

DSPIC33EP128GS804-E/PT





Part Number:

DSPIC33EP128GS804-E/PT

Manufacturer:

Micrel / Microchip Technology

Description:

IC MCU 16BIT 128KB FLASH 44TQFP

Data sheet:

 [dsPIC33EPyyyGS70x,80x Family](#)

 [dsPIC33EPyyyGS70x,80x Errata](#)

RoHs Status:

Lead free / RoHS Compliant

Ship From:

Hong Kong

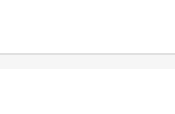
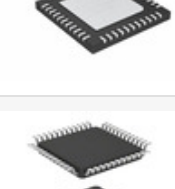
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                  |                                 |                                                                                              |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|---------------------------------|----------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | DSPIC33EP128GS804-E/PT                                                                                           | Manufacturer                    | <a href="#">Micrel / Microchip Technology</a>                                                |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | IC MCU 16BIT 128KB FLASH 44TQFP                                                                                  | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant                                                                   |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 18531 pcs                                                                                                        | Data sheet                      | <a href="#">dsPIC33EPyyyGS70x,80x Family</a><br><a href="#">dsPIC33EPyyyGS70x,80x Errata</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <a href="#">Integrated Circuits (ICs)</a>                                                                        | Voltage - Supply (Vcc/Vdd)      | 3V ~ 3.6 V                                                                                   |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 44-TQFP (10x10)                                                                                                  | Speed                           | 60 MIPs                                                                                      |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Automotive, AEC-Q100, dsPIC™ 33EP                                                                                | RAM Size                        | 8K x 8                                                                                       |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | FLASH                                                                                                            | Program Memory Size             | 128KB (43K x 24)                                                                             |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Brown-out Detect/Reset, DMA, I <sup>2</sup> S, POR, PWM, WDT                                                     | Packaging                       | Tray                                                                                         |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 44-TQFP                                                                                                          | Oscillator Type                 | Internal                                                                                     |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | -40°C ~ 125°C (TA)                                                                                               | Number of I/O                   | 33                                                                                           |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1 (Unlimited)                                                                                                    | Manufacturer Standard Lead Time | 13 Weeks                                                                                     |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Lead free / RoHS Compliant                                                                                       | EEPROM Size                     | -                                                                                            |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | dsPIC Automotive, AEC-Q100, dsPIC™ 33EP Microcontroller IC 16-Bit 60 MIPs 128KB (43K x 24) FLASH 44-TQFP (10x10) | Data Converters                 | A/D 17x12b, D/A 1x12b                                                                        |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 16-Bit                                                                                                           | Core Processor                  | dsPIC                                                                                        |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | CANbus, I <sup>2</sup> C, IrDA, LINbus, SPI, UART/USART                                                          |                                 |                                                                                              |
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| RELATED PRODUCTS                                                                   |                                                                                                |                                                              |                |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------|
|  | Part#: <a href="#">DSPIC33EP128GS705-I/PT</a><br>Description: IC MCU 16BIT 128KB FLASH 48TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">DSPIC33EP128GS806T-I/PT</a><br>Description: IC MCU 16BIT 128KB FLASH 64TQFP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">DSPIC33EP128GS708T-I/PT</a><br>Description: IC MCU 16BIT 128KB FLASH 80TQFP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">DSPIC33EP128GS804-I/ML</a><br>Description: IC MCU 16BIT 128KB FLASH 44VQFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">DSPIC33EP128GS806-E/PT</a><br>Description: IC MCU 16BIT 128KB FLASH 64TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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