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See specifications for product details.



PIC16F18857-I/SS

Manufacturer Part Number	PIC16F18857-I/SS
Manufacturer	Microchip Technology
Allelco Part Number	32D-PIC16F18857-I/SS
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 8BIT 56KB FLASH 28SSOP
Package	28-SSOP (0.209", 5.30mm Width)
Data sheet	PIC16(L)F1885x,7x Brief.pdf PIC16(L)F18857,77 Datasheet.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

PIC16F18857-I/SS - Microchip Technology. New Original in Stock. Download Linear Technology PIC16F18857-I/SS datasheet/specifications on AllelcoElec.com.
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Specifications

PIC16F18857-I/SS Tech Specifications

PIC16F18857-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	28-SSOP	Number of I/O	25
Speed	32MHz	Mounting Type	Surface Mount
Series	PIC® XLP™ 16F, Functional Safety (FuSa)	EEPROM Size	256 x 8
RAM Size	4K x 8	Data Converters	A/D 24x10b; D/A 1x5b
Program Memory Type	FLASH	Core Size	8-Bit
Program Memory Size	56KB (32K x 14)	Core Processor	PIC
Peripherals	Brown-out Detect/Reset, POR, PWM, WDT	Connectivity	I²C, LINbus, SPI, UART/USART
Package / Case	28-SSOP (0.209", 5.30mm Width)	Base Product Number	PIC16F18857
Package	Tube		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology PIC16F18857-I/SS

Product Attribute				
Part Number	PIC16F18857-I/SS	PIC16F18857T-E/SSVAO	PIC16F18875T-I/PT	PIC16F18876-E/PT
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Connectivity	I²C, LINbus, SPI, UART/USART	I²C, LINbus, SPI, UART/USART	I²C, LINbus, SPI, UART/USART	I²C, LINbus, SPI, UART/USART
Package / Case	28-SSOP (0.209", 5.30mm Width)	28-SSOP (0.209", 5.30mm Width)	44-TQFP	44-TQFP
EEPROM Size	256 x 8	256 x 8	256 x 8	256 x 8
Base Product Number	PIC16F18857	PIC16F18857	PIC16F18875	PIC16F18876
Oscillator Type	Internal	Internal	Internal	Internal
RAM Size	4K x 8	4K x 8	1K x 8	2K x 8
Supplier Device Package	28-SSOP	28-SSOP	44-TQFP (10x10)	44-TQFP (10x10)
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
Series	PIC® XLP™ 16F, Functional Safety (FuSa)	Automotive, AEC-Q100, PIC® XLP™ 16F, Functional Safety (FuSa)	PIC® XLP™ 16F, Functional Safety (FuSa)	PIC® XLP™ 16F, Functional Safety (FuSa)
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 125°C (TA)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Program Memory Size	56KB (32K x 14)	56KB (32K x 14)	14KB (8K x 14)	28KB (16K x 14)
Voltage - Supply (Vcc/Vdd)	2.3V ~ 5.5V	2.3V ~ 5.5V	2.3V ~ 5.5V	2.3V ~ 5.5V
Core Processor	PIC	PIC	PIC	PIC
Package	Tube	Tape & Reel (TR)	Tape & Reel (TR)	Tray
Speed	32MHz	32MHz	32MHz	32MHz
Number of I/O	25	25	36	36
Data Converters	A/D 24x10b; D/A 1x5b	A/D 24x10b; D/A 1x5b	A/D 35x10b; D/A 1x5b	A/D 35x10b; D/A 1x5b
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

PIC16F18857-I/SS Datasheet PDF

Download PIC16F18857-I/SS pdf datasheets and Microchip Technology documentation for PIC16F18857-I/SS - Microchip Technology.

Datasheets

[PIC16\(L\)F18857,77 Datasheet.pdf](#)


PCN Packaging

[2.73KHz.pdf](#)


PCN Assembly/Origin


 2.73KHz.pdf

HTML Datasheet

 PIC16(L)F1885x,7x Brief.pdf


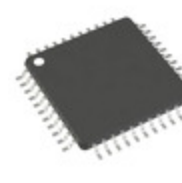
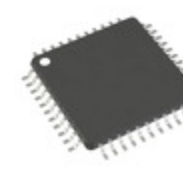


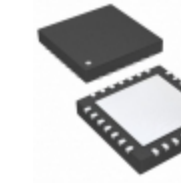

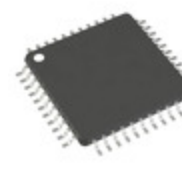

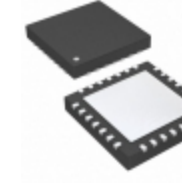


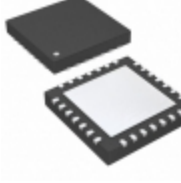
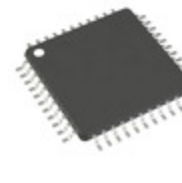

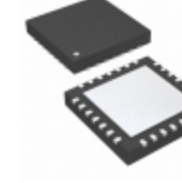
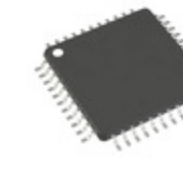
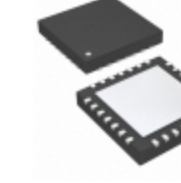
PCN Design/Specification

 PIC16(L)F18857/77 10/Oct/2020.pdf

 PIC16(L)F18857/77 02/Feb/2018.pdf

Customers Also Interested in

Recommended Products

					
PIC16F18857T-E/SSVAO Microchip Technology IC MCU 8BIT 56KB FLASH 28SSOP	PIC16F18875T-I/PT Microchip Technology IC MCU 8BIT 14KB FLASH 44TQFP	PIC16F18876-E/PT Microchip Technology IC MCU 8BIT 28KB FLASH 44TQFP	PIC16F18855-I/SS Microchip Technology IC MCU 8BIT 14KB FLASH 28SSOP	PIC16F18856T-I/SS Microchip Technology IC MCU 8BIT 28KB FLASH 28SSOP	PIC16F18855-I/ML Microchip Technology IC MCU 8BIT 14KB FLASH 28QFN
					
PIC16F18876T-I/MV Microchip Technology IC MCU 8BIT 28KB FLASH 40UQFN	PIC16F18876T-I/PT Microchip Technology IC MCU 8BIT 28KB FLASH 44TQFP	PIC16F18855T-I/SO Microchip Technology IC MCU 8BIT 14KB FLASH 28SOIC	PIC16F18856-E/MV Microchip Technology IC MCU 8BIT 28KB FLASH 28UQFN	PIC16F18855-I/SO Microchip Technology IC MCU 8BIT 14KB FLASH 28SOIC	PIC16F18855T-I/SS Microchip Technology IC MCU 8BIT 14KB FLASH 28SSOP
					
PIC16F18855T-I/ML Microchip Technology IC MCU 8BIT 14KB FLASH 28QFN	PIC16F18877-I/PT Microchip Technology IC MCU 8BIT 56KB FLASH 44TQFP	PIC16F18856-I/SS Microchip Technology IC MCU 8BIT 28KB FLASH 28SSOP	PIC16F18857-I/ML Microchip Technology IC MCU 8BIT 56KB FLASH 28QFN	PIC16F18875-I/PT Microchip Technology IC MCU 8BIT 14KB FLASH 44TQFP	PIC16F18857T-I/ML Microchip Technology IC MCU 8BIT 56KB 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.



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