



## DSPIC33EV32GM004-E/ML

|                     |                                                                                                                                                                                                                                                                                                                                                                                                     |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number:        | DSPIC33EV32GM004-E/ML                                                                                                                                                                                                                                                                                                                                                                               |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                                                                                                                                                                                                                                                                                                       |
| Product description | IC MCU 16BIT 32KB FLASH 44QFN <div>1.DSPIC33EV32GM004-E/ML.pdf<div>2.DSPIC33EV32GM004-E/ML.pdf</div><div>3.DSPIC33EV32GM004-E/ML.pdf</div></div> |
| Datasheets:         |                                                                                                                                                                                                                                                                                                                                                                                                     |
| RoHs Status         |  Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                        |
| Stock Condition     | 33981 pcs stock                                                                                                                                                                                                                                                                                                                                                                                     |
| Ship From           | Hong Kong                                                                                                                                                                                                                                                                                                                                                                                           |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                                                                                                                                                                                                                                                                                                               |

REQUEST FOR QUOTATION

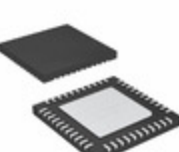
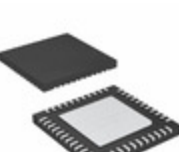
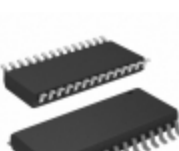
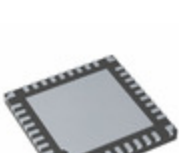
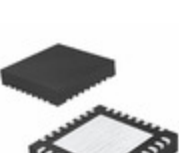
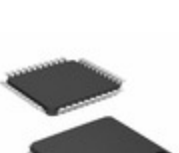
### Specifications of DSPIC33EV32GM004-E/ML

|                                  |                                                                                                                                                                                                                                                                                                                                                                               |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | DSPIC33EV32GM004-E/ML                                                                                                                                                                                                                                                                                                                                                         |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                                                                                                                                                                                                                                                                                 |
| DESCRIPTION                      | IC MCU 16BIT 32KB FLASH 44QFN                                                                                                                                                                                                                                                                                                                                                 |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                                                    |
| QUANTITY AVAILABLE               | 33981 pcs                                                                                                                                                                                                                                                                                                                                                                     |
| DATA SHEET                       | <div>1.DSPIC33EV32GM004-E/ML.pdf</div> <div>2.DSPIC33EV32GM004-E/ML.pdf</div> <div>3.DSPIC33EV32GM004-E/ML.pdf</div> |
| VOLTAGE - SUPPLY (VCC/VDD)       | 4.5 V ~ 5.5 V                                                                                                                                                                                                                                                                                                                                                                 |
| SUPPLIER DEVICE PACKAGE          | 44-QFN (8x8)                                                                                                                                                                                                                                                                                                                                                                  |
| SPEED                            | 60 MIPs                                                                                                                                                                                                                                                                                                                                                                       |
| SERIES                           | Automotive, AEC-Q100, dsPIC™ 33EV                                                                                                                                                                                                                                                                                                                                             |
| RAM SIZE                         | 4K x 8                                                                                                                                                                                                                                                                                                                                                                        |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                                                                                                                                                                                                                                                                         |
| PROGRAM MEMORY SIZE              | 32KB (11K x 24)                                                                                                                                                                                                                                                                                                                                                               |
| PERIPHERALS                      | Brown-out Detect/Reset, DMA, Motor Control PWM, POR, PWM, WDT                                                                                                                                                                                                                                                                                                                 |
| PACKAGING                        | Tube                                                                                                                                                                                                                                                                                                                                                                          |
| PACKAGE / CASE                   | 44-VQFN Exposed Pad                                                                                                                                                                                                                                                                                                                                                           |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                                                                                                                                                                                                      |
| OPERATING TEMPERATURE            | -40°C ~ 125°C (TA)                                                                                                                                                                                                                                                                                                                                                            |
| NUMBER OF I/O                    | 35                                                                                                                                                                                                                                                                                                                                                                            |
| MOISTURE SENSITIVITY LEVEL (MSL) | 1 (Unlimited)                                                                                                                                                                                                                                                                                                                                                                 |
| 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 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                                                                                                                                                                                                                                                                                                                                                              |

