

Image may be representation.  
See specifications for product details.



## PIC12F508-I/MC

Manufacturer Part Number	<b>PIC12F508-I/MC</b>
Manufacturer	<b>Microchip Technology</b>
Allelco Part Number	32D-PIC12F508-I/MC
ECAD Model	Request Free CAD Models
Parts Description	IC MCU 8BIT 768B FLASH 8DFN
Package	8-VDFDN Exposed Pad
Data sheet	<b>Tips N Tricks Guide.pdf</b> <b>PIC12F508,509 Programming Spec.pdf</b> <b>PIC12F508/9, PIC16F505.pdf</b>
RoHs Status	ROHS3 Compliant

**Get a Quote**

PIC12F508-I/MC - Microchip Technology. New Original in Stock. Download Linear Technology PIC12F508-I/MC datasheet/specifications on AllelcoElec.com. Request a quote for PIC12F508-I/MC, please send us email: [info@allelco.com](mailto:info@allelco.com)

## Specifications

PIC12F508-I/MC Tech Specifications

PIC12F508-I/MC - 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	8-DFN (2x3)	Number of I/O	5
Speed	4MHz	Mounting Type	Surface Mount
Series	PIC® 12F	EEPROM Size	-
RAM Size	25 x 8	Data Converters	-
Program Memory Type	FLASH	Core Size	8-Bit
Program Memory Size	768B (512 x 12)	Core Processor	PIC
Peripherals	POR, WDT	Connectivity	-
Package / Case	8-VDFDN Exposed Pad	Base Product Number	PIC12F508
Package	Tube		

## Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology PIC12F508-I/MC

Product Attribute				
Part Number	PIC12F508-I/MC	<b>PIC12F508-I/MS</b>	<b>PIC12F508T-I/MS</b>	<b>PIC12F1840-I/SN</b>
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
RAM Size	25 x 8	25 x 8	25 x 8	256 x 8
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Number of I/O	5	5	5	5
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
Program Memory Size	768B (512 x 12)	768B (512 x 12)	768B (512 x 12)	7KB (4K x 14)
EEPROM Size	-	-	-	256 x 8
Package / Case	8-VDFDN Exposed Pad	8-TSSOP, 8-MSOP (0.118", 3.00mm Width)	8-TSSOP, 8-MSOP (0.118", 3.00mm Width)	8-SOIC (0.154", 3.90mm Width)
Data Converters	-	-	-	A/D 4x10b; D/A 1x5b
Package	Tube	Tube	Tape & Reel (TR)	Tube
Peripherals	POR, WDT	POR, WDT	POR, WDT	Brown-out Detect/Reset, POR, PWM, WDT
Series	PIC® 12F	PIC® 12F	PIC® 12F	PIC® XLP™ 12F
Speed	4MHz	4MHz	4MHz	32MHz
Supplier Device Package	8-DFN (2x3)	8-MSOP	8-MSOP	8-SOIC
Connectivity	-	-	-	I <sup>2</sup> C, LINbus, SPI, UART/USART
Oscillator Type	Internal	Internal	Internal	Internal
Base Product Number	PIC12F508	PIC12F508	PIC12F508	PIC12F1840
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Core Processor	PIC	PIC	PIC	PIC
Voltage - Supply (Vcc/Vdd)	2V ~ 5.5V	2V ~ 5.5V	2V ~ 5.5V	2.3V ~ 5.5V

## PIC12F508-I/MC Datasheet PDF

Download PIC12F508-I/MC pdf datasheets and Microchip Technology documentation for PIC12F508-I/MC - Microchip Technology.

### Datasheets

- [Tips N Tricks Guide.pdf](#)
- [PIC12F508,509 Programming Spec.pdf](#)
- [PIC12F508/9, PIC16F505.pdf](#)

### PCN Packaging

Label and Packing Changes 23/Sep/2015.pdf

Packing Changes 10/Oct/2016.pdf

### PCN Design/Specification

Mold Compound Update 18/Feb/2015.pdf

New DeviceDoc 14/May/2016.pdf

### PCN Assembly/Origin

Assembly Site 27/Jan/2021.pdf

## Customers Also Interested in

### Recommended Products



#### PIC12F508-I/MS

Microchip Technology  
IC MCU 8BIT 768B FLASH 8MSOP



#### PIC12F508T-I/MS

Microchip Technology  
IC MCU 8BIT 768B FLASH 8MSOP



#### PIC12F508-I/SN.

Micrel / Microchip Technology



#### PIC12F1840T-E/SN

Micrel / Microchip Technology



#### PIC12F1840-I/SN

Microchip Technology  
IC MCU 8BIT 7KB FLASH 8SOIC



#### PIC12F508-E/P

Microchip Technology  
IC MCU 8BIT 768B FLASH 8DIP



#### PIC12F1840-E/SN

Microchip Technology  
IC MCU 8BIT 7KB FLASH 8SOIC



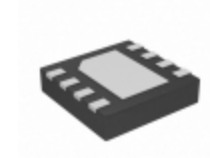
#### PIC12F508T-I/MC046

Micrel / Microchip Technology



#### PIC12F508-I/P

Microchip Technology  
IC MCU 8BIT 768B FLASH 8DIP



#### PIC12F1840-I/MF

Microchip Technology  
IC MCU 8BIT 7KB FLASH 8DFN



#### PIC12F508T-I/SN

Microchip Technology  
IC MCU 8BIT 768B FLASH 8SOIC



#### PIC12F1840T-I/SNVAO

Micrel / Microchip Technology



#### PIC12F509-E/MS

Microchip Technology  
IC MCU 8BIT 1.5KB FLASH 8MSOP



#### PIC12F508T-E/SN

Microchip Technology  
IC MCU 8BIT 768B FLASH 8SOIC



#### PIC12F508-I/SN

Microchip Technology  
IC MCU 8BIT 768B FLASH 8SOIC



#### PIC12F1822T-I/SN

Microchip Technology  
IC MCU 8BIT 3.5KB FLASH 8SOIC



#### PIC12F509-E/P

Microchip Technology  
IC MCU 8BIT 1.5KB FLASH 8DIP



#### PIC12F508-E/SN

Microchip Technology  
IC MCU 8BIT 768B FLASH 8SOIC

## 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 Allelco 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

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### Certifications & Memberships



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