



Image may be representation.
See specifications for product details.



PIC18LF452-I/P

| | |
|--------------------------|---|
| Manufacturer Part Number | PIC18LF452-I/P |
| Manufacturer | Microchip Technology |
| Allelco Part Number | 32D-PIC18LF452-I/P |
| ECAD Model | PCB Footprint and Symbol |
| Parts Description | IC MCU 8BIT 32KB FLASH 40DIP |
| Package | 40-DIP (0.600", 15.24mm) |
| Data sheet | PIC18Fxx2, xx8 Programming Specification.pdf PIC18Fxx2 Datasheet.pdf |
| RoHs Status | ROHS3 Compliant |

Get a Quote

PIC18LF452-I/P - Microchip Technology. New Original in Stock. Download Linear Technology PIC18LF452-I/P datasheet/specifications on AllelcoElec.com.
Request a quote for PIC18LF452-I/P, please send us email: info@allelco.com

Specifications

PIC18LF452-I/P Tech Specifications

PIC18LF452-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) | 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 | I²C, SPI, UART/USART |
| Package / Case | 40-DIP (0.600", 15.24mm) | Base Product Number | PIC18LF452 |
| Package | Tube | | |

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology PIC18LF452-I/P

| Product Attribute | | | | |
|----------------------------|--|---|---|---|
| Part Number | PIC18LF452-I/P | PIC18LF4550-I/ML | PIC18LF4510-I/PT | PIC18LF44K22-I/PT |
| Manufacturer | Microchip Technology | Microchip Technology | Microchip Technology | Microchip Technology |
| Voltage - Supply (Vcc/Vdd) | 2V ~ 5.5V | 2V ~ 5.5V | 2V ~ 5.5V | 1.8V ~ 3.6V |
| Package | Tube | Tube | Tray | Tray |
| Supplier Device Package | 40-PDIP | 44-QFN (8x8) | 44-TQFP (10x10) | 44-TQFP (10x10) |
| Program Memory Size | 32KB (16K x 16) | 32KB (16K x 16) | 32KB (16K x 16) | 16KB (8K x 16) |
| Program Memory Type | FLASH | FLASH | FLASH | FLASH |
| EEPROM Size | 256 x 8 | 256 x 8 | - | 256 x 8 |
| Core Processor | PIC | PIC | PIC | PIC |
| Base Product Number | PIC18LF452 | PIC18LF4550 | PIC18LF4510 | PIC18LF44 |
| RAM Size | 1.5K x 8 | 2K x 8 | 1.5K x 8 | 768 x 8 |
| Oscillator Type | External | Internal | Internal | Internal |
| Speed | 40MHz | 48MHz | 40MHz | 64MHz |
| Connectivity | I²C, SPI, UART/USART | I²C, SPI, UART/USART, USB | I²C, SPI, UART/USART | I²C, SPI, UART/USART |
| Package / Case | 40-DIP (0.600", 15.24mm) | 44-VQFN Exposed Pad | 44-TQFP | 44-TQFP |
| Series | PIC® 18F | PIC® 18F | PIC® 18F | PIC® XLP™ 18K |
| Core Size | 8-Bit | 8-Bit | 8-Bit | 8-Bit |
| Data Converters | A/D 8x10b | A/D 13x10b | A/D 13x10b | A/D 30x10b |
| Mounting Type | Through Hole | Surface Mount | Surface Mount | Surface Mount |
| Peripherals | Brown-out Detect/Reset, LVD, 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 |
| Operating Temperature | -40°C ~ 85°C (TA) | -40°C ~ 85°C (TA) | -40°C ~ 85°C (TA) | -40°C ~ 85°C (TA) |
| Number of I/O | 34 | 35 | 36 | 35 |

PIC18LF452-I/P Datasheet PDF

Download PIC18LF452-I/P pdf datasheets and Microchip Technology documentation for PIC18LF452-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

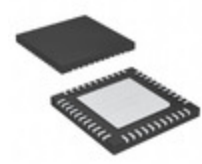





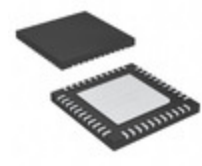
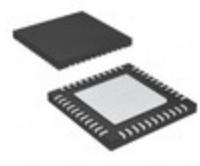





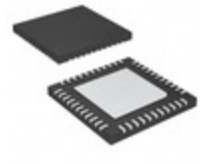
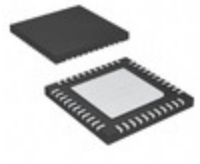
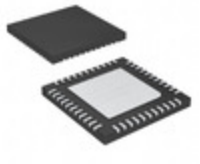
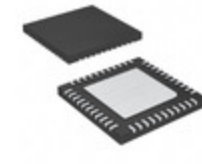

PCN Design/Specification

 Wire Chg 13/Jan/2016.pdf

 PIC18(L)F26/45/46K40 19/Apr/2018.pdf

Customers Also Interested in

Recommended Products

| | | | | | |
|---|---|---|--|---|---|
|  |  |  |  |  |  |
| PIC18LF4550-I/ML Microchip Technology IC MCU 8BIT 32KB FLASH 44QFN | PIC18LF4510-I/PT Microchip Technology IC MCU 8BIT 32KB FLASH 44TQFP | PIC18LF44K22-I/PT Microchip Technology IC MCU 8BIT 16KB FLASH 44TQFP | PIC18LF44K22T-I/PT Microchip Technology IC MCU 8BIT 16KB FLASH 44TQFP | PIC18LF452-I/L Microchip Technology IC MCU 8BIT 32KB FLASH 44PLCC | PIC18LF4520-I/PT Microchip Technology IC MCU 8BIT 32KB FLASH 44TQFP |
|  |  |  |  |  |  |
| PIC18LF452-I/ML Microchip Technology IC MCU 8BIT 32KB FLASH 44QFN | PIC18LF44K22T-I/ML Microchip Technology IC MCU 8BIT 16KB FLASH 44QFN | PIC18LF4515-I/PT Microchip Technology IC MCU 8BIT 48KB FLASH 44TQFP | PIC18LF4523-I/PT Microchip Technology IC MCU 8BIT 32KB FLASH 44TQFP | PIC18LF452-I/PT Microchip Technology IC MCU 8BIT 32KB FLASH 44TQFP | PIC18LF4525T-I/PT Microchip Technology IC MCU 8BIT 48KB FLASH 44TQFP |
|  |  |  |  |  |  |
| PIC18LF4525-I/PT Microchip Technology IC MCU 8BIT 48KB FLASH 44TQFP | PIC18LF4550T-I/ML Microchip Technology IC MCU 8BIT 32KB FLASH 44QFN | PIC18LF4515-I/ML Microchip Technology IC MCU 8BIT 48KB FLASH 44QFN | PIC18LF4458-I/ML Microchip Technology IC MCU 8BIT 24KB FLASH 44QFN | PIC18LF452T-I/ML Microchip Technology IC MCU 8BIT 32KB FLASH 44QFN | PIC18LF44K20-I/PT Micrel / Microchip Technology |

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.

| | |
|--|--|
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