

DSPIC33FJ128GP310-I/PT



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Part Number: DSPIC33FJ128GP310-I/PT

Manufacturer: Micrel / Microchip Technology

Description: IC MCU 16BIT 128KB FLASH 100TQFP

Data sheet:  16-bit Embedded Control Solutions  
 dsPIC33FJzzzGP Family Silicon Errata  
 DSPIC33FJzzzGPx06/x08/x10 Data Sheet  
 DSPIC33F Product Overview

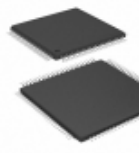
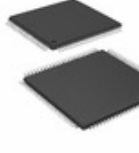
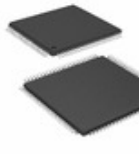
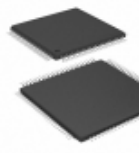
RoHs Status: Lead free / RoHS Compliant

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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                        |                                  |                                                                                                                                                                                                                |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                     | DSPIC33FJ128GP310-I/PT                                 | Manufacturer                     | Micrel / Microchip Technology                                                                                                                                                                                  |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                     | IC MCU 16BIT 128KB FLASH 100TQFP                       | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                                                                                                     |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                              | 15742 pcs                                              | Data sheet                       | <a href="#">16-bit Embedded Control Solutions</a><br><a href="#">dsPIC33FJzzzGP Family Silicon Errata</a><br><a href="#">DSPIC33FJzzzGPx06/x08/x10 Data Sheet</a><br><a href="#">DSPIC33F Product Overview</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                        | <a href="#">Integrated Circuits (ICs)</a>              | Voltage - Supply (Vcc/Vdd)       | 3 V ~ 3.6 V                                                                                                                                                                                                    |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                         | 100-TQFP (12x12)                                       | Speed                            | 40 MIPs                                                                                                                                                                                                        |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                          | dsPIC™ 33F                                             | RAM Size                         | 16K x 8                                                                                                                                                                                                        |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                             | FLASH                                                  | Program Memory Size              | 128KB (128K x 8)                                                                                                                                                                                               |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                     | AC'97, Brown-out Detect/Reset, DMA, I²S, POR, PWM, WDT | Packaging                        | Tray                                                                                                                                                                                                           |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                  | 100-TQFP                                               | Other Names                      | DSPIC33FJ128GP310IPT                                                                                                                                                                                           |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                 | Internal                                               | Operating Temperature            | -40°C ~ 85°C (TA)                                                                                                                                                                                              |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                   | 85                                                     | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                                                                                                                                                  |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                                                 | 15 Weeks                                               | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                                                                                                     |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                                     | -                                                      | Detailed Description             | dsPIC dsPIC™ 33F Microcontroller IC 16-Bit 40 MIPs 128KB (128K x 8) FLASH 100-TQFP (12x12)                                                                                                                     |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                 | A/D 32x10b/12b                                         | Core Size                        | 16-Bit                                                                                                                                                                                                         |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                  | dsPIC                                                  | Connectivity                     | I²C, IrDA, LINbus, SPI, UART/USART                                                                                                                                                                             |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                | DSPIC33FJ128GP310                                      |                                  |                                                                                                                                                                                                                |
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| RELATED PRODUCTS                                                                   |                                                                                                  |                                                              |                |
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|  | Part#: <a href="#">DSPIC33FJ128GP310T-I/PT</a><br>Description: IC MCU 16BIT 128KB FLASH 100TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">DSPIC33FJ128GP206T-I/PT</a><br>Description: IC MCU 16BIT 128KB FLASH 64TQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33FJ128GP306T-I/PT</a><br>Description: IC MCU 16BIT 128KB FLASH 64TQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33FJ128GP310A-I/PT</a><br>Description: IC MCU 16BIT 128KB FLASH 100TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33FJ128GP306AT-I/PT</a><br>Description: IC MCU 16BIT 128KB FLASH 64TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33FJ128GP306A-I/MR</a><br>Description: IC MCU 16BIT 128KB FLASH 64QFN    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33FJ128GP306A-E/PT</a><br>Description: IC MCU 16BIT 128KB FLASH 64TQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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