



Image may be representation.
See specifications for product details.



PIC16LF1509-I/SS

Manufacturer Part Number	PIC16LF1509-I/SS
Manufacturer	Microchip Technology
Allelco Part Number	32D-PIC16LF1509-I/SS
ECAD Model	PCB Symbol, Footprint & 3D Mode
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
RoHs Status	ROHS3 Compliant

Get a Quote

PIC16LF1509-I/SS - Microchip Technology. New Original in Stock. Download Linear Technology PIC16LF1509-I/SS datasheet/specifications on AllelcoElec.com.
Request a quote for PIC16LF1509-I/SS, please send us email: info@allelco.com

Specifications

PIC16LF1509-I/SS Tech Specifications

PIC16LF1509-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)	1.8V ~ 3.6V	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	PIC16LF1509
Package	Tube		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology PIC16LF1509-I/SS

Product Attribute				
Part Number	PIC16LF1509-I/SS	PIC16LF1517-I/PT	PIC16LF1513-I/SS	PIC16LF1508-E/SS
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 125°C (TA)
Oscillator Type	Internal	Internal	Internal	Internal
EEPROM Size	-	-	-	-
Core Processor	PIC	PIC	PIC	PIC
Program Memory Size	14KB (8K x 14)	14KB (8K x 14)	7KB (4K x 14)	7KB (4K x 14)
RAM Size	512 x 8	512 x 8	256 x 8	256 x 8
Number of I/O	17	36	25	17
Data Converters	A/D 12x10b; D/A 1x5b	A/D 28x10b	A/D 17x10b	A/D 12x10b; D/A 1x5b
Voltage - Supply (Vcc/Vdd)	1.8V ~ 3.6V	1.8V ~ 3.6V	1.8V ~ 3.6V	1.8V ~ 3.6V
Series	PIC® XLP™ 16F	PIC® XLP™ 16F	PIC® XLP™ 16F	PIC® XLP™ 16F
Speed	20MHz	20MHz	20MHz	20MHz
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
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Connectivity	I²C, LINbus, SPI, UART/USART	I²C, LINbus, SPI, UART/USART	I²C, LINbus, SPI, UART/USART	I²C, LINbus, SPI, UART/USART
Supplier Device Package	20-SSOP	44-TQFP (10x10)	28-SSOP	20-SSOP
Base Product Number	PIC16LF1509	PIC16LF1517	PIC16LF1513	PIC16LF1508
Package	Tube	Tray	Tube	Tube
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
Package / Case	20-SSOP (0.209", 5.30mm Width)	44-TQFP	28-SSOP (0.209", 5.30mm Width)	20-SSOP (0.209", 5.30mm Width)

PIC16LF1509-I/SS Datasheet PDF

Download PIC16LF1509-I/SS pdf datasheets and Microchip Technology documentation for PIC16LF1509-I/SS - Microchip Technology.

Datasheets

PIC16(L)F1508,09 Datasheet.pdf

PCN Packaging

Label and Packing Changes 23/Sep/2015.pdf

Packing Changes 10/Oct/2016.pdf

HTML Datasheet



Configurable Logic Cell Tip N Tricks.pdf





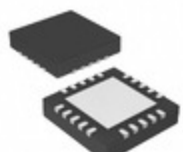



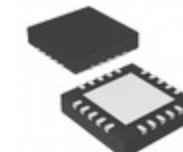
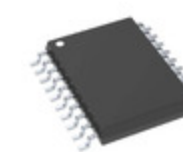
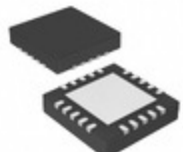


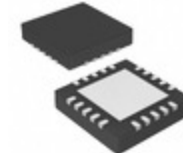

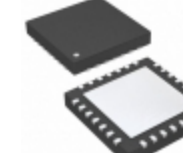

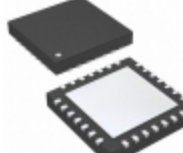
PCN Design/Specification



Lead Frame 22/Dec/2016.pdf

Customers Also Interested in

Recommended Products

					
PIC16LF1517-I/PT Microchip Technology IC MCU 8BIT 14KB FLASH 44TQFP	PIC16LF1513-I/SS Microchip Technology IC MCU 8BIT 7KB FLASH 28SSOP	PIC16LF1508-E/SS Microchip Technology IC MCU 8BIT 7KB FLASH 20SSOP	PIC16LF1519-E/MV Microchip Technology IC MCU 8BIT 28KB FLASH 40UQFN	PIC16LF1507-I/ML Microchip Technology IC MCU 8BIT 3.5KB FLASH 20QFN	PIC16LF1516-I/SO Microchip Technology IC MCU 8BIT 14KB FLASH 28SOIC
					
PIC16LF1507T-I/SS Microchip Technology IC MCU 8BIT 3.5KB FLASH 20SSOP	PIC16LF1508-I/SS Microchip Technology IC MCU 8BIT 7KB FLASH 20SSOP	PIC16LF1509-E/ML Microchip Technology IC MCU 8BIT 14KB FLASH 20QFN	PIC16LF1509-E/SS Microchip Technology IC MCU 8BIT 14KB FLASH 20SSOP	PIC16LF1509-I/ML Microchip Technology IC MCU 8BIT 14KB FLASH 20QFN	PIC16LF1516-I/SS Microchip Technology IC MCU 8BIT 14KB FLASH 28SSOP
					
PIC16LF1526-I/PT Microchip Technology IC MCU 8BIT 14KB FLASH 64TQFP	PIC16LF1507T-I/ML Microchip Technology IC MCU 8BIT 3.5KB FLASH 20QFN	PIC16LF1512-I/SO Microchip Technology IC MCU 8BIT 3.5KB FLASH 28SOIC	PIC16LF1518T-I/MV Microchip Technology IC MCU 8BIT 28KB FLASH 28UQFN	PIC16LF1519-I/PT Microchip Technology IC MCU 8BIT 28KB FLASH 44TQFP	PIC16LF1518-I/MV Microchip Technology IC MCU 8BIT 28KB FLASH 28UQFN

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.



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