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See specifications for product details.



PIC16F1823T-I/SL

Manufacturer Part Number **PIC16F1823T-I/SL**

Manufacturer **Microchip Technology**

Allelco Part Number **32D-PIC16F1823T-I/SL**

ECAD Model PCB Symbol, Footprint & 3D Mode

Parts Description **IC MCU 8BIT 3.5KB FLASH 14SOIC**

Package **14-SOIC (0.154", 3.90mm Width)**

Data sheet **[PIC12\(L\)F1822, PIC16\(L\)F1823.pdf](#)**

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[PIC12F1822, PIC16F182x Brief.pdf](#)

RoHs Status **ROHS3 Compliant**

Get a Quote

PIC16F1823T-I/SL - Microchip Technology. New Original in Stock. Download Linear Technology PIC16F1823T-I/SL datasheet/specifications on AllelcoElec.com.
Request a quote for PIC16F1823T-I/SL, please send us email: info@allelco.com

Specifications

PIC16F1823T-I/SL Tech Specifications

PIC16F1823T-I/SL - 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 ~ 5.5V	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package	14-SOIC	Number of I/O	12
Speed	32MHz	Mounting Type	Surface Mount
Series	PIC® XLP™ 16F	EEPROM Size	256 x 8
RAM Size	128 x 8	Data Converters	A/D 8x10b
Program Memory Type	FLASH	Core Size	8-Bit
Program Memory Size	3.5KB (2K x 14)	Core Processor	PIC
Peripherals	Brown-out Detect/Reset, POR, PWM, WDT	Connectivity	I²C, LINbus, SPI, UART/USART
Package / Case	14-SOIC (0.154", 3.90mm Width)	Base Product Number	PIC16F1823
Package	Tape & Reel (TR)		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology PIC16F1823T-I/SL

Product Attribute					
Part Number	PIC16F1823T-I/SL	PIC16F1789T-I/MV	PIC16F1823T-I/ST	PIC16F1824-E/ST	
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology	
Package / Case	14-SOIC (0.154", 3.90mm Width)	40-UQFN Exposed Pad	14-TSSOP (0.173", 4.40mm Width)	14-TSSOP (0.173", 4.40mm Width)	
Base Product Number	PIC16F1823	PIC16F1789	PIC16F1823	PIC16F1824	
Series	PIC® XLP™ 16F	PIC® XLP™ 16F	PIC® XLP™ 16F	PIC® XLP™ mTouch™ 16F	
Oscillator Type	Internal	Internal	Internal	Internal	
Connectivity	I²C, LINbus, SPI, UART/USART	I²C, LINbus, SPI, UART/USART	I²C, LINbus, SPI, UART/USART	I²C, SPI, UART/USART	
Data Converters	A/D 8x10b	A/D 14x12b; D/A 1x8b, 3x5b	A/D 8x10b	A/D 8x10b	
Supplier Device Package	14-SOIC	40-UQFN (5x5)	14-TSSOP	14-TSSOP	
RAM Size	128 x 8	2K x 8	128 x 8	256 x 8	
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount	
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tube	
Voltage - Supply (Vcc/Vdd)	1.8V ~ 5.5V	2.3V ~ 5.5V	1.8V ~ 5.5V	1.8V ~ 5.5V	
Core Processor	PIC	PIC	PIC	PIC	
Peripherals	Brown-out Detect/Reset, POR, PWM, WDT	Brown-out Detect/Reset, POR, PSMC, PWM, WDT	Brown-out Detect/Reset, POR, PWM, WDT	Brown-out Detect/Reset, POR, PWM, WDT	
Program Memory Size	3.5KB (2K x 14)	28KB (16K x 14)	3.5KB (2K x 14)	7KB (4K x 14)	
EEPROM Size	256 x 8	256 x 8	256 x 8	256 x 8	
Program Memory Type	FLASH	FLASH	FLASH	FLASH	
Number of I/O	12	35	12	11	
Core Size	8-Bit	8-Bit	8-Bit	8-Bit	
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 125°C (TA)	
Speed	32MHz	32MHz	32MHz	32MHz	

PIC16F1823T-I/SL Datasheet PDF

Download PIC16F1823T-I/SL pdf datasheets and Microchip Technology documentation for PIC16F1823T-I/SL - Microchip Technology.

Datasheets

[PIC12\(L\)F1822, PIC16\(L\)F1823.pdf](#)

PCN Packaging

PCN Design/Specification

PIC12(L)F1822/PIC16(L)F1823 01/Jul/2020.pdf

PCN Assembly/Origin

Qualification Copper Bond Wire 31/Oct/2014.pdf








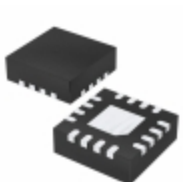

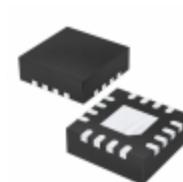

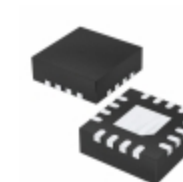






HTML Datasheet

Next Generation Peripherals Brochure.pdf

PIC12F1822, PIC16F182x Brief.pdf

Customers Also Interested in

Recommended Products

					
PIC16F1789T-I/MV	PIC16F1823T-I/ST	PIC16F1824-E/ST	PIC16F1823-E/SL	PIC16F1824-I/SL	PIC16F1823-I/ST
Microchip Technology IC MCU 8BIT 28KB FLASH 40UFN	Microchip Technology IC MCU 8BIT 3.5KB FLASH 14TSSOP	Microchip Technology IC MCU 8BIT 7KB FLASH 14TSSOP	Microchip Technology IC MCU 8BIT 3.5KB FLASH 14SOIC	Microchip Technology IC MCU 8BIT 7KB FLASH 14SOIC	Microchip Technology IC MCU 8BIT 3.5KB FLASH 14TSSOP
					
PIC16F1823-E/ST	PIC16F1823-I/ML	PIC16F1824-I/ST	PIC16F1824-E/ML	PIC16F1823-I/SL	PIC16F1823-E/ML
Microchip Technology IC MCU 8BIT 3.5KB FLASH 14TSSOP	Microchip Technology IC MCU 8BIT 3.5KB FLASH 16QFN	Microchip Technology IC MCU 8BIT 7KB FLASH 14TSSOP	Microchip Technology IC MCU 8BIT 7KB FLASH 16QFN	Microchip Technology IC MCU 8BIT 3.5KB FLASH 14SOIC	Microchip Technology IC MCU 8BIT 3.5KB FLASH 16QFN
					
PIC16F1824-E/SL	PIC16F1824-I/ML	PIC16F1823-I/P	PIC16F1824-E/STVAO	PIC16F1824-I/P	PIC16F1823T-E/SL
Microchip Technology IC MCU 8BIT 7KB FLASH 14SOIC	Microchip Technology IC MCU 8BIT 7KB FLASH 16QFN	Microchip Technology IC MCU 8BIT 3.5KB FLASH 14DIP	Micrel / Microchip Technology	Microchip Technology IC MCU 8BIT 7KB FLASH 14DIP	Micrel / Microchip Technology

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.



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