

Image may be representation.  
See specifications for product details.



## PIC16LF1518-I/MV

Manufacturer Part Number	<b>PIC16LF1518-I/MV</b>
Manufacturer	<b>Microchip Technology</b>
Allelco Part Number	32D-PIC16LF1518-I/MV
ECAD Model	Request Free CAD Models
Parts Description	IC MCU 8BIT 28KB FLASH 28UQFN
Package	28-UQFN Exposed Pad
Data sheet	<b>PIC16(L)F1516-19 Datasheet.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

PIC16LF1518-I/MV - Microchip Technology.New Original in Stock. Download Linear Technology PIC16LF1518-I/MV datasheet/specifications on AllelcoElec.com.  
Request a quote for PIC16LF1518-I/MV, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

PIC16LF1518-I/MV Tech Specifications  
PIC16LF1518-I/MV - Microchip Technology technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Microchip Technology	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	1.8V ~ 3.6V	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package	28-UQFN (4x4)	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	I <sup>2</sup> C, LINbus, SPI, UART/USART
Package / Case	28-UQFN Exposed Pad	Base Product Number	PIC16LF1518
Package	Tube		

### Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology PIC16LF1518-I/MV

Product Attribute				
Part Number	PIC16LF1518-I/MV	<a href="#">PIC16LF1527-I/PT</a>	<a href="#">PIC16LF1508-I/SS</a>	<a href="#">PIC16LF1509-E/ML</a>
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Data Converters	A/D 17x10b	A/D 30x10b	A/D 12x10b; D/A 1x5b	A/D 12x10b; D/A 1x5b
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Oscillator Type	Internal	Internal	Internal	Internal
Series	PIC® XLP™ 16F	PIC® XLP™ 16F	PIC® XLP™ 16F	PIC® XLP™ 16F
Voltage - Supply (Vcc/Vdd)	1.8V ~ 3.6V	1.8V ~ 3.6V	1.8V ~ 3.6V	1.8V ~ 3.6V
Core Processor	PIC	PIC	PIC	PIC
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
Program Memory Size	28KB (16K x 14)	28KB (16K x 14)	7KB (4K x 14)	14KB (8K x 14)
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
Package / Case	28-UQFN Exposed Pad	64-TQFP	20-SSOP (0.209", 5.30mm Width)	20-VFQFN Exposed Pad
Package	Tube	Tray	Tube	Tube
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 125°C (TA)
Connectivity	I <sup>2</sup> C, LINbus, SPI, UART/USART	I <sup>2</sup> C, LINbus, SPI, UART/USART	I <sup>2</sup> C, LINbus, SPI, UART/USART	I <sup>2</sup> C, LINbus, SPI, UART/USART
Supplier Device Package	28-UQFN (4x4)	64-TQFP (10x10)	20-SSOP	20-QFN (4x4)
Number of I/O	25	54	17	17
Program Memory Type	FLASH	FLASH	FLASH	FLASH
RAM Size	1K x 8	1.5K x 8	256 x 8	512 x 8
Base Product Number	PIC16LF1518	PIC16LF1527	PIC16LF1508	PIC16LF1509
EEPROM Size	-	-	-	-
Speed	20MHz	20MHz	20MHz	20MHz

### PIC16LF1518-I/MV Datasheet PDF

Download PIC16LF1518-I/MV pdf datasheets and Microchip Technology documentation for PIC16LF1518-I/MV - Microchip Technology.

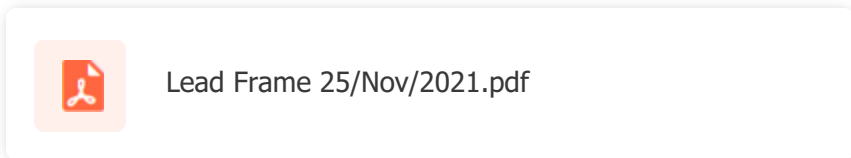
#### Datasheets

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

#### PCN Packaging

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

[MBB/Label Chgs 16/Nov/2018.pdf](#)



**Customers Also Interested in**

**Recommended Products**

<b>PIC16LF1527-I/PT</b> Microchip Technology IC MCU 8BIT 28KB FLASH 64TQFP	<b>PIC16LF1508-I/SS</b> Microchip Technology IC MCU 8BIT 7KB FLASH 20SSOP	<b>PIC16LF1509-E/ML</b> Microchip Technology IC MCU 8BIT 14KB FLASH 20QFN	<b>PIC16LF1519-E/MV</b> Microchip Technology IC MCU 8BIT 28KB FLASH 40UQFN	<b>PIC16LF1509-I/SS</b> Microchip Technology IC MCU 8BIT 14KB FLASH 20SSOP	<b>PIC16LF1509-E/SS</b> Microchip Technology IC MCU 8BIT 14KB FLASH 20SSOP
<b>PIC16LF15323-I/SL</b> Microchip Technology IC MCU 8BIT 3.5KB FLASH 14SOIC	<b>PIC16LF1516-I/SS</b> Microchip Technology IC MCU 8BIT 14KB FLASH 28SSOP	<b>PIC16LF15323-E/ST</b> Microchip Technology IC MCU 8BIT 3.5KB FLASH 14TSSOP	<b>PIC16LF1513-I/SS</b> Microchip Technology IC MCU 8BIT 7KB FLASH 28SSOP	<b>PIC16LF1516-I/SO</b> Microchip Technology IC MCU 8BIT 14KB FLASH 28SOIC	<b>PIC16LF1517-I/PT</b> Microchip Technology IC MCU 8BIT 14KB FLASH 44TQFP
<b>PIC16LF1512-I/SO</b> Microchip Technology IC MCU 8BIT 3.5KB FLASH 28SOIC	<b>PIC16LF1519-I/PT</b> Microchip Technology IC MCU 8BIT 28KB FLASH 44TQFP	<b>PIC16LF1509-I/ML</b> Microchip Technology IC MCU 8BIT 14KB FLASH 20QFN	<b>PIC16LF1518T-I/MV</b> Microchip Technology IC MCU 8BIT 28KB FLASH 28UQFN	<b>PIC16LF1526-I/PT</b> Microchip Technology IC MCU 8BIT 14KB FLASH 64TQFP	<b>PIC16LF15313-E/RF</b> Microchip Technology IC MCU 8BIT 3.5KB FLASH 8UDFN

**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
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**Contact us if you have any questions.**

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**Certifications & Memberships**



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