



Image may be representation.
See specifications for product details.



PIC16LF1559-I/SS

Manufacturer Part Number	PIC16LF1559-I/SS
Manufacturer	Microchip Technology
Allelco Part Number	32D-PIC16LF1559-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	PIC16LF1554,59 Brief.pdf PIC16LF1554,59 Datasheet.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

PIC16LF1559-I/SS - Microchip Technology. New Original in Stock. Download Linear Technology PIC16LF1559-I/SS datasheet/specifications on AllelcoElec.com.
Request a quote for PIC16LF1559-I/SS, please send us email: info@allelco.com

Specifications

PIC16LF1559-I/SS Tech Specifications

PIC16LF1559-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	32MHz	Mounting Type	Surface Mount
Series	PIC® XLP™ 16F	EEPROM Size	-
RAM Size	512 x 8	Data Converters	A/D 17x10b
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, SPI, UART/USART
Package / Case	20-SSOP (0.209", 5.30mm Width)	Base Product Number	PIC16LF1559
Package	Tube		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology PIC16LF1559-I/SS

Product Attribute				
Part Number	PIC16LF1559-I/SS	PIC16LF1554T-I/ST	PIC16LF15376-I/PT	PIC16LF1559T-I/SS
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
RAM Size	512 x 8	256 x 8	2K x 8	512 x 8
Base Product Number	PIC16LF1559	PIC16LF1554	PIC16LF15376	PIC16LF1559
EEPROM Size	-	-	224 x 8	-
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Supplier Device Package	20-SSOP	14-TSSOP	44-TQFP (10x10)	20-SSOP
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
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)
Package	Tube	Tape & Reel (TR)	Tray	Tape & Reel (TR)
Core Processor	PIC	PIC	PIC	PIC
Speed	32MHz	32MHz	32MHz	32MHz
Data Converters	A/D 17x10b	A/D 11x10b	A/D 35x10b; D/A 1x5b	A/D 17x10b
Oscillator Type	Internal	Internal	Internal	Internal
Program Memory Size	14KB (8K x 14)	7KB (4K x 14)	28KB (16K x 14)	14KB (8K x 14)
Number of I/O	17	11	36	17
Voltage - Supply (Vcc/Vdd)	1.8V ~ 3.6V	1.8V ~ 3.6V	1.8V ~ 3.6V	1.8V ~ 3.6V
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
Package / Case	20-SSOP (0.209", 5.30mm Width)	14-TSSOP (0.173", 4.40mm Width)	44-TQFP	20-SSOP (0.209", 5.30mm Width)
Connectivity	I²C, SPI, UART/USART	I²C, SPI, UART/USART	I²C, LINbus, SPI, UART/USART	I²C, SPI, UART/USART
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount

PIC16LF1559-I/SS Datasheet PDF

Download PIC16LF1559-I/SS pdf datasheets and Microchip Technology documentation for PIC16LF1559-I/SS - Microchip Technology.

Datasheets


[PIC16LF1554,59 Datasheet.pdf](#)

PCN Packaging

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

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

PCN Assembly/Origin












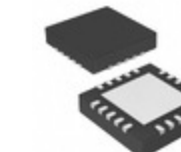





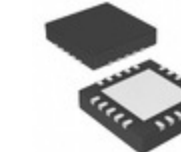
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HTML Datasheet

 PIC16LF1554,59 Brief.pdf

Customers Also Interested in

Recommended Products

					
PIC16LF1554T-I/ST Microchip Technology IC MCU 8BIT 7KB FLASH 14TSSOP	PIC16LF15376-I/PT Microchip Technology IC MCU 8BIT 28KB FLASH 44TQFP	PIC16LF1559T-I/SS Microchip Technology IC MCU 8BIT 14KB FLASH 20SSOP	PIC16LF15376T-I/PT Microchip Technology IC MCU 8BIT 28KB FLASH 44TQFP	PIC16LF1567T-I/PT Microchip Technology IC MCU 8BIT 14KB FLASH 44TQFP	PIC16LF15386-I/PT Microchip Technology IC MCU 8BIT 28KB FLASH 48TQFP
					
PIC16LF1579/SO Micrel / Microchip Technology	PIC16LF1554-I/ST Microchip Technology IC MCU 8BIT 7KB FLASH 14TSSOP	PIC16LF1614-I/SL Microchip Technology IC MCU 8BIT 7KB FLASH 14SOIC	PIC16LF15375-I/PT Microchip Technology IC MCU 8BIT 14KB FLASH 44TQFP	PIC16LF1618-I/SO Microchip Technology IC MCU 8BIT 7KB FLASH 20SOIC	PIC16LF1559-I/ML Microchip Technology IC MCU 8BIT 14KB FLASH 20QFN
					
PIC16LF1618-I/SS Microchip Technology IC MCU 8BIT 7KB FLASH 20SSOP	PIC16LF1574-I/SL Microchip Technology IC MCU 8BIT 7KB FLASH 14SOIC	PIC16LF1554-I/SL Microchip Technology IC MCU 8BIT 7KB FLASH 14SOIC	PIC16LF15386T-I/PT Microchip Technology IC MCU 8BIT 28KB FLASH 48TQFP	PIC16LF1567-I/PT Microchip Technology IC MCU 8BIT 14KB FLASH 44TQFP	PIC16LF1618-I/ML Microchip Technology IC MCU 8BIT 7KB FLASH 20QFN

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

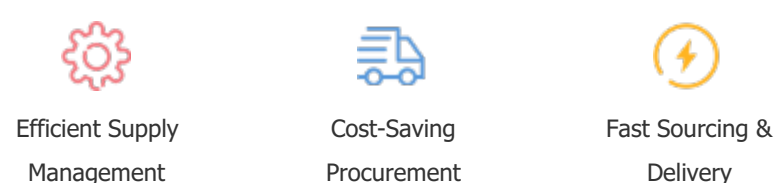
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.
Contact us if you have any questions.

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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