

Image may be representation.  
See specifications for product details.



## PIC16F18857-I/ML

Manufacturer Part Number	<b>PIC16F18857-I/ML</b>
Manufacturer	<b>Microchip Technology</b>
Allelco Part Number	32D-PIC16F18857-I/ML
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC MCU 8BIT 56KB FLASH 28QFN
Package	28-VQFN Exposed Pad
Data sheet	<b>PIC16(L)F1885x,7x Brief.pdf</b> <b>PIC16(L)F18857,77 Datasheet.pdf</b>
RoHs Status	ROHS3 Compliant

**Get a Quote**

PIC16F18857-I/ML - Microchip Technology. New Original in Stock. Download Linear Technology PIC16F18857-I/ML datasheet/specifications on AllelcoElec.com.  
Request a quote for PIC16F18857-I/ML, please send us email: [info@allelco.com](mailto:info@allelco.com)

## Specifications

PIC16F18857-I/ML Tech Specifications

PIC16F18857-I/ML - 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-QFN (6x6)	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-VQFN Exposed Pad	Base Product Number	PIC16F18857
Package	Tube		

## Parts with Similar Specifications

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

Product Attribute				
Part Number	PIC16F18857-I/ML	PIC16F18876-E/PT	PIC16F18856-I/SS	PIC16F18857T-I/ML
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Program Memory Size	56KB (32K x 14)	28KB (16K x 14)	28KB (16K x 14)	56KB (32K x 14)
Package	Tube	Tray	Tube	Tape & Reel (TR)
Series	PIC® XLP™ 16F, Functional Safety (FuSa)	PIC® XLP™ 16F, Functional Safety (FuSa)	PIC® XLP™ 16F, Functional Safety (FuSa)	PIC® XLP™ 16F, Functional Safety (FuSa)
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
RAM Size	4K x 8	2K x 8	2K x 8	4K x 8
Connectivity	I²C, LINbus, SPI, UART/USART	I²C, LINbus, SPI, UART/USART	I²C, LINbus, SPI, UART/USART	I²C, LINbus, 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
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Core Processor	PIC	PIC	PIC	PIC
Number of I/O	25	36	25	25
Supplier Device Package	28-QFN (6x6)	44-TQFP (10x10)	28-SSOP	28-QFN (6x6)
Package / Case	28-VQFN Exposed Pad	44-TQFP	28-SSOP (0.209", 5.30mm Width)	28-VQFN Exposed Pad
Data Converters	A/D 24x10b; D/A 1x5b	A/D 35x10b; D/A 1x5b	A/D 24x10b; D/A 1x5b	A/D 24x10b; D/A 1x5b
Oscillator Type	Internal	Internal	Internal	Internal
Base Product Number	PIC16F18857	PIC16F18876	PIC16F18856	PIC16F18857
Voltage - Supply (Vcc/Vdd)	2.3V ~ 5.5V	2.3V ~ 5.5V	2.3V ~ 5.5V	2.3V ~ 5.5V
Speed	32MHz	32MHz	32MHz	32MHz
EEPROM Size	256 x 8	256 x 8	256 x 8	256 x 8
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount

## PIC16F18857-I/ML Datasheet PDF

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


### Datasheets

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


### PCN Packaging


[2.73KHz.pdf](#)

## HTML Datasheet

 PIC16(L)F1885x,7x Brief.pdf



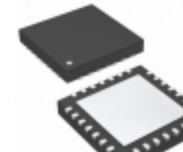




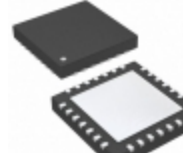










## PCN Design/Specification

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

 PIC16(L)F18857/77 17/Aug/2018.pdf

## Customers Also Interested in

### Recommended Products

					
<b>PIC16F18876-E/PT</b> Microchip Technology IC MCU 8BIT 28KB FLASH 44TQFP	<b>PIC16F18856-I/SS</b> Microchip Technology IC MCU 8BIT 28KB FLASH 28SSOP	<b>PIC16F18857T-I/ML</b> Microchip Technology IC MCU 8BIT 56KB FLASH 28QFN	<b>PIC16F18876T-I/MV</b> Microchip Technology IC MCU 8BIT 28KB FLASH 40UQFN	<b>PIC16F18855T-I/SO</b> Microchip Technology IC MCU 8BIT 14KB FLASH 28SOIC	<b>PIC16F18877-I/PT</b> Microchip Technology IC MCU 8BIT 56KB FLASH 44TQFP
					
<b>PIC16F18875T-I/PT</b> Microchip Technology IC MCU 8BIT 14KB FLASH 44TQFP	<b>PIC16F18855T-I/ML</b> Microchip Technology IC MCU 8BIT 14KB FLASH 28QFN	<b>PIC16F18856T-I/SS</b> Microchip Technology IC MCU 8BIT 28KB FLASH 28SSOP	<b>PIC16F18856-E/MV</b> Microchip Technology IC MCU 8BIT 28KB FLASH 28UQFN	<b>PIC16F18854-I/SS</b> Microchip Technology IC MCU 8BIT 7KB FLASH 28SSOP	<b>PIC16F18857T-E/SSVAO</b> Microchip Technology IC MCU 8BIT 56KB FLASH 28SSOP
					
<b>PIC16F18855-I/SO</b> Microchip Technology IC MCU 8BIT 14KB FLASH 28SOIC	<b>PIC16F18857-I/SS</b> Microchip Technology IC MCU 8BIT 56KB FLASH 28SSOP	<b>PIC16F18855-I/ML</b> Microchip Technology IC MCU 8BIT 14KB FLASH 28QFN	<b>PIC16F18875-I/PT</b> Microchip Technology IC MCU 8BIT 14KB FLASH 44TQFP	<b>PIC16F18855-I/SS</b> Microchip Technology IC MCU 8BIT 14KB FLASH 28SSOP	<b>PIC16F18855T-I/SS</b> Microchip Technology IC MCU 8BIT 14KB FLASH 28SSOP

## 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

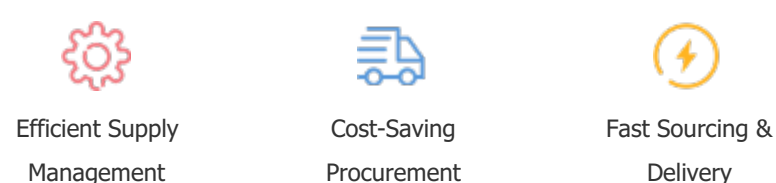
**Note:** The above table is for reference only. There may have some data bias for the uncontrollable factors.  
Contact us if you have any questions.

### 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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