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See specifications for product details.



PIC16F688-I/SL

Manufacturer Part Number	PIC16F688-I/SL
Manufacturer	Microchip Technology
Allelco Part Number	32D-PIC16F688-I/SL
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC MCU 8BIT 7KB FLASH 14SOIC
Package	14-SOIC (0.154", 3.90mm Width)
Data sheet	MPLAB® ICE2000 Spec.pdf Tips N Tricks Guide.pdf PIC12F6xx,PIC16F6xx Programming Spec.pdf PICmicro™ Reference Manual.pdf PIC16F688 Data Sheet.pdf
RoHS Status	ROHS3 Compliant

Get a Quote

PIC16F688-I/SL - Microchip Technology. New Original in Stock. Download Linear Technology PIC16F688-I/SL datasheet/specifications on AllelcoElec.com. Request a quote for PIC16F688-I/SL, please send us email: info@allelco.com

Specifications

PIC16F688-I/SL Tech Specifications

PIC16F688-I/SL - Microchip Technology technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Microchip Technology	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	2V ~ 5.5V	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package	14-SOIC	Number of I/O	12
Speed	20MHz	Mounting Type	Surface Mount
Series	PIC® 16F	EEPROM Size	256 x 8
RAM Size	256 x 8	Data Converters	A/D 8x10b
Program Memory Type	FLASH	Core Size	8-Bit
Program Memory Size	7KB (4K x 14)	Core Processor	PIC
Peripherals	Brown-out Detect/Reset, POR, WDT	Connectivity	UART/USART
Package / Case	14-SOIC (0.154", 3.90mm Width)	Base Product Number	PIC16F688
Package	Tube		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology PIC16F688-I/SL

Product Attribute				
Part Number	PIC16F688-I/SL	PIC16F689-I/SO	PIC16F688T-I/SL	PIC16F689-I/SS
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Base Product Number	PIC16F688	PIC16F689	PIC16F688	PIC16F689
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Core Processor	PIC	PIC	PIC	PIC
Oscillator Type	Internal	Internal	Internal	Internal
Series	PIC® 16F	PIC® 16F	PIC® 16F	PIC® 16F
Supplier Device Package	14-SOIC	20-SOIC	14-SOIC	20-SSOP
Program Memory Size	7KB (4K x 14)	7KB (4K x 14)	7KB (4K x 14)	7KB (4K x 14)
EEPROM Size	256 x 8	256 x 8	256 x 8	256 x 8
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Connectivity	UART/USART	I²C, SPI, UART/USART	UART/USART	I²C, SPI, UART/USART
RAM Size	256 x 8	256 x 8	256 x 8	256 x 8
Package	Tube	Tube	Tape & Reel (TR)	Tube
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
Data Converters	A/D 8x10b	A/D 12x10b	A/D 8x10b	A/D 12x10b
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Number of I/O	12	18	12	18
Peripherals	Brown-out Detect/Reset, POR, WDT	Brown-out Detect/Reset, POR, WDT	Brown-out Detect/Reset, POR, WDT	Brown-out Detect/Reset, POR, WDT
Speed	20MHz	20MHz	20MHz	20MHz
Voltage - Supply (Vcc/Vdd)	2V ~ 5.5V	2V ~ 5.5V	2V ~ 5.5V	2V ~ 5.5V
Package / Case	14-SOIC (0.154", 3.90mm Width)	20-SOIC (0.295", 7.50mm Width)	14-SOIC (0.154", 3.90mm Width)	20-SSOP (0.209", 5.30mm Width)

PIC16F688-I/SL Datasheet PDF

Download PIC16F688-I/SL pdf datasheets and Microchip Technology documentation for PIC16F688-I/SL - Microchip Technology.


