



Micrel / Microchip Technology

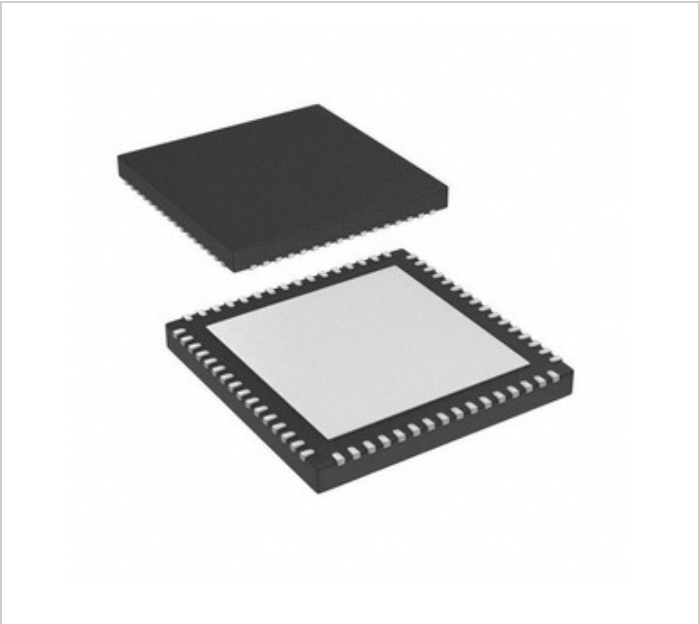


Image may be representation. See specifications for product details.

DSPIC33EP512MC506T-I/MR

|                     |                                                                                                                 |
|---------------------|-----------------------------------------------------------------------------------------------------------------|
| Part Number:        | DSPIC33EP512MC506T-I/MR                                                                                         |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                   |
| Product description | IC MCU 16BIT 512KB FLASH 64QFN                                                                                  |
|                     |  1.DSPIC33EP512MC506T-I/MR.pdf |
|                     |  2.DSPIC33EP512MC506T-I/MR.pdf |
|                     |  3.DSPIC33EP512MC506T-I/MR.pdf |
| Datasheets:         |                                                                                                                 |
| RoHs Status         |  Lead free / RoHS Compliant    |
| Ship From           | Hong Kong                                                                                                       |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                           |

REQUEST FOR QUOTATION

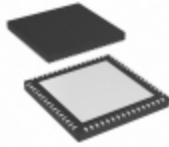
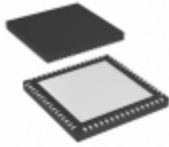
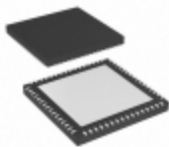
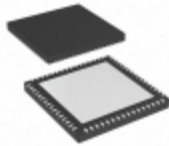
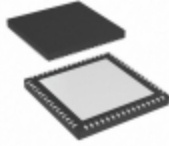
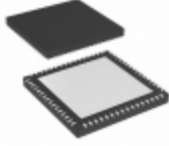
Specifications of DSPIC33EP512MC506T-I/MR

|                                  |                                                                                                                                                                                                                                                                                                                                                             |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | DSPIC33EP512MC506T-I/MR                                                                                                                                                                                                                                                                                                                                     |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                                                                                                                                                                                                                                                               |
| DESCRIPTION                      | IC MCU 16BIT 512KB FLASH 64QFN                                                                                                                                                                                                                                                                                                                              |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                                  |
| DATA SHEET                       |  1.DSPIC33EP512MC506T-I/MR.pdf<br> 2.DSPIC33EP512MC506T-I/MR.pdf<br> 3.DSPIC33EP512MC506T-I/MR.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 3 V ~ 3.6 V                                                                                                                                                                                                                                                                                                                                                 |
| SUPPLIER DEVICE PACKAGE          | 64-QFN (9x9)                                                                                                                                                                                                                                                                                                                                                |
| SPEED                            | 70 MIPS                                                                                                                                                                                                                                                                                                                                                     |
| SERIES                           | dsPIC™ 33EP                                                                                                                                                                                                                                                                                                                                                 |
| RAM SIZE                         | 24K x 16                                                                                                                                                                                                                                                                                                                                                    |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                                                                                                                                                                                                                                                       |
| PROGRAM MEMORY SIZE              | 512KB (170K x 24)                                                                                                                                                                                                                                                                                                                                           |
| PERIPHERALS                      | Brown-out Detect/Reset, DMA, Motor Control PWM, POR, PWM, WDT                                                                                                                                                                                                                                                                                               |
| PACKAGING                        | Tape & Reel (TR)                                                                                                                                                                                                                                                                                                                                            |
| PACKAGE / CASE                   | 64-VFQFN Exposed Pad                                                                                                                                                                                                                                                                                                                                        |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                                                                                                                                                                                    |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                                                                                                                                                                                                                                                                           |
| NUMBER OF I/O                    | 53                                                                                                                                                                                                                                                                                                                                                          |
| MOISTURE SENSITIVITY LEVEL (MSL) | 1 (Unlimited)                                                                                                                                                                                                                                                                                                                                               |
| MANUFACTURER STANDARD LEAD TIME  | 10 Weeks                                                                                                                                                                                                                                                                                                                                                    |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                                  |
| EEPROM SIZE                      | -                                                                                                                                                                                                                                                                                                                                                           |
| DETAILED DESCRIPTION             | dsPIC dsPIC™ 33EP Microcontroller IC 16-Bit 70 MIPS 512KB (170K 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                 | DSPIC33EP512MC506                                                                                                                                                                                                                                                                                                                                           |

