

Image may be representation.
See specifications for product details.



PIC12F510-I/MS

Manufacturer Part Number	PIC12F510-I/MS
Manufacturer	Microchip Technology
Allelco Part Number	32D-PIC12F510-I/MS
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC MCU 8BIT 1.5KB FLASH 8MSOP
Package	8-TSSOP, 8-MSOP (0.118", 3.00mm Width)
Data sheet	Tips N Tricks Guide.pdf PIC1xF5xx.pdf PIC12F510 Programming Spec.pdf
RoHs Status	ROHS3 Compliant

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PIC12F510-I/MS - Microchip Technology. New Original in Stock. Download Linear Technology PIC12F510-I/MS datasheet/specifications on AllelcoElec.com. Request a quote for PIC12F510-I/MS, please send us email: info@allelco.com

Specifications

PIC12F510-I/MS Tech Specifications

PIC12F510-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	8MHz	Mounting Type	Surface Mount
Series	PIC® 12F	EEPROM Size	-
RAM Size	38 x 8	Data Converters	A/D 4x8b
Program Memory Type	FLASH	Core Size	8-Bit
Program Memory Size	1.5KB (1K x 12)	Core Processor	PIC
Peripherals	POR, WDT	Connectivity	-
Package / Case	8-TSSOP, 8-MSOP (0.118", 3.00mm Width)	Base Product Number	PIC12F510
Package	Tube		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology PIC12F510-I/MS

Product Attribute				
Part Number	PIC12F510-I/MS	PIC12F510-E/SN	PIC12F510-I/MC	PIC12F510-I/P
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
EEPROM Size	-	-	-	-
RAM Size	38 x 8	38 x 8	38 x 8	38 x 8
Core Processor	PIC	PIC	PIC	PIC
Supplier Device Package	8-MSOP	8-SOIC	8-DFN (2x3)	8-PDIP
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
Peripherals	POR, WDT	POR, WDT	POR, WDT	POR, WDT
Speed	8MHz	8MHz	8MHz	8MHz
Program Memory Size	1.5KB (1K x 12)	1.5KB (1K x 12)	1.5KB (1K x 12)	1.5KB (1K x 12)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Through Hole
Base Product Number	PIC12F510	PIC12F510	PIC12F510	PIC12F510
Voltage - Supply (Vcc/Vdd)	2V ~ 5.5V	2V ~ 5.5V	2V ~ 5.5V	2V ~ 5.5V
Data Converters	A/D 4x8b	A/D 4x8b	A/D 4x8b	A/D 4x8b
Package / Case	8-TSSOP, 8-MSOP (0.118", 3.00mm Width)	8-SOIC (0.154", 3.90mm Width)	8-VDFN Exposed Pad	8-DIP (0.300", 7.62mm)
Connectivity	-	-	-	-
Package	Tube	Tube	Tube	Tube
Series	PIC® 12F	PIC® 12F	PIC® 12F	PIC® 12F
Oscillator Type	Internal	Internal	Internal	Internal
Number of I/O	5	5	5	5

PIC12F510-I/MS Datasheet PDF

Download PIC12F510-I/MS pdf datasheets and Microchip Technology documentation for PIC12F510-I/MS - Microchip Technology.

PCN Packaging



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



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

HTML Datasheet

PCN Assembly/Origin


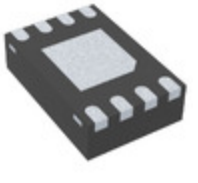

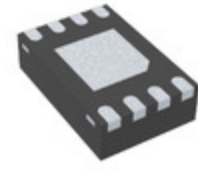














2.73KHz.pdf

PCN Design/Specification

Cylindrical Battery Holders.pdf

Customers Also Interested in

Recommended Products

					
PIC12F510-E/SN Microchip Technology IC MCU 8BIT 1.5KB FLASH 8SOIC	PIC12F510-I/MC Microchip Technology IC MCU 8BIT 1.5KB FLASH 8DFN	PIC12F510-I/P Microchip Technology IC MCU 8BIT 1.5KB FLASH 8DIP	PIC12F510T-I/MC Microchip Technology IC MCU 8BIT 1.5KB FLASH 8DFN	PIC12F510-I/SN Microchip Technology IC MCU 8BIT 1.5KB FLASH 8SOIC	PIC12F509T-E/SN Microchip Technology IC MCU 8BIT 1.5KB FLASH 8SOIC
					
PIC12F509T-I/SM Micrel / Microchip Technology	PIC12F509-I/SM Microchip Technology IC MCU 8BIT 1.5KB FLASH 8SOIC	PIC12F509T-I/SN Microchip Technology IC MCU 8BIT 1.5KB FLASH 8SOIC	PIC12F510-I/MSC Micrel / Microchip Technology	PIC12F5101-E/MS MICROCHIL	PIC12F510E Micrel / Microchip Technology
					
PIC12F509-I/SN Microchip Technology IC MCU 8BIT 1.5KB FLASH 8SOIC	PIC12F510T-I/SN Microchip Technology IC MCU 8BIT 1.5KB FLASH 8SOIC	PIC12F510-E/P Microchip Technology IC MCU 8BIT 1.5KB FLASH 8DIP	PIC12F510T-E/SN Micrel / Microchip Technology	PIC12F509T-I/MS Microchip Technology IC MCU 8BIT 1.5KB FLASH 8MSOP	PIC12F509-I/P Microchip Technology IC MCU 8BIT 1.5KB 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 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
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Contact us if you have any questions.

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Certifications & Memberships



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