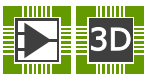



PIC16F886-I/SO

Manufacturer Part Number	PIC16F886-I/SO
Manufacturer	Microchip Technology
Allelco Part Number	32D-PIC16F886-I/SO
ECAD Model	 PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 8BIT 14KB FLASH 28SOIC
Package	28-SOIC (0.295", 7.50mm Width)
Data sheet	Tips N Tricks Guide.pdf Next Generation Peripherals Brochure.pdf PIC16F882-84/86-87.pdf PIC16F882-84/86-87.pdf PIC16F88x Programming Spec.pdf
RoHs Status	 ROHS3 Compliant


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PIC16F886-I/SO - Microchip Technology. New Original in Stock. Download Linear Technology PIC16F886-I/SO datasheet/specifications on AllelcoElec.com.
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Specifications


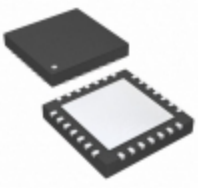


PIC16F886-I/SO Tech Specifications

PIC16F886-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)	2V ~ 5.5V	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package	28-SOIC	Number of I/O	24
Speed	20MHz	Mounting Type	Surface Mount
Series	PIC® 16F	EEPROM Size	256 x 8
RAM Size	368 x 8	Data Converters	A/D 11x10b
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	I ² C, SPI, UART/USART
Package / Case	28-SOIC (0.295", 7.50mm Width)	Base Product Number	PIC16F886
Package	Tube		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology PIC16F886-I/SO

Product Attribute	 NO PICTURE			
Part Number	PIC16F886-I/SO	PIC16F886T-I/ML	PIC16F886-I/SO	PIC16F886-E/SP
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
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
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
Speed	20MHz	20MHz	20MHz	20MHz
RAM Size	368 x 8	368 x 8	368 x 8	368 x 8
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Through Hole
Base Product Number	PIC16F886	PIC16F886	PIC16F886	PIC16F886
Data Converters	A/D 11x10b	A/D 11x10b	A/D 11x10b	A/D 11x10b
Oscillator Type	Internal	Internal	Internal	Internal
Series	PIC® 16F	PIC® 16F	PIC® 16F	PIC® 16F
Package	Tube	Tape & Reel (TR)	Tape & Reel (TR)	Tube
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Voltage - Supply (Vcc/Vdd)	2V ~ 5.5V	2V ~ 5.5V	2V ~ 5.5V	2V ~ 5.5V
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 125°C (TA)
Number of I/O	24	24	24	24
Package / Case	28-SOIC (0.295", 7.50mm Width)	28-VQFN Exposed Pad	28-SOIC (0.295", 7.50mm Width)	28-DIP (0.300", 7.62mm)
EEPROM Size	256 x 8	256 x 8	256 x 8	256 x 8
Program Memory Size	14KB (8K x 14)	14KB (8K x 14)	14KB (8K x 14)	14KB (8K x 14)
Core Processor	PIC	PIC	PIC	PIC
Connectivity	I ² C, SPI, UART/USART	I ² C, SPI, UART/USART	I ² C, SPI, UART/USART	I ² C, SPI, UART/USART
Supplier Device Package	28-SOIC	28-QFN (6x6)	28-SOIC	28-SPDIP

PIC16F886-I/SO Datasheet PDF

Download PIC16F886-I/SO pdf datasheets and Microchip Technology documentation for PIC16F886-I/SO - Microchip Technology.

Datasheets


[Tips N Tricks Guide.pdf](#)

[Next Generation Peripherals Brochure.pdf](#)

[PIC16F882-84/86-87.pdf](#)

 PIC16F88x Programming Spec.pdf

PCN Packaging

 Label and Packing Changes 23/Sep/2015.pdf

 Packing Changes 10/Oct/2016.pdf


PCN Assembly/Origin


 SOIC-28L Palladium Coated Copper
29/Aug/2013.pdf

HTML Datasheet

 PIC16F882-84/86-87.pdf

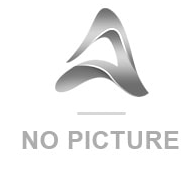
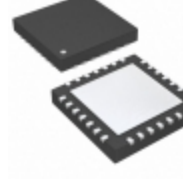




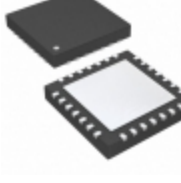




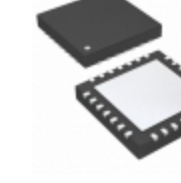


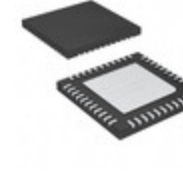


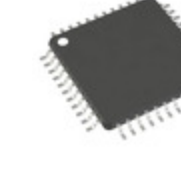
PCN Design/Specification

 PIC16F882,3,4,6,7 Errata/Datasheet Update
19/Aug/2.pdf

 PIC16F88Y, HAY Errata Data Sheet Update
03/Sep/201.pdf

Customers Also Interested in

Recommended Products

 PIC16F884-I/PI MICROCHI	 PIC16F886T-I/ML Microchip Technology IC MCU 8BIT 14KB FLASH 28QFN	 PIC16F886-I/SOVAO Micrel / Microchip Technology	 PIC16F886T-I/SO Microchip Technology IC MCU 8BIT 14KB FLASH 28SOIC	 PIC16F886-E/SP Microchip Technology IC MCU 8BIT 14KB FLASH 28SPDIP	 PIC16F884-I/P Microchip Technology IC MCU 8BIT 7KB FLASH 40DIP
 PIC16F886-I/ML Microchip Technology IC MCU 8BIT 14KB FLASH 28QFN	 PIC16F884T-E/PT Micrel / Microchip Technology	 PIC16F887-I/P Microchip Technology IC MCU 8BIT 14KB FLASH 40DIP	 PIC16F886-I/SP Microchip Technology IC MCU 8BIT 14KB FLASH 28SPDIP	 PIC16F886ISP Micrel / Microchip Technology	 PIC16F883T-I/ML Microchip Technology IC MCU 8BIT 7KB FLASH 28QFN
 PIC16F884-I/PT Microchip Technology IC MCU 8BIT 7KB FLASH 44TQFP	 PIC16F883T-I/SS Microchip Technology IC MCU 8BIT 7KB FLASH 28SSOP	 PIC16F887-I/ML Microchip Technology IC MCU 8BIT 14KB FLASH 44QFN	 PIC16F886-I/SS Microchip Technology IC MCU 8BIT 14KB FLASH 28SSOP	 PIC16F886-E/SS Microchip Technology IC MCU 8BIT 14KB FLASH 28SSOP	 PIC16F887-E/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 Alleco 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.

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The payment method can be chosen from the methods shown below:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card,
PayPal.



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Contact us if you have any questions.

Certifications & Memberships





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