

DSPIC33FJ64GP706AT-I/MR



**Part Number:** [DSPIC33FJ64GP706AT-I/MR](#)

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

**Description:** IC MCU 16BIT 64KB FLASH 64QFN

**Data sheet:**  [dsPIC33FJ\(64,128\)GPz\(06,08,10\)A Errata & Data Sheet](#)  
 [Data Sheet Embedded Control Solutions](#)  
 [DSPIC33FJyyyGPY06/08/10A](#)

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

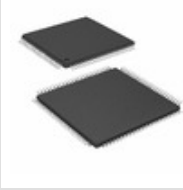
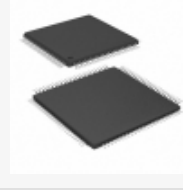
**Ship From:** Hong Kong

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

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                      |                                 |                                                                                                                                                                              |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | DSPIC33FJ64GP706AT-I/MR                                                              | Manufacturer                    | <a href="#">Micrel / Microchip Technology</a>                                                                                                                                |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | IC MCU 16BIT 64KB FLASH 64QFN                                                        | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant                                                                                                                                                   |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 19585 pcs                                                                            | Data sheet                      | <a href="#">dsPIC33FJ(64,128)GPz(06,08,10)A Errata &amp; Data Sheet</a><br><a href="#">Data Sheet Embedded Control Solutions</a><br><a href="#">DSPIC33FJyyyGPY06/08/10A</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <a href="#">Integrated Circuits (ICs)</a>                                            | Voltage - Supply (Vcc/Vdd)      | 3 V ~ 3.6 V                                                                                                                                                                  |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 64-QFN (9x9)                                                                         | Speed                           | 40 MIPs                                                                                                                                                                      |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | dsPIC™ 33F                                                                           | RAM Size                        | 16K x 8                                                                                                                                                                      |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | FLASH                                                                                | Program Memory Size             | 64KB (64K x 8)                                                                                                                                                               |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | AC'97, Brown-out Detect/Reset, DMA, I²S, POR, PWM, WDT                               | Packaging                       | Tape & Reel (TR)                                                                                                                                                             |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 64-VFQFN Exposed Pad                                                                 | Oscillator Type                 | Internal                                                                                                                                                                     |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | -40°C ~ 85°C (TA)                                                                    | Number of I/O                   | 53                                                                                                                                                                           |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1 (Unlimited)                                                                        | Manufacturer Standard Lead Time | 12 Weeks                                                                                                                                                                     |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Lead free / RoHS Compliant                                                           | EEPROM Size                     | -                                                                                                                                                                            |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | dsPIC dsPIC™ 33F Microcontroller IC 16-Bit 40 MIPs 64KB (64K x 8) FLASH 64-QFN (9x9) | Data Converters                 | A/D 18x10b/12b                                                                                                                                                               |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 16-Bit                                                                               | Core Processor                  | dsPIC                                                                                                                                                                        |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | CANbus, I²C, IrDA, LINbus, SPI, UART/USART                                           | Base Part Number                | DSPIC33FJ64GP706A                                                                                                                                                            |
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| RELATED PRODUCTS                                                                   |                                                                                                |                                                              |                |
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|  | Part#: <a href="#">DSPIC33FJ64GP708-I/PT</a><br>Description: IC MCU 16BIT 64KB FLASH 80TQFP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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