



Image may be representation.  
See specifications for product details.



## PIC16F874-20I/PQ

Manufacturer Part Number	<a href="#">PIC16F874-20I/PQ</a>
Manufacturer	<a href="#">Microchip Technology</a>
Allelco Part Number	32D-PIC16F874-20I/PQ
ECAD Model	<a href="#">PCB Footprint and Symbol</a>
Parts Description	IC MCU 8BIT 7KB FLASH 44MQFP
Package	44-QFP
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="#">PIC16F87x Datasheet.pdf</a>
RoHs Status	<b>ROHS3 Compliant</b>

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PIC16F874-20I/PQ - Microchip Technology. New Original in Stock. Download Linear Technology PIC16F874-20I/PQ datasheet/specifications on AllelcoElec.com. Request a quote for PIC16F874-20I/PQ, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

PIC16F874-20I/PQ Tech Specifications  
PIC16F874-20I/PQ - 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-MQFP (10x10)	Number of I/O	33
Speed	20MHz	Mounting Type	Surface Mount
Series	PIC® 16F	EEPROM Size	128 x 8
RAM Size	192 x 8	Data Converters	A/D 8x10b
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	44-QFP	Base Product Number	PIC16F874
Package	Tray		

### Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology PIC16F874-20I/PQ

Product Attribute				
Part Number	PIC16F874-20I/PQ	<a href="#">PIC16F874-20I/PT</a>	<a href="#">PIC16F873T-04/SO</a>	<a href="#">PIC16F876-20/SO</a>
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	0°C ~ 70°C (TA)	0°C ~ 70°C (TA)
RAM Size	192 x 8	192 x 8	192 x 8	368 x 8
Program Memory Size	7KB (4K x 14)	7KB (4K x 14)	7KB (4K x 14)	14KB (8K x 14)
Base Product Number	PIC16F874	PIC16F874	PIC16F873	PIC16F876
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
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Series	PIC® 16F	PIC® 16F	PIC® 16F	PIC® 16F
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
Package / Case	44-QFP	44-TQFP	28-SOIC (0.295", 7.50mm Width)	28-SOIC (0.295", 7.50mm Width)
Supplier Device Package	44-MQFP (10x10)	44-TQFP (10x10)	28-SOIC	28-SOIC
Voltage - Supply (Vcc/Vdd)	4V ~ 5.5V	4V ~ 5.5V	4V ~ 5.5V	4V ~ 5.5V
Package	Tray	Tray	Tape & Reel (TR)	Tube
Connectivity	I²C, SPI, UART/USART	I²C, SPI, UART/USART	I²C, SPI, UART/USART	I²C, SPI, UART/USART
Oscillator Type	External	External	External	External
Data Converters	A/D 8x10b	A/D 8x10b	A/D 5x10b	A/D 5x10b
Speed	20MHz	20MHz	4MHz	20MHz
Number of I/O	33	33	22	22
EEPROM Size	128 x 8	128 x 8	128 x 8	256 x 8
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Core Processor	PIC	PIC	PIC	PIC

### PIC16F874-20I/PQ Datasheet PDF

Download PIC16F874-20I/PQ pdf datasheets and Microchip Technology documentation for PIC16F874-20I/PQ - 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









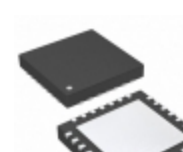









 MBB/Label Chgs 16/Nov/2018.pdf

## PCN Design/Specification

 Wire Chg 11/Mar/2016.pdf

## Customers Also Interested in

### Recommended Products

 <b>PIC16F874-20I/PT</b> Microchip Technology IC MCU 8BIT 7KB FLASH 44TQFP	 <b>PIC16F873T-04/SO</b> Microchip Technology IC MCU 8BIT 7KB FLASH 28SOIC	 <b>PIC16F876-20/SO</b> Microchip Technology IC MCU 8BIT 14KB FLASH 28SOIC	 <b>PIC16F874A-I/PT</b> Microchip Technology IC MCU 8BIT 7KB FLASH 44TQFP	 <b>PIC16F874-04/PQ</b> Microchip Technology IC MCU 8BIT 7KB FLASH 44MQFP	 <b>PIC16F876-04I/SO</b> Microchip Technology IC MCU 8BIT 14KB FLASH 28SOIC
 <b>PIC16F876-04/SO</b> Microchip Technology IC MCU 8BIT 14KB FLASH 28SOIC	 <b>PIC16F874-04I/PQ</b> Microchip Technology IC MCU 8BIT 7KB FLASH 44MQFP	 <b>PIC16F873AT-I/ML</b> Microchip Technology IC MCU 8BIT 7KB FLASH 28QFN	 <b>PIC16F874-20/PT</b> Microchip Technology IC MCU 8BIT 7KB FLASH 44TQFP	 <b>PIC16F874-04/P</b> Microchip Technology IC MCU 8BIT 7KB FLASH 40DIP	 <b>PIC16F876-04I/SP</b> Microchip Technology IC MCU 8BIT 14KB FLASH 28SPDIP
 <b>PIC16F874-20/L</b> Microchip Technology IC MCU 8BIT 7KB FLASH 44PLCC	 <b>PIC16F876-20/SP</b> Microchip Technology IC MCU 8BIT 14KB FLASH 28SPDIP	 <b>PIC16F873T-04I/SO</b> Microchip Technology IC MCU 8BIT 7KB FLASH 28SOIC	 <b>PIC16F874-20/PQ</b> Microchip Technology IC MCU 8BIT 7KB FLASH 44MQFP	 <b>PIC16F876-04/SP</b> Microchip Technology IC MCU 8BIT 14KB FLASH 28SPDIP	 <b>PIC16F874A-I/P</b> Microchip Technology IC MCU 8BIT 7KB 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
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Contact us if you have any questions.

 Phone +00852 9146 4856	 Email info@allelco.com
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### Certifications & Memberships



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