

DSPIC33FJ64MC506A-I/PT



Part Number: [DSPIC33FJ64MC506A-I/PT](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 16BIT 64KB FLASH 64TQFP

Data sheet:  [dsPIC33FJ\(64,128\)MCx\(06,08,10\)A Errata & Data Shee](#)  
 [16-bit Embedded Control Solutions](#)  
 [DSPIC33FJzzzMCX06/8/10A](#)

RoHs Status: Lead free / RoHS Compliant

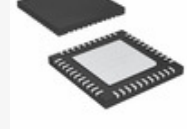
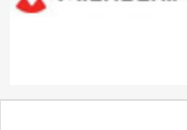
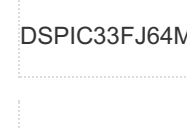
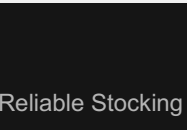
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                    |                                  |                                                                                                                                                                        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | DSPIC33FJ64MC506A-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                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 21823 pcs                                                          | Data sheet                       | <a href="#">dsPIC33FJ(64,128)MCx(06,08,10)A Errata &amp; Data Shee</a><br><a href="#">16-bit Embedded Control Solutions</a><br><a href="#">DSPIC33FJzzzMCX06/8/10A</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, DMA, Motor Control PWM, POR, PWM, QEI, WDT | Packaging                        | Tray                                                                                                                                                                   |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 64-TQFP                                                            | Other Names                      | DSPIC33FJ64MC506AIP                                                                                                                                                    |
| 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 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-TQFP (10x10)                                                                                |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | A/D 16x10b/12b                                                     | Core Size                        | 16-Bit                                                                                                                                                                 |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | dsPIC                                                              | Connectivity                     | CANbus, I²C, IrDA, LINbus, SPI, UART/USART                                                                                                                             |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | DSPIC33FJ64MC506A                                                  |                                  |                                                                                                                                                                        |
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| RELATED PRODUCTS                                                                   |                                                                                               |                                                              |                |
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|  | Part#: <a href="#">DSPIC33FJ64MC508A-E/PT</a><br>Description: IC MCU 16BIT 64KB FLASH 80TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33FJ64MC506AT-I/MR</a><br>Description: IC MCU 16BIT 64KB FLASH 64QFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33FJ64MC204T-I/ML</a><br>Description: IC MCU 16BIT 64KB FLASH 44QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33FJ64MC508AT-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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|  | Part#: <a href="#">DSPIC33FJ64MC510-I/PT</a><br>Description: IC MCU 16BIT 64KB FLASH 100TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33FJ64MC204T-I/PT</a><br>Description: IC MCU 16BIT 64KB FLASH 44TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33FJ64MC506AT-I/PT</a><br>Description: IC MCU 16BIT 64KB FLASH 64TQFP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33FJ64MC508A-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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|  | Part#: <a href="#">DSPIC33FJ64MC510-I/PF</a><br>Description: IC MCU 16BIT 64KB FLASH 100TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">DSPIC33FJ64MC506A-H/MR</a><br>Description: IC MCU 16BIT 64KB FLASH 64QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |

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