

DSPIC33FJ128GP706T-I/PT



**Part Number:** [DSPIC33FJ128GP706T-I/PT](#)

**Manufacturer:** [Micrel / Microchip Technology](#)

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

**Data sheet:**  [16-bit Embedded Control Solutions](#)  
 [dsPIC33FJzzzGP Family Silicon Errata](#)  
 [dsPIC33FJ128GP206,MCP3909 Ref Design Guide](#)  
 [DSPIC33FJzzzGPx06/x08/x10 Data Sheet](#)  
 [DSPIC33F Product Overview](#)

**RoHs Status:** Lead free / RoHS Compliant

**Ship From:** Hong Kong

**Shipment Way:** DHL/Fedex/TNT/UPS/EMS

Images are for reference only.  
See Product Specifications for product details.  
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                        |                                  |                                                                                                                                                                                                                                                                              |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | DSPIC33FJ128GP706T-I/PT                                | Manufacturer                     | <a href="#">Micrel / Microchip Technology</a>                                                                                                                                                                                                                                |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | IC MCU 16BIT 128KB FLASH 64TQFP                        | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                   |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 20672 pcs                                              | Data sheet                       | <a href="#">16-bit Embedded Control Solutions</a><br><a href="#">dsPIC33FJzzzGP Family Silicon Errata</a><br><a href="#">dsPIC33FJ128GP206,MCP3909 Ref Design Guide</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                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 64-TQFP (10x10)                                        | 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                        | Tape & Reel (TR)                                                                                                                                                                                                                                                             |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 64-TQFP                                                | Other Names                      | DSPIC33FJ128GP706T-I/PT-ND<br>DSPIC33FJ128GP706T-I/PTTTR                                                                                                                                                                                                                     |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Internal                                               | Operating Temperature            | -40°C ~ 85°C (TA)                                                                                                                                                                                                                                                            |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 53                                                     | 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 64-TQFP (10x10)                                                                                                                                                                                    |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | A/D 18x10b/12b                                         | Core Size                        | 16-Bit                                                                                                                                                                                                                                                                       |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | dsPIC                                                  | Connectivity                     | CANbus, I²C, IrDA, LINbus, SPI, UART/USART                                                                                                                                                                                                                                   |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | DSPIC33FJ128GP706                                      |                                  |                                                                                                                                                                                                                                                                              |
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|  | Part#: <a href="#">DSPIC33FJ128GP710-I/PF</a><br>Description: IC MCU 16BIT 128KB FLASH 100TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
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|  | Part#: <a href="#">DSPIC33FJ128GP706A-E/PT</a><br>Description: IC MCU 16BIT 128KB FLASH 64TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">DSPIC33FJ128GP310T-I/PT</a><br>Description: IC MCU 16BIT 128KB FLASH 100TQFP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">DSPIC33FJ128GP706A-H/PT</a><br>Description: IC MCU 16BIT 128KB FLASH 64TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
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|  | Part#: <a href="#">DSPIC33FJ128GP706AT-I/MR</a><br>Description: IC MCU 16BIT 128KB FLASH 64QFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
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|  | Part#: <a href="#">DSPIC33FJ128GP706A-H/MR</a><br>Description: IC MCU 16BIT 128KB FLASH 64QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
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