



DSPIC33EP128GM310-E/PF

|                     |                                                                                                                |
|---------------------|----------------------------------------------------------------------------------------------------------------|
| Part Number:        | DSPIC33EP128GM310-E/PF                                                                                         |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                  |
| Product description | IC MCU 16BIT 128KB FLASH 100TQFP                                                                               |
|                     |  1.DSPIC33EP128GM310-E/PF.pdf |
|                     |  2.DSPIC33EP128GM310-E/PF.pdf |
| Datasheets:         |                                                                                                                |
| RoHs Status         |  Lead free / RoHS Compliant   |
| Ship From           | Hong Kong                                                                                                      |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                          |

REQUEST FOR QUOTATION

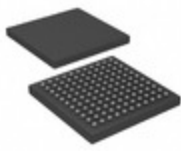
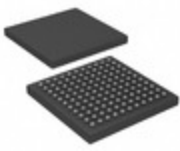
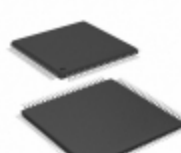
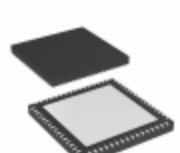
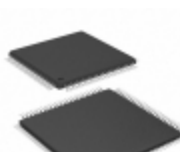
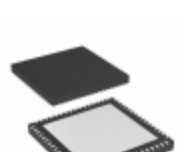
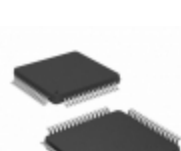
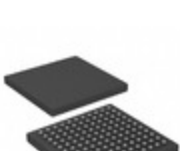
Specifications of DSPIC33EP128GM310-E/PF

|                                  |                                                                                                                                                                                                                                      |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | DSPIC33EP128GM310-E/PF                                                                                                                                                                                                               |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                                                                                                                                        |
| DESCRIPTION                      | IC MCU 16BIT 128KB FLASH 100TQFP                                                                                                                                                                                                     |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                           |
| DATA SHEET                       |  1.DSPIC33EP128GM310-E/PF.pdf<br> 2.DSPIC33EP128GM310-E/PF.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 3 V ~ 3.6 V                                                                                                                                                                                                                          |
| SUPPLIER DEVICE PACKAGE          | 100-TQFP (14x14)                                                                                                                                                                                                                     |
| SPEED                            | 60 MIPs                                                                                                                                                                                                                              |
| SERIES                           | dsPIC™ 33EP                                                                                                                                                                                                                          |
| RAM SIZE                         | 16K x 8                                                                                                                                                                                                                              |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                                                                                                                                |
| PROGRAM MEMORY SIZE              | 128KB (43K x 24)                                                                                                                                                                                                                     |
| PERIPHERALS                      | Brown-out Detect/Reset, DMA, I²S, Motor Control PWM, POR, PWM, WDT                                                                                                                                                                   |
| PACKAGING                        | Tray                                                                                                                                                                                                                                 |
| PACKAGE / CASE                   | 100-TQFP                                                                                                                                                                                                                             |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                                                             |
| OPERATING TEMPERATURE            | -40°C ~ 125°C (TA)                                                                                                                                                                                                                   |
| NUMBER OF I/O                    | 85                                                                                                                                                                                                                                   |
| MOISTURE SENSITIVITY LEVEL (MSL) | 1 (Unlimited)                                                                                                                                                                                                                        |
| MANUFACTURER STANDARD LEAD TIME  | 12 Weeks                                                                                                                                                                                                                             |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                           |
| EEPROM SIZE                      | -                                                                                                                                                                                                                                    |
| DETAILED DESCRIPTION             | dsPIC dsPIC™ 33EP Microcontroller IC 16-Bit 60 MIPs 128KB (43K x 24) FLASH 100-TQFP (14x14)                                                                                                                                          |
| DATA CONVERTERS                  | A/D 49x10b/12b                                                                                                                                                                                                                       |
| CORE SIZE                        | 16-Bit                                                                                                                                                                                                                               |
| CORE PROCESSOR                   | dsPIC                                                                                                                                                                                                                                |
| CONNECTIVITY                     | I²C, IrDA, LINbus, QEI, SPI, UART/USART                                                                                                                                                                                              |
| BASE PART NUMBER                 | DSPIC33EP128GM310                                                                                                                                                                                                                    |

