

DSPIC33CK32MP502-E/SS





Part Number: [DSPIC33CK32MP502-E/SS](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: 16 BIT DSC, 32KB FLASH, 8KB RAM,

Data sheet:

RoHs Status:

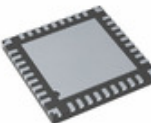
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                    |                                 |                                                                                                       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|---------------------------------|-------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | DSPIC33CK32MP502-E/SS                                              | Manufacturer                    | <a href="#">Micrel / Microchip Technology</a>                                                         |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 16 BIT DSC, 32KB FLASH, 8KB RAM,                                   | Lead Free Status / RoHS Status  |                                                                                                       |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 41211 pcs                                                          | Data sheet                      |                                                                                                       |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <a href="#">Integrated Circuits (ICs)</a>                          | Voltage - Supply (Vcc/Vdd)      | 3 V ~ 3.6 V                                                                                           |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 28-SSOP                                                            | Speed                           | 100MHz                                                                                                |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Automotive, AEC-Q100, dsPIC™ 33CK                                  | RAM Size                        | 8K x 8                                                                                                |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | FLASH                                                              | Program Memory Size             | 32KB (32K x 8)                                                                                        |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Brown-out Detect/Reset, DMA, Motor Control PWM, POR, PWM, QEI, WDT | Packaging                       | Tube                                                                                                  |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 28-SSOP (0.209", 5.30mm Width)                                     | Oscillator Type                 | Internal                                                                                              |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | -40°C ~ 125°C (TA)                                                 | Number of I/O                   | 21                                                                                                    |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 2 (1 Year)                                                         | Manufacturer Standard Lead Time | 18 Weeks                                                                                              |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | -                                                                  | Detailed Description            | dsPIC Automotive, AEC-Q100, dsPIC™ 33CK Microcontroller IC 16-Bit 100MHz 32KB (32K x 8) FLASH 28-SSOP |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | A/D 12x12b, D/A 3x12b                                              | Core Size                       | 16-Bit                                                                                                |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | dsPIC                                                              | Connectivity                    | CANbus, I²C, IrDA, LINbus, SPI, UART/USART                                                            |
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