

MICROCHIP

Micrel / Microchip Technology



Image may be representation. See specifications for product details.

|                     |                                                                                                                                                                                                                                                                                   |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number:        | DSPIC33EP256MC506-E/MR                                                                                                                                                                                                                                                            |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                                                                                                                                                                                     |
| Product description | IC MCU 16BIT 256KB FLASH 64QFN <div> 1.DSPIC33EP256MC506-E/MR.pdf<div> 2.DSPIC33EP256MC506-E/MR.pdf</div></div> |
| Datasheets:         |                                                                                                                                                                                                                                                                                   |
| RoHs Status         |  Lead free / RoHS Compliant                                                                                                                                                                      |
| Stock Condition     | 26981 pcs stock                                                                                                                                                                                                                                                                   |
| Ship From           | Hong Kong                                                                                                                                                                                                                                                                         |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                                                                                                                                                                                             |

REQUEST FOR QUOTATION

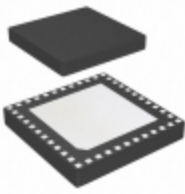
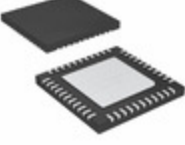
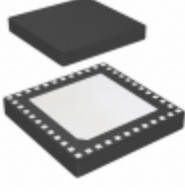
Specifications of DSPIC33EP256MC506-E/MR

|                                  |                                                                                                                                                                                                                                              |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | DSPIC33EP256MC506-E/MR                                                                                                                                                                                                                       |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                                                                                                                                                |
| DESCRIPTION                      | IC MCU 16BIT 256KB FLASH 64QFN                                                                                                                                                                                                               |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                   |
| QUANTITY AVAILABLE               | 26981 pcs                                                                                                                                                                                                                                    |
| DATA SHEET                       |  1.DSPIC33EP256MC506-E/MR.pdf <div> 2.DSPIC33EP256MC506-E/MR.pdf</div> |
| VOLTAGE - SUPPLY (VCC/VDD)       | 3 V ~ 3.6 V                                                                                                                                                                                                                                  |
| SUPPLIER DEVICE PACKAGE          | 64-QFN (9x9)                                                                                                                                                                                                                                 |
| SPEED                            | 60 MIPS                                                                                                                                                                                                                                      |
| SERIES                           | dsPIC™ 33EP                                                                                                                                                                                                                                  |
| RAM SIZE                         | 16K x 16                                                                                                                                                                                                                                     |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                                                                                                                                        |
| PROGRAM MEMORY SIZE              | 256KB (85.5K x 24)                                                                                                                                                                                                                           |
| PERIPHERALS                      | Brown-out Detect/Reset, DMA, Motor Control PWM, POR, PWM, WDT                                                                                                                                                                                |
| PACKAGING                        | Tube                                                                                                                                                                                                                                         |
| PACKAGE / CASE                   | 64-VFQFN Exposed Pad                                                                                                                                                                                                                         |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                                                                     |
| OPERATING TEMPERATURE            | -40°C ~ 125°C (TA)                                                                                                                                                                                                                           |
| NUMBER OF I/O                    | 53                                                                                                                                                                                                                                           |
| MOISTURE SENSITIVITY LEVEL (MSL) | 1 (Unlimited)                                                                                                                                                                                                                                |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                   |
| EEPROM SIZE                      | -                                                                                                                                                                                                                                            |
| DETAILED DESCRIPTION             | dsPIC dsPIC™ 33EP Microcontroller IC 16-Bit 60 MIPS 256KB (85.5K x 24) FLASH 64-QFN (9x9)                                                                                                                                                    |
| DATA CONVERTERS                  | A/D 16x10b/12b                                                                                                                                                                                                                               |
| CORE SIZE                        | 16-Bit                                                                                                                                                                                                                                       |
| CORE PROCESSOR                   | dsPIC                                                                                                                                                                                                                                        |
| CONNECTIVITY                     | CANbus, I²C, IrDA, LINbus, QEI, SPI, UART/USART                                                                                                                                                                                              |
| BASE PART NUMBER                 | DSPIC33EP256MC506                                                                                                                                                                                                                            |

Related Tags

|                                                      |                                             |                                                               |
|------------------------------------------------------|---------------------------------------------|---------------------------------------------------------------|
| Micrel / Microchip Technology DSPIC33EP256MC506-E/MR | DSPIC33EP256MC506-E/MR Distributor          | DSPIC33EP256MC506-E/MR Supplier                               |
| DSPIC33EP256MC506-E/MR Price                         | DSPIC33EP256MC506-E/MR Pictures             | DSPIC33EP256MC506-E/MR Image                                  |
| DSPIC33EP256MC506-E/MR PDF Datasheet                 | DSPIC33EP256MC506-E/MR Download Datasheet   | DSPIC33EP256MC506-E/MR Datasheet                              |
| DSPIC33EP256MC506-E/MR Stock                         | Buy DSPIC33EP256MC506-E/MR                  | Buy Micrel / Microchip Technology DSPIC33EP256MC506-E/MR      |
| Micrel / Microchip Technology DSPIC33EP256MC506-E/MR | Micrel / Microchip Technology Supplier      | Micrel / Microchip Technology Distributor                     |
| Micrel / Microchip Technology DSPIC33EP256MC506-E/MR | Microchip Technology DSPIC33EP256MC506-E/MR | Roving Networks / Microchip Technology DSPIC33EP256MC506-E/MR |

Related Products

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|  <div>DSPIC33EP256MC504T-I/TL</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 256KB FLASH 44VTLA</div> <div>In stock: 5140 pcs</div> <div>RFQ</div>  |  <div>DSPIC33EP256MC504T-I/PT</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 256KB FLASH 44TQFP</div> <div>In stock: 5657 pcs</div> <div>RFQ</div> |
|  <div>DSPIC33EP256MC506-E/PT</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 256KB FLASH 64TQFP</div> <div>In stock: 20860 pcs</div> <div>RFQ</div>  |  <div>DSPIC33EP256MC506T-E/MR</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 256KB FLASH 64QFN</div> <div>In stock: 5427 pcs</div> <div>RFQ</div>  |
|  <div>DSPIC33EP256MC504T-I/MV</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 256KB FLASH 48UQFN</div> <div>In stock: 28856 pcs</div> <div>RFQ</div> |  <div>DSPIC33EP256MC504T-E/PT</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 256KB FLASH 44TQFP</div> <div>In stock: 5995 pcs</div> <div>RFQ</div> |
|  <div>DSPIC33EP256MC506-I/MR</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 256KB FLASH 64QFN</div> <div>In stock: 23219 pcs</div> <div>RFQ</div>   |  <div>DSPIC33EP256MC504T-I/ML</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 256KB FLASH 44QFN</div> <div>In stock: 28455 pcs</div> <div>RFQ</div> |
|  <div>DSPIC33EP256MC506-H/PT</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 256KB FLASH 64TQFP</div> <div>In stock: 5508 pcs</div> <div>RFQ</div>   |  <div>DSPIC33EP256MC504T-E/TL</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 256KB FLASH 44VTLA</div> <div>In stock: 5048 pcs</div> <div>RFQ</div> |
|  <div>DSPIC33EP256MC506-H/MR</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 256KB FLASH 64QFN</div> <div>In stock: 3841 pcs</div> <div>RFQ</div>    |  <div>DSPIC33EP256MC506-I/PT</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 256KB FLASH 64TQFP</div> <div>In stock: 25075 pcs</div> <div>RFQ</div> |