

DSPIC33EP128GM710T-I/PT





Part Number:

DSPIC33EP128GM710T-I/PT

Manufacturer:

Micrel / Microchip Technology

Description:

IC MCU 16BIT 128KB FLASH 100TQFP

Data sheet:

 [dsPIC33EPyyyGM3yy,6yy,7yy](#)

 [dsPIC33EPyyyGM3,6,7 Family Errata](#)

RoHs Status:

Lead free / RoHS Compliant

Ship From:

Hong Kong

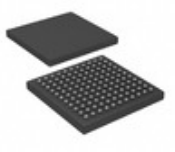
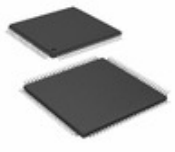
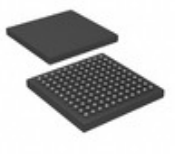
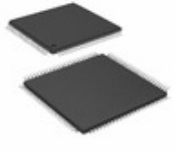
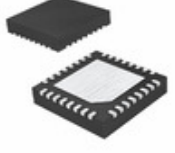
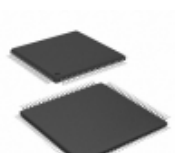
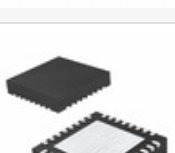
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                 |                                |                                                                                                |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|--------------------------------|------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | DSPIC33EP128GM710T-I/PT                                                         | Manufacturer                   | <a href="#">Micrel / Microchip Technology</a>                                                  |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | IC MCU 16BIT 128KB FLASH 100TQFP                                                | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                     |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 5518 pcs                                                                        | Data sheet                     | <a href="#">dsPIC33EPyyvGM3yy,6yy,7yy</a><br><a href="#">dsPIC33EPyyvGM3,6,7 Family Errata</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <a href="#">Integrated Circuits (ICs)</a>                                       | Voltage - Supply (Vcc/Vdd)     | 3 V ~ 3.6 V                                                                                    |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 100-TQFP (12x12)                                                                | Speed                          | 70 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, I <sup>2</sup> S, Motor Control PWM, POR, PWM, WDT | Packaging                      | Tape & Reel (TR)                                                                               |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 100-TQFP                                                                        | Oscillator Type                | Internal                                                                                       |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | -40°C ~ 85°C (TA)                                                               | Number of I/O                  | 85                                                                                             |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 3 (168 Hours)                                                                   | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                     |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -                                                                               | Detailed Description           | dsPIC dsPIC™ 33EP Microcontroller IC 16-Bit 70 MIPs 128KB (43K x 24) FLASH 100-TQFP (12x12)    |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | A/D 49x10b/12b                                                                  | Core Size                      | 16-Bit                                                                                         |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | dsPIC                                                                           | Connectivity                   | CANbus, I <sup>2</sup> C, IrDA, LINbus, QEI, SPI, UART/USART                                   |
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| RELATED PRODUCTS                                                                   |                                                                                                 |                                                              |                |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------|
|  | Part#: <a href="#">DSPIC33EP128GM710-H/BG</a><br>Description: IC MCU 16BIT 128KB FLASH 121BGA   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33EP128GM710-H/PF</a><br>Description: IC MCU 16BIT 128KB FLASH 100TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">DSPIC33EP128GP502-E/SS</a><br>Description: IC MCU 16BIT 128KB FLASH 28SSOP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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