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See specifications for product details.



PIC16F1825-E/ML

Manufacturer Part Number **PIC16F1825-E/ML**

Manufacturer **Microchip Technology**

Allelco Part Number **32D-PIC16F1825-E/ML**

ECAD Model PCB Symbol, Footprint & 3D Model

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

PIC16F1825-E/ML - Microchip Technology. New Original in Stock. Download Linear Technology PIC16F1825-E/ML datasheet/specifications on AllelcoElec.com.
Request a quote for PIC16F1825-E/ML, please send us email: info@allelco.com

Specifications

PIC16F1825-E/ML Tech Specifications

PIC16F1825-E/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 ~ 125°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	Tube		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology PIC16F1825-E/ML

Product Attribute				
Part Number	PIC16F1825-E/ML	PIC16F1825-I/ML	PIC16F1825-E/SL	PIC16F1825-I/ST
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Program Memory Size	14KB (8K x 14)	14KB (8K x 14)	14KB (8K x 14)	14KB (8K x 14)
Voltage - Supply (Vcc/Vdd)	1.8V ~ 5.5V	1.8V ~ 5.5V	1.8V ~ 5.5V	1.8V ~ 5.5V
Oscillator Type	Internal	Internal	Internal	Internal
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Speed	32MHz	32MHz	32MHz	32MHz
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
Number of I/O	11	11	11	11
Connectivity	I²C, LINbus, SPI, UART/USART	I²C, LINbus, SPI, UART/USART	I²C, LINbus, SPI, UART/USART	I²C, LINbus, SPI, UART/USART
RAM Size	1K x 8	1K x 8	1K x 8	1K x 8
Base Product Number	PIC16F1825	PIC16F1825	PIC16F1825	PIC16F1825
Operating Temperature	-40°C ~ 125°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 85°C (TA)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Data Converters	A/D 8x10b	A/D 8x10b	A/D 8x10b	A/D 8x10b
Core Processor	PIC	PIC	PIC	PIC
Package	Tube	Tube	Tube	Tube
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
Series	PIC® XLP™ mTouch™ 16F	PIC® XLP™ mTouch™ 16F	PIC® XLP™ mTouch™ 16F	PIC® XLP™ mTouch™ 16F
Package / Case	16-VQFN Exposed Pad	16-VQFN Exposed Pad	14-SOIC (0.154", 3.90mm Width)	14-TSSOP (0.173", 4.40mm Width)
Supplier Device Package	16-QFN (4x4)	16-QFN (4x4)	14-SOIC	14-TSSOP
EEPROM Size	256 x 8	256 x 8	256 x 8	256 x 8

PIC16F1825-E/ML Datasheet PDF

Download PIC16F1825-E/ML pdf datasheets and Microchip Technology documentation for PIC16F1825-E/ML - Microchip Technology.

Datasheets



[PIC112F,PIC16F182X Overview.pdf](#)



[Next Generation Peripherals Brochure.pdf](#)



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








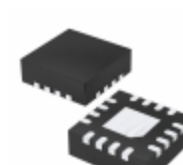
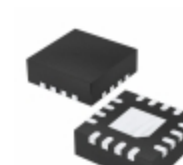









PCN Packaging

PCN Assembly/Origin

Mult Devices Site 02/Mar/2018.pdf

Customers Also Interested in

Recommended Products

 PIC16F1825-I/ML Microchip Technology IC MCU 8BIT 14KB FLASH 16QFN	 PIC16F1825-E/SL Microchip Technology IC MCU 8BIT 14KB FLASH 14SOIC	 PIC16F1825-I/ST Microchip Technology IC MCU 8BIT 14KB FLASH 14TSSOP	 PIC16F1825-H/STVAO Micrel / Microchip Technology	 PIC16F1825-I/SL Microchip Technology IC MCU 8BIT 14KB FLASH 14SOIC	 PIC16F1824T-E/SL Micrel / Microchip Technology
 PIC16F1824T-E/STVAO Micrel / Microchip Technology	 PIC16F1824T-I/ML Microchip Technology IC MCU 8BIT 7KB FLASH 14QFN	 PIC16F1824-I/ML Microchip Technology IC MCU 8BIT 7KB FLASH 16QFN	 PIC16F1824T-E/ML Micrel / Microchip Technology	 PIC16F1825T-E/SL Micrel / Microchip Technology	 PIC16F1824-I/P Microchip Technology IC MCU 8BIT 7KB FLASH 14DIP
 PIC16F1825-E/ST Microchip Technology IC MCU 8BIT 14KB FLASH 14TSSOP	 PIC16F1824T-I/SL Microchip Technology IC MCU 8BIT 7KB FLASH 14SOIC	 PIC16F1824-I/ST Microchip Technology IC MCU 8BIT 7KB FLASH 14TSSOP	 PIC16F1824-I/SL Microchip Technology IC MCU 8BIT 7KB FLASH 14SOIC	 PIC16F1824T-I/ST Microchip Technology IC MCU 8BIT 7KB FLASH 14TSSOP	 PIC16F1825-I/MLVAO 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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