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See specifications for product details.



## PIC24FJ64GA002-I/ML

Manufacturer Part Number **PIC24FJ64GA002-I/ML**

Manufacturer **Microchip Technology**

Allelco Part Number **32D-PIC24FJ64GA002-I/ML**

ECAD Model PCB Symbol, Footprint & 3D Model

Parts Description **IC MCU 16BIT 64KB FLASH 28QFN**

Package **28-VQFN Exposed Pad**

Data sheet **16-bit Embedded Control Solutions.pdf**

**PIC24FJ64GA004 Family.pdf**

**PIC24FJzzzGA0zz Programming Specification.pdf**

RoHs Status **ROHS3 Compliant**

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PIC24FJ64GA002-I/ML - Microchip Technology. New Original in Stock. Download Linear Technology PIC24FJ64GA002-I/ML datasheet/specifications on AllelcoElec.com. Request a quote for PIC24FJ64GA002-I/ML, please send us email: [info@allelco.com](mailto:info@allelco.com)

## Specifications

PIC24FJ64GA002-I/ML Tech Specifications

PIC24FJ64GA002-I/ML - 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 ~ 3.6V	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package	28-QFN (6x6)	Number of I/O	21
Speed	32MHz	Mounting Type	Surface Mount
Series	PIC® 24F	EEPROM Size	-
RAM Size	8K x 8	Data Converters	A/D 10x10b
Program Memory Type	FLASH	Core Size	16-Bit
Program Memory Size	64KB (22K x 24)	Core Processor	PIC
Peripherals	Brown-out Detect/Reset, LVD, POR, PWM, WDT	Connectivity	I²C, PMP, SPI, UART/USART
Package / Case	28-VQFN Exposed Pad	Base Product Number	PIC24FJ64GA002
Package	Tube		

## Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology PIC24FJ64GA002-I/ML

Product Attribute				
Part Number	PIC24FJ64GA002-I/ML	PIC24FJ512GB606T-I/PT	PIC24FJ64GA004-I/PT	PIC24FJ512GB610-I/PT
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Oscillator Type	Internal	Internal	Internal	Internal
Connectivity	I²C, PMP, SPI, UART/USART	I²C, IrDA, LINbus, PMP, SPI, UART/USART, USB OTG	I²C, PMP, SPI, UART/USART	I²C, IrDA, LINbus, PMP, SPI, UART/USART, USB OTG
Data Converters	A/D 10x10b	A/D 16x10b	A/D 13x10b	A/D 24x10/12b
Package / Case	28-VQFN Exposed Pad	64-TQFP	44-TQFP	100-TQFP
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Peripherals	Brown-out Detect/Reset, LVD, POR, PWM, WDT	Brown-out Detect/Reset, DMA, HLVD, POR, PWM, WDT	Brown-out Detect/Reset, LVD, POR, PWM, WDT	Brown-out Detect/Reset, DMA, HLVD, POR, PWM, WDT
RAM Size	8K x 8	32K x 8	8K x 8	32K x 8
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Package	Tube	Tape & Reel (TR)	Tray	Tray
Speed	32MHz	32MHz	32MHz	32MHz
EEPROM Size	-	-	-	-
Core Processor	PIC	PIC	PIC	PIC
Number of I/O	21	53	35	85
Core Size	16-Bit	16-Bit	16-Bit	16-Bit
Program Memory Size	64KB (22K x 24)	512KB (170K x 24)	64KB (22K x 24)	512KB (170K x 24)
Base Product Number	PIC24FJ64GA002	PIC24FJ512GB606	PIC24FJ64GA004	PIC24FJ512GB610
Voltage - Supply (Vcc/Vdd)	2V ~ 3.6V	2V ~ 3.6V	2V ~ 3.6V	2V ~ 3.6V
Supplier Device Package	28-QFN (6x6)	64-TQFP (10x10)	44-TQFP (10x10)	100-TQFP (12x12)
Series	PIC® 24F	PIC® 24F	PIC® 24F	PIC® 24F

## PIC24FJ64GA002-I/ML Datasheet PDF


Download PIC24FJ64GA002-I/ML pdf datasheets and Microchip Technology documentation for PIC24FJ64GA002-I/ML - Microchip Technology.

