



Image may be representation.
See specifications for product details.



PIC16F1509-I/SS

Manufacturer Part Number **PIC16F1509-I/SS**

Manufacturer **Microchip Technology**

Allelco Part Number **32D-PIC16F1509-I/SS**

ECAD Model PCB Symbol, Footprint & 3D Model

Parts Description **IC MCU 8BIT 14KB FLASH 20SSOP**

Package **20-SSOP (0.209", 5.30mm Width)**

Data sheet **[Configurable Logic Cell Tip N Tricks.pdf](#)**

[PIC16\(L\)F1508,09 Datasheet.pdf](#)

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RoHs Status **ROHS3 Compliant**

Get a Quote

PIC16F1509-I/SS - Microchip Technology.New Original in Stock. Download Linear Technology PIC16F1509-I/SS datasheet/specifications on AllelcoElec.com.
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Specifications

PIC16F1509-I/SS Tech Specifications

PIC16F1509-I/SS - Microchip Technology technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Microchip Technology	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	2.3V ~ 5.5V	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package	20-SSOP	Number of I/O	17
Speed	20MHz	Mounting Type	Surface Mount
Series	PIC® XLP™ 16F	EEPROM Size	-
RAM Size	512 x 8	Data Converters	A/D 12x10b; D/A 1x5b
Program Memory Type	FLASH	Core Size	8-Bit
Program Memory Size	14KB (8K x 14)	Core Processor	PIC
Peripherals	Brown-out Detect/Reset, POR, PWM, WDT	Connectivity	I²C, LINbus, SPI, UART/USART
Package / Case	20-SSOP (0.209", 5.30mm Width)	Base Product Number	PIC16F1509
Package	Tube		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology PIC16F1509-I/SS

Product Attribute				
Part Number	PIC16F1509-I/SS	PIC16F1509-I/ML	PIC16F1512-I/SP	PIC16F1512-I/SS
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Oscillator Type	Internal	Internal	Internal	Internal
RAM Size	512 x 8	512 x 8	128 x 8	128 x 8
Package / Case	20-SSOP (0.209", 5.30mm Width)	20-VQFN Exposed Pad	28-DIP (0.300", 7.62mm)	28-SSOP (0.209", 5.30mm Width)
Core Processor	PIC	PIC	PIC	PIC
Package	Tube	Tube	Tube	Tube
Number of I/O	17	17	25	25
Base Product Number	PIC16F1509	PIC16F1509	PIC16F1512	PIC16F1512
Voltage - Supply (Vcc/Vdd)	2.3V ~ 5.5V	2.3V ~ 5.5V	2.3V ~ 5.5V	2.3V ~ 5.5V
Mounting Type	Surface Mount	Surface Mount	Through Hole	Surface Mount
Program Memory Type	FLASH	FLASH	FLASH	FLASH
EEPROM Size	-	-	-	-
Series	PIC® XLP™ 16F	PIC® XLP™ 16F	PIC® XLP™ 16F	PIC® XLP™ 16F
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Connectivity	I²C, LINbus, SPI, UART/USART	I²C, LINbus, SPI, UART/USART	I²C, LINbus, SPI, UART/USART	I²C, LINbus, SPI, UART/USART
Peripherals	Brown-out Detect/Reset, POR, PWM, WDT	Brown-out Detect/Reset, POR, PWM, WDT	Brown-out Detect/Reset, POR, PWM, WDT	Brown-out Detect/Reset, POR, PWM, WDT
Data Converters	A/D 12x10b; D/A 1x5b	A/D 12x10b; D/A 1x5b	A/D 17x10b	A/D 17x10b
Supplier Device Package	20-SSOP	20-QFN (4x4)	28-SPDIP	28-SSOP
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
Program Memory Size	14KB (8K x 14)	14KB (8K x 14)	3.5KB (2K x 14)	3.5KB (2K x 14)
Speed	20MHz	20MHz	20MHz	20MHz

PIC16F1509-I/SS Datasheet PDF

Download PIC16F1509-I/SS pdf datasheets and Microchip Technology documentation for PIC16F1509-I/SS - Microchip Technology.

