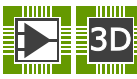





## PIC18F2431-I/SO

Manufacturer Part Number	<a href="#">PIC18F2431-I/SO</a>
Manufacturer	<a href="#">Microchip Technology</a>
Allelco Part Number	32D-PIC18F2431-I/SO
ECAD Model	 PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 8BIT 16KB FLASH 28SOIC
Package	28-SOIC (0.295", 7.50mm Width)
Data sheet	<a href="#">PIC18F2x31, 4x31 Programming Specification.pdf</a> <a href="#">PIC18F2x31, 4x31 Data Sheet.pdf</a>
RoHS Status	 ROHS3 Compliant



Get a Quote

PIC18F2431-I/SO - Microchip Technology. New Original in Stock. Download Linear Technology PIC18F2431-I/SO datasheet/specifications on AllelcoElec.com.  
Request a quote for PIC18F2431-I/SO, please send us email: [info@allelco.com](mailto:info@allelco.com)

## Specifications





PIC18F2431-I/SO Tech Specifications

PIC18F2431-I/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)	4.2V ~ 5.5V	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package	28-SOIC	Number of I/O	24
Speed	40MHz	Mounting Type	Surface Mount
Series	PIC® 18F	EEPROM Size	256 x 8
RAM Size	768 x 8	Data Converters	A/D 5x10b
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	I²C, SPI, UART/USART
Package / Case	28-SOIC (0.295", 7.50mm Width)	Base Product Number	PIC18F2431
Package	Tube		

## Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology PIC18F2431-I/SO

Product Attribute	 NO PICTURE			
Part Number	<a href="#">PIC18F2431-I/SO</a>	<a href="#">PIC18F2480-I/SO</a>	<a href="#">PIC18F2455-I/SP</a>	<a href="#">PIC18F2420T-I/SO</a>
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
EEPROM Size	256 x 8	256 x 8	256 x 8	256 x 8
Base Product Number	PIC18F2431	PIC18F2480	PIC18F2455	PIC18F2420
Connectivity	I²C, SPI, UART/USART	CANbus, I²C, SPI, UART/USART	I²C, SPI, UART/USART, USB	I²C, SPI, UART/USART
Core Processor	PIC	PIC	PIC	PIC
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Number of I/O	24	25	24	25
Package / Case	28-SOIC (0.295", 7.50mm Width)	28-SOIC (0.295", 7.50mm Width)	28-DIP (0.300", 7.62mm)	28-SOIC (0.295", 7.50mm Width)
Program Memory Size	16KB (8K x 16)	16KB (8K x 16)	24KB (12K x 16)	16KB (8K x 16)
Supplier Device Package	28-SOIC	28-SOIC	28-SPDIP	28-SOIC
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Package	Tube	Tube	Tube	Tape & Reel (TR)
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
RAM Size	768 x 8	768 x 8	2K x 8	768 x 8
Data Converters	A/D 5x10b	A/D 8x10b	A/D 10x10b	A/D 10x10b
Speed	40MHz	40MHz	48MHz	40MHz
Peripherals	Brown-out Detect/Reset, LVD, Power Control PWM, QEI, POR, PWM, WDT	Brown-out Detect/Reset, HLVD, POR, PWM, WDT	Brown-out Detect/Reset, HLVD, POR, PWM, WDT	Brown-out Detect/Reset, HLVD, POR, PWM, WDT
Oscillator Type	Internal	Internal	Internal	Internal
Mounting Type	Surface Mount	Surface Mount	Through Hole	Surface Mount
Series	PIC® 18F	PIC® 18F	PIC® 18F	PIC® 18F
Voltage - Supply (Vcc/Vdd)	4.2V ~ 5.5V	4.2V ~ 5.5V	4.2V ~ 5.5V	4.2V ~ 5.5V

## PIC18F2431-I/SO Datasheet PDF

Download PIC18F2431-I/SO pdf datasheets and Microchip Technology documentation for PIC18F2431-I/SO - Microchip Technology.

### Datasheets



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



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

### PCN Packaging

Label and Packing Changes 23/Sep/2015.pdf




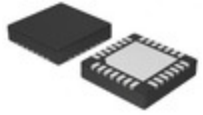



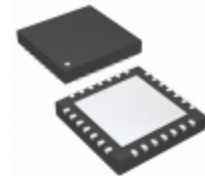
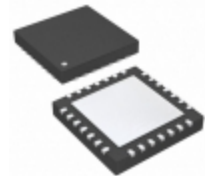

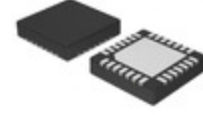







Packing Changes 10/Oct/2016.pdf

### PCN Assembly/Origin

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

### Customers Also Interested in

#### Recommended Products

 <b>PIC18F2480-I/SO</b> Microchip Technology IC MCU 8BIT 16KB FLASH 28SOIC	 <b>PIC18F2455-I/SP</b> Microchip Technology IC MCU 8BIT 24KB FLASH 28SPDIP	 <b>PIC18F2420T-I/SO</b> Microchip Technology IC MCU 8BIT 16KB FLASH 28SOIC	 <b>PIC18F2431-I/MM</b> Microchip Technology IC MCU 8BIT 16KB FLASH 28QFN	 <b>PIC18F248-I/SP</b> Microchip Technology IC MCU 8BIT 16KB FLASH 28SPDIP	 <b>PIC18F2420-I/SP</b> Microchip Technology IC MCU 8BIT 16KB FLASH 28SPDIP
 <b>PIC18F242T-I/SO</b> Microchip Technology IC MCU 8BIT 16KB FLASH 28SOIC	 <b>PIC18F2420-E/ML</b> Microchip Technology IC MCU 8BIT 16KB FLASH 28QFN	 <b>PIC18F2420-I/ML</b> Microchip Technology IC MCU 8BIT 16KB FLASH 28QFN	 <b>PIC18F2423-I/SO</b> Microchip Technology IC MCU 8BIT 16KB FLASH 28SOIC	 <b>PIC18F2431T-I/MM</b> Microchip Technology IC MCU 8BIT 16KB FLASH 28QFN	 <b>PIC18F248-I/SO</b> Microchip Technology IC MCU 8BIT 16KB FLASH 28SOIC
 <b>PIC18F2450-I/SP</b> Microchip Technology IC MCU 8BIT 16KB FLASH 28SPDIP	 <b>PIC18F2420-I/SO</b> Microchip Technology IC MCU 8BIT 16KB FLASH 28SOIC	 <b>PIC18F2423-I/SP</b> Microchip Technology IC MCU 8BIT 16KB FLASH 28SPDIP	 <b>PIC18F2450-I/SO</b> Microchip Technology IC MCU 8BIT 16KB FLASH 28SOIC	 <b>PIC18F2455-I/SO</b> Microchip Technology IC MCU 8BIT 24KB FLASH 28SOIC	 <b>PIC18F248-E/SO</b> Microchip Technology IC MCU 8BIT 16KB FLASH 28SOIC

### 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.



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 Efficient Supply Management	 Cost-Saving Procurement	 Fast Sourcing & Delivery
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Contact us if you have any questions.

 Phone +00852 9146 4856	 Email info@allelco.com
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### Certifications & Memberships



View More

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