



Image may be representation.
See specifications for product details.



PIC16F1518T-I/SS

Manufacturer Part Number **PIC16F1518T-I/SS**

Manufacturer **Microchip Technology**

Allelco Part Number **32D-PIC16F1518T-I/SS**

ECAD Model Request Free CAD Models

Parts Description **IC MCU 8BIT 28KB FLASH 28SSOP**

Package **28-SSOP (0.209', 5.30mm Width)**

Data sheet **[PIC16\(L\)F1516-19 Datasheet.pdf](#)**

[PIC16\(L\)F151x,152x Programming Spec.pdf](#)

RoHs Status **ROHS3 Compliant**

Get a Quote

PIC16F1518T-I/SS - Microchip Technology, New Original in Stock. Download Linear Technology PIC16F1518T-I/SS datasheet/specifications on AllelcoElec.com.
Request a quote for PIC16F1518T-I/SS, please send us email: info@allelco.com

Specifications

PIC16F1518T-I/SS Tech Specifications

PIC16F1518T-I/SS - Microchip Technology technical specifications, attributes, parameters

| Product Attribute | Attribute Value | Product Attribute | Attribute Value |
|----------------------------|---------------------------------------|-----------------------|------------------------------|
| Manufacturer | Microchip Technology | Oscillator Type | Internal |
| Voltage - Supply (Vcc/Vdd) | 2.3V ~ 5.5V | Operating Temperature | -40°C ~ 85°C (TA) |
| Supplier Device Package | 28-SSOP | Number of I/O | 25 |
| Speed | 20MHz | Mounting Type | Surface Mount |
| Series | PIC® XLP™ 16F | EEPROM Size | - |
| RAM Size | 1K x 8 | Data Converters | A/D 17x10b |
| Program Memory Type | FLASH | Core Size | 8-Bit |
| Program Memory Size | 28KB (16K x 14) | Core Processor | PIC |
| Peripherals | Brown-out Detect/Reset, POR, PWM, WDT | Connectivity | I²C, LINbus, SPI, UART/USART |
| Package / Case | 28-SSOP (0.209', 5.30mm Width) | Base Product Number | PIC16F1518 |
| Package | Tape & Reel (TR) | | |

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology PIC16F1518T-I/SS

| Product Attribute | | | | |
|----------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|
| Part Number | PIC16F1518T-I/SS | PIC16F1519-E/PT | PIC16F15214-I/MF | PIC16F1519-E/MV |
| Manufacturer | Microchip Technology | Microchip Technology | Microchip Technology | Microchip Technology |
| Program Memory Size | 28KB (16K x 14) | 28KB (16K x 14) | 7KB (4K x 14) | 28KB (16K x 14) |
| Package / Case | 28-SSOP (0.209', 5.30mm Width) | 44-TQFP | 8-VDFN Exposed Pad | 40-UQFN Exposed Pad |
| Base Product Number | PIC16F1518 | PIC16F1519 | PIC16F15214 | PIC16F1519 |
| RAM Size | 1K x 8 | 1K x 8 | 512 x 8 | 1K x 8 |
| Data Converters | A/D 17x10b | A/D 28x10b | A/D 5/2x10b | A/D 28x10b |
| Operating Temperature | -40°C ~ 85°C (TA) | -40°C ~ 125°C (TA) | -40°C ~ 85°C (TA) | -40°C ~ 125°C (TA) |
| Package | Tape & Reel (TR) | Tray | Tube | Tube |
| Voltage - Supply (Vcc/Vdd) | 2.3V ~ 5.5V | 2.3V ~ 5.5V | 1.8V ~ 5.5V | 2.3V ~ 5.5V |
| Connectivity | I²C, LINbus, SPI, UART/USART | I²C, LINbus, SPI, UART/USART | I²C, LINbus, SPI, UART/USART | I²C, LINbus, SPI, UART/USART |
| Supplier Device Package | 28-SSOP | 44-TQFP (10x10) | 8-DFN (3x3) | 40-UQFN (5x5) |
| Program Memory Type | FLASH | FLASH | FLASH | FLASH |
| Mounting Type | Surface Mount | Surface Mount | Surface Mount | Surface Mount |
| Series | PIC® XLP™ 16F | PIC® XLP™ 16F | PIC® 16F, Functional Safety (FuSa) | PIC® XLP™ 16F |
| Peripherals | Brown-out Detect/Reset, POR, PWM, WDT | Brown-out Detect/Reset, POR, PWM, WDT | Brown-out Detect/Reset, POR, PWM, WDT | Brown-out Detect/Reset, POR, PWM, WDT |
| Number of I/O | 25 | 36 | 5 | 36 |
| EEPROM Size | - | - | - | - |
| Oscillator Type | Internal | Internal | Internal | Internal |
| Core Processor | PIC | PIC | PIC | PIC |
| Speed | 20MHz | 20MHz | 32MHz | 20MHz |
| Core Size | 8-Bit | 8-Bit | 8-Bit | 8-Bit |

PIC16F1518T-I/SS Datasheet PDF

Download PIC16F1518T-I/SS pdf datasheets and Microchip Technology documentation for PIC16F1518T-I/SS - Microchip Technology.

