

Image may be representation.  
See specifications for product details.



## PIC16F1825T-I/ML

Manufacturer Part Number **PIC16F1825T-I/ML**

Manufacturer **Microchip Technology**

Allelco Part Number **32D-PIC16F1825T-I/ML**

ECAD Model  PCB Symbol, Footprint & 3D Mode

Parts Description **IC MCU 8BIT 14KB FLASH 16QFN**

Package **16-VQFN Exposed Pad**

Data sheet **[PIC112F,PIC16F182X Overview.pdf](#)**

**[Next Generation Peripherals Brochure.pdf](#)**

**[PIC16\(L\)F1825,29 Datasheet.pdf](#)**

RoHs Status  **ROHS3 Compliant**

**Get a Quote**

PIC16F1825T-I/ML - Microchip Technology.New Original in Stock. Download Linear Technology PIC16F1825T-I/ML datasheet/specifications on AllelcoElec.com.  
Request a quote for PIC16F1825T-I/ML, please send us email: [info@allelco.com](mailto:info@allelco.com)

## Specifications

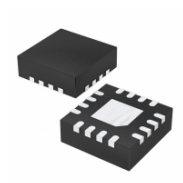

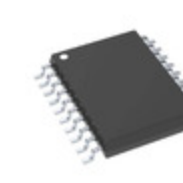
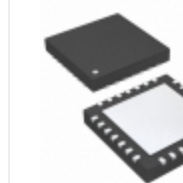
PIC16F1825T-I/ML Tech Specifications

PIC16F1825T-I/ML - 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	16-QFN (4x4)	Number of I/O	11
Speed	32MHz	Mounting Type	Surface Mount
Series	PIC® XLP™ mTouch™ 16F	EEPROM Size	256 x 8
RAM Size	1K x 8	Data Converters	A/D 8x10b
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	16-VQFN Exposed Pad	Base Product Number	PIC16F1825
Package	Tape & Reel (TR)		

## Parts with Similar Specifications


The three parts on the right have similar specifications to Microchip Technology PIC16F1825T-I/ML

Product Attribute				
Part Number	PIC16F1825T-I/ML	<a href="#">PIC16F1826-I/P</a>	<a href="#">PIC16F1826-I/SS</a>	<a href="#">PIC16F1826-I/MV</a>
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Base Product Number	PIC16F1825	PIC16F1826	PIC16F1826	PIC16F1826
Program Memory Size	14KB (8K x 14)	3.5KB (2K x 14)	3.5KB (2K x 14)	3.5KB (2K x 14)
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
RAM Size	1K x 8	256 x 8	256 x 8	256 x 8
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
Speed	32MHz	32MHz	32MHz	32MHz
EEPROM Size	256 x 8	256 x 8	256 x 8	256 x 8
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Package / Case	16-VQFN Exposed Pad	18-DIP (0.300', 7.62mm)	20-SSOP (0.209', 5.30mm Width)	28-UQFN Exposed Pad
Oscillator Type	Internal	Internal	Internal	Internal
Voltage - Supply (Vcc/Vdd)	1.8V ~ 5.5V	1.8V ~ 5.5V	1.8V ~ 5.5V	1.8V ~ 5.5V
Core Processor	PIC	PIC	PIC	PIC
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Data Converters	A/D 8x10b	A/D 12x10b	A/D 12x10b	A/D 12x10b
Package	Tape & Reel (TR)	Tube	Tube	Tube
Series	PIC® XLP™ mTouch™ 16F	PIC® XLP™ mTouch™ 16F	PIC® XLP™ mTouch™ 16F	PIC® XLP™ mTouch™ 16F
Connectivity	I²C, LINbus, SPI, UART/USART	I²C, SPI, UART/USART	I²C, SPI, UART/USART	I²C, SPI, UART/USART
Mounting Type	Surface Mount	Through Hole	Surface Mount	Surface Mount
Number of I/O	11	16	16	16
Supplier Device Package	16-QFN (4x4)	18-PDIP	20-SSOP	28-UQFN (4x4)


## PIC16F1825T-I/ML Datasheet PDF

Download PIC16F1825T-I/ML pdf datasheets and Microchip Technology documentation for PIC16F1825T-I/ML - Microchip Technology.

### Datasheets

 [PIC112F,PIC16F182X Overview.pdf](#)

 [Next Generation Peripherals Brochure.pdf](#)

 [PIC16\(L\)F1825,29 Datasheet.pdf](#)



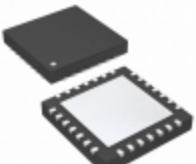







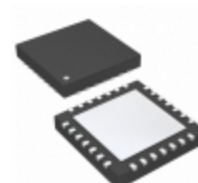




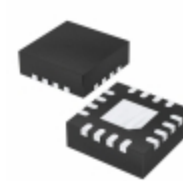


### PCN Packaging

PCN Design/Specification

PIC16(L)F1825/1829 Errata/Datasheet Update 22/Jan/.pdf

Customers Also Interested in

Recommended Products

					
<b>PIC16F1826-I/P</b> Microchip Technology IC MCU 8BIT 3.5KB FLASH 18DIP	<b>PIC16F1826-I/SS</b> Microchip Technology IC MCU 8BIT 3.5KB FLASH 20SSOP	<b>PIC16F1826-I/MV</b> Microchip Technology IC MCU 8BIT 3.5KB FLASH 28UQFN	<b>PIC16F1825-E/ST</b> Microchip Technology IC MCU 8BIT 14KB FLASH 14TSSOP	<b>PIC16F1825T-I/ST</b> Microchip Technology IC MCU 8BIT 14KB FLASH 14TSSOP	<b>PIC16F1825T-E/SL</b> Micrel / Microchip Technology
					
<b>PIC16F1825T-I/SL</b> Microchip Technology IC MCU 8BIT 14KB FLASH 14SOIC	<b>PIC16F1825-H/STVAO</b> Micrel / Microchip Technology	<b>PIC16F1825T-E/ST</b> Micrel / Microchip Technology	<b>PIC16F1826-E/SS</b> Microchip Technology IC MCU 8BIT 3.5KB FLASH 20SSOP	<b>PIC16F1826-I/ML</b> Microchip Technology IC MCU 8BIT 3.5KB FLASH 28QFN	<b>PIC16F1825-I/SL</b> Microchip Technology IC MCU 8BIT 14KB FLASH 14SOIC
					
<b>PIC16F1825T-I/MLVAO</b> Micrel / Microchip Technology	<b>PIC16F1826-I/SO</b> Microchip Technology IC MCU 8BIT 3.5KB FLASH 18SOIC	<b>PIC16F1825-I/ST</b> Microchip Technology IC MCU 8BIT 14KB FLASH 14TSSOP	<b>PIC16F1825-I/ML</b> Microchip Technology IC MCU 8BIT 14KB FLASH 16QFN	<b>PIC16F1826T-E/SS</b> Micrel / Microchip Technology	<b>PIC16F1825-I/MLVAO</b> 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.



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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Address: Flat/Rm C 13/F Harvard Commercial Building 105-111 Thomson Road, Wan Chai, Hong Kong  
Phone: +00852 9146 4856  
Fax: +00852 3010 8510  
Email: info@Allelco.com