



# PIC16F1783T-I/SO

Manufacturer Part Number	<b>PIC16F1783T-I/SO</b>
Manufacturer	<b>Microchip Technology</b>
Allelco Part Number	32D-PIC16F1783T-I/SO
ECAD Model	Request Free CAD Models
Parts Description	IC MCU 8BIT 7KB FLASH 28SOIC
Package	28-SOIC (0.295", 7.50mm Width)
Data sheet	<a href="#">PIC16F178(2,3) Brief.pdf</a> <a href="#">PIC16(L)F178x Programming Specification.pdf</a>
RoHS Status	ROHS3 Compliant

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PIC16F1783T-I/SO - Microchip Technology. New Original in Stock. Download Linear Technology PIC16F1783T-I/SO datasheet/specifications on AllelcoElec.com.  
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## Specifications

PIC16F1783T-I/SO Tech Specifications  
PIC16F1783T-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	512 x 8	Data Converters	A/D 11x12b; D/A 1x8b
Program Memory Type	FLASH	Core Size	8-Bit
Program Memory Size	7KB (4K 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	PIC16F1783
Package	Tape & Reel (TR)		

## Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology PIC16F1783T-I/SO

Product Attribute				
Part Number	PIC16F1783T-I/SO	<a href="#">PIC16F1782-I/ML</a>	<a href="#">PIC16F1782-I/SS</a>	<a href="#">PIC16F1779-I/PT</a>
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Series	PIC® XLP™ 16F	PIC® XLP™ 16F	PIC® XLP™ 16F	PIC® XLP™ 16F
Program Memory Size	7KB (4K x 14)	3.5KB (2K x 14)	3.5KB (2K x 14)	28KB (16K x 14)
Connectivity	I²C, LINbus, SPI, UART/USART	I²C, LINbus, SPI, UART/USART	I²C, LINbus, SPI, UART/USART	I²C, LINbus, SPI, UART/USART
Core Processor	PIC	PIC	PIC	PIC
RAM Size	512 x 8	256 x 8	256 x 8	2K x 8
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
Oscillator Type	Internal	Internal	Internal	Internal
EEPROM Size	256 x 8	256 x 8	256 x 8	128 x 8
Package / Case	28-SOIC (0.295", 7.50mm Width)	28-QFN Exposed Pad	28-SSOP (0.209", 5.30mm Width)	44-TQFP
Data Converters	A/D 11x12b; D/A 1x8b	A/D 11x12b; D/A 1x8b	A/D 11x12b; D/A 1x8b	A/D 28x10b; D/A 4x5b, 4x10b
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Peripherals	Brown-out Detect/Reset, POR, PSMC, PWM, WDT	Brown-out Detect/Reset, POR, PSMC, PWM, WDT	Brown-out Detect/Reset, POR, PSMC, PWM, WDT	Brown-out Detect/Reset, 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	24	24	24	36
Package	Tape & Reel (TR)	Tube	Tube	Tray
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Base Product Number	PIC16F1783	PIC16F1782	PIC16F1782	PIC16F1779
Supplier Device Package	28-SOIC	28-QFN (6x6)	28-SSOP	44-TQFP (10x10)
Voltage - Supply (Vcc/Vdd)	2.3V ~ 5.5V	2.3V ~ 5.5V	2.3V ~ 5.5V	2.3V ~ 5.5V
Speed	32MHz	32MHz	32MHz	32MHz

## PIC16F1783T-I/SO Datasheet PDF

Download PIC16F1783T-I/SO pdf datasheets and Microchip Technology documentation for PIC16F1783T-I/SO - Microchip Technology.

### Datasheets


[PIC16F178\(2,3\) Brief.pdf](#)

[PIC16\(L\)F178x Programming Specification.pdf](#)

### PCN Packaging

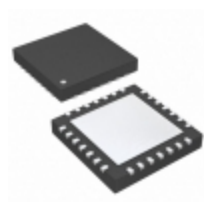



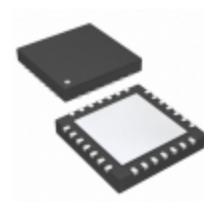

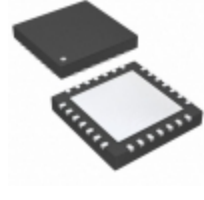
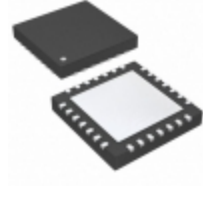






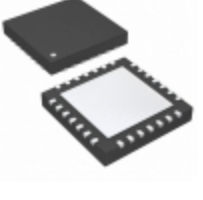

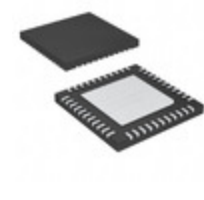
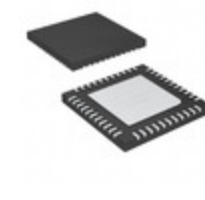
[Label and Packing Changes 23/Sep/2015.pdf](#)

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

 Mult Devices Bond Wire 09/Mar/2018.pdf

## Customers Also Interested in

### Recommended Products

					
<b>PIC16F1782-I/ML</b> Microchip Technology IC MCU 8BIT 3.5KB FLASH 28QFN	<b>PIC16F1782-I/SS</b> Microchip Technology IC MCU 8BIT 3.5KB FLASH 28SSOP	<b>PIC16F1779-I/PT</b> Microchip Technology IC MCU 8BIT 28KB FLASH 44TQFP	<b>PIC16F1782T-I/SO</b> Microchip Technology IC MCU 8BIT 3.5KB FLASH 28SOIC	<b>PIC16F1783T-I/ML</b> Microchip Technology IC MCU 8BIT 7KB FLASH 28QFN	<b>PIC16F1784-E/MV</b> Microchip Technology IC MCU 8BIT 7KB FLASH 40UQFN
					
<b>PIC16F1782T-I/MV</b> Microchip Technology IC MCU 8BIT 3.5KB FLASH 28UQFN	<b>PIC16F1783-I/MV</b> Microchip Technology IC MCU 8BIT 7KB FLASH 28UQFN	<b>PIC16F1786-I/SS</b> Microchip Technology IC MCU 8BIT 14KB FLASH 28SSOP	<b>PIC16F1784-E/PT</b> Microchip Technology IC MCU 8BIT 7KB FLASH 44TQFP	<b>PIC16F1786T-I/SS</b> Microchip Technology IC MCU 8BIT 14KB FLASH 28SSOP	<b>PIC16F1783-I/SS</b> Microchip Technology IC MCU 8BIT 7KB FLASH 28SSOP
					
<b>PIC16F1784-I/MV</b> Microchip Technology IC MCU 8BIT 7KB FLASH 40UQFN	<b>PIC16F1783T-I/SS</b> Microchip Technology IC MCU 8BIT 7KB FLASH 28SSOP	<b>PIC16F1783T-I/MV</b> Microchip Technology IC MCU 8BIT 7KB FLASH 28UQFN	<b>PIC16F1784T-I/MV</b> Microchip Technology IC MCU 8BIT 7KB FLASH 40UQFN	<b>PIC16F1787-I/ML</b> Microchip Technology IC MCU 8BIT 14KB FLASH 44QFN	<b>PIC16F1779T-I/ML</b> Microchip Technology IC MCU 8BIT 28KB FLASH 44QFN

## 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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### Contact us

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