Related Tags

|                                                      |                                             |                                                               |
|------------------------------------------------------|---------------------------------------------|---------------------------------------------------------------|
| Micrel / Microchip Technology DSPIC33EP128GM310-E/PF | DSPIC33EP128GM310-E/PF Distributor          | DSPIC33EP128GM310-E/PF Supplier                               |
| DSPIC33EP128GM310-E/PF Price                         | DSPIC33EP128GM310-E/PF Pictures             | DSPIC33EP128GM310-E/PF Image                                  |
| DSPIC33EP128GM310-E/PF PDF Datasheet                 | DSPIC33EP128GM310-E/PF Download Datasheet   | DSPIC33EP128GM310-E/PF Datasheet                              |
| DSPIC33EP128GM310-E/PF Stock                         | Buy DSPIC33EP128GM310-E/PF                  | Buy Micrel / Microchip Technology DSPIC33EP128GM310-E/PF      |
| Micrel / Microchip Technology DSPIC33EP128GM310-E/PF | Micrel / Microchip Technology Supplier      | Micrel / Microchip Technology Distributor                     |
| Micrel / Microchip Technology DSPIC33EP128GM310-E/PF | Microchip Technology DSPIC33EP128GM310-E/PF | Roving Networks / Microchip Technology DSPIC33EP128GM310-E/PF |

Related Products

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| <div></div> <div>DSPIC33EP128GM310-I/BG</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 128KB FLASH 121BGA</div> <div>In stock: Out stock</div> <div>RFQ</div>  | <div></div> <div>DSPIC33EP128GM310-H/BG</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 128KB FLASH 121BGA</div> <div>In stock: Out stock</div> <div>RFQ</div>  |
| <div></div> <div>DSPIC33EP128GM306-I/PT</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 128KB FLASH 64TQFP</div> <div>In stock: 178 pcs</div> <div>RFQ</div>    | <div></div> <div>DSPIC33EP128GM310-H/PF</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 128KB FLASH 100TQFP</div> <div>In stock: Out stock</div> <div>RFQ</div> |
| <div></div> <div>DSPIC33EP128GM310-H/PT</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 128KB FLASH 100TQFP</div> <div>In stock: Out stock</div> <div>RFQ</div> | <div></div> <div>DSPIC33EP128GM306T-I/MR</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 128KB FLASH 64QFN</div> <div>In stock: Out stock</div> <div>RFQ</div>  |
| <div></div> <div>DSPIC33EP128GM310-I/PF</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 128KB FLASH 100TQFP</div> <div>In stock: 264 pcs</div> <div>RFQ</div>   | <div></div> <div>DSPIC33EP128GM310-E/PT</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 128KB FLASH 100TQFP</div> <div>In stock: Out stock</div> <div>RFQ</div> |
| <div></div> <div>DSPIC33EP128GM306T-I/PT</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 128KB FLASH 64TQFP</div> <div>In stock: Out stock</div> <div>RFQ</div> | <div></div> <div>DSPIC33EP128GM306-I/MR</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 128KB FLASH 64QFN</div> <div>In stock: Out stock</div> <div>RFQ</div>   |
| <div></div> <div>DSPIC33EP128GM306-H/PT</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 128KB FLASH 64TQFP</div> <div>In stock: Out stock</div> <div>RFQ</div>  | <div></div> <div>DSPIC33EP128GM310-E/BG</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 128KB FLASH 121BGA</div> <div>In stock: Out stock</div> <div>RFQ</div>  |