




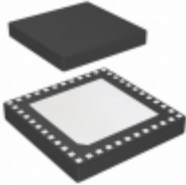
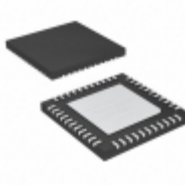


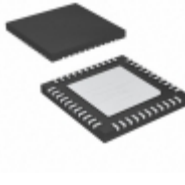

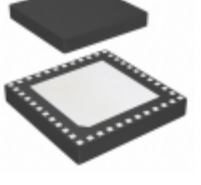
|                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <h2>DSPIC33EP512MC204T-E/TL</h2>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|                                                                                  | <p><b>Manufacturer Part Number:</b> DSPIC33EP512MC204T-E/TL</p> <p><b>Manufacturer/Brand:</b> Micrel / Microchip Technology</p> <p><b>Part of Description:</b> IC MCU 16BIT 512KB FLASH 44VTLA</p> <p><b>Datasheets:</b></p> <ul style="list-style-type: none"> <li><a href="#">1.DSPIC33EP512MC204T-E/TL.pdf</a></li> <li><a href="#">2.DSPIC33EP512MC204T-E/TL.pdf</a></li> <li><a href="#">3.DSPIC33EP512MC204T-E/TL.pdf</a></li> </ul> <p><b>RoHs Status:</b>  Lead free / RoHS</p> <p><b>Stock Condition:</b>  New original, Stock Available.</p> <p><b>Ship From:</b> Hong Kong</p> <p><b>Shipment Way:</b> DHL/Fedex/TNT/UPS/EMS</p> |
| <p>Image may be representation.<br/>See specs for product details.</p>           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

### Specifications

|                            |                                                         |
|----------------------------|---------------------------------------------------------|
| Part Number                | DSPIC33EP512MC204T-E/TL                                 |
| Manufacturer               | Micrel / Microchip Technology                           |
| Description                | IC MCU 16BIT 512KB FLASH 44VTLA                         |
| Category                   | Integrated Circuits (ICs) > Embedded - Microcontrollers |
| Part Status                | Require For Quote & Check Stock                         |
| Series                     | dsPIC™ 33EP                                             |
| Operating Temperature      | -40°C ~ 125°C (TA)                                      |
| Package / Case             | 44-VFTLA Exposed Pad                                    |
| Supplier Device Package    | 44-VTLA (6x6)                                           |
| Peripherals                | Brown-out Detect/Reset, DMA, Motor Control PWM,         |
| Core Processor             | dsPIC                                                   |
| Speed                      | 60 MIPS                                                 |
| Number of I/O              | 35                                                      |
| EEPROM Size                | -                                                       |
| RAM Size                   | 24K x 16                                                |
| Core Size                  | 16-Bit                                                  |
| Connectivity               | I <sup>2</sup> C, IrDA, LIN, QEI, SPI, UART/USART       |
| Program Memory Size        | 512KB (170K x 24)                                       |
| Program Memory Type        | FLASH                                                   |
| Voltage - Supply (Vcc/Vdd) | 3 V ~ 3.6 V                                             |
| Data Converters            | A/D 9x10b/12b                                           |
| Oscillator Type            | Internal                                                |
| Packaging                  | Tape & Reel (TR)                                        |

DSPIC33EP512MC204T-E/TL is New Original in Stock, Search DSPIC33EP512MC204T-E/TL Datasheets, PDF, Inventory at Y-IC.com Online, Order DSPIC33EP512MC204T-E/TL Micrel / Microchip Technology with warrantied and confidence. RFQ DSPIC33EP512MC204T-E/TL : Info@Y-IC.com

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>In:</b></p>  <p><b>DSPIC33EP512MC204-I/TL</b><br/>Micrel / Microchip Technology<br/>IC MCU 16BIT 512KB FLASH<br/>44VTLA</p> |  <p><b>DSPIC33EP512MC204T-E/ML</b><br/>Micrel / Microchip Technology<br/>IC MCU 16BIT 512KB FLASH<br/>44QFN</p> |  <p><b>DSPIC33EP512MC204T-E/PT</b><br/>Micrel / Microchip Technology<br/>IC MCU 16BIT 512KB FLASH<br/>44TQFP</p> |  <p><b>DSPIC33EP512MC204T-I/MV</b><br/>Micrel / Microchip Technology<br/>IC MCU 16BIT 512KB FLASH<br/>48UQFN</p> |
|  <p><b>DSPIC33EP512MC204T-I/PT</b><br/>Micrel / Microchip Technology<br/>IC MCU 16BIT 512KB FLASH<br/>44TQFP</p>                  |  <p><b>DSPIC33EP512MC204T-I/ML</b><br/>Micrel / Microchip Technology<br/>IC MCU 16BIT 512KB FLASH<br/>44QFN</p> |  <p><b>DSPIC33EP512MC204-I/MV</b><br/>Micrel / Microchip Technology<br/>IC MCU 16BIT 512KB FLASH<br/>48UQFN</p>  |  <p><b>DSPIC33EP512MC204T-I/TL</b><br/>Micrel / Microchip Technology<br/>IC MCU 16BIT 512KB FLASH<br/>44VTLA</p> |

### Hot Parts

More

|                   |                    |                     |                     |                    |
|-------------------|--------------------|---------------------|---------------------|--------------------|
| 06035A110GAT2A    | 12061C102M4T4A     | 1812HC151KAT1A\SB   | D 6MBP160RTF060-01  | AD7893AR-2REEL     |
| AD8013AR-14-REEL7 | ADR4520ARZ         | D AM1469V50         | ATBM8869T           | BAT54AWFILM        |
| BH3868CFS-E2      | BSTP6560           | C3225C0G2W223K230AA | C3225X7R1H155K200AA | CDRH4D22HPNP-6R3NC |
| D CSHD6-60CTR13   | DS3502U+TR/C       | DW25-24S15          | EL1503CM-T13        | ELM99351B-S        |
| FL7734MX          | GCM1885C1H511JA16D | ILQ615-1X009        | L78M18CDT-TR        | LBAT54LT1G         |
| LM75CIM-5         | MAX5026EUT         | D MC68HC908GR8AVFA  | MCP111T-315E/MB     | MIC4575-3.3WU      |
| MMBF4393          | NTD5806NT4G        | OXUFS936QSE-PBAG    | PEF4268FV1.2        | PM400DZ-24         |
| PS8821-1-F3-A     | RC0603FR-0710KL    | SD14-220-R          | SI7431DP-T1-GE3     | SK300GA100DC       |
| SN74ALS241CDWR    | SN75207BN          | SP5730A/KG/MP1T     | D SPB100N06S2-05    | SR2P131F           |
| TAJA226K006RNJ    | TMP86PS25FG        | V48A28C500B3        | V8P6-M3/86A         | W4713HL300         |

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