



DSPIC33EP512GP502-H/MM

|                     |                                                                                                                |
|---------------------|----------------------------------------------------------------------------------------------------------------|
| Part Number:        | DSPIC33EP512GP502-H/MM                                                                                         |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                  |
| Product description | IC MCU 16BIT 512KB FLASH 28QFN                                                                                 |
|                     |  1.DSPIC33EP512GP502-H/MM.pdf |
|                     |  2.DSPIC33EP512GP502-H/MM.pdf |
|                     |  3.DSPIC33EP512GP502-H/MM.pdf |
| Datasheets:         |                                                                                                                |
| RoHs Status         |  Lead free / RoHS Compliant   |
| Stock Condition     | 17901 pcs stock                                                                                                |
| Ship From           | Hong Kong                                                                                                      |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                          |

REQUEST FOR QUOTATION

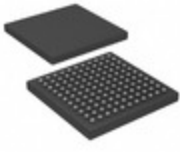
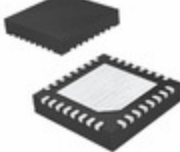
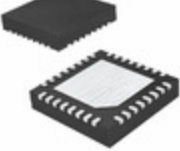
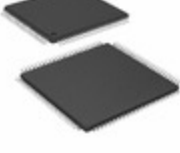
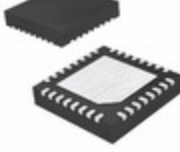
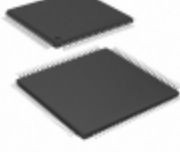
Specifications of DSPIC33EP512GP502-H/MM

|                                  |                                                                                                                                                                                                                                                                                                                                                          |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | DSPIC33EP512GP502-H/MM                                                                                                                                                                                                                                                                                                                                   |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                                                                                                                                                                                                                                                            |
| DESCRIPTION                      | IC MCU 16BIT 512KB FLASH 28QFN                                                                                                                                                                                                                                                                                                                           |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                               |
| QUANTITY AVAILABLE               | 17901 pcs                                                                                                                                                                                                                                                                                                                                                |
| DATA SHEET                       |  1.DSPIC33EP512GP502-H/MM.pdf<br> 2.DSPIC33EP512GP502-H/MM.pdf<br> 3.DSPIC33EP512GP502-H/MM.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 3 V ~ 3.6 V                                                                                                                                                                                                                                                                                                                                              |
| SUPPLIER DEVICE PACKAGE          | 28-QFN-S (6x6)                                                                                                                                                                                                                                                                                                                                           |
| SPEED                            | 60 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, POR, PWM, WDT                                                                                                                                                                                                                                                                                                               |
| PACKAGING                        | Tube                                                                                                                                                                                                                                                                                                                                                     |
| PACKAGE / CASE                   | 28-VQFN Exposed Pad                                                                                                                                                                                                                                                                                                                                      |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                                                                                                                                                                                 |
| OPERATING TEMPERATURE            | -40°C ~ 150°C (TA)                                                                                                                                                                                                                                                                                                                                       |
| NUMBER OF I/O                    | 21                                                                                                                                                                                                                                                                                                                                                       |
| 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 512KB (170K x 24) FLASH 28-QFN-S (6x6)                                                                                                                                                                                                                                                               |
| DATA CONVERTERS                  | A/D 6x10b/12b                                                                                                                                                                                                                                                                                                                                            |
| CORE SIZE                        | 16-Bit                                                                                                                                                                                                                                                                                                                                                   |
| CORE PROCESSOR                   | dsPIC                                                                                                                                                                                                                                                                                                                                                    |
| CONNECTIVITY                     | CANbus, I²C, IrDA, LINbus, SPI, UART/USART                                                                                                                                                                                                                                                                                                               |
| BASE PART NUMBER                 | DSPIC33EP512GP502                                                                                                                                                                                                                                                                                                                                        |

Related Tags

|                                                      |                                             |                                                               |
|------------------------------------------------------|---------------------------------------------|---------------------------------------------------------------|
| Micrel / Microchip Technology DSPIC33EP512GP502-H/MM | DSPIC33EP512GP502-H/MM Distributor          | DSPIC33EP512GP502-H/MM Supplier                               |
| DSPIC33EP512GP502-H/MM Price                         | DSPIC33EP512GP502-H/MM Pictures             | DSPIC33EP512GP502-H/MM Image                                  |
| DSPIC33EP512GP502-H/MM PDF Datasheet                 | DSPIC33EP512GP502-H/MM Download Datasheet   | DSPIC33EP512GP502-H/MM Datasheet                              |
| DSPIC33EP512GP502-H/MM Stock                         | Buy DSPIC33EP512GP502-H/MM                  | Buy Micrel / Microchip Technology DSPIC33EP512GP502-H/MM      |
| Micrel / Microchip Technology DSPIC33EP512GP502-H/MM | Micrel / Microchip Technology Supplier      | Micrel / Microchip Technology Distributor                     |
| Micrel / Microchip Technology DSPIC33EP512GP502-H/MM | Microchip Technology DSPIC33EP512GP502-H/MM | Roving Networks / Microchip Technology DSPIC33EP512GP502-H/MM |

Related Products

|                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                   |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div></div> <div>DSPIC33EP512GP502-H/SO</div> <div>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 512KB FLASH 28SOIC<br/>In stock: 4954 pcs</div> <div>RFQ</div>   | <div></div> <div>DSPIC33EP512GM710T-I/BG</div> <div>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 512KB FLASH 121BGA<br/>In stock: 17239 pcs</div> <div>RFQ</div> |
| <div></div> <div>DSPIC33EP512GP502-E/SO</div> <div>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 512KB FLASH 28SOIC<br/>In stock: 3383 pcs</div> <div>RFQ</div>   | <div></div> <div>DSPIC33EP512GP502T-E/MM</div> <div>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 512KB FLASH 28QFN<br/>In stock: 5873 pcs</div> <div>RFQ</div>   |
| <div></div> <div>DSPIC33EP512GP502-I/MM</div> <div>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 512KB FLASH 28QFN<br/>In stock: 25600 pcs</div> <div>RFQ</div>   | <div></div> <div>DSPIC33EP512GP502-E/SP</div> <div>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 512KB FLASH 28SDIP<br/>In stock: 24292 pcs</div> <div>RFQ</div>  |
| <div></div> <div>DSPIC33EP512GM710T-I/PF</div> <div>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 512KB FLASH 100TQFP<br/>In stock: 6167 pcs</div> <div>RFQ</div> | <div></div> <div>DSPIC33EP512GP502-I/SP</div> <div>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 512KB FLASH 28SDIP<br/>In stock: 28250 pcs</div> <div>RFQ</div>  |
| <div></div> <div>DSPIC33EP512GP502-I/SO</div> <div>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 512KB FLASH 28SOIC<br/>In stock: 20315 pcs</div> <div>RFQ</div>  | <div></div> <div>DSPIC33EP512GP502-E/MM</div> <div>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 512KB FLASH 28QFN<br/>In stock: 17539 pcs</div> <div>RFQ</div>   |
| <div></div> <div>DSPIC33EP512GM710T-I/PT</div> <div>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 512KB FLASH 100TQFP<br/>In stock: 6592 pcs</div> <div>RFQ</div> | <div></div> <div>DSPIC33EP512GP502-H/SP</div> <div>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 512KB FLASH 28SDIP<br/>In stock: 17236 pcs</div> <div>RFQ</div>  |