



Image may be representation.
See specifications for product details.



PIC18F4431-I/P

Manufacturer Part Number **PIC18F4431-I/P**

Manufacturer **Microchip Technology**

Allelco Part Number **32D-PIC18F4431-I/P**

ECAD Model PCB Symbol, Footprint & 3D Mode

Parts Description **IC MCU 8BIT 16KB FLASH 40DIP**

Package **40-DIP (0.600', 15.24mm)**

Data sheet **[PIC18F2x31, 4x31 Programming Specification.pdf](#)**

[PIC18F2x31, 4x31 Data Sheet.pdf](#)

RoHs Status **ROHS3 Compliant**

Get a Quote

PIC18F4431-I/P - Microchip Technology. New Original in Stock. Download Linear Technology PIC18F4431-I/P datasheet/specifications on AllelcoElec.com.
Request a quote for PIC18F4431-I/P, please send us email: info@allelco.com

Specifications

PIC18F4431-I/P Tech Specifications

PIC18F4431-I/P - Microchip Technology technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Microchip Technology	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	4.2V ~ 5.5V	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package	40-PDIP	Number of I/O	36
Speed	40MHz	Mounting Type	Through Hole
Series	PIC® 18F	EEPROM Size	256 x 8
RAM Size	768 x 8	Data Converters	A/D 9x10b
Program Memory Type	FLASH	Core Size	8-Bit
Program Memory Size	16KB (8K x 16)	Core Processor	PIC
Peripherals	Brown-out Detect/Reset, LVD, Power Control PWM, QEI, POR, PWM, WDT	Connectivity	I ² C, SPI, UART/USART
Package / Case	40-DIP (0.600', 15.24mm)	Base Product Number	PIC18F4431
Package	Tube		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology PIC18F4431-I/P

Product Attribute				
Part Number	PIC18F4431-I/P	PIC18F442-E/PT	PIC18F4431-I/PT	PIC18F43K22-I/PT
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Oscillator Type	Internal	External	Internal	Internal
RAM Size	768 x 8	768 x 8	768 x 8	512 x 8
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Base Product Number	PIC18F4431	PIC18F442	PIC18F4431	PIC18F43
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
Package / Case	40-DIP (0.600', 15.24mm)	44-TQFP	44-TQFP	44-TQFP
Mounting Type	Through Hole	Surface Mount	Surface Mount	Surface Mount
Package	Tube	Tray	Tray	Tray
Core Processor	PIC	PIC	PIC	PIC
Number of I/O	36	34	36	35
Program Memory Size	16KB (8K x 16)	16KB (8K x 16)	16KB (8K x 16)	8KB (4K x 16)
Connectivity	I ² C, SPI, UART/USART	I ² C, SPI, UART/USART	I ² C, SPI, UART/USART	I ² C, SPI, UART/USART
Speed	40MHz	40MHz	40MHz	64MHz
Peripherals	Brown-out Detect/Reset, LVD, Power Control PWM, QEI, POR, PWM, WDT	Brown-out Detect/Reset, LVD, POR, PWM, WDT	Brown-out Detect/Reset, LVD, Power Control PWM, QEI, POR, PWM, WDT	Brown-out Detect/Reset, HLVD, POR, PWM, WDT
Supplier Device Package	40-PDIP	44-TQFP (10x10)	44-TQFP (10x10)	44-TQFP (10x10)
EEPROM Size	256 x 8	256 x 8	256 x 8	256 x 8
Series	PIC® 18F	PIC® 18F	PIC® 18F	PIC® XLP™ 18K
Data Converters	A/D 9x10b	A/D 8x10b	A/D 9x10b	A/D 30x10b
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Voltage - Supply (Vcc/Vdd)	4.2V ~ 5.5V	4.2V ~ 5.5V	4.2V ~ 5.5V	2.3V ~ 5.5V

PIC18F4431-I/P Datasheet PDF


Download PIC18F4431-I/P pdf datasheets and Microchip Technology documentation for PIC18F4431-I/P - Microchip Technology.

Datasheets

PIC18F2x31, 4x31 Data Sheet.pdf

PCN Packaging


 Label and Packing Changes 23/Sep/2015.pdf

 Packing Changes 10/Oct/2016.pdf


PCN Assembly/Origin

 2.73KHz.pdf

PCN Design/Specification

 Wire Chg 13/Jan/2016.pdf

HTML Datasheet

 PIC18F2x31, 4x31 Programming Specification.pdf

Customers Also Interested in

Recommended Products



PIC18F442-E/PT

Microchip Technology
IC MCU 8BIT 16KB FLASH 44TQFP



PIC18F4431-I/PT

Microchip Technology
IC MCU 8BIT 16KB FLASH 44TQFP



PIC18F43K22-I/PT

Microchip Technology
IC MCU 8BIT 8KB FLASH 44TQFP



PIC18F43K22T-I/MV

Microchip Technology
IC MCU 8BIT 8KB FLASH 40UQFN



PIC18F43K20T-I/PT

Microchip Technology
IC MCU 8BIT 8KB FLASH 44TQFP



PIC18F4410-I/PT

Microchip Technology
IC MCU 8BIT 16KB FLASH 44TQFP



PIC18F442T-I/PT

Microchip Technology
IC MCU 8BIT 16KB FLASH 44TQFP



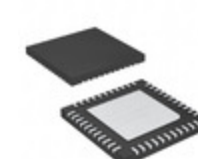
PIC18F442-I/L

Microchip Technology
IC MCU 8BIT 16KB FLASH 44PLCC



PIC18F43K20-I/PT

Microchip Technology
IC MCU 8BIT 8KB FLASH 44TQFP



PIC18F4480-E/ML

Microchip Technology
IC MCU 8BIT 16KB FLASH 44QFN



PIC18F448-I/P

Microchip Technology
IC MCU 8BIT 16KB FLASH 40DIP



PIC18F4455-I/P

Microchip Technology
IC MCU 8BIT 24KB FLASH 40DIP



PIC18F448-I/L

Microchip Technology
IC MCU 8BIT 16KB FLASH 44PLCC



PIC18F4458-I/PT

Microchip Technology
IC MCU 8BIT 24KB FLASH 44TQFP



PIC18F4480-E/PT

Microchip Technology
IC MCU 8BIT 16KB FLASH 44TQFP



PIC18F4420-I/PT

Microchip Technology
IC MCU 8BIT 16KB FLASH 44TQFP



PIC18F448-I/PT

Microchip Technology
IC MCU 8BIT 16KB FLASH 44TQFP



PIC18F4480-I/PT

Microchip Technology
IC MCU 8BIT 16KB 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

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Email

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Certifications & Memberships



View More

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