

DSPIC33FJ64GS406-E/PT



Part Number: [DSPIC33FJ64GS406-E/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

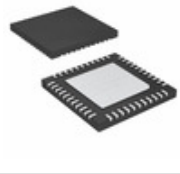
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                         |                                 |                                                                                                                                                                                          |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | DSPIC33FJ64GS406-E/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                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 23289 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                        | 8K x 8                                                                                                                                                                                   |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | FLASH                                                                                   | Program Memory Size             | 64KB (64K x 8)                                                                                                                                                                           |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Brown-out Detect/Reset, QEI, POR, PWM, WDT                                              | Packaging                       | Tray                                                                                                                                                                                     |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 64-TQFP                                                                                 | Oscillator Type                 | Internal                                                                                                                                                                                 |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | -40°C ~ 125°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                                                                                                                                                                               |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 16-Bit                                                                                  | Core Processor                  | dsPIC                                                                                                                                                                                    |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | I <sup>2</sup> C, IrDA, LINbus, SCI, SPI, UART/USART, USB                               | Base Part Number                | DSPIC33FJ64GS406                                                                                                                                                                         |
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| RELATED PRODUCTS                                                                   |                                                                                                |                                                              |                |
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|  | Part#: <a href="#">DSPIC33FJ64GP804T-I/PT</a><br>Description: IC MCU 16BIT 64KB FLASH 44TQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33FJ64GP804-E/PT</a><br>Description: IC MCU 16BIT 64KB FLASH 44TQFP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33FJ64GS406-E/MR</a><br>Description: IC MCU 16BIT 64KB FLASH 64QFN     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33FJ64GS606-E/MR</a><br>Description: IC MCU 16BIT 64KB FLASH 64QFN     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33FJ64GS406-I/PT</a><br>Description: IC MCU 16BIT 64KB FLASH 64TQFP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33FJ64GP804-E/ML</a><br>Description: IC MCU 16BIT 64KB FLASH 44QFN     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33FJ64GP802T-I/SO</a><br>Description: IC MCU 16BIT 64KB FLASH 28SOIC   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33FJ64GP804T-I/ML</a><br>Description: IC MCU 16BIT 64KB FLASH 44QFN    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33FJ64GS406-50I/MR</a><br>Description: IC MCU 16BIT 64KB FLASH 64QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33FJ64GS606-E/PT</a><br>Description: IC MCU 16BIT 64KB FLASH 64TQFP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33FJ64GS606-50I/MR</a><br>Description: IC MCU 16BIT 64KB FLASH 64QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33FJ64GP804-I/ML</a><br>Description: IC MCU 16BIT 64KB FLASH 44QFN     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33FJ64GS406T-50I/MR</a><br>Description: IC MCU 16BIT 64KB FLASH 64QFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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Related keywords for DSPIC33FJ64GS406-E/PT

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