



## DSPIC33EP512MC206T-E/PT

**Manufacturer Part Number:** DSPIC33EP512MC206T-E/PT

**Manufacturer/Brand:** Micrel / Microchip Technology

**Part of Description:** IC MCU 16BIT 512KB FLASH 64TQFP

**Datasheets:**

- [1.DSPIC33EP512MC206T-E/PT.pdf](#)
- [2.DSPIC33EP512MC206T-E/PT.pdf](#)
- [3.DSPIC33EP512MC206T-E/PT.pdf](#)

**RoHS Status:** Lead free / RoHS

**Stock Condition:** New original, Stock Available.

**Ship From:** Hong Kong

**Shipment Way:** DHL/Fedex/TNT/UPS/EMS

Image may be representation.  
See specs for product details.

### Specifications

Part Number	DSPIC33EP512MC206T-E/PT
Manufacturer	Micrel / Microchip Technology
Description	IC MCU 16BIT 512KB FLASH 64TQFP
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	64-TQFP
Supplier Device Package	64-TQFP (10x10)
Peripherals	Brown-out Detect/Reset, DMA, Motor Control PWM,
Core Processor	dsPIC
Speed	60 MIPS
Number of I/O	53
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 16x10b/12b
Oscillator Type	Internal
Packaging	Tape & Reel (TR)

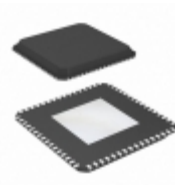
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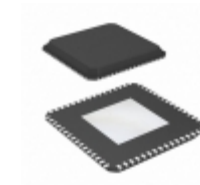
**DSPIC33EP512MC502-E/SP**  
Micrel / Microchip Technology  
IC MCU 16BIT 512KB FLASH  
28SDIP



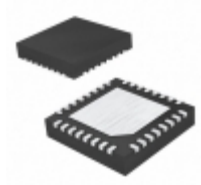
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|----------------------|---------------------|--------------------|---------------------|---------------------|
| 06033C273KAT4A       | 0603YA820KAT2A      | AD5820BCBZ-REEL7   | AP1501A-12T5        | AP4310AM-E1         |
| AS1353-28-T          | ATA5830N            | ATF10136TR1G       | B39360-X7253-N201   | BA7623F-E2          |
| BU21023GUL-E2        | C1005C0G2A121J050BA | C2012X7R1H222M     | C2012X7S2A105K125AB | CC0402KRX6S5BB105   |
| CGA8L2NP01H683J160KA | EC10UA20-TE12L      | GRM0335C2A8R7DA01D | GRM1885C2A150JA01D  | IHLP2020ABER2R2M01  |
| IP-B01-CX            | IP-J61-EX           | IRLR014TRLPBFB     | LTC1404CS8          | LTC4150CMS#TRPBF    |
| MC145481DWR2         | MC68HC785P6ACDW     | MC74HC175DR2       | MC74LVX573DTR2      | MC908GZ32VFAE       |
| MCP9509HT-E/OT       | MMSZ5258B-TP        | MP1591DN-LF-Z      | N1600DH10GOO        | NTD20N03RT4G        |
| P215CH04FP0          | PD150-048-05-PC     | RT3Y97M-T111-1     | S29GL128P10TFI010   | SF10402-050E330P-LF |
| SI2301BDS-E3         | SI4447DY-T1-GE3     | SI4630DY-T1-E3     | SKM50GAL101D        | SSA33L-E3/5AT       |
| STN1NB80             | STP16C596           | TAJC106M016RNJ     | USX2065-JZX-TR      | WSL1206R0220FEA     |

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