



### DSPIC33EV128GM002-E/SP

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| Part Number:        | DSPIC33EV128GM002-E/SP                                                                                                                                                                                                                                                                                                                                                                                        |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                                                                                                                                                                                                                                                                                                                 |
| Product description | IC MCU 16BIT 128KB FLASH 28SDIP <div> 1.DSPIC33EV128GM002-E/SP.pdf</div> <div> 2.DSPIC33EV128GM002-E/SP.pdf</div> <div> 3.DSPIC33EV128GM002-E/SP.pdf</div> |
| Datasheets:         |                                                                                                                                                                                                                                                                                                                                                                                                               |
| RoHs Status         |  Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                  |
| Ship From           | Hong Kong                                                                                                                                                                                                                                                                                                                                                                                                     |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                                                                                                                                                                                                                                                                                                                         |

REQUEST FOR QUOTATION

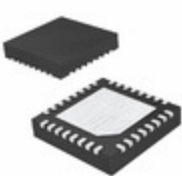
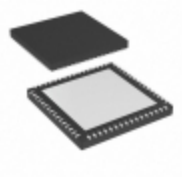
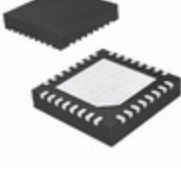
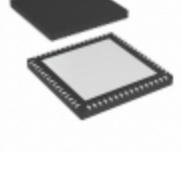
#### Specifications of DSPIC33EV128GM002-E/SP

|                                  |                                                                                                                                                                                                                                                                                                                                                                                     |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | DSPIC33EV128GM002-E/SP                                                                                                                                                                                                                                                                                                                                                              |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                                                                                                                                                                                                                                                                                       |
| DESCRIPTION                      | IC MCU 16BIT 128KB FLASH 28SDIP                                                                                                                                                                                                                                                                                                                                                     |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                                                          |
| DATA SHEET                       | <div> 1.DSPIC33EV128GM002-E/SP.pdf</div> <div> 2.DSPIC33EV128GM002-E/SP.pdf</div> <div> 3.DSPIC33EV128GM002-E/SP.pdf</div> |
| VOLTAGE - SUPPLY (VCC/VDD)       | 4.5 V ~ 5.5 V                                                                                                                                                                                                                                                                                                                                                                       |
| SUPPLIER DEVICE PACKAGE          | 28-SPDIP                                                                                                                                                                                                                                                                                                                                                                            |
| SPEED                            | 60 MIPs                                                                                                                                                                                                                                                                                                                                                                             |
| SERIES                           | Automotive, AEC-Q100, dsPIC™ 33EV                                                                                                                                                                                                                                                                                                                                                   |
| RAM SIZE                         | 8K x 8                                                                                                                                                                                                                                                                                                                                                                              |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                                                                                                                                                                                                                                                                               |
| PROGRAM MEMORY SIZE              | 128KB (43K x 24)                                                                                                                                                                                                                                                                                                                                                                    |
| PERIPHERALS                      | Brown-out Detect/Reset, DMA, Motor Control PWM, POR, PWM, WDT                                                                                                                                                                                                                                                                                                                       |
| PACKAGING                        | Tube                                                                                                                                                                                                                                                                                                                                                                                |
| PACKAGE / CASE                   | 28-DIP (0.300", 7.62mm)                                                                                                                                                                                                                                                                                                                                                             |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                                                                                                                                                                                                            |
| OPERATING TEMPERATURE            | -40°C ~ 125°C (TA)                                                                                                                                                                                                                                                                                                                                                                  |
| NUMBER OF I/O                    | 21                                                                                                                                                                                                                                                                                                                                                                                  |
| 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 Automotive, AEC-Q100, dsPIC™ 33EV Microcontroller IC 16-Bit 60 MIPs 128KB (43K x 24) FLASH 28-SPDIP                                                                                                                                                                                                                                                                           |
| DATA CONVERTERS                  | A/D 11x10/12b                                                                                                                                                                                                                                                                                                                                                                       |
| CORE SIZE                        | 16-Bit                                                                                                                                                                                                                                                                                                                                                                              |
| CORE PROCESSOR                   | dsPIC                                                                                                                                                                                                                                                                                                                                                                               |
| CONNECTIVITY                     | I²C, IrDA, LINbus, SPI, UART/USART                                                                                                                                                                                                                                                                                                                                                  |
| BASE PART NUMBER                 | DSPIC33EV128                                                                                                                                                                                                                                                                                                                                                                        |