### Datasheets

PIC24FJ64GA004 Family.pdf


### PCN Packaging

 Label and Packing Changes 23/Sep/2015.pdf


 Packing Changes 10/Oct/2016.pdf


## HTML Datasheet

 16-bit Embedded Control Solutions.pdf

 PIC24FJzzzGA0zz Programming Specification.pdf





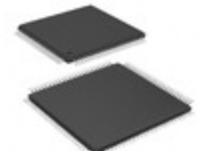

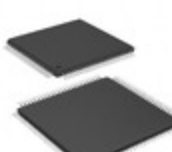
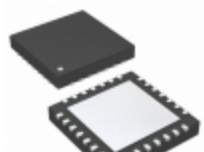



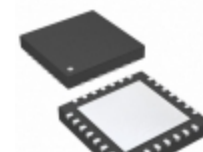


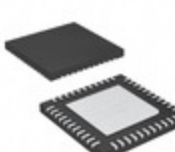



## PCN Design/Specification

 PIC24FJ64GA004 Family Errata/Datasheet 18/May/2013.pdf

 PIC24FJ64GA004 Family DataSheet 18/May/2013.pdf

## Customers Also Interested in

### Recommended Products

 <b>PIC24FJ64GA-004-I/PT</b> Micrel / Microchip Technology	 <b>PIC24FJ512GB606T-1/PT</b> Microchip Technology IC MCU 16BIT 512KB FLASH 64TQFP	 <b>PIC24FJ64GA</b> Micrel / Microchip Technology	 <b>PIC24FJ64GA004-I/PT</b> Microchip Technology IC MCU 16BIT 64KB FLASH 44TQFP	 <b>PIC24FJ512GB610-I/PT</b> Microchip Technology IC MCU 16BIT 512KB FLASH 100TQFP	 <b>PIC24FJ64GA002-I/SO</b> Microchip Technology IC MCU 16BIT 64KB FLASH 28SOIC
 <b>PIC24FJ512GU410-I/PT</b> Microchip Technology IC MCU 16BIT 512KB FLASH 100TQFP	 <b>PIC24FJ64GA002-E/ML</b> Microchip Technology IC MCU 16BIT 64KB FLASH 28QFN	 <b>PIC24FJ512GL410-I/PT</b> Microchip Technology IC MCU 16BIT 512KB FLASH 100TQFP	 <b>PIC24FJ64GA002-I/SP</b> Microchip Technology IC MCU 16BIT 64KB FLASH 28SPDIP	 <b>PIC24FJ64GA002-E/SS</b> Microchip Technology IC MCU 16BIT 64KB FLASH 28SSOP	 <b>PIC24FJ64GA002T-I/ML</b> Microchip Technology IC MCU 16BIT 64KB FLASH 28QFN
 <b>PIC24FJ64GA004-E/PT</b> Microchip Technology IC MCU 16BIT 64KB FLASH 44TQFP	 <b>PIC24FJ64GA002T-I/SS</b> Microchip Technology IC MCU 16BIT 64KB FLASH 28SSOP	 <b>PIC24FJ64GA004-I/ML</b> Microchip Technology IC MCU 16BIT 64KB FLASH 44QFN	 <b>PIC24FJ64GA002-E/SO</b> Microchip Technology IC MCU 16BIT 64KB FLASH 28SOIC	 <b>PIC24FJ512GU408-I/PT</b> Microchip Technology IC MCU 16BIT 512KB FLASH 80TQFP	 <b>PIC24FJ64GA002-I/SS</b> Microchip Technology IC MCU 16BIT 64KB FLASH 28SSOP

## 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

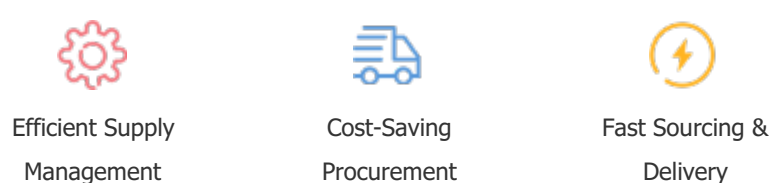
**Note:** The above table is for reference only. There may have some data bias for the uncontrollable factors.  
Contact us if you have any questions.

### 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 -



Contact us if you have any questions.



### Certifications & Memberships



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