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See specifications for product details.



PIC24FJ48GA002-I/ML

Manufacturer Part Number	PIC24FJ48GA002-I/ML
Manufacturer	Microchip Technology
Allelco Part Number	32D-PIC24FJ48GA002-I/ML
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 16BIT 48KB FLASH 28QFN
Package	28-VQFN Exposed Pad
Data sheet	16-bit Embedded Control Solutions.pdf PIC24FJ64GA004 Family.pdf PIC24FJzzzGA0zz Programming Specification.pdf 16-bit Embedded Control Solutions.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

PIC24FJ48GA002-I/ML - Microchip Technology. New Original in Stock. Download Linear Technology PIC24FJ48GA002-I/ML datasheet/specifications on AllelcoElec.com. Request a quote for PIC24FJ48GA002-I/ML, please send us email: info@allelco.com

Specifications

PIC24FJ48GA002-I/ML Tech Specifications
PIC24FJ48GA002-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	48KB (16K 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	PIC24FJ48GA002
Package	Tube		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology PIC24FJ48GA002-I/ML

Product Attribute				
Part Number	PIC24FJ48GA002-I/ML	PIC24FJ48GA004-E/PT	PIC24FJ32MC104-I/PT	PIC24FJ32GB002-I/SO
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Supplier Device Package	28-QFN (6x6)	44-TQFP (10x10)	44-TQFP (10x10)	28-SOIC
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Peripherals	Brown-out Detect/Reset, LVD, POR, PWM, WDT	Brown-out Detect/Reset, LVD, POR, PWM, WDT	Brown-out Detect/Reset, Motor Control PWM, POR, PWM, WDT	Brown-out Detect/Reset, LVD, POR, PWM, WDT
Package	Tube	Tray	Tray	Tube
Connectivity	I²C, PMP, SPI, UART/USART	I²C, PMP, SPI, UART/USART	I²C, IrDA, LINbus, SPI, UART/USART	I²C, IrDA, SPI, UART/USART, USB OTG
Program Memory Type	FLASH	FLASH	FLASH	FLASH
EEPROM Size	-	-	-	-
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Speed	32MHz	32MHz	16 MIPS	32MHz
Series	PIC® 24F	PIC® 24F	PIC® 24F	PIC® XLP™ 24F
Core Size	16-Bit	16-Bit	16-Bit	16-Bit
Base Product Number	PIC24FJ48GA002	PIC24FJ48GA004	PIC24FJ32MC104	PIC24FJ32GB002
Data Converters	A/D 10x10b	A/D 13x10b	A/D 14x10b	A/D 9x10b
Oscillator Type	Internal	Internal	Internal	Internal
Voltage - Supply (Vcc/Vdd)	2V ~ 3.6V	2V ~ 3.6V	3V ~ 3.6V	2V ~ 3.6V
Core Processor	PIC	PIC	PIC	PIC
Package / Case	28-VQFN Exposed Pad	44-TQFP	44-TQFP	28-SOIC (0.295", 7.50mm Width)
Program Memory Size	48KB (16K x 24)	48KB (16K x 24)	32KB (11K x 24)	32KB (11K x 24)
Number of I/O	21	35	35	19
RAM Size	8K x 8	8K x 8	1K x 16	8K x 8

PIC24FJ48GA002-I/ML Datasheet PDF

Download PIC24FJ48GA002-I/ML pdf datasheets and Microchip Technology documentation for PIC24FJ48GA002-I/ML - Microchip Technology.

Datasheets

- [PIC24FJ64GA004 Family.pdf](#)
- [PIC24FJzzzGA0zz Programming Specification.pdf](#)
- [16-bit Embedded Control Solutions.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

PCN Design/Specification



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



PIC24FJ64GA004 Family DataSheet 18/May/2013.pdf

Customers Also Interested in

Recommended Products



PIC24FJ48GA004-E/PT

Microchip Technology
IC MCU 16BIT 48KB FLASH 44TQFP



PIC24FJ32MC104-I/PT

Microchip Technology
IC MCU 16BIT 32KB FLASH 44TQFP



PIC24FJ32GB002-I/SO

Microchip Technology
IC MCU 16BIT 32KB FLASH 28SOIC



PIC24FJ48GA004-I/PT

Microchip Technology
IC MCU 16BIT 48KB FLASH 44TQFP



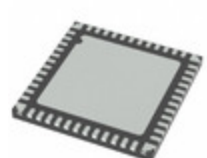
PIC24FJ32MC101-I/SO

Microchip Technology
IC MCU 16BIT 32KB FLASH 20SOIC



PIC24FJ48GA002-I/SO

Microchip Technology
IC MCU 16BIT 48KB FLASH 28SOIC



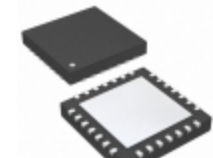
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Microchip Technology
IC MCU 16BIT 32KB FLASH 48UQFN



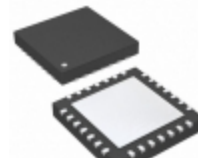
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Microchip Technology
IC MCU 16BIT 48KB FLASH 44TQFP



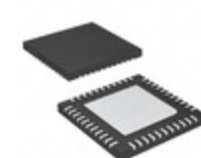
PIC24FJ32GB002-I/ML

Microchip Technology
IC MCU 16BIT 32KB FLASH 28QFN



PIC24FJ48GA002T-I/ML

Microchip Technology
IC MCU 16BIT 48KB FLASH 28QFN



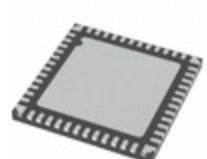
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Microchip Technology
IC MCU 16BIT 48KB FLASH 44QFN



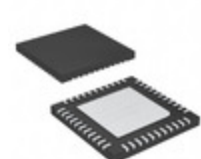
PIC24FJ32GP202T-I/SS

Microchip Technology
IC MCU 16BIT 32KB FLASH 28SSOP



PIC24FJ32GP205-I/M4

Microchip Technology
IC MCU 16BIT 32KB FLASH 48UQFN



PIC24FJ48GA004-I/ML

Microchip Technology
IC MCU 16BIT 48KB FLASH 44QFN



PIC24FJ32GB002-I/SS

Microchip Technology
IC MCU 16BIT 32KB FLASH 28SSOP



PIC24FJ512GA606-I/PT

Microchip Technology
IC MCU 16BIT 512KB FLASH 64TQFP



PIC24FJ48GA002-I/SS

Microchip Technology
IC MCU 16BIT 48KB FLASH 28SSOP



PIC24FJ32GB004-I/PT

Microchip Technology
IC MCU 16BIT 32KB FLASH 44TQFP

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
+00852 9146 4856



Email
info@allelco.com

Certifications & Memberships



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