Datasheets

[PIC16\(L\)F1516-19 Datasheet.pdf](#)

PCN Packaging


[Label and Packing Changes 23/Sep/2015.pdf](#)

[Reel Design Update 07/May/2015.pdf](#)

PCN Assembly/Origin


 2.73KHz.pdf

HTML Datasheet

 PIC16(L)F151x,152x Programming Spec.pdf








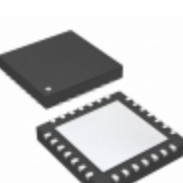


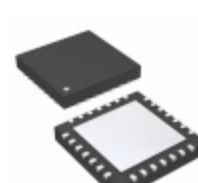

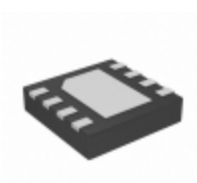



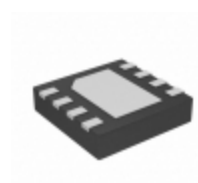

PCN Design/Specification

 Copper Bond Wire 17/Dec/2014.pdf

 PIC16(L)F1516/17/18/19 Datasheet Update 05/Aug/201.pdf

Customers Also Interested in

Recommended Products

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|---|---|---|--|---|---|
|  |  |  |  |  |  |
| PIC16F1519-E/PT Microchip Technology IC MCU 8BIT 28KB FLASH 44TQFP | PIC16F15214-I/MF Microchip Technology IC MCU 8BIT 7KB FLASH 8DFN | PIC16F1519-E/MV Microchip Technology IC MCU 8BIT 28KB FLASH 40UQFN | PIC16F1519-I/MV Microchip Technology IC MCU 8BIT 28KB FLASH 40UQFN | PIC16F1519-I/PT Microchip Technology IC MCU 8BIT 28KB FLASH 44TQFP | PIC16F15214-I/SN Microchip Technology IC MCU 8BIT 7KB FLASH 8SOIC |
|  |  |  |  |  |  |
| PIC16F1518-I/SS Microchip Technology IC MCU 8BIT 28KB FLASH 28SSOP | PIC16F1518-E/MV Microchip Technology IC MCU 8BIT 28KB FLASH 28UQFN | PIC16F1517-I/PT Microchip Technology IC MCU 8BIT 14KB FLASH 44TQFP | PIC16F1519-I/P Microchip Technology IC MCU 8BIT 28KB FLASH 40DIP | PIC16F1518-I/MV Microchip Technology IC MCU 8BIT 28KB FLASH 28UQFN | PIC16F1518-E/SS Microchip Technology IC MCU 8BIT 28KB FLASH 28SSOP |
|  |  |  |  |  |  |
| PIC16F15214-E/MF Microchip Technology IC MCU 8BIT 7KB FLASH 8DFN | PIC16F1516T-I/SS Microchip Technology IC MCU 8BIT 14KB FLASH 28SSOP | PIC16F1518-I/SO Microchip Technology IC MCU 8BIT 28KB FLASH 28SOIC | PIC16F1517-I/MV Microchip Technology IC MCU 8BIT 14KB FLASH 40UQFN | PIC16F15213-I/MF Microchip Technology IC MCU 8BIT 3.5KB FLASH 8DFN | PIC16F1517-I/P Microchip Technology IC MCU 8BIT 14KB FLASH 40DIP |

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 Alleco 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 |

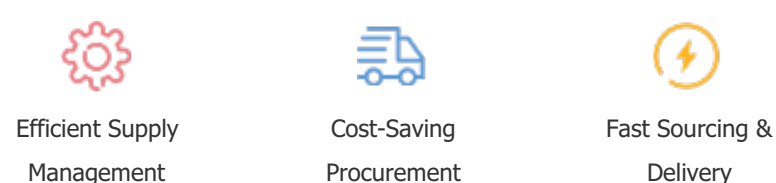
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.
Contact us if you have any questions.

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 -



Contact us if you have any questions.



Certifications & Memberships



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