

Image may be representation.
See specifications for product details.



PIC16F1829-I/GZ

Manufacturer Part Number **PIC16F1829-I/GZ**

Manufacturer **Microchip Technology**

Allelco Part Number **32D-PIC16F1829-I/GZ**

ECAD Model [Request Free CAD Models](#)

Parts Description **IC MCU 8BIT 14KB FLASH 20UQFN**

Package **20-UQFN Exposed Pad**

Data sheet [Next Generation Peripherals Brochure.pdf](#)

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

[PIC16F1829LIN Preliminary.pdf](#)

RoHS Status **ROHS3 Compliant**

Get a Quote

PIC16F1829-I/GZ - Microchip Technology. New Original in Stock. Download Linear Technology PIC16F1829-I/GZ datasheet/specifications on AllelcoElec.com. Request a quote for PIC16F1829-I/GZ, please send us email: info@allelco.com

Specifications

PIC16F1829-I/GZ Tech Specifications

PIC16F1829-I/GZ - 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 | 20-UQFN (4x4) | Number of I/O | 17 |
| 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 12x10b |
| 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 | 20-UQFN Exposed Pad | Base Product Number | PIC16F1829 |
| Package | Tube | | |

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology PIC16F1829-I/GZ

| Product Attribute | | | | |
|----------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|
| Part Number | PIC16F1829-I/GZ | PIC16F1829-I/P | PIC16F1828-I/ML | PIC16F1828T-I/ML |
| Manufacturer | Microchip Technology | Microchip Technology | Microchip Technology | Microchip Technology |
| Speed | 32MHz | 32MHz | 32MHz | 32MHz |
| Base Product Number | PIC16F1829 | PIC16F1829 | PIC16F1828 | PIC16F1828 |
| Data Converters | A/D 12x10b | A/D 12x10b | A/D 12x10b | A/D 12x10b |
| Package / Case | 20-UQFN Exposed Pad | 20-DIP (0.300", 7.62mm) | 20-VQFN Exposed Pad | 20-VQFN Exposed Pad |
| Package | Tube | Tube | Tube | Tape & Reel (TR) |
| Program Memory Size | 14KB (8K x 14) | 14KB (8K x 14) | 7KB (4K x 14) | 7KB (4K x 14) |
| Core Processor | PIC | PIC | PIC | PIC |
| Number of I/O | 17 | 17 | 17 | 17 |
| RAM Size | 1K x 8 | 1K x 8 | 256 x 8 | 256 x 8 |
| Program Memory Type | FLASH | FLASH | FLASH | FLASH |
| Series | PIC® XLP™ mTouch™ 16F | PIC® XLP™ mTouch™ 16F | PIC® XLP™ mTouch™ 16F | PIC® XLP™ mTouch™ 16F |
| 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) |
| Connectivity | I²C, LINbus, SPI, UART/USART | I²C, LINbus, SPI, UART/USART | I²C, SPI, UART/USART | I²C, SPI, UART/USART |
| 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 Size | 8-Bit | 8-Bit | 8-Bit | 8-Bit |
| 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 |
| Mounting Type | Surface Mount | Through Hole | Surface Mount | Surface Mount |
| Supplier Device Package | 20-UQFN (4x4) | 20-PDIP | 20-QFN (4x4) | 20-QFN (4x4) |

PIC16F1829-I/GZ Datasheet PDF

Download PIC16F1829-I/GZ pdf datasheets and Microchip Technology documentation for PIC16F1829-I/GZ - Microchip Technology.

Datasheets

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

PCN Packaging

 Label and Packing Changes 23/Sep/2015.pdf

 Packing Changes 10/Oct/2016.pdf

HTML Datasheet

 Next Generation Peripherals Brochure.pdf




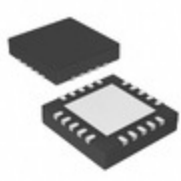
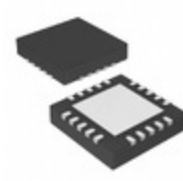



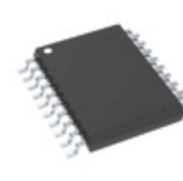







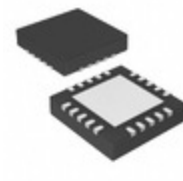

 PIC16F1829LIN Preliminary.pdf

PCN Assembly/Origin

 2.73KHz.pdf

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Recommended Products

| | | | | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  PIC16F1829T-E/SO021 Micrel / Microchip Technology |  PIC16F1829-I/P Microchip Technology IC MCU 8BIT 14KB FLASH 20DIP |  PIC16F1828T-I/SSV01 Micrel / Microchip Technology |  PIC16F1828-I/ML Microchip Technology IC MCU 8BIT 7KB FLASH 20QFN |  PIC16F1828T-I/ML Microchip Technology IC MCU 8BIT 7KB FLASH 20QFN |  PIC16F1829LIN-I/SS Microchip Technology IC MCU 8BIT 14KB FLASH 20SSOP |
|  PIC16F1829T-E/SS Micrel / Microchip Technology |  PIC16F1829LIN-E/SS Microchip Technology IC MCU 8BIT 14KB FLASH 20SSOP |  PIC16F1829-E/SS Microchip Technology IC MCU 8BIT 14KB FLASH 20SSOP |  PIC16F1829LIN-E/SSVAO Micrel / Microchip Technology |  PIC16F1829-I/SO Microchip Technology IC MCU 8BIT 14KB FLASH 20SOIC |  PIC16F1828T-I/SS Microchip Technology IC MCU 8BIT 7KB FLASH 20SSOP |
|  PIC16F1828-I/SS Microchip Technology IC MCU 8BIT 7KB FLASH 20SSOP |  PIC16F1829-I/SS Microchip Technology IC MCU 8BIT 14KB FLASH 20SSOP |  PIC16F1829T-E/ML Micrel / Microchip Technology |  PIC16F1828-I/SO Microchip Technology IC MCU 8BIT 7KB FLASH 20SOIC |  PIC16F1829-I/ML Microchip Technology IC MCU 8BIT 14KB FLASH 20QFN |  PIC16F1828T-E/SS 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 |

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.


| 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 |


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

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Contact us if you have any questions.

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Certifications & Memberships



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