

Image may be representation.
See specifications for product details.



PIC16F616-I/ST

| | |
|--------------------------|--|
| Manufacturer Part Number | PIC16F616-I/ST |
| Manufacturer | Microchip Technology |
| Allelco Part Number | 32D-PIC16F616-I/ST |
| ECAD Model | PCB Symbol, Footprint & 3D Model |
| Parts Description | IC MCU 8BIT 3.5KB FLASH 14TSSOP |
| Package | 14-TSSOP (0.173', 4.40mm Width) |
| Data sheet | Tips N Tricks Guide.pdf Next Generation Peripherals Brochure.pdf PIC12F6xx,PIC16F61x,PIC12HV6xx,PIC16HV61x Programm.pdf PIC16F610/616, PIC16HV610/616.pdf |
| RoHs Status | ROHS3 Compliant |

Get a Quote

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

Specifications

PIC16F616-I/ST Tech Specifications

PIC16F616-I/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 ~ 85°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-I/ST

| Product Attribute | | | | |
|----------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|
| Part Number | PIC16F616-I/ST | PIC16F616-I/ML | PIC16F616-E/P | PIC16F616-I/P |
| Manufacturer | Microchip Technology | Microchip Technology | Microchip Technology | Microchip Technology |
| Program Memory Type | FLASH | FLASH | FLASH | FLASH |
| Speed | 20MHz | 20MHz | 20MHz | 20MHz |
| Base Product Number | PIC16F616 | PIC16F616 | PIC16F616 | PIC16F616 |
| Data Converters | A/D 8x10b | A/D 8x10b | A/D 8x10b | A/D 8x10b |
| Package | Tube | Tube | Tube | Tube |
| Core Size | 8-Bit | 8-Bit | 8-Bit | 8-Bit |
| EEPROM Size | - | - | - | - |
| Number of I/O | 11 | 11 | 11 | 11 |
| Oscillator Type | Internal | Internal | Internal | Internal |
| Package / Case | 14-TSSOP (0.173', 4.40mm Width) | 16-VQFN Exposed Pad | 14-DIP (0.300', 7.62mm) | 14-DIP (0.300", 7.62mm) |
| Core Processor | PIC | PIC | PIC | PIC |
| Supplier Device Package | 14-TSSOP | 16-QFN (4x4) | 14-PDIP | 14-PDIP |
| Mounting Type | Surface Mount | Surface Mount | Through Hole | Through Hole |
| Series | PIC® 16F | PIC® 16F | PIC® 16F | PIC® 16F |
| RAM Size | 128 x 8 | 128 x 8 | 128 x 8 | 128 x 8 |
| Operating Temperature | -40°C ~ 85°C (TA) | -40°C ~ 85°C (TA) | -40°C ~ 125°C (TA) | -40°C ~ 85°C (TA) |
| 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 |
| Connectivity | - | - | - | - |
| Program Memory Size | 3.5KB (2K x 14) | 3.5KB (2K x 14) | 3.5KB (2K x 14) | 3.5KB (2K x 14) |
| Voltage - Supply (Vcc/Vdd) | 2V ~ 5.5V | 2V ~ 5.5V | 2V ~ 5.5V | 2V ~ 5.5V |

PIC16F616-I/ST Datasheet PDF

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

Datasheets



PIC16F610/616, PIC16HV610/616.pdf

PCN Packaging



Label and Packing Changes 23/Sep/2015.pdf



Packing Changes 10/Oct/2016.pdf

PCN Design/Specification



Lead Frame 10/Jan/2017.pdf



Lead Frame Cancel 08/Feb/2017.pdf

HTML Datasheet



Tips N Tricks Guide.pdf



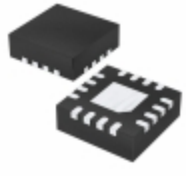
Next Generation Peripherals Brochure.pdf



PIC12F6xx,PIC16F61x,PIC12HV6xx,PIC16HV61x Programm.pdf

Customers Also Interested in

Recommended Products



PIC16F616-I/ML

Microchip Technology
IC MCU 8BIT 3.5KB FLASH 16QFN



PIC16F616-E/P

Microchip Technology
IC MCU 8BIT 3.5KB FLASH 14DIP



PIC16F616-I/P

Microchip Technology
IC MCU 8BIT 3.5KB FLASH 14DIP



PIC16F627-04/P

Microchip Technology
IC MCU 8BIT 1.75KB FLASH 18DIP



PIC16F610I/ML

Micrel / Microchip Technology

PIC16F616I/ML

Micrel / Microchip Technology



PIC16F610T-E/ML

Micrel / Microchip Technology



PIC16F616-I/SL

Microchip Technology
IC MCU 8BIT 3.5KB FLASH 14SOIC



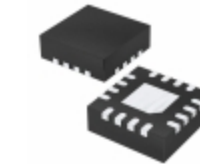
PIC16F616-E/SL

Microchip Technology
IC MCU 8BIT 3.5KB FLASH 14SOIC



PIC16F627-04/SS

Microchip Technology
IC MCU 8BIT 1.75KB FLASH 20SSOP



PIC16F616T-I/ML

Microchip Technology
IC MCU 8BIT 3.5KB FLASH 16QFN



PIC16F616T-E/SL

Micrel / Microchip Technology



PIC16F616-E/ST

Microchip Technology
IC MCU 8BIT 3.5KB FLASH 14TSSOP



PIC16F616T-I/SL

Microchip Technology
IC MCU 8BIT 3.5KB FLASH 14SOIC



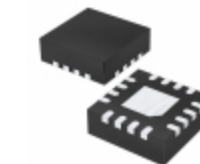
PIC16F610T-I/ST

Microchip Technology
IC MCU 8BIT 1.75KB FLASH 14TSSOP



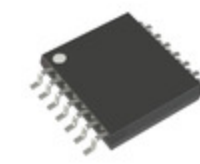
PIC16F627-04/SO

Microchip Technology
IC MCU 8BIT 1.75KB FLASH 18SOIC



PIC16F616-E/ML

Microchip Technology
IC MCU 8BIT 3.5KB FLASH 16QFN



PIC16F616T-I/ST

Microchip Technology
IC MCU 8BIT 3.5KB FLASH 14TSSOP

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

Contact us if you have any questions.



Phone

+00852 9146 4856



Email

info@allelco.com

Certifications & Memberships



View More

