



## PIC16F1788-I/SO

Manufacturer Part Number	<b>PIC16F1788-I/SO</b>
Manufacturer	<b>Microchip Technology</b>
Allelco Part Number	32D-PIC16F1788-I/SO
ECAD Model	 PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 8BIT 28KB FLASH 28SOIC
Package	28-SOIC (0.295", 7.50mm Width)
Data sheet	<b>PIC16(L)F1788/9 Datasheet.pdf</b>
RoHs Status	 ROHS3 Compliant


[Get a Quote](#)

PIC16F1788-I/SO - Microchip Technology. New Original in Stock. Download Linear Technology PIC16F1788-I/SO datasheet/specifications on AllelcoElec.com.

Request a quote for PIC16F1788-I/SO, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications




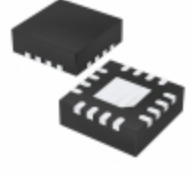
PIC16F1788-I/SO Tech Specifications

PIC16F1788-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	24
Speed	32MHz	Mounting Type	Surface Mount
Series	PIC® XLP™ 16F	EEPROM Size	256 x 8
RAM Size	2K x 8	Data Converters	A/D 11x12b; D/A 1x8b, 3x5b
Program Memory Type	FLASH	Core Size	8-Bit
Program Memory Size	28KB (16K x 14)	Core Processor	PIC
Peripherals	Brown-out Detect/Reset, POR, PSMC, PWM, WDT	Connectivity	I²C, LINbus, SPI, UART/USART
Package / Case	28-SOIC (0.295", 7.50mm Width)	Base Product Number	PIC16F1788
Package	Tube		

### Parts with Similar Specifications


The three parts on the right have similar specifications to Microchip Technology PIC16F1788-I/SO

Product Attribute	 NO PICTURE			
Part Number	PIC16F1788-I/SO	<a href="#">PIC16F1786-I/SS</a>	<a href="#">PIC16F1823-I/P</a>	<a href="#">PIC16F1823-I/ML</a>
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Peripherals	Brown-out Detect/Reset, POR, PSMC, PWM, WDT	Brown-out Detect/Reset, POR, PSMC, PWM, WDT	Brown-out Detect/Reset, POR, PWM, WDT	Brown-out Detect/Reset, POR, PWM, WDT
Package	Tube	Tube	Tube	Tube
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
RAM Size	2K x 8	1K x 8	128 x 8	128 x 8
Program Memory Size	28KB (16K x 14)	14KB (8K x 14)	3.5KB (2K x 14)	3.5KB (2K x 14)
Package / Case	28-SOIC (0.295", 7.50mm Width)	28-SSOP (0.209", 5.30mm Width)	14-DIP (0.300", 7.62mm)	16-VQFN Exposed Pad
EEPROM Size	256 x 8	256 x 8	256 x 8	256 x 8
Base Product Number	PIC16F1788	PIC16F1786	PIC16F1823	PIC16F1823
Series	PIC® XLP™ 16F	PIC® XLP™ 16F	PIC® XLP™ 16F	PIC® XLP™ 16F
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Supplier Device Package	28-SOIC	28-SSOP	14-PDIP	16-QFN (4x4)
Number of I/O	24	24	12	12
Data Converters	A/D 11x12b; D/A 1x8b, 3x5b	A/D 11x12b; D/A 1x8b	A/D 8x10b	A/D 8x10b
Mounting Type	Surface Mount	Surface Mount	Through Hole	Surface Mount
Voltage - Supply (Vcc/Vdd)	2.3V ~ 5.5V	2.3V ~ 5.5V	1.8V ~ 5.5V	1.8V ~ 5.5V
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Oscillator Type	Internal	Internal	Internal	Internal
Speed	32MHz	32MHz	32MHz	32MHz
Core Processor	PIC	PIC	PIC	PIC
Connectivity	I²C, LINbus, SPI, UART/USART	I²C, LINbus, SPI, UART/USART	I²C, LINbus, SPI, UART/USART	I²C, LINbus, SPI, UART/USART


### PIC16F1788-I/SO Datasheet PDF


Download PIC16F1788-I/SO pdf datasheets and Microchip Technology documentation for PIC16F1788-I/SO - Microchip Technology.

#### Datasheets


[PIC16\(L\)F1788/9 Datasheet.pdf](#)



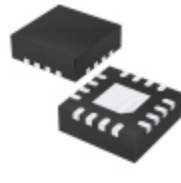



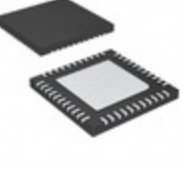




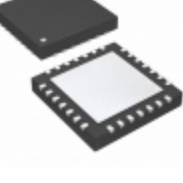
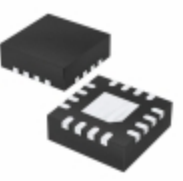





#### PCN Packaging


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


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

## Customers Also Interested in

### Recommended Products

 <b>PIC16F1786-I/SS</b> Microchip Technology IC MCU 8BIT 14KB FLASH 28SSOP	 <b>PIC16F1823-I/P</b> Microchip Technology IC MCU 8BIT 3.5KB FLASH 14DIP	 <b>PIC16F1823-I/ML</b> Microchip Technology IC MCU 8BIT 3.5KB FLASH 16QFN	 <b>PIC16F1788-E/SS</b> Microchip Technology IC MCU 8BIT 28KB FLASH 28SSOP	 <b>PIC16F1788-E/SO</b> Microchip Technology IC MCU 8BIT 28KB FLASH 28SOIC	 <b>PIC16F1788-I/SS</b> Microchip Technology IC MCU 8BIT 28KB FLASH 28SSOP
 <b>PIC16F1787-I/ML</b> Microchip Technology IC MCU 8BIT 14KB FLASH 44QFN	 <b>PIC16F1823-E/SL</b> Microchip Technology IC MCU 8BIT 3.5KB FLASH 14SOIC	 <b>PIC16F1784T-I/MV</b> Microchip Technology IC MCU 8BIT 7KB FLASH 40UQFN	 <b>PIC16F1823-E/ST</b> Microchip Technology IC MCU 8BIT 3.5KB FLASH 14TSSOP	 <b>PIC16F1789-I/MV</b> Microchip Technology IC MCU 8BIT 28KB FLASH 40UQFN	 <b>PIC16F1788T-I/ML</b> Microchip Technology IC MCU 8BIT 28KB FLASH 28QFN
 <b>PIC16F1823-E/ML</b> Microchip Technology IC MCU 8BIT 3.5KB FLASH 16QFN	 <b>PIC16F1787-I/MV</b> Microchip Technology IC MCU 8BIT 14KB FLASH 40UQFN	 <b>PIC16F1786T-I/SS</b> Microchip Technology IC MCU 8BIT 14KB FLASH 28SSOP	 <b>PIC16F1789T-I/MV</b> Microchip Technology IC MCU 8BIT 28KB FLASH 40UQFN	 <b>PIC16F1784-I/MV</b> Microchip Technology IC MCU 8BIT 7KB FLASH 40UQFN	 <b>PIC16F1789-I/PT</b> Microchip Technology IC MCU 8BIT 28KB 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 -

 Efficient Supply Management  
 Cost-Saving Procurement  
 Fast Sourcing & Delivery

Contact us if you have any questions.

 Phone  
+00852 9146 4856  
 Email  
info@allelco.com

### Certifications & Memberships



View More