [PIC16F688T-I/ST](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 8BIT 7KB FLASH 14TSSOP

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](#)

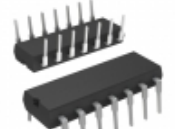
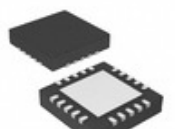
RoHs Status: Lead free / RoHS Compliant

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PRODUCT PARAMETER			
Part Number	PIC16F688T-I/ST	Manufacturer	Micrel / Microchip Technology
Description	IC MCU 8BIT 7KB FLASH 14TSSOP	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	61263 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	14-TSSOP	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	Cut Tape (CT)
Package / Case	14-TSSOP (0.173", 4.40mm Width)	Other Names	PIC16F688T-I/STCT
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	13 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 14-TSSOP
Data Converters	A/D 8x10b	Core Size	8-Bit
Core Processor	PIC	Connectivity	UART/USART
Base Part Number	PIC16F688		
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	Part#: PIC16F688-I/P Description: IC MCU 8BIT 7KB FLASH 14DIP	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: PIC16F689-I/ML Description: IC MCU 8BIT 7KB FLASH 20QFN	Manufacturers: Micrel / Microchip Technology	RFQ
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