



Image may be representation.  
See specifications for product details.



## PIC24FJ96GA006-I/PT

Manufacturer Part Number **PIC24FJ96GA006-I/PT**

Manufacturer **Microchip Technology**

Allelco Part Number **32D-PIC24FJ96GA006-I/PT**

ECAD Model PCB Symbol, Footprint & 3D Model

Parts Description **IC MCU 16BIT 96KB FLASH 64TQFP**

Package **64-TQFP**

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

**PIC24FJzzGA0zz Programming Specification.pdf**

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

**PIC24FJ128GA010 Family Data Sheet.pdf**

RoHs Status **ROHS3 Compliant**

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## Specifications

PIC24FJ96GA006-I/PT Tech Specifications

PIC24FJ96GA006-I/PT - 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	64-TQFP (10x10)	Number of I/O	53
Speed	16MHz	Mounting Type	Surface Mount
Series	PIC® 24F	EEPROM Size	-
RAM Size	8K x 8	Data Converters	A/D 16x10b
Program Memory Type	FLASH	Core Size	16-Bit
Program Memory Size	96KB (32K x 24)	Core Processor	PIC
Peripherals	Brown-out Detect/Reset, POR, PWM, WDT	Connectivity	I²C, PMP, SPI, UART/USART
Package / Case	64-TQFP	Base Product Number	PIC24FJ96GA006
Package	Tray		

## Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology PIC24FJ96GA006-I/PT

Product Attribute				
Part Number	PIC24FJ96GA006-I/PT	PIC24FJ64GB106-I/PT	PIC24FJ96GA008-I/PT	PIC24FV16KA302-I/ML
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Base Product Number	PIC24FJ96GA006	PIC24FJ64GB106	PIC24FJ96GA008	PIC24FV16KA302
Core Size	16-Bit	16-Bit	16-Bit	16-Bit
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Voltage - Supply (Vcc/Vdd)	2V ~ 3.6V	2V ~ 3.6V	2V ~ 3.6V	2V ~ 5.5V
Data Converters	A/D 16x10b	A/D 16x10b	A/D 16x10b	A/D 13x12b
Speed	16MHz	32MHz	16MHz	32MHz
Number of I/O	53	51	69	23
EEPROM Size	-	-	-	512 x 8
Oscillator Type	Internal	Internal	Internal	Internal
Package	Tray	Tray	Tray	Tube
Supplier Device Package	64-TQFP (10x10)	64-TQFP (10x10)	80-TQFP (12x12)	28-QFN (6x6)
Program Memory Size	96KB (32K x 24)	64KB (22K x 24)	96KB (32K x 24)	16KB (5.5K x 24)
Package / Case	64-TQFP	64-TQFP	80-TQFP	28-VQFN Exposed Pad
RAM Size	8K x 8	16K x 8	8K x 8	2K x 8
Connectivity	I²C, PMP, SPI, UART/USART	I²C, SPI, UART/USART, USB OTG	I²C, PMP, SPI, UART/USART	I²C, IrDA, LINbus, SPI, UART/USART
Series	PIC® 24F	PIC® 24F	PIC® 24F	PIC® XLP™ 24F
Core Processor	PIC	PIC	PIC	PIC
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Peripherals	Brown-out Detect/Reset, POR, PWM, WDT	Brown-out Detect/Reset, LVD, POR, PWM, WDT	Brown-out Detect/Reset, POR, PWM, WDT	Brown-out Detect/Reset, HLVD, POR, PWM, WDT

## PIC24FJ96GA006-I/PT Datasheet PDF

Download PIC24FJ96GA006-I/PT pdf datasheets and Microchip Technology documentation for PIC24FJ96GA006-I/PT - Microchip Technology.

### Datasheets



PIC24FJzzGA0zz Programming Specification.pdf



16-bit Embedded Control Solutions.pdf



PIC24FJ128GA010 Family Data Sheet.pdf

## PCN Packaging



Label and Packing Changes 23/Sep/2015.pdf



MBB/Label Chgs 16/Nov/2018.pdf

## HTML Datasheet



16-bit Embedded Control Solutions.pdf

## PCN Assembly/Origin



Additional Fabrication Site 11/Oct/2013.pdf

## Customers Also Interested in

### Recommended Products



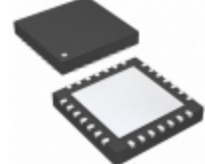
**PIC24FJ64GB106-I/PT**

Microchip Technology  
IC MCU 16BIT 64KB FLASH 64TQFP



**PIC24FJ96GA008-I/PT**

Microchip Technology  
IC MCU 16BIT 96KB FLASH 80TQFP



**PIC24FV16KA302-I/ML**

Microchip Technology  
IC MCU 16BIT 16KB FLASH 28QFN



**PIC24FJ64GC010-I/PT**

Microchip Technology  
IC MCU 16BIT 64KB FLASH 100TQFP



**PIC24FV16KA304-I/PT**

Microchip Technology  
IC MCU 16BIT 16KB FLASH 44TQFP



**PIC24FJ64GU205-E/PT**

Microchip Technology  
IC MCU 16BIT 64KB FLASH 48TQFP



**PIC24FV16KA301T-I/SS**

Microchip Technology  
IC MCU 16BIT 16KB FLASH 20SSOP



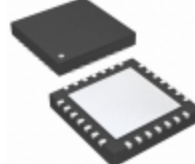
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Microchip Technology  
IC MCU 16BIT 16KB FLASH 20SSOP



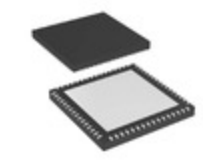
**PIC24FJ64GC006-I/PT**

Microchip Technology  
IC MCU 16BIT 64KB FLASH 64TQFP



**PIC24FJ64GP202-I/ML**

Microchip Technology  
IC MCU 16BIT 64KB FLASH 28QFN



**PIC24FJ64GL306-E/MR**

Microchip Technology  
IC MCU 16BIT 64KB FLASH 64QFN



**PIC24FJ64GL306-I/PT**

Microchip Technology  
IC MCU 16BIT 64KB FLASH 64TQFP



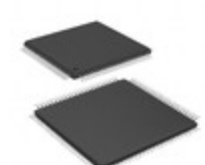
**PIC24FV08KM101-I/SO**

Microchip Technology  
IC MCU 16BIT 8KB FLASH 20SOIC



**PIC24FV16KA302-I/SO**

Microchip Technology  
IC MCU 16BIT 16KB FLASH 28SOIC



**PIC24FJ64GB110-I/PT**

Microchip Technology  
IC MCU 16BIT 64KB FLASH 100TQFP



**PIC24FJ64GB004-I/PT**

Microchip Technology  
IC MCU 16BIT 64KB FLASH 44TQFP



**PIC24FV16KA302-I/SP**

Microchip Technology  
IC MCU 16BIT 16KB FLASH 28SPDIP



**PIC24FJ96GA010-I/PT**

Microchip Technology  
IC MCU 16BIT 96KB FLASH 100TQFP

## 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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