

Image may be representation.  
See specifications for product details.



## PIC12F508T-I/MS

Manufacturer Part Number	<b>PIC12F508T-I/MS</b>
Manufacturer	<b>Microchip Technology</b>
Allelco Part Number	32D-PIC12F508T-I/MS
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 8BIT 768B FLASH 8MSOP
Package	8-TSSOP, 8-MSOP (0.118", 3.00mm Width)
Data sheet	<a href="#">Tips N Tricks Guide.pdf</a> <a href="#">PIC12F508,509 Programming Spec.pdf</a> <a href="#">PIC12F508/9, PIC16F505.pdf</a>
RoHs Status	ROHS3 Compliant

**Get a Quote**

PIC12F508T-I/MS - Microchip Technology. New Original in Stock. Download Linear Technology PIC12F508T-I/MS datasheet/specifications on AllelcoElec.com. Request a quote for PIC12F508T-I/MS, please send us email: [info@allelco.com](mailto:info@allelco.com)

## Specifications

PIC12F508T-I/MS Tech Specifications  
PIC12F508T-I/MS - 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-MSOP	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-TSSOP, 8-MSOP (0.118", 3.00mm Width)	Base Product Number	PIC12F508
Package	Tape & Reel (TR)		

## Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology PIC12F508T-I/MS

Product Attribute				
Part Number	PIC12F508T-I/MS	PIC12F508-I/MS	PIC12F509-I/SM	PIC12F508T-E/SN
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Connectivity	-	-	-	-
Peripherals	POR, WDT	POR, WDT	POR, WDT	POR, WDT
Core Processor	PIC	PIC	PIC	PIC
Data Converters	-	-	-	-
Number of I/O	5	5	5	5
Base Product Number	PIC12F508	PIC12F508	PIC12F509	PIC12F508
Package / Case	8-TSSOP, 8-MSOP (0.118", 3.00mm Width)	8-TSSOP, 8-MSOP (0.118", 3.00mm Width)	8-SOIC (0.209", 5.30mm Width)	8-SOIC (0.154", 3.90mm Width)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
EEPROM Size	-	-	-	-
Speed	4MHz	4MHz	4MHz	4MHz
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Oscillator Type	Internal	Internal	Internal	Internal
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 125°C (TA)
RAM Size	25 x 8	25 x 8	41 x 8	25 x 8
Series	PIC® 12F	PIC® 12F	PIC® 12F	PIC® 12F
Package	Tape & Reel (TR)	Tube	Tube	Tape & Reel (TR)
Program Memory Size	768B (512 x 12)	768B (512 x 12)	1.5KB (1K x 12)	768B (512 x 12)
Supplier Device Package	8-MSOP	8-MSOP	8-SOIJ	8-SOIC
Voltage - Supply (Vcc/Vdd)	2V ~ 5.5V	2V ~ 5.5V	2V ~ 5.5V	2V ~ 5.5V

## PIC12F508T-I/MS Datasheet PDF

Download PIC12F508T-I/MS pdf datasheets and Microchip Technology documentation for PIC12F508T-I/MS - Microchip Technology.

### PCN Packaging



Label and Packing Changes 23/Sep/2015.pdf



Reel Design Update 07/May/2015.pdf

### HTML Datasheet

PCN Assembly/Origin

2.73KHz.pdf














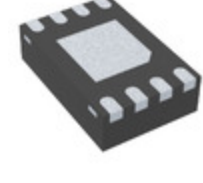

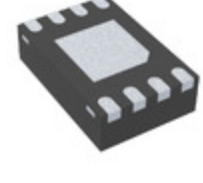


PCN Design/Specification

Bond Wire Qualification 08/Jun/2016.pdf

New DeviceDoc 14/May/2016.pdf

Customers Also Interested in

Recommended Products

					
<b>PIC12F508-I/MS</b> Microchip Technology IC MCU 8BIT 768B FLASH 8MSOP	<b>PIC12F509-I/SM</b> Microchip Technology IC MCU 8BIT 1.5KB FLASH 8SOIC	<b>PIC12F508T-E/SN</b> Microchip Technology IC MCU 8BIT 768B FLASH 8SOIC	<b>PIC12F509-E/SN</b> Microchip Technology IC MCU 8BIT 1.5KB FLASH 8SOIC	<b>PIC12F509-I/SN</b> Microchip Technology IC MCU 8BIT 1.5KB FLASH 8SOIC	<b>PIC12F508-E/SN</b> Microchip Technology IC MCU 8BIT 768B FLASH 8SOIC
					
<b>PIC12F508-I/P</b> Microchip Technology IC MCU 8BIT 768B FLASH 8DIP	<b>PIC12F508T-I/SN</b> Microchip Technology IC MCU 8BIT 768B FLASH 8SOIC	<b>PIC12F508-E/P</b> Microchip Technology IC MCU 8BIT 768B FLASH 8DIP	<b>PIC12F509-I/MS</b> Microchip Technology IC MCU 8BIT 1.5KB FLASH 8MSOP	<b>PIC12F508-I/SN</b> Microchip Technology IC MCU 8BIT 768B FLASH 8SOIC	<b>PIC12F509-I/P</b> Microchip Technology IC MCU 8BIT 1.5KB FLASH 8DIP
					
<b>PIC12F509-E/MS</b> Microchip Technology IC MCU 8BIT 1.5KB FLASH 8MSOP	<b>PIC12F509-I/MC</b> Microchip Technology IC MCU 8BIT 1.5KB FLASH 8DFN	<b>PIC12F1840T-I/SNVAO</b> Micrel / Microchip Technology	<b>PIC12F508-I/MC</b> Microchip Technology IC MCU 8BIT 768B FLASH 8DFN	<b>PIC12F509-E/P</b> Microchip Technology IC MCU 8BIT 1.5KB FLASH 8DIP	<b>PIC12F509T-E/SN</b> Microchip Technology IC MCU 8BIT 1.5KB 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
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Contact us if you have any questions.

 Phone +00852 9146 4856	 Email info@allelco.com
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Certifications & Memberships



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