Datasheets

[MPLAB® ICE2000 Spec.pdf](#)

[Tips N Tricks Guide.pdf](#)


[PIC12F6xx,PIC16F6xx Programming Spec.pdf](#)

 PICmicro™ Reference Manual.pdf


 PIC16F688 Data Sheet.pdf

PCN Packaging

 Label and Packing Changes 23/Sep/2015.pdf

 Packing Changes 10/Oct/2016.pdf

PCN Design/Specification

 Copper Bond Wire 5/Nov/2015.pdf

PCN Assembly/Origin

 Bond Wire 14/Feb/2017.pdf

Customers Also Interested in

Recommended Products



PIC16F689-I/SO

Microchip Technology
IC MCU 8BIT 7KB FLASH 20SOIC



PIC16F688T-I/SL

Microchip Technology
IC MCU 8BIT 7KB FLASH 14SOIC



NO PICTURE

PIC16F688T-I



NO PICTURE

PIC16F688-I

MICORCHI



PIC16F689-I/SS

Microchip Technology
IC MCU 8BIT 7KB FLASH 20SSOP



PIC16F689-E/SS

Microchip Technology
IC MCU 8BIT 7KB FLASH 20SSOP



PIC16F687-I/SS

Microchip Technology
IC MCU 8BIT 3.5KB FLASH 20SSOP



PIC16F688-I/P

Microchip Technology
IC MCU 8BIT 7KB FLASH 14DIP



PIC16F688-E/SL

Microchip Technology
IC MCU 8BIT 7KB FLASH 14SOIC



PIC16F687T-I/SS

Microchip Technology
IC MCU 8BIT 3.5KB FLASH 20SSOP



PIC16F689-I/P

Microchip Technology
IC MCU 8BIT 7KB FLASH 20DIP



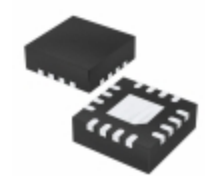
PIC16F687-I/SO

Microchip Technology
IC MCU 8BIT 3.5KB FLASH 20SOIC



PIC16F688T-E/SL

Microchip Technology
IC MCU 8BIT 7KB FLASH 14SOIC



PIC16F688-I/ML

Microchip Technology
IC MCU 8BIT 7KB FLASH 16QFN



PIC16F687T-I/SO

Microchip Technology
IC MCU 8BIT 3.5KB FLASH 20SOIC



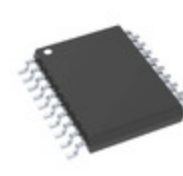
PIC16F687-I/P

Microchip Technology
IC MCU 8BIT 3.5KB FLASH 20DIP



PIC16F688-I/ST

Microchip Technology
IC MCU 8BIT 7KB FLASH 14TSSOP



PIC16F687-E/SS

Microchip Technology
IC MCU 8BIT 3.5KB FLASH 20SSOP

Shipment

Delivery Time

In-stock items can be shipped within 24 hours. Some parts will be arranged for delivery within 1-2 days from the date all items arrive at our warehouse. And Alleco ships order once a day at about 17:00, except Sunday. Once the goods are shipped, the estimated delivery time depends on the shipping methods and Delivery destination. The table below shows are the logistic time for some common countries.

Delivery Cost

> Use your express account for shipment if you have one.

> Use our account for the shipment. Refer to the table below for the approximate charges.

(Different time frame / countries / package size has different price.)

Delivery Method

> Global Common Shipment by DHL / UPS / FedEx / TNT / EMS / SF we support.

> Others more shipping ways, please get in touch with your customer manager.

Common Countries Logistic Time Reference

Region	Country	Logistic Time(Day)
America	United States	5
	Brazil	7
Europe	Germany	5
	United Kingdom	4
	Italy	5
Oceania	Australia	6
	New Zealand	7
Asia	India	6
	Japan	7
Middle East	Israel	6

DHL & FedEx Shipment Charges Reference

Shipment charges(KG)	Reference DHL(USD\$)
0.00kg-1.00kg	USD\$60.00
1.00kg-2.00kg	USD\$70.00
2.00kg-3.00kg	USD\$80.00

Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.

Contact us if you have any questions.

Payment Support

The payment method can be chosen from the methods shown below:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card,
PayPal.



Your Faithful Supply Chain Partner -



Efficient Supply
Management



Cost-Saving
Procurement



Fast Sourcing &
Delivery

Contact us if you have any questions.



Phone

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Email

info@alleco.com

Certifications & Memberships



View More

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