



Image may be representation.  
See specifications for product details.



## PIC16LF18875-I/PT

Manufacturer Part Number	<b>PIC16LF18875-I/PT</b>
Manufacturer	<b>Microchip Technology</b>
Allelco Part Number	32D-PIC16LF18875-I/PT
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC MCU 8BIT 14KB FLASH 44TQFP
Package	44-TQFP
Data sheet	<b>PIC16(L)F18855/75.pdf</b> <b>PIC16(L)F18855/75.pdf</b>
RoHs Status	ROHS3 Compliant

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## Specifications

PIC16LF18875-I/PT Tech Specifications

PIC16LF18875-I/PT - 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 ~ 3.6V	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package	44-TQFP (10x10)	Number of I/O	36
Speed	32MHz	Mounting Type	Surface Mount
Series	PIC® XLP™ 16F	EEPROM Size	256 x 8
RAM Size	1K x 8	Data Converters	A/D 35x10b; D/A 1x5b
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	I²C, LINbus, SPI, UART/USART
Package / Case	44-TQFP	Base Product Number	PIC16LF18875
Package	Tray		

## Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology PIC16LF18875-I/PT

Product Attribute				
Part Number	PIC16LF18875-I/PT	<a href="#">PIC16LF18854-I/SS</a>	<a href="#">PIC16LF18446T-I/SS</a>	<a href="#">PIC16LF1904-I/P</a>
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	LINbus, UART/USART
Program Memory Type	FLASH	FLASH	FLASH	FLASH
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, LCD, POR, PWM, WDT
Package	Tray	Tube	Tape & Reel (TR)	Tube
Supplier Device Package	44-TQFP (10x10)	28-SSOP	20-SSOP	40-PDIP
Package / Case	44-TQFP	28-SSOP (0.209", 5.30mm Width)	20-SSOP (0.209", 5.30mm Width)	40-DIP (0.600", 15.24mm)
Speed	32MHz	32MHz	32MHz	20MHz
Series	PIC® XLP™ 16F	PIC® XLP™ 16F	PIC® XLP™ 16F	PIC® XLP™ 16F
Base Product Number	PIC16LF18875	PIC16LF18854	PIC16LF18446	PIC16LF1904
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
Number of I/O	36	25	18	36
Core Processor	PIC	PIC	PIC	PIC
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Through Hole
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
EEPROM Size	256 x 8	256 x 8	256 x 8	-
RAM Size	1K x 8	512 x 8	2K x 8	256 x 8
Program Memory Size	14KB (8K x 14)	7KB (4K x 14)	28KB (16K x 14)	7KB (4K x 14)
Data Converters	A/D 35x10b; D/A 1x5b	A/D 24x10b; D/A 1x5b	A/D 17x12b; D/A 1x5b	A/D 14x10b
Voltage - Supply (Vcc/Vdd)	1.8V ~ 3.6V	1.8V ~ 3.6V	1.8V ~ 3.6V	1.8V ~ 3.6V
Oscillator Type	Internal	Internal	Internal	Internal

## PIC16LF18875-I/PT Datasheet PDF


Download PIC16LF18875-I/PT pdf datasheets and Microchip Technology documentation for PIC16LF18875-I/PT - Microchip Technology.

### Datasheets

[PIC16\(L\)F18855/75.pdf](#)

### HTML Datasheet





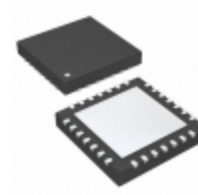




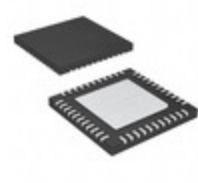

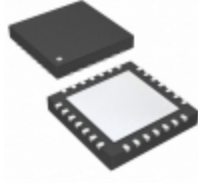

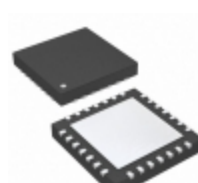

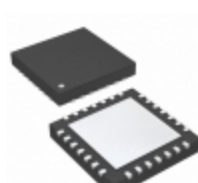

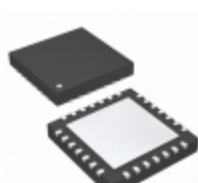
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## Customers Also Interested in

### Recommended Products

					
<b>PIC16LF18854-I/SS</b> Microchip Technology IC MCU 8BIT 7KB FLASH 28SSOP	<b>PIC16LF18446T-I/SS</b> Microchip Technology IC MCU 8BIT 28KB FLASH 20SSOP	<b>PIC16LF1904-I/P</b> Microchip Technology IC MCU 8BIT 7KB FLASH 40DIP	<b>PIC16LF1903-I/SS</b> Microchip Technology IC MCU 8BIT 7KB FLASH 28SSOP	<b>PIC16LF18854-I/MV</b> Microchip Technology IC MCU 8BIT 7KB FLASH 28UQFN	<b>PIC16LF1847-E/SS</b> Microchip Technology IC MCU 8BIT 14KB FLASH 20SSOP
					
<b>PIC16LF18875T-I/MV</b> Microchip Technology IC MCU 8BIT 14KB FLASH 40UQFN	<b>PIC16LF18877-I/PT</b> Microchip Technology IC MCU 8BIT 56KB FLASH 44TQFP	<b>PIC16LF1902-I/SS</b> Microchip Technology IC MCU 8BIT 3.5KB FLASH 28SSOP	<b>PIC16LF18877-I/ML</b> Microchip Technology IC MCU 8BIT 56KB FLASH 44QFN	<b>PIC16LF1847T-I/SO</b> Microchip Technology IC MCU 8BIT 14KB FLASH 18SOIC	<b>PIC16LF18857-I/ML</b> Microchip Technology IC MCU 8BIT 56KB FLASH 28QFN
					
<b>PIC16LF1903-E/SS</b> Microchip Technology IC MCU 8BIT 7KB FLASH 28SSOP	<b>PIC16LF1847-I/MV</b> Microchip Technology IC MCU 8BIT 14KB FLASH 28UQFN	<b>PIC16LF1907-I/PT</b> Microchip Technology IC MCU 8BIT 14KB FLASH 44TQFP	<b>PIC16LF1906-I/MV</b> Microchip Technology IC MCU 8BIT 14KB FLASH 28UQFN	<b>PIC16LF1847-I/SO</b> Microchip Technology IC MCU 8BIT 14KB FLASH 18SOIC	<b>PIC16LF18855T-I/MV</b> Microchip Technology IC MCU 8BIT 14KB FLASH 28UQFN

## 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.

- |   |   |
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### Certifications & Memberships



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### Contact us

Address: Flat/Rm C 13/F Harvard Commercial Building 105-111 Thomson Road, Wan Chai, Hong Kong  
Phone: +00852 9146 4856  
Fax: +00852 3010 8510  
Email: info@Allelco.com