

Image may be representation.
See specifications for product details.



PIC12F508-I/SN

Manufacturer Part Number	PIC12F508-I/SN
Manufacturer	Microchip Technology
Allelco Part Number	32D-PIC12F508-I/SN
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 8BIT 768B FLASH 8SOIC
Package	8-SOIC (0.154', 3.90mm Width)
Data sheet	Tips N Tricks Guide.pdf PIC12F508,509 Programming Spec.pdf PIC12F508/9, PIC16F505.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

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

Specifications

PIC12F508-I/SN Tech Specifications

PIC12F508-I/SN - 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-SOIC	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-SOIC (0.154', 3.90mm Width)	Base Product Number	PIC12F508
Package	Tube		

Parts with Similar Specifications

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

Product Attribute				
Part Number	PIC12F508-I/SN	PIC12F508T-E/SN	PIC12F508T-I/SN	PIC12F508-I/P
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Base Product Number	PIC12F508	PIC12F508	PIC12F508	PIC12F508
Number of I/O	5	5	5	5
Package / Case	8-SOIC (0.154', 3.90mm Width)	8-SOIC (0.154', 3.90mm Width)	8-SOIC (0.154', 3.90mm Width)	8-DIP (0.300', 7.62mm)
RAM Size	25 x 8	25 x 8	25 x 8	25 x 8
Supplier Device Package	8-SOIC	8-SOIC	8-SOIC	8-PDIP
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
EEPROM Size	-	-	-	-
Speed	4MHz	4MHz	4MHz	4MHz
Package	Tube	Tape & Reel (TR)	Tape & Reel (TR)	Tube
Voltage - Supply (Vcc/Vdd)	2V ~ 5.5V	2V ~ 5.5V	2V ~ 5.5V	2V ~ 5.5V
Peripherals	POR, WDT	POR, WDT	POR, WDT	POR, WDT
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Through Hole
Oscillator Type	Internal	Internal	Internal	Internal
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Program Memory Size	768B (512 x 12)	768B (512 x 12)	768B (512 x 12)	768B (512 x 12)
Connectivity	-	-	-	-
Series	PIC® 12F	PIC® 12F	PIC® 12F	PIC® 12F
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
Core Processor	PIC	PIC	PIC	PIC
Data Converters	-	-	-	-

PIC12F508-I/SN Datasheet PDF

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

PCN Packaging

[Label and Packing Changes 23/Sep/2015.pdf](#)

[Packing Changes 10/Oct/2016.pdf](#)

PCN Assembly/Origin

2.73KHz.pdf

PCN Design/Specification

Multiple Devices Datasheet Update
18/Aug/2014.pdf

New DeviceDoc 14/May/2016.pdf

HTML Datasheet

Tips N Tricks Guide.pdf

PIC12F508,509 Programming Spec.pdf

PIC12F508/9, PIC16F505.pdf

Customers Also Interested in

Recommended Products



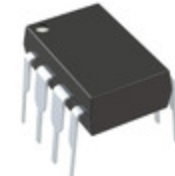
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Microchip Technology
IC MCU 8BIT 768B FLASH 8SOIC



PIC12F508T-I/SN
Microchip Technology
IC MCU 8BIT 768B FLASH 8SOIC



PIC12F1840T-E/SN
Micrel / Microchip Technology



PIC12F508-I/P
Microchip Technology
IC MCU 8BIT 768B FLASH 8DIP



PIC12F508-I/MS
Microchip Technology
IC MCU 8BIT 768B FLASH 8MSOP



PIC12F508-E/SN
Microchip Technology
IC MCU 8BIT 768B FLASH 8SOIC



PIC12F509-E/P
Microchip Technology
IC MCU 8BIT 1.5KB FLASH 8DIP



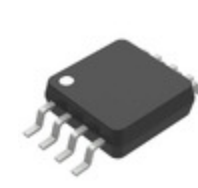
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Microchip Technology
IC MCU 8BIT 7KB FLASH 8SOIC



PIC12F509-I/MS
Microchip Technology
IC MCU 8BIT 1.5KB FLASH 8MSOP



PIC12F508T-I/MS
Microchip Technology
IC MCU 8BIT 768B FLASH 8MSOP



PIC12F509-E/MS
Microchip Technology
IC MCU 8BIT 1.5KB FLASH 8MSOP



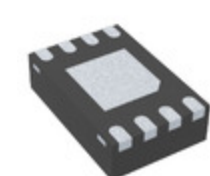
PIC12F509-E/SN
Microchip Technology
IC MCU 8BIT 1.5KB FLASH 8SOIC



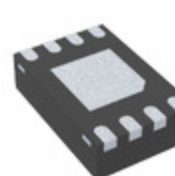
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PIC12F508T-I/MC046
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PIC12F509-I/MC
Microchip Technology
IC MCU 8BIT 1.5KB FLASH 8DFN



PIC12F508-I/MC
Microchip Technology
IC MCU 8BIT 768B FLASH 8DFN



PIC12F1840T-I/SNVAO
Micrel / Microchip Technology



PIC12F508-E/P
Microchip Technology
IC MCU 8BIT 768B FLASH 8DIP

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.

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Certifications & Memberships



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