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See specifications for product details.



PIC16F18857T-I/ML

Manufacturer Part Number **PIC16F18857T-I/ML**

Manufacturer **Microchip Technology**

Allelco Part Number **32D-PIC16F18857T-I/ML**

ECAD Model  PCB Symbol, Footprint & 3D Mode

Parts Description **IC MCU 8BIT 56KB FLASH 28QFN**

Package **28-VQFN Exposed Pad**

Data sheet **[PIC16\(L\)F1885x,7x Brief.pdf](#)**

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

RoHs Status  **ROHS3 Compliant**

Get a Quote

PIC16F18857T-I/ML - Microchip Technology. New Original in Stock. Download Linear Technology PIC16F18857T-I/ML datasheet/specifications on AllelcoElec.com.
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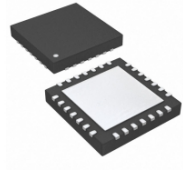



Specifications

PIC16F18857T-I/ML Tech Specifications
PIC16F18857T-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	I ² C, LINbus, SPI, UART/USART
Package / Case	28-VQFN Exposed Pad	Base Product Number	PIC16F18857
Package	Tape & Reel (TR)		

Parts with Similar Specifications


The three parts on the right have similar specifications to Microchip Technology PIC16F18857T-I/ML


Product Attribute				
Part Number	PIC16F18857T-I/ML	PIC16F18856T-I/SS	PIC16F19195-I/PT	PIC16F18855T-I/SS
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Base Product Number	PIC16F18857	PIC16F18856	PIC16F19195	PIC16F18855
EEPROM Size	256 x 8	256 x 8	256 x 8	256 x 8
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
Voltage - Supply (Vcc/Vdd)	2.3V ~ 5.5V	2.3V ~ 5.5V	2.3V ~ 5.5V	2.3V ~ 5.5V
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Peripherals	Brown-out Detect/Reset, POR, PWM, WDT	Brown-out Detect/Reset, POR, PWM, WDT	Brown-out Detect/Reset, LCD, POR, PWM, WDT	Brown-out Detect/Reset, POR, PWM, WDT
Core Processor	PIC	PIC	PIC	PIC
Speed	32MHz	32MHz	32MHz	32MHz
Program Memory Size	56KB (32K x 14)	28KB (16K x 14)	14KB (8K x 14)	14KB (8K x 14)
Number of I/O	25	25	59	25
Supplier Device Package	28-QFN (6x6)	28-SSOP	64-TQFP (10x10)	28-SSOP
RAM Size	4K x 8	2K x 8	1K x 8	1K x 8
Series	PIC® XLP™ 16F, Functional Safety (FuSa)	PIC® XLP™ 16F, Functional Safety (FuSa)	PIC® XLP™ 16F	PIC® XLP™ 16F, Functional Safety (FuSa)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Data Converters	A/D 24x10b; D/A 1x5b	A/D 24x10b; D/A 1x5b	A/D 45x12b; D/A 1x5b	A/D 24x10b; D/A 1x5b
Oscillator Type	Internal	Internal	Internal	Internal
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
Package / Case	28-VQFN Exposed Pad	28-SSOP (0.209", 5.30mm Width)	64-TQFP	28-SSOP (0.209", 5.30mm Width)
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tray	Tape & Reel (TR)
Program Memory Type	FLASH	FLASH	FLASH	FLASH

PIC16F18857T-I/ML Datasheet PDF


Download PIC16F18857T-I/ML pdf datasheets and Microchip Technology documentation for PIC16F18857T-I/ML - Microchip Technology.

Datasheets

 [PIC16\(L\)F1885x,7x Brief.pdf](#)

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

PCN Packaging

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



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



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Customers Also Interested in

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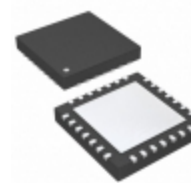
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Microchip Technology
IC MCU 8BIT 28KB FLASH 28SSOP



PIC16F19195-I/PT
Microchip Technology
IC MCU 8BIT 14KB FLASH 44TQFP



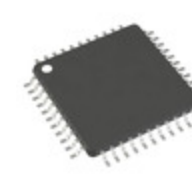
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Microchip Technology
IC MCU 8BIT 14KB FLASH 28SSOP



PIC16F18855T-I/ML
Microchip Technology
IC MCU 8BIT 14KB FLASH 28QFN



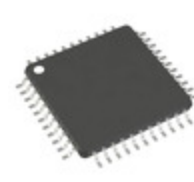
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Microchip Technology
IC MCU 8BIT 14KB FLASH 40DIP



PIC16F19176-I/PT
Microchip Technology
IC MCU 8BIT 28KB FLASH 44TQFP



PIC16F18857T-E/SSVAO
Microchip Technology
IC MCU 8BIT 56KB FLASH 28SSOP



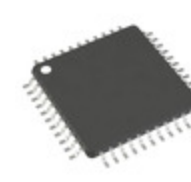
PIC16F18877-I/PT
Microchip Technology
IC MCU 8BIT 56KB FLASH 44TQFP



PIC16F18876T-I/MV
Microchip Technology
IC MCU 8BIT 28KB FLASH 40UQFN



PIC16F18876-E/PT
Microchip Technology
IC MCU 8BIT 28KB FLASH 44TQFP



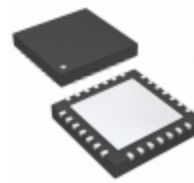
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PIC16F18857-I/SS
Microchip Technology
IC MCU 8BIT 56KB FLASH 28SSOP



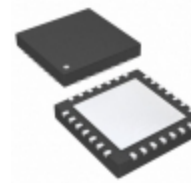
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Microchip Technology
IC MCU 8BIT 28KB FLASH 44TQFP



PIC16F18857-I/ML
Microchip Technology
IC MCU 8BIT 56KB FLASH 28QFN



PIC16F18855T-I/SO
Microchip Technology
IC MCU 8BIT 14KB FLASH 28SOIC



PIC16F18856-E/MV
Microchip Technology
IC MCU 8BIT 28KB FLASH 28UQFN



PIC16F18856-I/SS
Microchip Technology
IC MCU 8BIT 28KB FLASH 28SSOP



PIC16F18875-I/PT
Microchip Technology
IC MCU 8BIT 14KB FLASH 44TQFP

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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Contact us

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