





PIC16F1516-I/SO

Manufacturer Part Number	PIC16F1516-I/SO
Manufacturer	Microchip Technology
Allelco Part Number	32D-PIC16F1516-I/SO
ECAD Model	 PCB Symbol, Footprint & 3D Model
Parts Description	IC MCU 8BIT 14KB FLASH 28SOIC
Package	28-SOIC (0.295", 7.50mm Width)
Data sheet	PIC16(L)F1516-19 Datasheet.pdf PIC16(L)F151x,152x Programming Spec.pdf
RoHS Status	 ROHS3 Compliant



Get a Quote

PIC16F1516-I/SO - Microchip Technology. New Original in Stock. Download Linear Technology PIC16F1516-I/SO datasheet/specifications on AllelcoElec.com.
Request a quote for PIC16F1516-I/SO, please send us email: info@allelco.com

Specifications





PIC16F1516-I/SO Tech Specifications

PIC16F1516-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)	2.3V ~ 5.5V	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package	28-SOIC	Number of I/O	25
Speed	20MHz	Mounting Type	Surface Mount
Series	PIC® XLP™ 16F	EEPROM Size	-
RAM Size	512 x 8	Data Converters	A/D 17x10b
Program Memory Type	FLASH	Core Size	8-Bit
Program Memory Size	14KB (8K x 14)	Core Processor	PIC
Peripherals	Brown-out Detect/Reset, POR, PWM, WDT	Connectivity	I²C, LINbus, SPI, UART/USART
Package / Case	28-SOIC (0.295", 7.50mm Width)	Base Product Number	PIC16F1516
Package	Tube		

Parts with Similar Specifications


The three parts on the right have similar specifications to Microchip Technology PIC16F1516-I/SO

Product Attribute				
Part Number	PIC16F1516-I/SO	PIC16F1512-I/SS	PIC16F1517-I/PT	PIC16F1516T-I/SS
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Package	Tube	Tube	Tray	Tape & Reel (TR)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Core Processor	PIC	PIC	PIC	PIC
Supplier Device Package	28-SOIC	28-SSOP	44-TQFP (10x10)	28-SSOP
Base Product Number	PIC16F1516	PIC16F1512	PIC16F1517	PIC16F1516
Speed	20MHz	20MHz	20MHz	20MHz
Oscillator Type	Internal	Internal	Internal	Internal
Number of I/O	25	25	36	25
RAM Size	512 x 8	128 x 8	512 x 8	512 x 8
Connectivity	I²C, LINbus, SPI, UART/USART	I²C, LINbus, SPI, UART/USART	I²C, LINbus, SPI, UART/USART	I²C, LINbus, SPI, UART/USART
Series	PIC® XLP™ 16F	PIC® XLP™ 16F	PIC® XLP™ 16F	PIC® XLP™ 16F
Package / Case	28-SOIC (0.295", 7.50mm Width)	28-SSOP (0.209", 5.30mm Width)	44-TQFP	28-SSOP (0.209", 5.30mm Width)
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
EEPROM Size	-	-	-	-
Data Converters	A/D 17x10b	A/D 17x10b	A/D 28x10b	A/D 17x10b
Voltage - Supply (Vcc/Vdd)	2.3V ~ 5.5V	2.3V ~ 5.5V	2.3V ~ 5.5V	2.3V ~ 5.5V
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Program Memory Size	14KB (8K x 14)	3.5KB (2K x 14)	14KB (8K x 14)	14KB (8K x 14)
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)


PIC16F1516-I/SO Datasheet PDF


Download PIC16F1516-I/SO pdf datasheets and Microchip Technology documentation for PIC16F1516-I/SO - Microchip Technology.

Datasheets


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

PCN Packaging

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

 [Packing Changes 10/Oct/2016.pdf](#)

HTML Datasheet








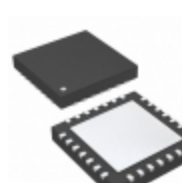
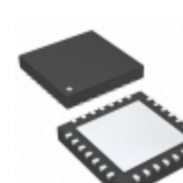

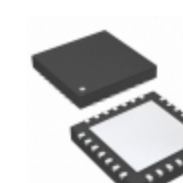




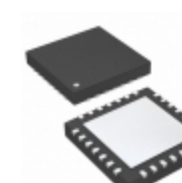
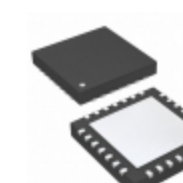

 PIC16(L)F151x,152x Programming Spec.pdf

PCN Design/Specification

 PIC16yyy DataSheet Update 09/Jun/2016.pdf

Customers Also Interested in

Recommended Products

					
PIC16F1512-I/SS Microchip Technology IC MCU 8BIT 3.5KB FLASH 28SSOP	PIC16F1517-I/PT Microchip Technology IC MCU 8BIT 14KB FLASH 44TQFP	PIC16F1516T-I/SS Microchip Technology IC MCU 8BIT 14KB FLASH 28SSOP	PIC16F1512-I/SP Microchip Technology IC MCU 8BIT 3.5KB FLASH 28SPDIP	PIC16F1513-E/SP Microchip Technology IC MCU 8BIT 7KB FLASH 28SPDIP	PIC16F1513T-I/SS Microchip Technology IC MCU 8BIT 7KB FLASH 28SSOP
					
PIC16F1517-I/MV Microchip Technology IC MCU 8BIT 14KB FLASH 40UQFN	PIC16F1516-E/MV Microchip Technology IC MCU 8BIT 14KB FLASH 28UQFN	PIC16F1513-I/MV Microchip Technology IC MCU 8BIT 7KB FLASH 28UQFN	PIC16F1513-I/SP Microchip Technology IC MCU 8BIT 7KB FLASH 28SPDIP	PIC16F1516-I/MV Microchip Technology IC MCU 8BIT 14KB FLASH 28UQFN	PIC16F1516-I/SS Microchip Technology IC MCU 8BIT 14KB FLASH 28SSOP
					
PIC16F1517-I/P Microchip Technology IC MCU 8BIT 14KB FLASH 40DIP	PIC16F1513-I/SS Microchip Technology IC MCU 8BIT 7KB FLASH 28SSOP	PIC16F1518-E/SS Microchip Technology IC MCU 8BIT 28KB FLASH 28SSOP	PIC16F1518-E/MV Microchip Technology IC MCU 8BIT 28KB FLASH 28UQFN	PIC16F1518-I/MV Microchip Technology IC MCU 8BIT 28KB FLASH 28UQFN	PIC16F1513-I/SO Microchip Technology IC MCU 8BIT 7KB 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

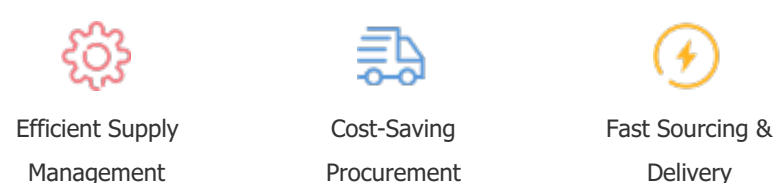
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.
Contact us if you have any questions.

Payment Support

The payment method can be chosen from the methods shown below:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



Your Faithful Supply Chain Partner -



Contact us if you have any questions.



Certifications & Memberships



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