

Image may be representation.  
See specifications for product details.



## PIC16F616-E/ST

Manufacturer Part Number	<b>PIC16F616-E/ST</b>
Manufacturer	<b>Microchip Technology</b>
Allelco Part Number	32D-PIC16F616-E/ST
ECAD Model	Request Free CAD Models
Parts Description	IC MCU 8BIT 3.5KB FLASH 14TSSOP
Package	14-TSSOP (0.173", 4.40mm Width)
Data sheet	<b>Tips N Tricks Guide.pdf</b>
	<b>Next Generation Peripherals Brochure.pdf</b>
	<b>PIC12F6xx,PIC16F61x,PIC12HV6xx,PIC16HV61x Programm.pdf</b>
	<b>PIC16F610/616, PIC16HV610/616.pdf</b>
RoHs Status	ROHS3 Compliant

**Get a Quote**

PIC16F616-E/ST - Microchip Technology.New Original in Stock. Download Linear Technology PIC16F616-E/ST datasheet/specifications on AllelcoElec.com.  
Request a quote for PIC16F616-E/ST, please send us email: [info@allelco.com](mailto:info@allelco.com)

## Specifications

PIC16F616-E/ST Tech Specifications

PIC16F616-E/ST - Microchip Technology technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Microchip Technology	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	2V ~ 5.5V	Operating Temperature	-40°C ~ 125°C (TA)
Supplier Device Package	14-TSSOP	Number of I/O	11
Speed	20MHz	Mounting Type	Surface Mount
Series	PIC® 16F	EEPROM Size	-
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	-
Package / Case	14-TSSOP (0.173", 4.40mm Width)	Base Product Number	PIC16F616
Package	Tube		

## Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology PIC16F616-E/ST

Product Attribute				
Part Number	PIC16F616-E/ST	PIC16F616-I/SL	PIC16F59-I/PT	PIC16F616-I/P
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Peripherals	Brown-out Detect/Reset, POR, PWM, WDT	Brown-out Detect/Reset, POR, PWM, WDT	POR, WDT	Brown-out Detect/Reset, POR, PWM, WDT
Series	PIC® 16F	PIC® 16F	PIC® 16F	PIC® 16F
EEPROM Size	-	-	-	-
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Through Hole
Package	Tube	Tube	Tray	Tube
Voltage - Supply (Vcc/Vdd)	2V ~ 5.5V	2V ~ 5.5V	2V ~ 5.5V	2V ~ 5.5V
Number of I/O	11	11	32	11
Oscillator Type	Internal	Internal	External	Internal
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
Connectivity	-	-	-	-
Core Processor	PIC	PIC	PIC	PIC
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Package / Case	14-TSSOP (0.173", 4.40mm Width)	14-SOIC (0.154", 3.90mm Width)	44-TQFP	14-DIP (0.300", 7.62mm)
Operating Temperature	-40°C ~ 125°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
RAM Size	128 x 8	128 x 8	134 x 8	128 x 8
Base Product Number	PIC16F616	PIC16F616	PIC16F59	PIC16F616
Data Converters	A/D 8x10b	A/D 8x10b	-	A/D 8x10b
Supplier Device Package	14-TSSOP	14-SOIC	44-TQFP (10x10)	14-PDIP
Speed	20MHz	20MHz	20MHz	20MHz
Program Memory Size	3.5KB (2K x 14)	3.5KB (2K x 14)	3KB (2K x 12)	3.5KB (2K x 14)

## PIC16F616-E/ST Datasheet PDF


Download PIC16F616-E/ST pdf datasheets and Microchip Technology documentation for PIC16F616-E/ST - Microchip Technology.

### Datasheets


[Tips N Tricks Guide.pdf](#)

[Next Generation Peripherals Brochure.pdf](#)

[PIC12F6xx,PIC16F61x,PIC12HV6xx,PIC16HV61x Programm.pdf](#)

 PIC16F610/616, PIC16HV610/616.pdf

## PCN Packaging

 Packing Changes 10/Oct/2016.pdf


 MBB/Label Chgs 16/Nov/2018.pdf

## PCN Design/Specification

 Lead Frame 10/Jan/2017.pdf

 Lead Frame Cancel 08/Feb/2017.pdf

## PCN Assembly/Origin

 Leadframe Material 29/Sep/2017.pdf

## Customers Also Interested in

### Recommended Products



#### PIC16F616-I/SL

Microchip Technology  
IC MCU 8BIT 3.5KB FLASH 14SOIC



#### PIC16F616I/ML

Micrel / Microchip Technology



#### PIC16F59-I/PT

Microchip Technology  
IC MCU 8BIT 3KB FLASH 44TQFP



#### PIC16F616-I/P

Microchip Technology  
IC MCU 8BIT 3.5KB FLASH 14DIP



#### PIC16F616-E/ML

Microchip Technology  
IC MCU 8BIT 3.5KB FLASH 16QFN

#### PIC16F610I/ML

Micrel / Microchip Technology



#### PIC16F610T-I/ST

Microchip Technology  
IC MCU 8BIT 1.75KB FLASH 14TSSOP



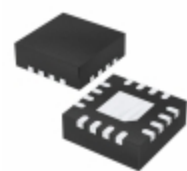
#### PIC16F616T-E/SL

Micrel / Microchip Technology



#### PIC16F616T-I/SL

Microchip Technology  
IC MCU 8BIT 3.5KB FLASH 14SOIC



#### PIC16F616T-I/ML

Microchip Technology  
IC MCU 8BIT 3.5KB FLASH 16QFN



#### PIC16F616-E/SL

Microchip Technology  
IC MCU 8BIT 3.5KB FLASH 14SOIC



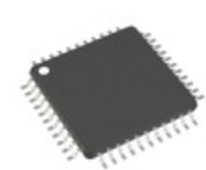
#### PIC16F616-I/ST

Microchip Technology  
IC MCU 8BIT 3.5KB FLASH 14TSSOP



#### PIC16F616-E/P

Microchip Technology  
IC MCU 8BIT 3.5KB FLASH 14DIP



#### PIC16F59T-I/PT

Microchip Technology  
IC MCU 8BIT 3KB FLASH 44TQFP



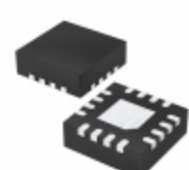
#### PIC16F610-I/SL

Microchip Technology  
IC MCU 8BIT 1.75KB FLASH 14SOIC



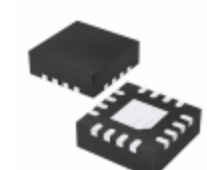
#### PIC16F610T-E/ML

Micrel / Microchip Technology



#### PIC16F616-I/ML

Microchip Technology  
IC MCU 8BIT 3.5KB FLASH 16QFN



#### PIC16F610-I/ML

Microchip Technology  
IC MCU 8BIT 1.75KB FLASH 16QFN

## 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 Alleco 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

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Email

info@allelco.com

## Certifications & Memberships



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