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See specifications for product details.



## DSPIC33FJ128GP306A-I/PT

Manufacturer Part Number **DSPIC33FJ128GP306A-I/PT**

Manufacturer **Microchip Technology**

Allelco Part Number **32D-DSPIC33FJ128GP306A-I/PT**

ECAD Model PCB Symbol, Footprint & 3D Model

Parts Description **IC MCU 16BIT 128KB FLASH 64TQFP**

Package **64-TQFP**

Data sheet **Cylindrical Battery Holders.pdf**

**DSPIC33FJyyyGPy06/08/10A.pdf**

RoHs Status **ROHS3 Compliant**

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### Specifications

DSPIC33FJ128GP306A-I/PT Tech Specifications

DSPIC33FJ128GP306A-I/PT - Microchip Technology technical specifications, attributes, parameters

| Product Attribute          | Attribute Value                                       | Product Attribute     | Attribute Value                    |
|----------------------------|---|-----------------------|------------------------------------|
| Manufacturer               | Microchip Technology                                  | Oscillator Type       | Internal                           |
| Voltage - Supply (Vcc/Vdd) | 3V ~ 3.6V   | Operating Temperature | -40°C ~ 85°C (TA)                  |
| Supplier Device Package    | 64-TQFP (10x10)                                       | Number of I/O         | 53                                 |
| Speed                      | 40 MIPS   | Mounting Type         | Surface Mount                      |
| Series                     | dsPIC™ 33F  | EEPROM Size           | -                                  |
| RAM Size                   | 16K x 8   | Data Converters       | A/D 18x10b/12b                     |
| Program Memory Type        | FLASH   | Core Size             | 16-Bit                             |
| Program Memory Size        | 128KB (128K x 8)                                      | Core Processor        | dsPIC                              |
| Peripherals                | AC97, Brown-out Detect/Reset, DMA, I²S, POR, PWM, WDT | Connectivity          | I²C, IrDA, LINbus, SPI, UART/USART |
| Package / Case             | 64-TQFP   | Base Product Number   | DSPIC33FJ128GP306                  |
| Package                    | Tray  |                       |                                    |

### Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology DSPIC33FJ128GP306A-I/PT

| Product Attribute          |   |   |   |   |
|----------------------------|---|---|---|---|
| Part Number                | DSPIC33FJ128GP306A-I/PT                               | DSPIC33FJ128GP706-I/PT                                | DSPIC33FJ128GP204-I/ML                                | DSPIC33FJ128GP204-I/PT                                |
| Manufacturer               | Microchip Technology                                  | Microchip Technology                                  | Microchip Technology                                  | Microchip Technology                                  |
| Base Product Number        | DSPIC33FJ128GP306                                     | DSPIC33FJ128GP706                                     | DSPIC33FJ128GP204                                     | DSPIC33FJ128GP204                                     |
| Package                    | Tray  | Tray  | Tube  | Tray  |
| Series                     | dsPIC™ 33F  | dsPIC™ 33F  | dsPIC™ 33F  | dsPIC™ 33F  |
| Core Size                  | 16-Bit  | 16-Bit  | 16-Bit  | 16-Bit  |
| Supplier Device Package    | 64-TQFP (10x10)                                       | 64-TQFP (10x10)                                       | 44-QFN (8x8)  | 44-TQFP (10x10)                                       |
| Peripherals                | AC97, Brown-out Detect/Reset, DMA, I²S, POR, PWM, WDT | AC97, Brown-out Detect/Reset, DMA, I²S, POR, PWM, WDT | AC97, Brown-out Detect/Reset, DMA, I²S, POR, PWM, WDT | AC97, Brown-out Detect/Reset, DMA, I²S, POR, PWM, WDT |
| Voltage - Supply (Vcc/Vdd) | 3V ~ 3.6V   | 3V ~ 3.6V   | 3V ~ 3.6V   | 3V ~ 3.6V   |
| Package / Case             | 64-TQFP   | 64-TQFP   | 44-VQFN Exposed Pad                                   | 44-TQFP   |
| Speed                      | 40 MIPS   | 40 MIPS   | 40 MIPS   | 40 MIPS   |
| Program Memory Type        | FLASH   | FLASH   | FLASH   | FLASH   |
| EEPROM Size                | -   | -   | -   | -   |
| Data Converters            | A/D 18x10b/12b  | A/D 18x10b/12b  | A/D 13x10b/12b  | A/D 13x10b/12b  |
| Mounting Type              | Surface Mount   | Surface Mount   | Surface Mount   | Surface Mount   |
| Oscillator Type            | Internal  | Internal  | Internal  | Internal  |
| Program Memory Size        | 128KB (128K x 8)                                      | 128KB (128K x 8)                                      | 128KB (128K x 8)                                      | 128KB (128K x 8)                                      |
| Core Processor             | dsPIC   | dsPIC   | dsPIC   | dsPIC   |
| Number of I/O              | 53  | 53  | 35  | 35  |
| RAM Size                   | 16K x 8   | 16K x 8   | 8K x 8  | 8K x 8  |
| Connectivity               | I²C, IrDA, LINbus, SPI, UART/USART                    | CANbus, I²C, IrDA, LINbus, SPI, UART/USART            | I²C, IrDA, LINbus, SPI, UART/USART                    | I²C, IrDA, LINbus, SPI, UART/USART                    |
| Operating Temperature      | -40°C ~ 85°C (TA)                                     | -40°C ~ 85°C (TA)                                     | -40°C ~ 85°C (TA)                                     | -40°C ~ 85°C (TA)                                     |