### Related Tags

|                                                     |                                            |                                                              |
|-----------------------------------------------------|--------------------------------------------|--------------------------------------------------------------|
| Micrel / Microchip Technology DSPIC33EV32GM004-E/ML | DSPIC33EV32GM004-E/ML Distributor          | DSPIC33EV32GM004-E/ML Supplier                               |
| DSPIC33EV32GM004-E/ML Price                         | DSPIC33EV32GM004-E/ML Pictures             | DSPIC33EV32GM004-E/ML Image                                  |
| DSPIC33EV32GM004-E/ML PDF Datasheet                 | DSPIC33EV32GM004-E/ML Download Datasheet   | DSPIC33EV32GM004-E/ML Datasheet                              |
| DSPIC33EV32GM004-E/ML Stock                         | Buy DSPIC33EV32GM004-E/ML                  | Buy Micrel / Microchip Technology DSPIC33EV32GM004-E/ML      |
| Micrel / Microchip Technology DSPIC33EV32GM004-E/ML | Micrel / Microchip Technology Supplier     | Micrel / Microchip Technology Distributor                    |
| Micrel / Microchip Technology DSPIC33EV32GM004-E/ML | Microchip Technology DSPIC33EV32GM004-E/ML | Roving Networks / Microchip Technology DSPIC33EV32GM004-E/ML |

### Related Products

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| <div></div> <div>DSPIC33EV32GM003-I/M5</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: ECC FLASH, 4KB RAM</div> <div>In stock: 37167 pcs</div> <div>RFQ</div>              | <div></div> <div>DSPIC33EV32GM004-I/PT</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 32KB FLASH 44TQFP</div> <div>In stock: 35389 pcs</div> <div>RFQ</div>  |
| <div></div> <div>DSPIC33EV32GM004-E/PT</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 32KB FLASH 44TQFP</div> <div>In stock: 31756 pcs</div> <div>RFQ</div>  | <div></div> <div>DSPIC33EV32GM004-I/ML</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 32KB FLASH 44QFN</div> <div>In stock: 33831 pcs</div> <div>RFQ</div>   |
| <div></div> <div>DSPIC33EV32GM003T-I/M5</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: ECC FLASH, 4KB RAM</div> <div>In stock: 43823 pcs</div> <div>RFQ</div>             | <div></div> <div>DSPIC33EV32GM004T-I/ML</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 32KB FLASH 44QFN</div> <div>In stock: 34409 pcs</div> <div>RFQ</div>  |
| <div></div> <div>DSPIC33EV32GM002T-I/SO</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 32KB FLASH 28SOIC</div> <div>In stock: 39116 pcs</div> <div>RFQ</div> | <div></div> <div>DSPIC33EV32GM006-E/MR</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 32KB FLASH 64QFN</div> <div>In stock: 30664 pcs</div> <div>RFQ</div>   |
| <div></div> <div>DSPIC33EV32GM003-E/M5</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: ECC FLASH, 4KB RAM</div> <div>In stock: 34296 pcs</div> <div>RFQ</div>              | <div></div> <div>DSPIC33EV32GM002T-I/MM</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 32KB FLASH 28QFN</div> <div>In stock: 45621 pcs</div> <div>RFQ</div>  |
| <div></div> <div>DSPIC33EV32GM002-I/SS</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 32KB FLASH 28SSOP</div> <div>In stock: 47165 pcs</div> <div>RFQ</div>  | <div></div> <div>DSPIC33EV32GM004T-I/PT</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 32KB FLASH 44TQFP</div> <div>In stock: 34925 pcs</div> <div>RFQ</div> |