

DSPIC33EV32GM004T-I/ML





Part Number: DSPIC33EV32GM004T-I/ML

Manufacturer: Micrel / Microchip Technology

Description: IC MCU 16BIT 32KB FLASH 44QFN

Data sheet: 

 dsPIC33EVyyyGM00y/10y Prog Spec

 dsPIC33EVzxGM00x/10x Family Datasheet

 dsPIC33EVzzzGM00z/10z Family Errata

RoHs Status: Lead free / RoHS Compliant

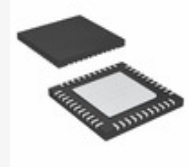
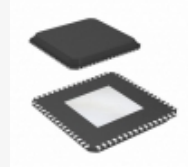
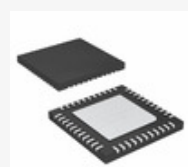
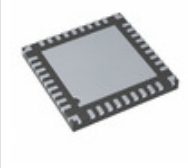
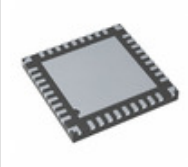
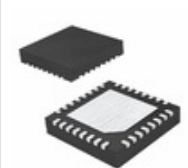
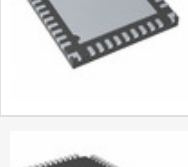
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                        |                                 |                                                                                                                                                       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                     | DSPIC33EV32GM004T-I/ML                                                                 | Manufacturer                    | Micrel / Microchip Technology                                                                                                                         |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                     | IC MCU 16BIT 32KB FLASH 44QFN                                                          | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant                                                                                                                            |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                              | 43159 pcs                                                                              | Data sheet                      | <a href="#">dsPIC33EVyyyGM00y/10y Prog Spec</a><br><a href="#">dsPIC33EVzxGM00x/10x Family</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                                                                                                                                                                                                                                                                                                                                                                                                                         | 44-QFN (8x8)                                                                           | Speed                           | 70 MIPS                                                                                                                                               |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                          | dsPIC™ 33EV                                                                            | RAM Size                        | 2K x 16                                                                                                                                               |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                             | FLASH                                                                                  | Program Memory Size             | 32KB (11K x 24)                                                                                                                                       |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                     | Brown-out Detect/Reset, DMA, Motor Control PWM, POR, PWM, WDT                          | Packaging                       | Tape & Reel (TR)                                                                                                                                      |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                  | 44-VQFN Exposed Pad                                                                    | Oscillator Type                 | Internal                                                                                                                                              |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                           | -40°C ~ 85°C (TA)                                                                      | Number of I/O                   | 35                                                                                                                                                    |
| 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™ 33EV Microcontroller IC 16-Bit 70 MIPS 32KB (11K x 24) FLASH 44-QFN (8x8) | Data Converters                 | A/D 24x10/12b                                                                                                                                         |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                       | 16-Bit                                                                                 | Core Processor                  | dsPIC                                                                                                                                                 |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                    | I²C, IrDA, LINbus, SPI, UART/USART                                                     | Base Part Number                | DSPIC33EV32GM004                                                                                                                                      |
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| RELATED PRODUCTS                                                                   |                                                                                              |                                                              |                |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------|
|  | Part#: <a href="#">DSPIC33EV32GM006-I/MR</a><br>Description: IC MCU 16BIT 32KB FLASH 64QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33EV32GM004-E/ML</a><br>Description: IC MCU 16BIT 32KB FLASH 44QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33EV32GM004-I/PT</a><br>Description: IC MCU 16BIT 32KB FLASH 44TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33EV32GM006T-I/MR</a><br>Description: IC MCU 16BIT 32KB FLASH 64QFN  | Manufacturers: <a href="#">Microchip Technology</a>          | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33EV32GM002-I/SS</a><br>Description: IC MCU 16BIT 32KB FLASH 28SSOP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33EV32GM004-I/ML</a><br>Description: IC MCU 16BIT 32KB FLASH 44QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33EV32GM006T-I/PT</a><br>Description: IC MCU 16BIT 32KB FLASH 64TQFP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33EV32GM004T-I/PT</a><br>Description: IC MCU 16BIT 32KB FLASH 44TQFP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33EV32GM003-E/M5</a><br>Description: ECC FLASH, 4KB RAM              | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33EV32GM002T-I/SO</a><br>Description: IC MCU 16BIT 32KB FLASH 28SOIC | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33EV32GM003T-I/M5</a><br>Description: ECC FLASH, 4KB RAM             | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33EV32GM102-E/SO</a><br>Description: IC MCU 16BIT 32KB FLASH 28SOIC  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33EV32GM102-E/MM</a><br>Description: IC MCU 16BIT 32KB FLASH 28QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">DSPIC33EV32GM003-I/M5</a><br>Description: ECC FLASH, 4KB RAM              | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33EV32GM004-E/PT</a><br>Description: IC MCU 16BIT 32KB FLASH 44TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33EV32GM002T-I/MM</a><br>Description: IC MCU 16BIT 32KB FLASH 28QFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33EV32GM006-I/PT</a><br>Description: IC MCU 16BIT 32KB FLASH 64TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33EV32GM102-E/SP</a><br>Description: IC MCU 16BIT 32KB FLASH 28SDIP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33EV32GM006-E/PT</a><br>Description: IC MCU 16BIT 32KB FLASH 64TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |

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