

DSPIC33CK128MP206-I/PT



Part Number: [DSPIC33CK128MP206-I/PT](#)

Manufacturer: [Micrel / Microchip Technology](#)

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

Data sheet:

RoHs Status:

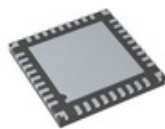
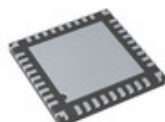
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                    |                                 |                                                                                           |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|---------------------------------|-------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | DSPIC33CK128MP206-I/PT                                             | Manufacturer                    | <a href="#">Micrel / Microchip Technology</a>                                             |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 16 BIT DSC, 128KB FLASH, 16KB RA                                   | Lead Free Status / RoHS Status  |                                                                                           |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 27132 pcs                                                          | Data sheet                      |                                                                                           |
| 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                       | Tray                                                                                      |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 64-TQFP                                                            | 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                                                                   |                                                                                                 |                                                              |                |
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|  | Part#: <a href="#">DSPIC33CK128MP203-E/M5</a><br>Description: 16 BIT DSC, 128KB FLASH, 16KB RA  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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