



DSPIC33CK256MP502T-I/SS

|                     |                                                                                                                                                                                                                                    |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number:        | DSPIC33CK256MP502T-I/SS                                                                                                                                                                                                            |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                                                                                                                                      |
| Product description | 16 BIT DSC, 256KB FLASH, 24KB RA                                                                                                                                                                                                   |
| Datasheets:         |  1.DSPIC33CK256MP502T-I/SS.pdf<br> 2.DSPIC33CK256MP502T-I/SS.pdf |
| Stock Condition     | 25158 pcs stock                                                                                                                                                                                                                    |
| Ship From           | Hong Kong                                                                                                                                                                                                                          |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                                                                                                                                              |

REQUEST FOR QUOTATION

Specifications of DSPIC33CK256MP502T-I/SS

|                                  |                                                                                                                                                                                                                                        |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | DSPIC33CK256MP502T-I/SS                                                                                                                                                                                                                |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                                                                                                                                          |
| DESCRIPTION                      | 16 BIT DSC, 256KB FLASH, 24KB RA                                                                                                                                                                                                       |
| LEAD FREE STATUS / ROHS STATUS   |                                                                                                                                                                                                                                        |
| QUANTITY AVAILABLE               | 25158 pcs                                                                                                                                                                                                                              |
| DATA SHEET                       |  1.DSPIC33CK256MP502T-I/SS.pdf<br> 2.DSPIC33CK256MP502T-I/SS.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 3 V ~ 3.6 V                                                                                                                                                                                                                            |
| SUPPLIER DEVICE PACKAGE          | 28-SSOP                                                                                                                                                                                                                                |
| SPEED                            | 100MHz                                                                                                                                                                                                                                 |
| SERIES                           | dsPIC™ 33CK                                                                                                                                                                                                                            |
| RAM SIZE                         | 24K x 8                                                                                                                                                                                                                                |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                                                                                                                                  |
| PROGRAM MEMORY SIZE              | 256KB (256K x 8)                                                                                                                                                                                                                       |
| PERIPHERALS                      | Brown-out Detect/Reset, DMA, Motor Control PWM, POR, PWM, QEI, WDT                                                                                                                                                                     |
| PACKAGING                        | Tape & Reel (TR)                                                                                                                                                                                                                       |
| PACKAGE / CASE                   | 28-SSOP (0.209", 5.30mm Width)                                                                                                                                                                                                         |
| OTHER NAMES                      | DSPIC33CK256MP502T-I/SSSTR                                                                                                                                                                                                             |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                                                               |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                                                                                                                                                      |
| NUMBER OF I/O                    | 21                                                                                                                                                                                                                                     |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                                                                                                                          |
| EEPROM SIZE                      | -                                                                                                                                                                                                                                      |
| DETAILED DESCRIPTION             | dsPIC dsPIC™ 33CK Microcontroller IC 16-Bit 100MHz 256KB (256K 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                                                                                                                                                                                             |

Related Tags

|                                                       |                                              |                                                                |
|-------------------------------------------------------|----------------------------------------------|----------------------------------------------------------------|
| Micrel / Microchip Technology DSPIC33CK256MP502T-I/SS | DSPIC33CK256MP502T-I/SS Distributor          | DSPIC33CK256MP502T-I/SS Supplier                               |
| DSPIC33CK256MP502T-I/SS Price                         | DSPIC33CK256MP502T-I/SS Pictures             | DSPIC33CK256MP502T-I/SS Image                                  |
| DSPIC33CK256MP502T-I/SS PDF Datasheet                 | DSPIC33CK256MP502T-I/SS Download Datasheet   | DSPIC33CK256MP502T-I/SS Datasheet                              |
| DSPIC33CK256MP502T-I/SS Stock                         | Buy DSPIC33CK256MP502T-I/SS                  | Buy Micrel / Microchip Technology DSPIC33CK256MP502T-I/SS      |
| Micrel / Microchip Technology DSPIC33CK256MP502T-I/SS | Micrel / Microchip Technology Supplier       | Micrel / Microchip Technology Distributor                      |
| Micrel / Microchip Technology DSPIC33CK256MP502T-I/SS | Microchip Technology DSPIC33CK256MP502T-I/SS | Roving Networks / Microchip Technology DSPIC33CK256MP502T-I/SS |

Related Products

|                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                             |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><b>DSPIC33CK256MP502T-I/2N</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: 16 BIT DSC, 256KB FLASH, 24KB RA<br/>In stock: 27240 pcs<br/><div>RFQ</div></div> |  <div><b>DSPIC33CK256MP502-I/2N</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: 16 BIT DSC, 256KB FLASH, 24KB RA<br/>In stock: 28440 pcs<br/><div>RFQ</div></div>  |
|  <div><b>DSPIC33CK256MP503T-I/M5</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: 16 BIT DSC, 256KB FLASH, 24KB RA<br/>In stock: 27456 pcs<br/><div>RFQ</div></div> |  <div><b>DSPIC33CK256MP502-E/SS</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: 16 BIT DSC, 256KB FLASH, 24KB RA<br/>In stock: 20088 pcs<br/><div>RFQ</div></div>  |
|  <div><b>DSPIC33CK256MP208T-I/PT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: 16 BIT DSC, 256KB FLASH, 24KB RA<br/>In stock: 19419 pcs<br/><div>RFQ</div></div> |  <div><b>DSPIC33CK256MP502-I/SS</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: 16 BIT DSC, 256KB FLASH, 24KB RA<br/>In stock: 23799 pcs<br/><div>RFQ</div></div>  |
|  <div><b>DSPIC33CK256MP505-E/PT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: 16 BIT DSC, 256KB FLASH, 24KB RA<br/>In stock: 22042 pcs<br/><div>RFQ</div></div>  |  <div><b>DSPIC33CK256MP505T-I/PT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: 16 BIT DSC, 256KB FLASH, 24KB RA<br/>In stock: 23569 pcs<br/><div>RFQ</div></div> |
|  <div><b>DSPIC33CK256MP505-I/PT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: 16 BIT DSC, 256KB FLASH, 24KB RA<br/>In stock: 23005 pcs<br/><div>RFQ</div></div>  |  <div><b>DSPIC33CK256MP502-E/2N</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: 16 BIT DSC, 256KB FLASH, 24KB RA<br/>In stock: 24970 pcs<br/><div>RFQ</div></div>  |
|  <div><b>DSPIC33CK256MP503-I/M5</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: 16 BIT DSC, 256KB FLASH, 24KB RA<br/>In stock: 24416 pcs<br/><div>RFQ</div></div>  |  <div><b>DSPIC33CK256MP503-E/M5</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: 16 BIT DSC, 256KB FLASH, 24KB RA<br/>In stock: 21064 pcs<br/><div>RFQ</div></div>  |