Datasheets

[Configurable Logic Cell Tip N Tricks.pdf](#)

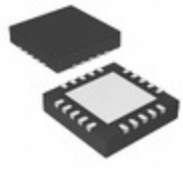




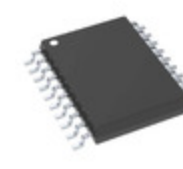




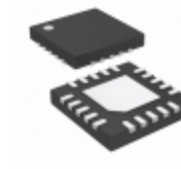
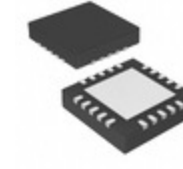

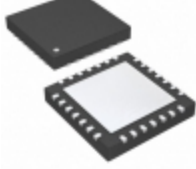
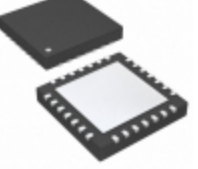

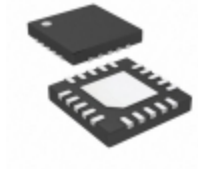

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PCN Packaging

Customers Also Interested in

Recommended Products

 PIC16F1509-I/ML Microchip Technology IC MCU 8BIT 14KB FLASH 20QFN	 PIC16F1512-I/SP Microchip Technology IC MCU 8BIT 3.5KB FLASH 28SPDIP	 PIC16F1512-I/SS Microchip Technology IC MCU 8BIT 3.5KB FLASH 28SSOP	 PIC16F1508T-I/SS Microchip Technology IC MCU 8BIT 7KB FLASH 20SSOP	 PIC16F1509T-I/SO Microchip Technology IC MCU 8BIT 14KB FLASH 20SOIC	 PIC16F1509-E/SS Microchip Technology IC MCU 8BIT 14KB FLASH 20SSOP
 PIC16F1509T-I/SS Microchip Technology IC MCU 8BIT 14KB FLASH 20SSOP	 PIC16F1512-E/SO Microchip Technology IC MCU 8BIT 3.5KB FLASH 28SOIC	 PIC16F1508T-E/ML Micrel / Microchip Technology	 PIC16F1508T-E/SS Micrel / Microchip Technology	 PIC16F1509-I/GZ Microchip Technology IC MCU 8BIT 14KB FLASH 20UQFN	 PIC16F1508T-I/ML Microchip Technology IC MCU 8BIT 7KB FLASH 20QFN
 PIC16F1512-E/SP Microchip Technology IC MCU 8BIT 3.5KB FLASH 28SPDIP	 PIC16F1512-E/MV Microchip Technology IC MCU 8BIT 3.5KB FLASH 28UQFN	 PIC16F1512-I/MV Microchip Technology IC MCU 8BIT 3.5KB FLASH 28UQFN	 PIC16F1512-I/SO Microchip Technology IC MCU 8BIT 3.5KB FLASH 28SOIC	 PIC16F1508T-I/GZ Microchip Technology IC MCU 8BIT 7KB FLASH 20UQFN	 PIC16F1509-I/SO Microchip Technology IC MCU 8BIT 14KB FLASH 20SOIC

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

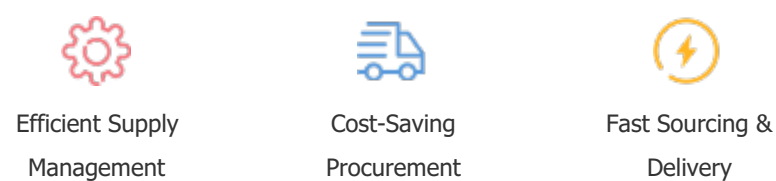
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.
Contact us if you have any questions.

Payment Support

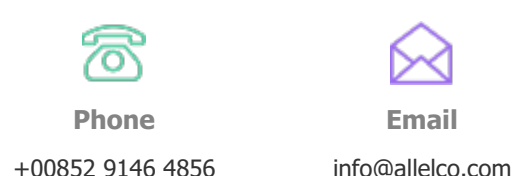
The payment method can be chosen from the methods shown below:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card,
PayPal.



Your Faithful Supply Chain Partner -



Contact us if you have any questions.



Certifications & Memberships



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