



## DSPIC33EP512MC506T-I/MR

**Manufacturer Part Number:** DSPIC33EP512MC506T-I/MR

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

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

**Datasheets:**

- [1.DSPIC33EP512MC506T-I/MR.pdf](#)
- [2.DSPIC33EP512MC506T-I/MR.pdf](#)
- [3.DSPIC33EP512MC506T-I/MR.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	DSPIC33EP512MC506T-I/MR
Manufacturer	Micrel / Microchip Technology
Description	IC MCU 16BIT 512KB FLASH 64QFN
Category	Integrated Circuits (ICs) > Embedded - Microcontrollers
Part Status	Require For Quote & Check Stock
Series	dsPIC™ 33EP
Operating Temperature	-40°C ~ 85°C (TA)
Package / Case	64-VFQFN Exposed Pad
Supplier Device Package	64-QFN (9x9)
Peripherals	Brown-out Detect/Reset, DMA, Motor Control PWM,
Core Processor	dsPIC
Speed	70 MIPS
Number of I/O	53
EEPROM Size	-
RAM Size	24K x 16
Core Size	16-Bit
Connectivity	CAN, 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)

DSPIC33EP512MC506T-I/MR is New Original in Stock, Search DSPIC33EP512MC506T-I/MR Datasheets, PDF, Inventory at Y-IC.com Online, Order DSPIC33EP512MC506T-I/MR Micrel / Microchip Technology with warrantied and confidence. RFQ DSPIC33EP512MC506T-I/MR : Info@Y-IC.com

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### Hot Parts

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|----------------|---------------------|-------------------|----------------------|------------------|
| 06033A331K4T2A | 1SMB5936BT3G        | 756504012         | D ACF321825-682-T    | ACPL-796J-500E   |
| APA0711KI-TRL  | BQ2057DGKRG4        | D BU1008ADF       | C0603C0G1E6R8B030BG  | C11AH100G9ZXLT   |
| CAT809RTBI-T3  | CC0603JRNPO0BN151   | CC0805KRX7R0BB471 | CGA6M3X8R2A474M200AE | DCK-3R3E204T614E |
| D DDZ9V1CSF-7  | DLW5ATN331MQ2B      | DMG4496SSS        | DMN3115UDM-7         | DP150D1700T      |
| EL7457CUZ      | ESD5V3S1U-02LRH     | HS18A3F06         | LE58QL021VC          | LM1247DEB/NA     |
| MAX6653AEE+T   | MCR100L-6           | D MMG100HB060B6EN | MMUN2133RLT1         | MRF1047T1G       |
| MTP30N06       | D NP36N055SHE-E1-AY | NTD3055L104-1G    | PAH450S48-28         | PCM1804S1DBR     |
| PMBT8550       | RP110N281D-TR-FE    | RP150K006A-TR     | SK24A-TR             | SN10KHT5543DW    |
| SP708TEN-L/TR  | TCD1200P            | TDA16888          | D TPA2005D1DRBRG4    | UCC2808APWTR-2   |
| V110C12C150BN  | V375B48C250B        | VO615A-5          | WPCN385LAODG         | ZXT2MATC         |

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