

DSPIC33CK128MP206T-I/PT



Part Number: [DSPIC33CK128MP206T-I/PT](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: 16 BIT DSC, 128KB FLASH, 16KB RA

Data sheet:  
 [dsPIC33CK256MP508 Family Programming Specification](#)  
 [dsPIC33CK256MP508 Family Datasheet](#)

RoHs Status:

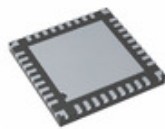
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                           |                                  |                                                                                                                          |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|----------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | DSPIC33CK128MP206T-I/PT                                                                   | Manufacturer                     | <a href="#">Micrel / Microchip Technology</a>                                                                            |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 16 BIT DSC, 128KB FLASH, 16KB RA                                                          | Lead Free Status / RoHS Status   |                                                                                                                          |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 29937 pcs                                                                                 | Data sheet                       | <a href="#">dsPIC33CK256MP508 Family Programming Specification</a><br><a href="#">dsPIC33CK256MP508 Family Datasheet</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <a href="#">Integrated Circuits (ICs)</a>                                                 | Voltage - Supply (Vcc/Vdd)       | 3 V ~ 3.6 V                                                                                                              |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 64-TQFP (10x10)                                                                           | Speed                            | 100MHz                                                                                                                   |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | dsPIC™ 33CK                                                                               | RAM Size                         | 16K x 8                                                                                                                  |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | FLASH                                                                                     | Program Memory Size              | 128KB (128K x 8)                                                                                                         |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Brown-out Detect/Reset, DMA, Motor Control PWM, POR, PWM, QEI, WDT                        | Packaging                        | Tape & Reel (TR)                                                                                                         |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 64-TQFP                                                                                   | Other Names                      | DSPIC33CK128MP206T-I/PTTR                                                                                                |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Internal                                                                                  | Operating Temperature            | -40°C ~ 85°C (TA)                                                                                                        |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 53                                                                                        | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                                                            |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 18 Weeks                                                                                  | EEPROM Size                      | -                                                                                                                        |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | dsPIC dsPIC™ 33CK Microcontroller IC 16-Bit 100MHz 128KB (128K x 8) FLASH 64-TQFP (10x10) | Data Converters                  | A/D 20x12b, D/A 3x12b                                                                                                    |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 16-Bit                                                                                    | Core Processor                   | dsPIC                                                                                                                    |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | I²C, IrDA, LINbus, SPI, UART/USART                                                        |                                  |                                                                                                                          |
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| RELATED PRODUCTS                                                                   |                                                                                                 |                                                              |     |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|--------------------------------------------------------------|-----|
|  | Part#: <a href="#">DSPIC33CK128MP503-E/M5</a><br>Description: 16 BIT DSC, 128KB FLASH, 16KB RA  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | RFQ |
|  | Part#: <a href="#">DSPIC33CK128MP502T-I/SS</a><br>Description: 16 BIT DSC, 128KB FLASH, 16KB RA | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | RFQ |
|  | Part#: <a href="#">DSPIC33CK128MP208-I/PT</a><br>Description: 16 BIT DSC, 128KB FLASH, 16KB RA  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | RFQ |
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|  | Part#: <a href="#">DSPIC33CK128MP203T-I/M5</a><br>Description: 16 BIT DSC, 128KB FLASH, 16KB RA | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | RFQ |
|  | Part#: <a href="#">DSPIC33CK128MP206-I/MR</a><br>Description: 16 BIT DSC, 128KB FLASH, 16KB RA  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | RFQ |
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