

DSPIC33FJ64GS606-I/PT



Part Number: [DSPIC33FJ64GS606-I/PT](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 16BIT 64KB FLASH 64TQFP

Data sheet:  [16-bit Embedded Control Solutions](#)  
 [dsPIC33FJ\(32,64\)GSx06,608,610 Errata & DataSheet C](#)  
 [DSPIC33FJ\(32,64\)GS406/606/08/10 DataSheet](#)

RoHs Status: Lead free / RoHS Compliant

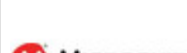
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                 |                                  |                                                                                                                                                                                          |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | DSPIC33FJ64GS606-I/PT                           | Manufacturer                     | <a href="#">Micrel / Microchip Technology</a>                                                                                                                                            |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | IC MCU 16BIT 64KB FLASH 64TQFP                  | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                                                                               |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 20639 pcs                                       | Data sheet                       | <a href="#">16-bit Embedded Control Solutions</a><br><a href="#">dsPIC33FJ(32,64)GSx06,608,610 Errata &amp; DataSheet C</a><br><a href="#">DSPIC33FJ(32,64)GS406/606/08/10 DataSheet</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                         | 9K x 8                                                                                                                                                                                   |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | FLASH                                           | Program Memory Size              | 64KB (64K x 8)                                                                                                                                                                           |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Brown-out Detect/Reset, DMA, QEI, POR, PWM, WDT | Packaging                        | Tray                                                                                                                                                                                     |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 64-TQFP                                         | Other Names                      | DSPIC33FJ64GS606IPT                                                                                                                                                                      |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Internal                                        | Operating Temperature            | -40°C ~ 85°C (TA)                                                                                                                                                                        |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 58                                              | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                                                                                                                            |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 11 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-TQFP (10x10)                                                                                                  |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | A/D 16x10b; D/A 1x10b                           | Core Size                        | 16-Bit                                                                                                                                                                                   |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | dsPIC                                           | Connectivity                     | CANbus, I²C, IrDA, LINbus, SPI, UART/USART, USB                                                                                                                                          |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | DSPIC33FJ64GS606                                |                                  |                                                                                                                                                                                          |
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| RELATED PRODUCTS                                                                   |                                                                                                |                                                              |                |
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|  | Part#: <a href="#">DSPIC33FJ64GS608T-50I/PT</a><br>Description: IC MCU 16BIT 64KB FLASH 80TQFP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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Related keywords for DSPIC33FJ64GS606-I/PT

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