#### Related Tags

|                                                      |                                             |                                                               |
|------------------------------------------------------|---------------------------------------------|---------------------------------------------------------------|
| Micrel / Microchip Technology DSPIC33EV128GM002-E/SP | DSPIC33EV128GM002-E/SP Distributor          | DSPIC33EV128GM002-E/SP Supplier                               |
| DSPIC33EV128GM002-E/SP Price                         | DSPIC33EV128GM002-E/SP Pictures             | DSPIC33EV128GM002-E/SP Image                                  |
| DSPIC33EV128GM002-E/SP PDF Datasheet                 | DSPIC33EV128GM002-E/SP Download Datasheet   | DSPIC33EV128GM002-E/SP Datasheet                              |
| DSPIC33EV128GM002-E/SP Stock                         | Buy DSPIC33EV128GM002-E/SP                  | Buy Micrel / Microchip Technology DSPIC33EV128GM002-E/SP      |
| Micrel / Microchip Technology DSPIC33EV128GM002-E/SP | Micrel / Microchip Technology Supplier      | Micrel / Microchip Technology Distributor                     |
| Micrel / Microchip Technology DSPIC33EV128GM002-E/SP | Microchip Technology DSPIC33EV128GM002-E/SP | Roving Networks / Microchip Technology DSPIC33EV128GM002-E/SP |

#### Related Products

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| <div></div> <div><b>DSPIC33EV128GM002-I/SP</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 128KB FLASH 28SDIP<br/>In stock: Out stock<br/><div>RFQ</div></div> | <div></div> <div><b>DSPIC33EV128GM002-E/MM</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 128KB FLASH 28QFN<br/>In stock: Out stock<br/><div>RFQ</div></div>  |
| <div></div> <div><b>DSPIC33EP64MC506T-E/PT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 64KB FLASH 64TQFP<br/>In stock: Out stock<br/><div>RFQ</div></div>  | <div></div> <div><b>DSPIC33EP64MC506T-I/MR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 64KB FLASH 64QFN<br/>In stock: Out stock<br/><div>RFQ</div></div>   |
| <div></div> <div><b>DSPIC33EV128GM002-I/MM</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 128KB FLASH 28QFN<br/>In stock: Out stock<br/><div>RFQ</div></div>  | <div></div> <div><b>DSPIC33EV128GM002-E/SO</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 128KB FLASH 28SOIC<br/>In stock: Out stock<br/><div>RFQ</div></div> |
| <div></div> <div><b>DSPIC33EP64MC506T-E/MR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 64KB FLASH 64QFN<br/>In stock: Out stock<br/><div>RFQ</div></div>   | <div></div> <div><b>DSPIC33EV128GM002-I/SO</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 128KB FLASH 28SOIC<br/>In stock: Out stock<br/><div>RFQ</div></div> |
| <div></div> <div><b>DSPIC33EV128GM002-H/SO</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 128KB FLASH 28SOIC<br/>In stock: Out stock<br/><div>RFQ</div></div> | <div></div> <div><b>DSPIC33EP64MC506T-I/PT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 64KB FLASH 64TQFP<br/>In stock: Out stock<br/><div>RFQ</div></div>  |
| <div></div> <div><b>DSPIC33EV128GM002-E/SS</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 128KB FLASH 28SSOP<br/>In stock: Out stock<br/><div>RFQ</div></div> | <div></div> <div><b>DSPIC33EV128GM002-H/SP</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 128KB FLASH 28SDIP<br/>In stock: Out stock<br/><div>RFQ</div></div> |