



Image may be representation.
See specifications for product details.



PIC16F874A-I/P

Manufacturer Part Number	PIC16F874A-I/P
Manufacturer	Microchip Technology
Allelco Part Number	32D-PIC16F874A-I/P
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 8BIT 7KB FLASH 40DIP
Package	40-DIP (0.600", 15.24mm)
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

Get a Quote

PIC16F874A-I/P - Microchip Technology. New Original in Stock. Download Linear Technology PIC16F874A-I/P datasheet/specifications on AllelcoElec.com.
Request a quote for PIC16F874A-I/P, please send us email: info@allelco.com

Specifications

PIC16F874A-I/P Tech Specifications

PIC16F874A-I/P - 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	40-PDIP	Number of I/O	33
Speed	20MHz	Mounting Type	Through Hole
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	40-DIP (0.600", 15.24mm)	Base Product Number	PIC16F874
Package	Tube		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology PIC16F874A-I/P

Product Attribute				
Part Number	PIC16F874A-I/P	PIC16F876-20I/SP	PIC16F876-04/SP	PIC16F874A-I/PT
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
Package / Case	40-DIP (0.600", 15.24mm)	28-DIP (0.300", 7.62mm)	28-DIP (0.300", 7.62mm)	44-TQFP
Supplier Device Package	40-PDIP	28-SPDIP	28-SPDIP	44-TQFP (10x10)
Package	Tube	Tube	Tube	Tray
Core Processor	PIC	PIC	PIC	PIC
Mounting Type	Through Hole	Through Hole	Through Hole	Surface Mount
RAM Size	192 x 8	368 x 8	368 x 8	192 x 8
Speed	20MHz	20MHz	4MHz	20MHz
Data Converters	A/D 8x10b	A/D 5x10b	A/D 5x10b	A/D 8x10b
Program Memory Size	7KB (4K x 14)	14KB (8K x 14)	14KB (8K x 14)	7KB (4K x 14)
Base Product Number	PIC16F874	PIC16F876	PIC16F876	PIC16F874
Series	PIC® 16F	PIC® 16F	PIC® 16F	PIC® 16F
Connectivity	I²C, SPI, UART/USART	I²C, SPI, UART/USART	I²C, SPI, UART/USART	I²C, SPI, UART/USART
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
EEPROM Size	128 x 8	256 x 8	256 x 8	128 x 8
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	0°C ~ 70°C (TA)	-40°C ~ 85°C (TA)
Oscillator Type	External	External	External	External
Voltage - Supply (Vcc/Vdd)	4V ~ 5.5V	4V ~ 5.5V	4V ~ 5.5V	4V ~ 5.5V
Number of I/O	33	22	22	33

PIC16F874A-I/P Datasheet PDF

Download PIC16F874A-I/P pdf datasheets and Microchip Technology documentation for PIC16F874A-I/P - 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

 Packing Changes 10/Oct/2016.pdf

PCN Assembly/Origin



















 Mult Dev 13/Apr/2020.pdf

PCN Design/Specification

 Wire Chg 13/Jan/2016.pdf

Customers Also Interested in

Recommended Products

 PIC16F876-20I/SP Microchip Technology IC MCU 8BIT 14KB FLASH 28SPDIP	 PIC16F876-04/SP Microchip Technology IC MCU 8BIT 14KB FLASH 28SPDIP	 PIC16F874A-I/PT Microchip Technology IC MCU 8BIT 7KB FLASH 44TQFP	 PIC16F874-20/PT Microchip Technology IC MCU 8BIT 7KB FLASH 44TQFP	 PIC16F876-04/SO Microchip Technology IC MCU 8BIT 14KB FLASH 28SOIC	 PIC16F874-20I/PQ Microchip Technology IC MCU 8BIT 7KB FLASH 44MQFP
 PIC16F876-04I/SP Microchip Technology IC MCU 8BIT 14KB FLASH 28SPDIP	 PIC16F874-20/PQ Microchip Technology IC MCU 8BIT 7KB FLASH 44MQFP	 PIC16F874-04/PQ Microchip Technology IC MCU 8BIT 7KB FLASH 44MQFP	 PIC16F876-20/SP Microchip Technology IC MCU 8BIT 14KB FLASH 28SPDIP	 PIC16F874-20I/PT Microchip Technology IC MCU 8BIT 7KB FLASH 44TQFP	 PIC16F874-04I/PQ Microchip Technology IC MCU 8BIT 7KB FLASH 44MQFP
 PIC16F874-04/P Microchip Technology IC MCU 8BIT 7KB FLASH 40DIP	 PIC16F876-20I/SO Microchip Technology IC MCU 8BIT 14KB FLASH 28SOIC	 PIC16F876-20/SO Microchip Technology IC MCU 8BIT 14KB FLASH 28SOIC	 PIC16F874-04I/PT Microchip Technology IC MCU 8BIT 7KB FLASH 44TQFP	 PIC16F876-04I/SO Microchip Technology IC MCU 8BIT 14KB FLASH 28SOIC	 PIC16F874-20/L Microchip Technology IC MCU 8BIT 7KB FLASH 44PLCC

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.

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Certifications & Memberships



View More

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