



Image may be representation.  
See specifications for product details.



## PIC16F18856T-I/SS

Manufacturer Part Number	<b>PIC16F18856T-I/SS</b>
Manufacturer	<b>Microchip Technology</b>
Allelco Part Number	32D-PIC16F18856T-I/SS
ECAD Model	Request Free CAD Models
Parts Description	IC MCU 8BIT 28KB FLASH 28SSOP
Package	28-SSOP (0.209", 5.30mm Width)
Data sheet	<b>PIC16(L)F18856,76 Datasheet.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

PIC16F18856T-I/SS - Microchip Technology.New Original in Stock. Download Linear Technology PIC16F18856T-I/SS datasheet/specifications on AllelcoElec.com. Request a quote for PIC16F18856T-I/SS, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

PIC16F18856T-I/SS Tech Specifications  
PIC16F18856T-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	2K x 8	Data Converters	A/D 24x10b; D/A 1x5b
Program Memory Type	FLASH	Core Size	8-Bit
Program Memory Size	28KB (16K 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	PIC16F18856
Package	Tape & Reel (TR)		

### Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology PIC16F18856T-I/SS

Product Attribute				
Part Number	PIC16F18856T-I/SS	<a href="#">PIC16F18855-I/ML</a>	<a href="#">PIC16F18855T-I/ML</a>	<a href="#">PIC16F18876T-I/MV</a>
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
EEPROM Size	256 x 8	256 x 8	256 x 8	256 x 8
Package	Tape & Reel (TR)	Tube	Tape & Reel (TR)	Tape & Reel (TR)
Package / Case	28-SSOP (0.209", 5.30mm Width)	28-VQFN Exposed Pad	28-VQFN Exposed Pad	40-UQFN Exposed Pad
Oscillator Type	Internal	Internal	Internal	Internal
RAM Size	2K x 8	1K x 8	1K x 8	2K x 8
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Program Memory Type	FLASH	FLASH	FLASH	FLASH
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)
Base Product Number	PIC16F18856	PIC16F18855	PIC16F18855	PIC16F18876
Connectivity	I²C, LINbus, SPI, UART/USART	I²C, LINbus, SPI, UART/USART	I²C, LINbus, SPI, UART/USART	I²C, LINbus, SPI, UART/USART
Voltage - Supply (Vcc/Vdd)	2.3V ~ 5.5V	2.3V ~ 5.5V	2.3V ~ 5.5V	2.3V ~ 5.5V
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
Number of I/O	25	25	25	36
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 ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Supplier Device Package	28-SSOP	28-QFN (6x6)	28-QFN (6x6)	40-UQFN (5x5)
Data Converters	A/D 24x10b; D/A 1x5b	A/D 24x10b; D/A 1x5b	A/D 24x10b; D/A 1x5b	A/D 35x10b; D/A 1x5b
Core Processor	PIC	PIC	PIC	PIC
Speed	32MHz	32MHz	32MHz	32MHz
Program Memory Size	28KB (16K x 14)	14KB (8K x 14)	14KB (8K x 14)	28KB (16K x 14)

### PIC16F18856T-I/SS Datasheet PDF

Download PIC16F18856T-I/SS pdf datasheets and Microchip Technology documentation for PIC16F18856T-I/SS - Microchip Technology.

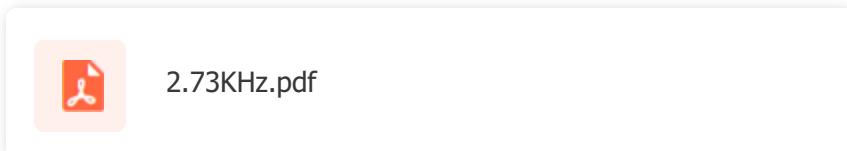
#### Datasheets

[PIC16\(L\)F18856,76 Datasheet.pdf](#)

#### PCN Packaging

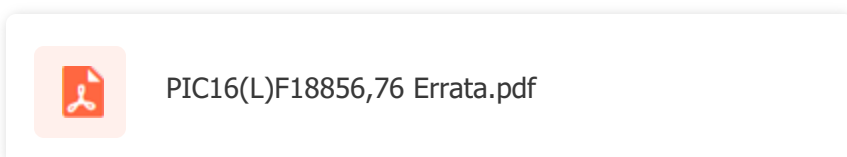
[2.73KHz.pdf](#)

## PCN Assembly/Origin



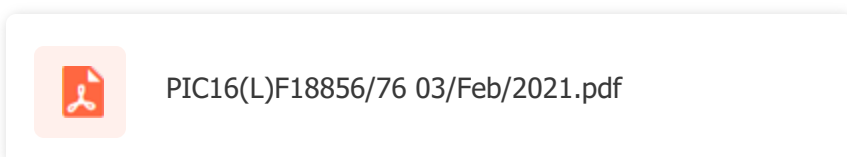
2.73KHz.pdf

## Errata

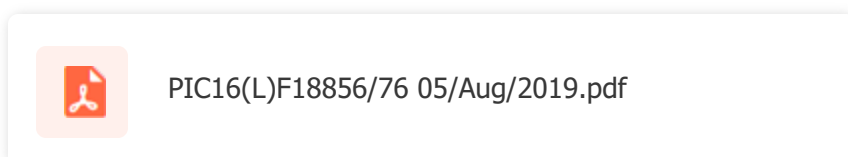


PIC16(L)F18856,76 Errata.pdf

## PCN Design/Specification



PIC16(L)F18856/76 03/Feb/2021.pdf



PIC16(L)F18856/76 05/Aug/2019.pdf

## Customers Also Interested in

### Recommended Products

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

## 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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