



PIC16F877-20I/L

Manufacturer Part Number	PIC16F877-20I/L
Manufacturer	Microchip Technology
Allelco Part Number	32D-PIC16F877-20I/L
ECAD Model	PCB Footprint and Symbol
Parts Description	IC MCU 8BIT 14KB FLASH 44PLCC
Package	44-LCC (J-Lead)
Data sheet	MPLAB® ICE2000 Spec.pdf Tips N Tricks Guide.pdf PICmicro™ Reference Manual.pdf PIC16F87x Datasheet.pdf
RoHS Status	ROHS3 Compliant



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PIC16F877-20I/L - Microchip Technology. New Original in Stock. Download Linear Technology PIC16F877-20I/L datasheet/specifications on AllelcoElec.com.
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Specifications

PIC16F877-20I/L Tech Specifications

PIC16F877-20I/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	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-LCC (J-Lead)	Base Product Number	PIC16F877
Package	Tube		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology PIC16F877-20I/L

Product Attribute	NO PICTURE			
Part Number	PIC16F877-20I/L	PIC16F877A-I/L	PIC16F88-I/P	PIC16F877-20I/PQ
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)
Number of I/O	33	33	16	33
Series	PIC® 16F	PIC® 16F	PIC® 16F	PIC® 16F
Supplier Device Package	44-PLCC (16.59x16.59)	44-PLCC (16.59x16.59)	18-PDIP	44-MQFP (10x10)
Connectivity	I²C, SPI, UART/USART	I²C, SPI, UART/USART	I²C, SPI, UART/USART	I²C, SPI, UART/USART
RAM Size	368 x 8	368 x 8	368 x 8	368 x 8
Oscillator Type	External	External	Internal	External
Data Converters	A/D 8x10b	A/D 8x10b	A/D 7x10b	A/D 8x10b
Voltage - Supply (Vcc/Vdd)	4V ~ 5.5V	4V ~ 5.5V	4V ~ 5.5V	4V ~ 5.5V
Speed	20MHz	20MHz	20MHz	20MHz
EEPROM Size	256 x 8	256 x 8	256 x 8	256 x 8
Package / Case	44-LCC (J-Lead)	44-LCC (J-Lead)	18-DIP (0.300", 7.62mm)	44-QFP
Package	Tube	Tube	Tube	Tray
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Base Product Number	PIC16F877	PIC16F877	PIC16F88	PIC16F877
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
Core Processor	PIC	PIC	PIC	PIC
Program Memory Size	14KB (8K x 14)	14KB (8K x 14)	7KB (4K x 14)	14KB (8K x 14)
Mounting Type	Surface Mount	Surface Mount	Through Hole	Surface Mount

PIC16F877-20I/L Datasheet PDF

Download PIC16F877-20I/L pdf datasheets and Microchip Technology documentation for PIC16F877-20I/L - Microchip Technology.

Datasheets




[MPLAB® ICE2000 Spec.pdf](#)



[Tips N Tricks Guide.pdf](#)



[PICmicro™ Reference Manual.pdf](#)

 PIC16F87x Datasheet.pdf

PCN Packaging

 Label and Packing Changes 23/Sep/2015.pdf

 MBB/Label Chgs 16/Nov/2018.pdf

PCN Assembly/Origin



















 Lead Frame 22/Dec/2021.pdf

Design Resources

 PIC16F877 Development Tool Selector.pdf

Customers Also Interested in

Recommended Products

 PIC16F877A-I/L Microchip Technology IC MCU 8BIT 14KB FLASH 44PLCC	 PIC16F88-I/P Microchip Technology IC MCU 8BIT 7KB FLASH 18DIP	 PIC16F877-20I/PQ Microchip Technology IC MCU 8BIT 14KB FLASH 44MQFP	 PIC16F877-04/P Microchip Technology IC MCU 8BIT 14KB FLASH 40DIP	 PIC16F877-04I/L Microchip Technology IC MCU 8BIT 14KB FLASH 44PLCC	 PIC16F877A-I/PT Microchip Technology IC MCU 8BIT 14KB FLASH 44TQFP
 PIC16F877-I/SO Microchip Technology IC MCU 8BIT 7KB FLASH 18SOIC	 PIC16F877-20/L Microchip Technology IC MCU 8BIT 14KB FLASH 44PLCC	 PIC16F877A-I/P Microchip Technology IC MCU 8BIT 14KB FLASH 40DIP	 PIC16F877-20I/P Microchip Technology IC MCU 8BIT 14KB FLASH 40DIP	 PIC16F877-04/L Microchip Technology IC MCU 8BIT 14KB FLASH 44PLCC	 PIC16F876AT-I/SS Microchip Technology IC MCU 8BIT 14KB FLASH 28SSOP
 PIC16F877-04/PT Microchip Technology IC MCU 8BIT 14KB FLASH 44TQFP	 PIC16F877-20/PQ Microchip Technology IC MCU 8BIT 14KB FLASH 44MQFP	 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/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 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
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 Email
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Certifications & Memberships



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