

Image may be representation.  
See specifications for product details.



## PIC16F88-I/SO

Manufacturer Part Number	<b>PIC16F88-I/SO</b>
Manufacturer	<b>Microchip Technology</b>
Allelco Part Number	32D-PIC16F88-I/SO
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 8BIT 7KB FLASH 18SOIC
Package	18-SOIC (0.295", 7.50mm Width)
Data sheet	<a href="#">MPLAB® ICE2000 Spec.pdf</a> <a href="#">Tips N Tricks Guide.pdf</a> <a href="#">PICmicro™ Reference Manual.pdf</a> <a href="#">PIC16F87, 88.pdf</a>
RoHs Status	ROHS3 Compliant

**Get a Quote**

PIC16F88-I/SO - Microchip Technology.New Original in Stock. Download Linear Technology PIC16F88-I/SO datasheet/specifications on AllelcoElec.com. Request a quote for PIC16F88-I/SO, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

PIC16F88-I/SO Tech Specifications

PIC16F88-I/SO - Microchip Technology technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Microchip Technology	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	4V ~ 5.5V	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package	18-SOIC	Number of I/O	16
Speed	20MHz	Mounting Type	Surface Mount
Series	PIC® 16F	EEPROM Size	256 x 8
RAM Size	368 x 8	Data Converters	A/D 7x10b
Program Memory Type	FLASH	Core Size	8-Bit
Program Memory Size	7KB (4K x 14)	Core Processor	PIC
Peripherals	Brown-out Detect/Reset, POR, PWM, WDT	Connectivity	I²C, SPI, UART/USART
Package / Case	18-SOIC (0.295", 7.50mm Width)	Base Product Number	PIC16F88
Package	Tube		

### Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology PIC16F88-I/SO

Product Attribute				
Part Number	PIC16F88-I/SO	PIC16F883-I/SP	PIC16F877-20I/P	PIC16F877A-I/PT
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
Package	Tube	Tube	Tube	Tray
RAM Size	368 x 8	256 x 8	368 x 8	368 x 8
EEPROM Size	256 x 8	256 x 8	256 x 8	256 x 8
Connectivity	I²C, SPI, UART/USART	I²C, SPI, UART/USART	I²C, SPI, UART/USART	I²C, SPI, UART/USART
Core Processor	PIC	PIC	PIC	PIC
Oscillator Type	Internal	Internal	External	External
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Program Memory Size	7KB (4K x 14)	7KB (4K x 14)	14KB (8K x 14)	14KB (8K x 14)
Supplier Device Package	18-SOIC	28-SPDIP	40-PDIP	44-TQFP (10x10)
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Voltage - Supply (Vcc/Vdd)	4V ~ 5.5V	2V ~ 5.5V	4V ~ 5.5V	4V ~ 5.5V
Package / Case	18-SOIC (0.295", 7.50mm Width)	28-DIP (0.300", 7.62mm)	40-DIP (0.600", 15.24mm)	44-TQFP
Base Product Number	PIC16F88	PIC16F883	PIC16F877	PIC16F877
Series	PIC® 16F	PIC® 16F	PIC® 16F	PIC® 16F
Data Converters	A/D 7x10b	A/D 11x10b	A/D 8x10b	A/D 8x10b
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	Through Hole	Through Hole	Surface Mount
Number of I/O	16	24	33	33
Speed	20MHz	20MHz	20MHz	20MHz

### PIC16F88-I/SO Datasheet PDF

Download PIC16F88-I/SO pdf datasheets and Microchip Technology documentation for PIC16F88-I/SO - Microchip Technology.

#### Datasheets

[MPLAB® ICE2000 Spec.pdf](#)

[Tips N Tricks Guide.pdf](#)

[PICmicro™ Reference Manual.pdf](#)

PIC16F87, 88.pdf

## PCN Packaging

Label and Packing Changes 23/Sep/2015.pdf














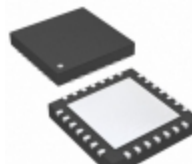




Packing Changes 10/Oct/2016.pdf

## PCN Design/Specification

PdCu Wire Update 18/Feb/2015.pdf

## Customers Also Interested in

### Recommended Products

					
<b>PIC16F883-I/SP</b>	<b>PIC16F877-20I/P</b>	<b>PIC16F877A-I/PT</b>	<b>PIC16F883-E/SS</b>	<b>PIC16F882T-I/SS</b>	<b>PIC16F877T-20/L</b>
Microchip Technology IC MCU 8BIT 7KB FLASH 28SPDIP	Microchip Technology IC MCU 8BIT 14KB FLASH 40DIP	Microchip Technology IC MCU 8BIT 14KB FLASH 44TQFP	Microchip Technology IC MCU 8BIT 7KB FLASH 28SSOP	Microchip Technology IC MCU 8BIT 3.5KB FLASH 28SSOP	Microchip Technology IC MCU 8BIT 14KB FLASH 44PLCC
					
<b>PIC16F882-I/SO</b>	<b>PIC16F877A-I/P</b>	<b>PIC16F883-E/SO</b>	<b>PIC16F877-20I/PQ</b>	<b>PIC16F883-I/SO</b>	<b>PIC16F88-I/P</b>
Microchip Technology IC MCU 8BIT 3.5KB FLASH 28SOIC	Microchip Technology IC MCU 8BIT 14KB FLASH 40DIP	Microchip Technology IC MCU 8BIT 7KB FLASH 28SOIC	Microchip Technology IC MCU 8BIT 14KB FLASH 44MQFP	Microchip Technology IC MCU 8BIT 7KB FLASH 28SOIC	Microchip Technology IC MCU 8BIT 7KB FLASH 18DIP
					
<b>PIC16F883-I/SS</b>	<b>PIC16F883-I/ML</b>	<b>PIC16F877-20I/PT</b>	<b>PIC16F877A-I/L</b>	<b>PIC16F882-I/SS</b>	<b>PIC16F87T-I/SO</b>
Microchip Technology IC MCU 8BIT 7KB FLASH 28SSOP	Microchip Technology IC MCU 8BIT 7KB FLASH 28QFN	Microchip Technology IC MCU 8BIT 14KB FLASH 44TQFP	Microchip Technology IC MCU 8BIT 14KB FLASH 44PLCC	Microchip Technology IC MCU 8BIT 3.5KB FLASH 28SSOP	Microchip Technology IC MCU 8BIT 7KB FLASH 18SOIC

## 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
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Contact us if you have any questions.

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## Certifications & Memberships



View More

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