Related Tags

|                                                       |                                              |                                                                |
|-------------------------------------------------------|----------------------------------------------|----------------------------------------------------------------|
| Micrel / Microchip Technology DSPIC33EP512MC506T-I/MR | DSPIC33EP512MC506T-I/MR Distributor          | DSPIC33EP512MC506T-I/MR Supplier                               |
| DSPIC33EP512MC506T-I/MR Price                         | DSPIC33EP512MC506T-I/MR Pictures             | DSPIC33EP512MC506T-I/MR Image                                  |
| DSPIC33EP512MC506T-I/MR PDF Datasheet                 | DSPIC33EP512MC506T-I/MR Download Datasheet   | DSPIC33EP512MC506T-I/MR Datasheet                              |
| DSPIC33EP512MC506T-I/MR Stock                         | Buy DSPIC33EP512MC506T-I/MR                  | Buy Micrel / Microchip Technology DSPIC33EP512MC506T-I/MR      |
| Micrel / Microchip Technology DSPIC33EP512MC506T-I/MR | Micrel / Microchip Technology Supplier       | Micrel / Microchip Technology Distributor                      |
| Micrel / Microchip Technology DSPIC33EP512MC506T-I/MR | Microchip Technology DSPIC33EP512MC506T-I/MR | Roving Networks / Microchip Technology DSPIC33EP512MC506T-I/MR |

Related Products

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|  <div><b>DSPIC33EP512MC806T-E/MR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 512KB FLASH 64QFN<br/>In stock: Out stock<br/><div>RFQ</div></div> |  <div><b>DSPIC33EP512MC506-H/MR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 512KB FLASH 64QFN<br/>In stock: Out stock<br/><div>RFQ</div></div>   |
|  <div><b>DSPIC33EP512MC806-I/PT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 512KB FLASH 64TQFP<br/>In stock: 817 pcs<br/><div>RFQ</div></div>   |  <div><b>DSPIC33EP512MC806-E/MR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 512KB FLASH 64QFN<br/>In stock: Out stock<br/><div>RFQ</div></div>   |
|  <div><b>DSPIC33EP512MC506T-E/MR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 512KB FLASH 64QFN<br/>In stock: Out stock<br/><div>RFQ</div></div> |  <div><b>DSPIC33EP512MC506-I/PT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 512KB FLASH 64TQFP<br/>In stock: 354 pcs<br/><div>RFQ</div></div>    |
|  <div><b>DSPIC33EP512MC506-I/MR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 512KB FLASH 64QFN<br/>In stock: Out stock<br/><div>RFQ</div></div>  |  <div><b>DSPIC33EP512MC506T-E/PT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 512KB FLASH 64TQFP<br/>In stock: Out stock<br/><div>RFQ</div></div> |
|  <div><b>DSPIC33EP512MC506-H/PT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 512KB FLASH 64TQFP<br/>In stock: Out stock<br/><div>RFQ</div></div> |  <div><b>DSPIC33EP512MC806-I/MR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 512KB FLASH 64QFN<br/>In stock: 18 pcs<br/><div>RFQ</div></div>      |
|  <div><b>DSPIC33EP512MC806-E/PT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 512KB FLASH 64TQFP<br/>In stock: 122 pcs<br/><div>RFQ</div></div>   |  <div><b>DSPIC33EP512MC506T-I/PT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 512KB FLASH 64TQFP<br/>In stock: Out stock<br/><div>RFQ</div></div> |