

DSPIC33FJ64MC510A-E/PT





Part Number: [DSPIC33FJ64MC510A-E/PT](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 16BIT 64KB FLASH 100TQFP

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

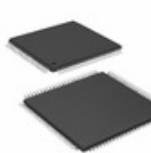
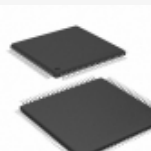
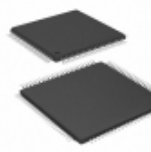
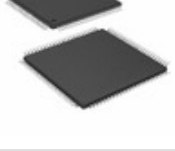
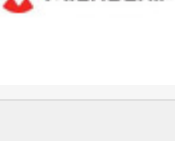
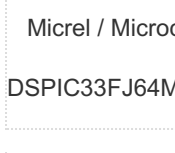
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                          |                                 |                                                                                                                                                                         |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | DSPIC33FJ64MC510A-E/PT                                                                   | Manufacturer                    | <a href="#">Micrel / Microchip Technology</a>                                                                                                                           |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | IC MCU 16BIT 64KB FLASH 100TQFP                                                          | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant                                                                                                                                              |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 18093 pcs                                                                                | Data sheet                      | <a href="#">dsPIC33FJ(64,128)MCx(06,08,10)A Errata &amp; Data Sheet</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                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 100-TQFP (12x12)                                                                         | 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 100-TQFP                                                                                 | Oscillator Type                 | Internal                                                                                                                                                                |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | -40°C ~ 125°C (TA)                                                                       | Number of I/O                   | 85                                                                                                                                                                      |
| 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 100-TQFP (12x12) | Data Converters                 | A/D 24x10b/12b                                                                                                                                                          |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 16-Bit                                                                                   | Core Processor                  | dsPIC                                                                                                                                                                   |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | CANbus, I²C, IrDA, LINbus, SPI, UART/USART                                               | Base Part Number                | DSPIC33FJ64MC510A                                                                                                                                                       |
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| RELATED PRODUCTS                                                                   |                                                                                                |                                                              |                |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------|
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