



Image may be representation.
See specifications for product details.



PIC16F877A-I/PT

Manufacturer Part Number	PIC16F877A-I/PT
Manufacturer	Microchip Technology
Allelco Part Number	32D-PIC16F877A-I/PT
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 8BIT 14KB FLASH 44TQFP
Package	44-TQFP
Data sheet	PIC16F87xA Datasheet.pdf MPLAB® ICE2000 Spec.pdf Tips N Tricks Guide.pdf PICmicro™ Reference Manual.pdf PIC16F87xA Programming Spec.pdf
RoHs Status	ROHS3 Compliant

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PIC16F877A-I/PT - Microchip Technology.New Original in Stock. Download Linear Technology PIC16F877A-I/PT datasheet/specifications on AllelcoElec.com.
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Specifications

PIC16F877A-I/PT Tech Specifications

PIC16F877A-I/PT - 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-TQFP (10x10)	Number of I/O	33
Speed	20MHz	Mounting Type	Surface Mount
Series	PIC® 16F	EEPROM Size	256 x 8
RAM Size	368 x 8	Data Converters	A/D 8x10b
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, SPI, UART/USART
Package / Case	44-TQFP	Base Product Number	PIC16F877
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology PIC16F877A-I/PT

Product Attribute				
Part Number	PIC16F877A-I/PT	PIC16F877-20/PT	PIC16F877T-20/L	PIC16F877-20I/PT
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Number of I/O	33	33	33	33
Package	Tray	Tray	Tape & Reel (TR)	Tray
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)	0°C ~ 70°C (TA)	0°C ~ 70°C (TA)	-40°C ~ 85°C (TA)
Program Memory Size	14KB (8K x 14)	14KB (8K x 14)	14KB (8K x 14)	14KB (8K x 14)
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Voltage - Supply (Vcc/Vdd)	4V ~ 5.5V	4V ~ 5.5V	4V ~ 5.5V	4V ~ 5.5V
RAM Size	368 x 8	368 x 8	368 x 8	368 x 8
Connectivity	I²C, SPI, UART/USART	I²C, SPI, UART/USART	I²C, SPI, UART/USART	I²C, SPI, UART/USART
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
Supplier Device Package	44-TQFP (10x10)	44-TQFP (10x10)	44-PLCC (16.59x16.59)	44-TQFP (10x10)
Base Product Number	PIC16F877	PIC16F877	PIC16F877	PIC16F877
Data Converters	A/D 8x10b	A/D 8x10b	A/D 8x10b	A/D 8x10b
Speed	20MHz	20MHz	20MHz	20MHz
EEPROM Size	256 x 8	256 x 8	256 x 8	256 x 8
Package / Case	44-TQFP	44-TQFP	44-LCC (J-Lead)	44-TQFP
Series	PIC® 16F	PIC® 16F	PIC® 16F	PIC® 16F
Core Processor	PIC	PIC	PIC	PIC
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Oscillator Type	External	External	External	External

PIC16F877A-I/PT Datasheet PDF

Download PIC16F877A-I/PT pdf datasheets and Microchip Technology documentation for PIC16F877A-I/PT - Microchip Technology.


Datasheets

[PIC16F87xA Datasheet.pdf](#)

[MPLAB® ICE2000 Spec.pdf](#)

[Tips N Tricks Guide.pdf](#)

 PICmicro™ Reference Manual.pdf


 PIC16F87xA Programming Spec.pdf

PCN Packaging


 Label and Packing Changes 23/Sep/2015.pdf

 MBB/Label Chgs 16/Nov/2018.pdf

PCN Design/Specification

 TQFP-44L Palladium Coated Copper Wire 17/Dec/2013.pdf

PCN Assembly/Origin

 Qualification PDIP-28L/40 Revision 05/Sept/2013.pdf

Design Resources

 PIC16F877 Development Tool Selector.pdf

Customers Also Interested in

Recommended Products



PIC16F877-20/PT

Microchip Technology
IC MCU 8BIT 14KB FLASH 44TQFP



PIC16F877T-20/L

Microchip Technology
IC MCU 8BIT 14KB FLASH 44PLCC



PIC16F877-20I/PT

Microchip Technology
IC MCU 8BIT 14KB FLASH 44TQFP



PIC16F877-20/PQ

Microchip Technology
IC MCU 8BIT 14KB FLASH 44MQFP



PIC16F88-I/SO

Microchip Technology
IC MCU 8BIT 7KB FLASH 18SOIC



PIC16F877A-I/P

Microchip Technology
IC MCU 8BIT 14KB FLASH 40DIP



PIC16F877-20I/PQ

Microchip Technology
IC MCU 8BIT 14KB FLASH 44MQFP



PIC16F88-I/P

Microchip Technology
IC MCU 8BIT 7KB FLASH 18DIP



PIC16F882-I/SO

Microchip Technology
IC MCU 8BIT 3.5KB FLASH 28SOIC



PIC16F883-E/SO

Microchip Technology
IC MCU 8BIT 7KB FLASH 28SOIC



PIC16F877A-I/L

Microchip Technology
IC MCU 8BIT 14KB FLASH 44PLCC



PIC16F882-I/SS

Microchip Technology
IC MCU 8BIT 3.5KB FLASH 28SSOP



PIC16F883-E/SS

Microchip Technology
IC MCU 8BIT 7KB FLASH 28SSOP



PIC16F882T-I/SS

Microchip Technology
IC MCU 8BIT 3.5KB FLASH 28SSOP



PIC16F877-20I/L

Microchip Technology
IC MCU 8BIT 14KB FLASH 44PLCC



PIC16F877T-I/SO

Microchip Technology
IC MCU 8BIT 7KB FLASH 18SOIC



PIC16F882-I/SP

Microchip Technology
IC MCU 8BIT 3.5KB FLASH 28SPDIP



PIC16F877-20I/P

Microchip Technology
IC MCU 8BIT 14KB FLASH 40DIP

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.

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.

Certifications & Memberships





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