



PIC16F871-I/L

Manufacturer Part Number	PIC16F871-I/L
Manufacturer	Microchip Technology
Allelco Part Number	32D-PIC16F871-I/L
ECAD Model	PCB Footprint and Symbol
Parts Description	IC MCU 8BIT 3.5KB FLASH 44PLCC
Package	44-LCC (J-Lead)
Data sheet	MPLAB® ICE2000 Spec.pdf Tips N Tricks Guide.pdf PICmicro™ Reference Manual.pdf PIC16F870, 871.pdf
RoHS Status	ROHS3 Compliant

Get a Quote

PIC16F871-I/L - Microchip Technology. New Original in Stock. Download Linear Technology PIC16F871-I/L datasheet/specifications on AllelcoElec.com.
Request a quote for PIC16F871-I/L, please send us email: info@allelco.com

Specifications

PIC16F871-I/L Tech Specifications
PIC16F871-I/L - Microchip Technology technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Microchip Technology	Oscillator Type	External
Voltage - Supply (Vcc/Vdd)	4V ~ 5.5V	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package	44-PLCC (16.59x16.59)	Number of I/O	33
Speed	20MHz	Mounting Type	Surface Mount
Series	PIC® 16F	EEPROM Size	64 x 8
RAM Size	128 x 8	Data Converters	A/D 8x10b
Program Memory Type	FLASH	Core Size	8-Bit
Program Memory Size	3.5KB (2K x 14)	Core Processor	PIC
Peripherals	Brown-out Detect/Reset, POR, PWM, WDT	Connectivity	UART/USART
Package / Case	44-LCC (J-Lead)	Base Product Number	PIC16F871
Package	Tube		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology PIC16F871-I/L

Product Attribute	NO PICTURE			
Part Number	PIC16F871-I/L	PIC16F872-I/SS	PIC16F872-I/SP	PIC16F872-I/SO
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Data Converters	A/D 8x10b	A/D 5x10b	A/D 5x10b	A/D 5x10b
Connectivity	UART/USART	I²C, SPI	I²C, SPI	I²C, SPI
Package	Tube	Tube	Tube	Tube
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
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
Mounting Type	Surface Mount	Surface Mount	Through Hole	Surface Mount
Number of I/O	33	22	22	22
Program Memory Size	3.5KB (2K x 14)	3.5KB (2K x 14)	3.5KB (2K x 14)	3.5KB (2K x 14)
Series	PIC® 16F	PIC® 16F	PIC® 16F	PIC® 16F
Speed	20MHz	20MHz	20MHz	20MHz
EEPROM Size	64 x 8	64 x 8	64 x 8	64 x 8
Oscillator Type	External	External	External	External
Program Memory Type	FLASH	FLASH	FLASH	FLASH
RAM Size	128 x 8	128 x 8	128 x 8	128 x 8
Voltage - Supply (Vcc/Vdd)	4V ~ 5.5V	4V ~ 5.5V	4V ~ 5.5V	4V ~ 5.5V
Supplier Device Package	44-PLCC (16.59x16.59)	28-SSOP	28-SPDIP	28-SOIC
Base Product Number	PIC16F871	PIC16F872	PIC16F872	PIC16F872
Core Processor	PIC	PIC	PIC	PIC
Package / Case	44-LCC (J-Lead)	28-SSOP (0.209", 5.30mm Width)	28-DIP (0.300", 7.62mm)	28-SOIC (0.295", 7.50mm Width)

PIC16F871-I/L Datasheet PDF

Download PIC16F871-I/L pdf datasheets and Microchip Technology documentation for PIC16F871-I/L - Microchip Technology.

Datasheets

[PICmicro™ Reference Manual.pdf](#)

PCN Packaging



Label and Packing Changes 23/Sep/2015.pdf



MBB/Label Chgs 16/Nov/2018.pdf

HTML Datasheet



MPLAB® ICE2000 Spec.pdf



Tips N Tricks Guide.pdf



PIC16F870, 871.pdf

PCN Assembly/Origin



2.73KHz.pdf

Customers Also Interested in

Recommended Products



PIC16F872-I/SS

Microchip Technology
IC MCU 8BIT 3.5KB FLASH 28SSOP

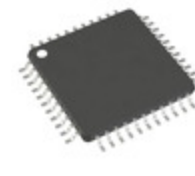
PIC16F872-I/SP

Microchip Technology
IC MCU 8BIT 3.5KB FLASH 28SPDIP



PIC16F872-I/SO

Microchip Technology
IC MCU 8BIT 3.5KB FLASH 28SOIC



PIC16F871-I/PT

Microchip Technology
IC MCU 8BIT 3.5KB FLASH 44TQFP



PIC16F872-E/SS

Microchip Technology
IC MCU 8BIT 3.5KB FLASH 28SSOP



PIC16F870-I/SP

Microchip Technology
IC MCU 8BIT 3.5KB FLASH 28SPDIP



PIC16F84AT-20/SS

Microchip Technology
IC MCU 8BIT 1.75KB FLASH 20SSOP



PIC16F872T-I/SS

Microchip Technology
IC MCU 8BIT 3.5KB FLASH 28SSOP



PIC16F870T-I/SO

Microchip Technology
IC MCU 8BIT 3.5KB FLASH 28SOIC



PIC16F873-04/SO

Microchip Technology
IC MCU 8BIT 7KB FLASH 28SOIC



PIC16F873-04/SP

Microchip Technology
IC MCU 8BIT 7KB FLASH 28SPDIP



PIC16F870-I/SO

Microchip Technology
IC MCU 8BIT 3.5KB FLASH 28SOIC



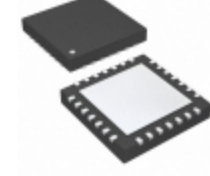
PIC16F87-I/P

Microchip Technology
IC MCU 8BIT 7KB FLASH 18DIP



PIC16F872-E/SO

Microchip Technology
IC MCU 8BIT 3.5KB FLASH 28SOIC



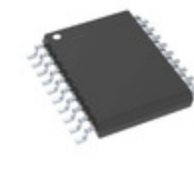
PIC16F87-I/ML

Microchip Technology
IC MCU 8BIT 7KB FLASH 28QFN



PIC16F87-I/SO

Microchip Technology
IC MCU 8BIT 7KB FLASH 18SOIC



PIC16F87-I/SS

Microchip Technology
IC MCU 8BIT 7KB FLASH 20SSOP



PIC16F873-04I/SO

Microchip Technology
IC MCU 8BIT 7KB 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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