

DSPIC33EV64GM002-E/SS





Part Number: DSPIC33EV64GM002-E/SS

Manufacturer: Micrel / Microchip Technology

Description: IC MCU 16BIT 64KB FLASH 28SSOP

Data sheet: 

 dsPIC33EVyyyGM00y/10y Prog Spec

 dsPIC33EVxxGM00x/10x Family Datasheet

 dsPIC33EVzzzGM00z/10z Family Errata

RoHs Status: Lead free / RoHS Compliant

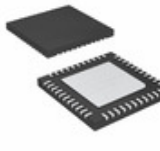
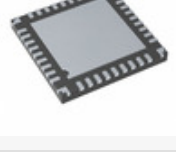
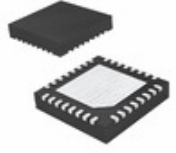
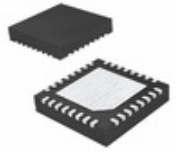
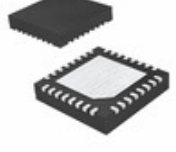
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                         |                                 |                                                                                                                                                                 |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                    | DSPIC33EV64GM002-E/SS                                                                                   | Manufacturer                    | Micrel / Microchip Technology                                                                                                                                   |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                    | IC MCU 16BIT 64KB FLASH 28SSOP                                                                          | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant                                                                                                                                      |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                             | 40319 pcs                                                                                               | Data sheet                      | <a href="#">dsPIC33EVyyyGM00y/10y Prog Spec</a><br><a href="#">dsPIC33EVxxGM00x/10x Family Datasheet</a><br><a href="#">dsPIC33EVzzzGM00z/10z Family Errata</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                       | <a href="#">Integrated Circuits (ICs)</a>                                                               | Voltage - Supply (Vcc/Vdd)      | 4.5 V ~ 5.5 V                                                                                                                                                   |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                        | 28-SSOP                                                                                                 | Speed                           | 60 MIPs                                                                                                                                                         |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                         | Automotive, AEC-Q100, dsPIC™ 33EV                                                                       | RAM Size                        | 8K x 8                                                                                                                                                          |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                            | FLASH                                                                                                   | Program Memory Size             | 64KB (22K x 24)                                                                                                                                                 |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                    | Brown-out Detect/Reset, DMA, Motor Control PWM, POR, PWM, WDT                                           | Packaging                       | Tube                                                                                                                                                            |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                 | 28-SSOP (0.209", 5.30mm Width)                                                                          | 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 64KB (22K x 24) FLASH 28-SSOP | Data Converters                 | A/D 11x10/12b                                                                                                                                                   |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                      | 16-Bit                                                                                                  | Core Processor                  | dsPIC                                                                                                                                                           |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                   | IPC, IrDA, LINbus, SPI, UART/USART                                                                      |                                 |                                                                                                                                                                 |
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| RELATED PRODUCTS                                                                   |                                                                                              |                                                              |                |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------|
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|  | Part#: <a href="#">DSPIC33EV32GM106T-I/PT</a><br>Description: IC MCU 16BIT 32KB FLASH 64TQFP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33EV64GM004-E/ML</a><br>Description: IC MCU 16BIT 64KB FLASH 44QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33EV64GM003T-I/M5</a><br>Description: ECC FLASH, 8KB RAM             | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33EV32GM106T-I/MR</a><br>Description: IC MCU 16BIT 32KB FLASH 64QFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33EV32GM104T-I/PT</a><br>Description: IC MCU 16BIT 32KB FLASH 44TQFP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33EV32GM106-I/MR</a><br>Description: IC MCU 16BIT 32KB FLASH 64QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33EV64GM002-I/SO</a><br>Description: IC MCU 16BIT 64KB FLASH 28SOIC  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33EV64GM002-E/SP</a><br>Description: IC MCU 16BIT 64KB FLASH 28SDIP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33EV64GM003-I/M5</a><br>Description: ECC FLASH, 8KB RAM              | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33EV64GM002T-I/SO</a><br>Description: IC MCU 16BIT 64KB FLASH 28SOIC | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33EV64GM003-E/M5</a><br>Description: ECC FLASH, 8KB RAM              | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33EV64GM002-E/SO</a><br>Description: IC MCU 16BIT 64KB FLASH 28SOIC  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33EV32GM106-E/PT</a><br>Description: IC MCU 16BIT 32KB FLASH 64TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33EV64GM002-E/MM</a><br>Description: IC MCU 16BIT 64KB FLASH 28QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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