### DSPIC33FJ128GP306A-I/PT Datasheet PDF

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#### Datasheets

DSPIC33FJyyyGPy06/08/10A.pdf

#### PCN Packaging

HTML Datasheet


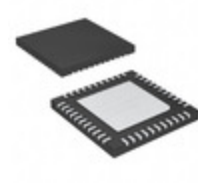





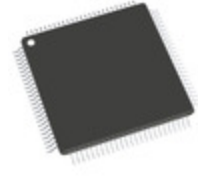


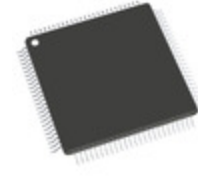



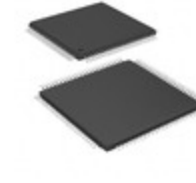


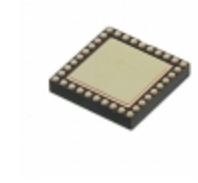
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| <b>DSPIC33FJ128GP706-I/PT</b><br>Microchip Technology<br>IC MCU 16BIT 128KB FLASH 64TQFP   | <b>DSPIC33FJ128GP204-I/ML</b><br>Microchip Technology<br>IC MCU 16BIT 128KB FLASH 44QFN   | <b>DSPIC33FJ128GP204-I/PT</b><br>Microchip Technology<br>IC MCU 16BIT 128KB FLASH 44TQFP   | <b>DSPIC33FJ128GP206A-E/PT</b><br>Microchip Technology<br>IC MCU 16BIT 128KB FLASH 64TQFP | <b>DSPIC33FJ128GP306-I/PT</b><br>Microchip Technology<br>IC MCU 16BIT 128KB FLASH 64TQFP   | <b>DSPIC33FJ128GP306A-E/PT</b><br>Microchip Technology<br>IC MCU 16BIT 128KB FLASH 64TQFP |
|          |         |          |        |        |       |
| <b>DSPIC33FJ128GP306AT-I/PT</b><br>Microchip Technology<br>IC MCU 16BIT 128KB FLASH 64TQFP | <b>DSPIC33FJ128GP310-I/PF</b><br>Microchip Technology<br>IC MCU 16BIT 128KB FLASH 100TQFP | <b>DSPIC33FJ128GP206A-I/PT</b><br>Microchip Technology<br>IC MCU 16BIT 128KB FLASH 64TQFP  | <b>DSPIC33FJ128GP706A-I/PT</b><br>Microchip Technology<br>IC MCU 16BIT 128KB FLASH 64TQFP | <b>DSPIC33FJ128GP310A-E/PF</b><br>Microchip Technology<br>IC MCU 16BIT 128KB FLASH 100TQFP | <b>DSPIC33FJ128GP202-I/SO</b><br>Microchip Technology<br>IC MCU 16BIT 128KB FLASH 28SOIC  |
|         |        |         |       |       |      |
| <b>DSPIC33FJ128GP708-I/PT</b><br>Microchip Technology<br>IC MCU 16BIT 128KB FLASH 80TQFP   | <b>DSPIC33FJ128GP310-I/PT</b><br>Microchip Technology<br>IC MCU 16BIT 128KB FLASH 100TQFP | <b>DSPIC33FJ128GP310A-I/PT</b><br>Microchip Technology<br>IC MCU 16BIT 128KB FLASH 100TQFP | <b>DSPIC33FJ128GP706A-E/PT</b><br>Microchip Technology<br>IC MCU 16BIT 128KB FLASH 64TQFP | <b>DSPIC33FJ128GP202-E/SP</b><br>Microchip Technology<br>IC MCU 16BIT 128KB FLASH 28SPDIP  | <b>DSPIC33FJ09GS302-I/TL</b><br>Microchip Technology<br>IC MCU 16BIT 9KB FLASH 36VTLA     |

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 -

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| <br>Efficient Supply Management | <br>Cost-Saving Procurement | <br>Fast Sourcing & Delivery |
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Contact us if you have any questions.

|  |  |
|--|--|
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|--|--|

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