



Image may be representation.
See specifications for product details.



PIC16F1847-I/SS

Manufacturer Part Number **PIC16F1847-I/SS**

Manufacturer **Microchip Technology**

Allelco Part Number **32D-PIC16F1847-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 **[Next Generation Peripherals Brochure.pdf](#)**

[PIC16\(L\)F1847.pdf](#)

RoHs Status **ROHS3 Compliant**

Get a Quote

PIC16F1847-I/SS - Microchip Technology. New Original in Stock. Download Linear Technology PIC16F1847-I/SS datasheet/specifications on AllelcoElec.com.
Request a quote for PIC16F1847-I/SS, please send us email: info@allelco.com

Specifications

PIC16F1847-I/SS Tech Specifications

PIC16F1847-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	15
Speed	32MHz	Mounting Type	Surface Mount
Series	PIC® XLP™ mTouch™ 16F	EEPROM Size	256 x 8
RAM Size	1K x 8	Data Converters	A/D 12x10b
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	I ² C, LINbus, SPI, UART/USART
Package / Case	20-SSOP (0.209", 5.30mm Width)	Base Product Number	PIC16F1847
Package	Tube		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology PIC16F1847-I/SS

Product Attribute				
Part Number	PIC16F1847-I/SS	PIC16F18446T-I/SO	PIC16F18854-E/SS	PIC16F18855T-I/SS
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
RAM Size	1K x 8	2K x 8	512 x 8	1K x 8
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
Program Memory Size	14KB (8K x 14)	28KB (16K x 14)	7KB (4K x 14)	14KB (8K x 14)
Series	PIC® XLP™ mTouch™ 16F	PIC® XLP™ 16F, Functional Safety (FuSa)	PIC® XLP™ 16F, Functional Safety (FuSa)	PIC® XLP™ 16F, Functional Safety (FuSa)
EEPROM Size	256 x 8	256 x 8	256 x 8	256 x 8
Package	Tube	Tape & Reel (TR)	Tube	Tape & Reel (TR)
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 85°C (TA)
Package / Case	20-SSOP (0.209", 5.30mm Width)	20-SOIC (0.295", 7.50mm Width)	28-SSOP (0.209", 5.30mm Width)	28-SSOP (0.209", 5.30mm Width)
Number of I/O	15	18	25	25
Supplier Device Package	20-SSOP	20-SOIC	28-SSOP	28-SSOP
Base Product Number	PIC16F1847	PIC16F18446	PIC16F18854	PIC16F18855
Connectivity	I ² C, LINbus, SPI, UART/USART	I ² C, LINbus, SPI, UART/USART	I ² C, LINbus, SPI, UART/USART	I ² C, LINbus, SPI, UART/USART
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
Core Processor	PIC	PIC	PIC	PIC
Speed	32MHz	32MHz	32MHz	32MHz
Data Converters	A/D 12x10b	A/D 17x12b; D/A 1x5b	A/D 24x10b; D/A 1x5b	A/D 24x10b; D/A 1x5b
Voltage - Supply (Vcc/Vdd)	1.8V ~ 5.5V	2.3V ~ 5.5V	2.3V ~ 5.5V	2.3V ~ 5.5V
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Oscillator Type	Internal	Internal	Internal	Internal

PIC16F1847-I/SS Datasheet PDF

Download PIC16F1847-I/SS pdf datasheets and Microchip Technology documentation for PIC16F1847-I/SS - Microchip Technology.

Datasheets

[Next Generation Peripherals Brochure.pdf](#)

[PIC16\(L\)F1847.pdf](#)

PCN Packaging

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

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

PCN Design/Specification



Lead Frame 22/Dec/2016.pdf

PCN Assembly/Origin



Leads 24/Feb/2017.pdf

Customers Also Interested in

Recommended Products



PIC16F18446T-I/SO

Microchip Technology
IC MCU 8BIT 28KB FLASH 20SOIC



PIC16F18854-E/SS

Microchip Technology
IC MCU 8BIT 7KB FLASH 28SSOP



PIC16F18855T-I/SS

Microchip Technology
IC MCU 8BIT 14KB FLASH 28SSOP



PIC16F18445-I/SS

Microchip Technology
IC MCU 8BIT 14KB FLASH 20SSOP



PIC16F1847-I/SO

Microchip Technology
IC MCU 8BIT 14KB FLASH 18SOIC



PIC16F18455T-I/SS

Microchip Technology
IC MCU 8BIT 14KB FLASH 28SSOP



PIC16F18855T-I/SO

Microchip Technology
IC MCU 8BIT 14KB FLASH 28SOIC



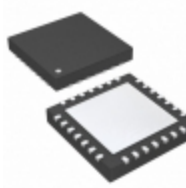
PIC16F18855-I/SS

Microchip Technology
IC MCU 8BIT 14KB FLASH 28SSOP



PIC16F1847-E/SS

Microchip Technology
IC MCU 8BIT 14KB FLASH 20SSOP



PIC16F18456-E/SS

Microchip Technology
IC MCU 8BIT 28KB FLASH 28SSOP

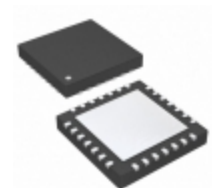


PIC16F18856-E/MV

Microchip Technology
IC MCU 8BIT 28KB FLASH 28UQFN

PIC16F18854-I/SS

Microchip Technology
IC MCU 8BIT 7KB FLASH 28SSOP



PIC16F18855T-I/ML

Microchip Technology
IC MCU 8BIT 14KB FLASH 28QFN



PIC16F18446-I/SO

Microchip Technology
IC MCU 8BIT 28KB FLASH 20SOIC



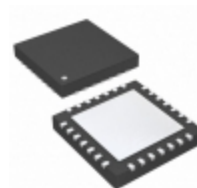
PIC16F18855-I/SO

Microchip Technology
IC MCU 8BIT 14KB FLASH 28SOIC



PIC16F18455-I/SS

Microchip Technology
IC MCU 8BIT 14KB FLASH 28SSOP



PIC16F18446T-I/SS

Microchip Technology
IC MCU 8BIT 28KB FLASH 20SSOP

PIC16F18855-I/ML

Microchip Technology
IC MCU 8BIT 14KB FLASH 28QFN

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

+00852 9146 4856



Email

info@allelco.com

Certifications & Memberships



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