



PIC24FJ16GA002-E/SO

Manufacturer Part Number	PIC24FJ16GA002-E/SO
Manufacturer	Microchip Technology
Allelco Part Number	32D-PIC24FJ16GA002-E/SO
ECAD Model	Request Free CAD Models
Parts Description	IC MCU 16BIT 16KB FLASH 28SOIC
Package	28-SOIC (0.295", 7.50mm Width)
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

PIC24FJ16GA002-E/SO - Microchip Technology. New Original in Stock. Download Linear Technology PIC24FJ16GA002-E/SO datasheet/specifications on AllelcoElec.com. Request a quote for PIC24FJ16GA002-E/SO, please send us email: info@allelco.com

Specifications

PIC24FJ16GA002-E/SO Tech Specifications
PIC24FJ16GA002-E/SO - 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 ~ 125°C (TA)
Supplier Device Package	28-SOIC	Number of I/O	21
Speed	32MHz	Mounting Type	Surface Mount
Series	PIC® 24F	EEPROM Size	-
RAM Size	4K x 8	Data Converters	A/D 10x10b
Program Memory Type	FLASH	Core Size	16-Bit
Program Memory Size	16KB (5.5K x 24)	Core Processor	PIC
Peripherals	Brown-out Detect/Reset, LVD, POR, PWM, WDT	Connectivity	I²C, PMP, SPI, UART/USART
Package / Case	28-SOIC (0.295", 7.50mm Width)	Base Product Number	PIC24FJ16GA002
Package	Tube		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology PIC24FJ16GA002-E/SO

Product Attribute	NO PICTURE			
Part Number	PIC24FJ16GA002-E/SO	PIC24FJ16GA002-I/ML	PIC24FJ128GL405-I/PT	PIC24FJ16GA002-I/SO
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Connectivity	I²C, PMP, SPI, UART/USART	I²C, PMP, SPI, UART/USART	I²C, IrDA, LINbus, SPI, UART/USART	I²C, PMP, SPI, UART/USART
Speed	32MHz	32MHz	32MHz	32MHz
Series	PIC® 24F	PIC® 24F	Automotive, AEC-Q100, PIC® 24F	PIC® 24F
Peripherals	Brown-out Detect/Reset, LVD, POR, PWM, WDT	Brown-out Detect/Reset, LVD, POR, PWM, WDT	DMA, LCD, PWM, WDT	Brown-out Detect/Reset, LVD, POR, PWM, WDT
Number of I/O	21	21	39	21
Supplier Device Package	28-SOIC	28-QFN (6x6)	48-TQFP (7x7)	28-SOIC
EEPROM Size	-	-	-	-
Package / Case	28-SOIC (0.295", 7.50mm Width)	28-VQFN Exposed Pad	48-TQFP	28-SOIC (0.295", 7.50mm Width)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Base Product Number	PIC24FJ16GA002	PIC24FJ16GA002	PIC24FJ128GL405	PIC24FJ16GA002
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Operating Temperature	-40°C ~ 125°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Voltage - Supply (Vcc/Vdd)	2V ~ 3.6V	2V ~ 3.6V	2V ~ 3.6V	2V ~ 3.6V
Core Processor	PIC	PIC	PIC	PIC
Package	Tube	Tube	Tray	Tube
Data Converters	A/D 10x10b	A/D 10x10b	A/D 24x10b/12b	A/D 10x10b
Oscillator Type	Internal	Internal	External	Internal
RAM Size	4K x 8	4K x 8	32K x 8	4K x 8
Program Memory Size	16KB (5.5K x 24)	16KB (5.5K x 24)	128KB (128K x 8)	16KB (5.5K x 24)
Core Size	16-Bit	16-Bit	16-Bit	16-Bit

PIC24FJ16GA002-E/SO Datasheet PDF

Download PIC24FJ16GA002-E/SO pdf datasheets and Microchip Technology documentation for PIC24FJ16GA002-E/SO - 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 Assembly/Origin



SOIC-28L Revision 17/Dec/2013.pdf

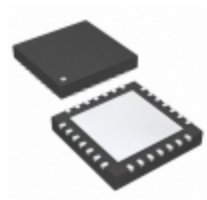
PCN Design/Specification



PIC24FJ64GA004 Family DataSheet
18/May/2013.pdf

Customers Also Interested in

Recommended Products



PIC24FJ16GA002-I/ML

Microchip Technology
IC MCU 16BIT 16KB FLASH 28QFN



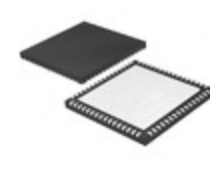
PIC24FJ128GL405-I/PT

Microchip Technology
IC MCU 16BIT 128KB FLASH 48TQFP



PIC24FJ16GA002-I/SO

Microchip Technology
IC MCU 16BIT 16KB FLASH 28SSOIC



PIC24FJ128GC006-I/MR

Microchip Technology
IC MCU 16BIT 128KB FLASH 64VQFN



PIC24FJ128GL306-I/PT

Microchip Technology
IC MCU 16BIT 128KB FLASH 64TQFP



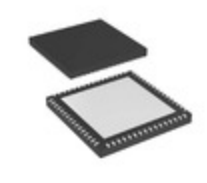
PIC24FJ16GA002-I/SO

Microchip Technology
IC MCU 16BIT 16KB FLASH 28SSOIC



PIC24FJ16GA002-I/SS

Microchip Technology
IC MCU 16BIT 16KB FLASH 28SSOP



PIC24FJ128GL306-I/MR

Microchip Technology
IC MCU 16BIT 128KB FLASH 64QFN



PIC24FJ16GA002-I/SS

Microchip Technology
IC MCU 16BIT 16KB FLASH 28SSOP



PIC24FJ16GA

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PIC24FJ128GL306T-I/PT

Microchip Technology
IC MCU 16BIT 128KB FLASH 64TQFP



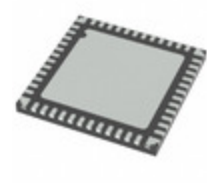
PIC24FJ16GA002-I/SP

Microchip Technology
IC MCU 16BIT 16KB FLASH 28SPDIP



PIC24FJ16GA002-E/SS

Microchip Technology
IC MCU 16BIT 16KB FLASH 28SSOP



PIC24FJ128GL305-E/M4

Microchip Technology
IC MCU 16BIT 128KB FLASH 48UQFN



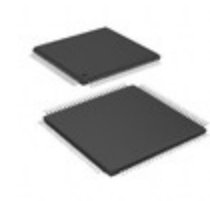
PIC24FJ128GC006-I/PT

Microchip Technology
IC MCU 16BIT 128KB FLASH 64TQFP



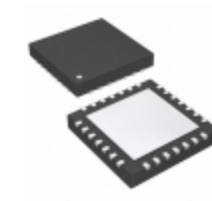
PIC24FJ16GA-002-I/SS

Micrel / Microchip Technology



PIC24FJ128GC010-I/PT

Microchip Technology
IC MCU 16BIT 128KB FLASH 100TQFP



PIC24FJ16GA002T-I/ML

Microchip Technology
IC MCU 16BIT 16KB FLASH 28QFN

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 Alleco 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@alleco.com

Certifications & Memberships



View More

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