



Image may be representation.
See specifications for product details.



PIC16F1827-I/SS

Manufacturer Part Number	PIC16F1827-I/SS
Manufacturer	Microchip Technology
Allelco Part Number	32D-PIC16F1827-I/SS
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC MCU 8BIT 7KB FLASH 20SSOP
Package	20-SSOP (0.209", 5.30mm Width)
Data sheet	PIC16(L)F182x,PIC12(L)F1822 Programming Spec.pdf PIC16F/LF1826/27.pdf Next Generation Peripherals Brochure.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

PIC16F1827-I/SS - Microchip Technology.New Original in Stock. Download Linear Technology PIC16F1827-I/SS datasheet/specifications on AllelcoElec.com.
Request a quote for PIC16F1827-I/SS, please send us email: info@allelco.com

Specifications

PIC16F1827-I/SS Tech Specifications

PIC16F1827-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 ~ 5.5V	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package	20-SSOP	Number of I/O	16
Speed	32MHz	Mounting Type	Surface Mount
Series	PIC® XLP™ mTouch™ 16F	EEPROM Size	256 x 8
RAM Size	384 x 8	Data Converters	A/D 12x10b
Program Memory Type	FLASH	Core Size	8-Bit
Program Memory Size	7KB (4K 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	PIC16F1827
Package	Tube		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology PIC16F1827-I/SS

Product Attribute				
Part Number	PIC16F1827-I/SS	PIC16F1827-E/SO	PIC16F1827-I/SO	PIC16F1827-I/P
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Data Converters	A/D 12x10b	A/D 12x10b	A/D 12x10b	A/D 12x10b
Series	PIC® XLP™ mTouch™ 16F	PIC® XLP™ mTouch™ 16F	PIC® XLP™ mTouch™ 16F	PIC® XLP™ mTouch™ 16F
Base Product Number	PIC16F1827	PIC16F1827	PIC16F1827	PIC16F1827
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Supplier Device Package	20-SSOP	18-SOIC	18-SOIC	18-PDIP
Package	Tube	Tube	Tube	Tube
Connectivity	I²C, SPI, UART/USART	I²C, SPI, UART/USART	I²C, SPI, UART/USART	I²C, 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
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Through Hole
Package / Case	20-SSOP (0.209", 5.30mm Width)	18-SOIC (0.295", 7.50mm Width)	18-SOIC (0.295", 7.50mm Width)	18-DIP (0.300", 7.62mm)
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
Core Processor	PIC	PIC	PIC	PIC
Speed	32MHz	32MHz	32MHz	32MHz
Program Memory Type	FLASH	FLASH	FLASH	FLASH
EEPROM Size	256 x 8	256 x 8	256 x 8	256 x 8
Oscillator Type	Internal	Internal	Internal	Internal
RAM Size	384 x 8	384 x 8	384 x 8	384 x 8
Number of I/O	16	16	16	16
Voltage - Supply (Vcc/Vdd)	1.8V ~ 5.5V	1.8V ~ 5.5V	1.8V ~ 5.5V	1.8V ~ 5.5V
Program Memory Size	7KB (4K x 14)	7KB (4K x 14)	7KB (4K x 14)	7KB (4K x 14)

PIC16F1827-I/SS Datasheet PDF

Download PIC16F1827-I/SS pdf datasheets and Microchip Technology documentation for PIC16F1827-I/SS - Microchip Technology.

PCN Packaging



Label and Packing Changes 23/Sep/2015.pdf





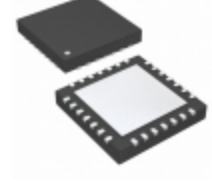




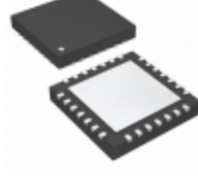


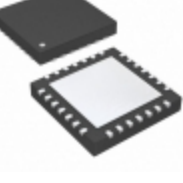

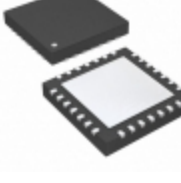
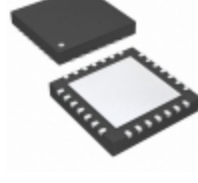

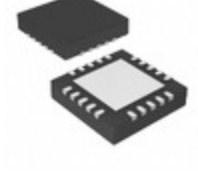


Packing Changes 10/Oct/2016.pdf

HTML Datasheet

Customers Also Interested in

Recommended Products

					
PIC16F1827-E/SO Microchip Technology IC MCU 8BIT 7KB FLASH 18SOIC	PIC16F1827-I/SO Microchip Technology IC MCU 8BIT 7KB FLASH 18SOIC		PIC16F1827-I/P Microchip Technology IC MCU 8BIT 7KB FLASH 18DIP	PIC16F1827-I/ML Microchip Technology IC MCU 8BIT 7KB FLASH 28QFN	PIC16F1828-I/SS Microchip Technology IC MCU 8BIT 7KB FLASH 20SSOP
					
PIC16F1828-E/SS Microchip Technology IC MCU 8BIT 7KB FLASH 20SSOP	PIC16F1828-E/MLC02 Micrel / Microchip Technology	PIC16F1826T-I/SO Microchip Technology IC MCU 8BIT 3.5KB FLASH 18SOIC	PIC16F1826T-I/ML Microchip Technology IC MCU 8BIT 3.5KB FLASH 28QFN	PIC16F1827T-E/SS Micrel / Microchip Technology	PIC16F1828-I/SO Microchip Technology IC MCU 8BIT 7KB FLASH 20SOIC
					
PIC16F1827-E/ML Microchip Technology IC MCU 8BIT 7KB FLASH 28QFN	PIC16F1827T-I/SS Microchip Technology IC MCU 8BIT 7KB FLASH 20SSOP	PIC16F1827-E/MV Microchip Technology IC MCU 8BIT 7KB FLASH 28UQFN	PIC16F1827-I/MV Microchip Technology IC MCU 8BIT 7KB FLASH 28UQFN	PIC16F1827-E/SS Microchip Technology IC MCU 8BIT 7KB FLASH 20SSOP	PIC16F1828-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 -

-  Efficient Supply Management
-  Cost-Saving Procurement
-  Fast Sourcing & Delivery

Contact us if you have any questions.

-  Phone
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-  Email
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Certifications & Memberships



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