



Image may be representation.  
See specifications for product details.



## PIC18F452-I/P

Manufacturer Part Number	<b>PIC18F452-I/P</b>
Manufacturer	<b>Microchip Technology</b>
Allelco Part Number	32D-PIC18F452-I/P
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC MCU 8BIT 32KB FLASH 40DIP
Package	40-DIP (0.600", 15.24mm)
Data sheet	<b>PIC18Fxx2, xx8 Programming Specification.pdf</b> <b>PIC18Fxx2 Datasheet.pdf</b>
RoHs Status	ROHS3 Compliant

**Get a Quote**

PIC18F452-I/P - Microchip Technology. New Original in Stock. Download Linear Technology PIC18F452-I/P datasheet/specifications on AllelcoElec.com.  
Request a quote for PIC18F452-I/P, please send us email: [info@allelco.com](mailto:info@allelco.com)

## Specifications

PIC18F452-I/P Tech Specifications

PIC18F452-I/P - Microchip Technology technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Microchip Technology	Oscillator Type	External
Voltage - Supply (Vcc/Vdd)	4.2V ~ 5.5V	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package	40-PDIP	Number of I/O	34
Speed	40MHz	Mounting Type	Through Hole
Series	PIC® 18F	EEPROM Size	256 x 8
RAM Size	1.5K x 8	Data Converters	A/D 8x10b
Program Memory Type	FLASH	Core Size	8-Bit
Program Memory Size	32KB (16K x 16)	Core Processor	PIC
Peripherals	Brown-out Detect/Reset, LVD, POR, PWM, WDT	Connectivity	I <sup>2</sup> C, SPI, UART/USART
Package / Case	40-DIP (0.600", 15.24mm)	Base Product Number	PIC18F452
Package	Tube		

## Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology PIC18F452-I/P

Product Attribute				
Part Number	PIC18F452-I/P	<b>PIC18F4515-I/PT</b>	<b>PIC18F452T-I/PT</b>	<b>PIC18F44K22T-I/MV</b>
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	PIC18F452	PIC18F4515	PIC18F452	PIC18F44
RAM Size	1.5K x 8	3.8K x 8	1.5K x 8	768 x 8
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Package	Tube	Tray	Tape & Reel (TR)	Tape & Reel (TR)
Package / Case	40-DIP (0.600", 15.24mm)	44-TQFP	44-TQFP	40-UQFN Exposed Pad
Core Processor	PIC	PIC	PIC	PIC
Data Converters	A/D 8x10b	A/D 13x10b	A/D 8x10b	A/D 30x10b
Supplier Device Package	40-PDIP	44-TQFP (10x10)	44-TQFP (10x10)	40-UQFN (5x5)
Program Memory Size	32KB (16K x 16)	48KB (24K x 16)	32KB (16K x 16)	16KB (8K x 16)
Speed	40MHz	40MHz	40MHz	64MHz
Peripherals	Brown-out Detect/Reset, LVD, POR, PWM, WDT	Brown-out Detect/Reset, HLVD, POR, PWM, WDT	Brown-out Detect/Reset, LVD, POR, PWM, WDT	Brown-out Detect/Reset, HLVD, POR, PWM, WDT
Series	PIC® 18F	PIC® 18F	PIC® 18F	PIC® XLP™ 18K
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
Connectivity	I <sup>2</sup> C, SPI, UART/USART	I <sup>2</sup> C, SPI, UART/USART	I <sup>2</sup> C, SPI, UART/USART	I <sup>2</sup> C, SPI, UART/USART
Voltage - Supply (Vcc/Vdd)	4.2V ~ 5.5V	4.2V ~ 5.5V	4.2V ~ 5.5V	2.3V ~ 5.5V
Mounting Type	Through Hole	Surface Mount	Surface Mount	Surface Mount
EEPROM Size	256 x 8	-	256 x 8	256 x 8
Oscillator Type	External	Internal	External	Internal
Number of I/O	34	36	34	35

## PIC18F452-I/P Datasheet PDF

Download PIC18F452-I/P pdf datasheets and Microchip Technology documentation for PIC18F452-I/P - Microchip Technology.

### Datasheets

- [PIC18Fxx2, xx8 Programming Specification.pdf](#)
- [PIC18Fxx2 Datasheet.pdf](#)


### PCN Packaging

- [Packing Changes 10/Oct/2016.pdf](#)
- [MBB/Label Chgs 16/Nov/2018.pdf](#)

## PCN Assembly/Origin




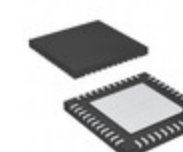
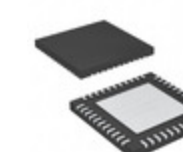



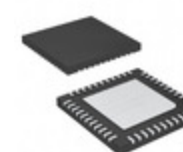

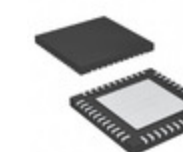







 Mult Dev 13/Apr/2020.pdf

## PCN Design/Specification

 Wire Chg 13/Jan/2016.pdf

## Customers Also Interested in

### Recommended Products

					
<b>PIC18F4515-I/PT</b> Microchip Technology IC MCU 8BIT 48KB FLASH 44TQFP	<b>PIC18F452T-I/PT</b> Microchip Technology IC MCU 8BIT 32KB FLASH 44TQFP	<b>PIC18F44K22T-I/MV</b> Microchip Technology IC MCU 8BIT 16KB FLASH 40UQFN	<b>PIC18F4520-I/ML</b> Microchip Technology IC MCU 8BIT 32KB FLASH 44QFN	<b>PIC18F452-I/ML</b> Microchip Technology IC MCU 8BIT 32KB FLASH 44QFN	<b>PIC18F4520-I/PT</b> Microchip Technology IC MCU 8BIT 32KB FLASH 44TQFP
					
<b>PIC18F4510-I/PT</b> Microchip Technology IC MCU 8BIT 32KB FLASH 44TQFP	<b>PIC18F452-I/PT</b> Microchip Technology IC MCU 8BIT 32KB FLASH 44TQFP	<b>PIC18F44K22-I/ML</b> Microchip Technology IC MCU 8BIT 16KB FLASH 44QFN	<b>PIC18F4523-I/PT</b> Microchip Technology IC MCU 8BIT 32KB FLASH 44TQFP	<b>PIC18F4525-I/ML</b> Microchip Technology IC MCU 8BIT 48KB FLASH 44QFN	<b>PIC18F452-E/PT</b> Microchip Technology IC MCU 8BIT 32KB FLASH 44TQFP
					
<b>PIC18F44K22-I/PT</b> Microchip Technology IC MCU 8BIT 16KB FLASH 44TQFP	<b>PIC18F4520T-I/PT</b> Microchip Technology IC MCU 8BIT 32KB FLASH 44TQFP	<b>PIC18F4525-I/PT</b> Microchip Technology IC MCU 8BIT 48KB FLASH 44TQFP	<b>PIC18F452-I/L</b> Microchip Technology IC MCU 8BIT 32KB FLASH 44PLCC	<b>PIC18F4515-I/P</b> Microchip Technology IC MCU 8BIT 48KB FLASH 40DIP	<b>PIC18F44K22T-I/PT</b> 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 -

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

- |  |  |
|--|--|
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|--|--|

### Certifications & Memberships



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