

| Specifications             |                                                         |
|----------------------------|---------------------------------------------------------|
| Part Number                | DSPIC33FJ32GP304-E/ML                                   |
| Manufacturer               | Micrel / Microchip Technology                           |
| Description                | IC MCU 16BIT 32KB FLASH 44QFN                           |
| Category                   | Integrated Circuits (ICs) > Embedded - Microcontrollers |
| Part Status                | 2505 pcs Stock                                          |
| Voltage - Supply (Vcc/Vdd) | 3 V ~ 3.6 V                                             |
| Supplier Device Package    | 44-QFN (8x8)                                            |
| Speed                      | 40 MIPS                                                 |
| Series                     | dsPIC™ 33F                                              |
| RAM Size                   | 4K x 8                                                  |
| Program Memory Type        | FLASH                                                   |
| Program Memory Size        | 32KB (32K x 8)                                          |
| Peripherals                | Brown-out Detect/Reset, DCI, DMA, I²S, POR, PWM,        |
| Packaging                  | Tube                                                    |
| Package / Case             | 44-VQFN Exposed Pad                                     |
| Oscillator Type            | Internal                                                |
| Operating Temperature      | -40°C ~ 125°C (TA)                                      |
| Number of I/O              | 35                                                      |
| EEPROM Size                | -                                                       |
| Data Converters            | A/D 13x10b/12b                                          |
| Core Size                  | 16-Bit                                                  |
| Core Processor             | dsPIC                                                   |
| Connectivity               | I²C, IrDA, LIN, SPI, UART/USART                         |

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| <p>In:</p>  <p><b>DSPIC33FJ32GP304T-I/PT</b><br/>Microchip Technology<br/>IC MCU 16BIT 32KB FLASH<br/>44TQFP</p> |  <p><b>DSPIC33FJ32GP302T-I/MM</b><br/>Microchip Technology<br/>IC MCU 16BIT 32KB FLASH<br/>28QFN</p>  |  <p><b>DSPIC33FJ32GP304-I/PT</b><br/>Microchip Technology<br/>IC MCU 16BIT 32KB FLASH<br/>44TQFP</p> |  <p><b>DSPIC33FJ32GP304-I/ML</b><br/>Microchip Technology<br/>IC MCU 16BIT 32KB FLASH<br/>44QFN</p>  |
|  <p><b>DSPIC33FJ32GP302-I/SP</b><br/>Microchip Technology<br/>IC MCU 16BIT 32KB FLASH<br/>28SDIP</p>             |  <p><b>DSPIC33FJ32GP302T-I/SO</b><br/>Microchip Technology<br/>IC MCU 16BIT 32KB FLASH<br/>28SOIC</p> |  <p><b>DSPIC33FJ32GP302-I/SO</b><br/>Microchip Technology<br/>IC MCU 16BIT 32KB FLASH<br/>28SOIC</p> |  <p><b>DSPIC33FJ32GP304-E/PT</b><br/>Microchip Technology<br/>IC MCU 16BIT 32KB FLASH<br/>44TQFP</p> |

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|----------------------------------------------------|------------------------------------|-----------------------------------|--------------------------------|--------------------------------------------------------|
| SPIC33FJ32GP304-E/ML Micrel / Microchip Technology | DSPIC33FJ32GP304-E/ML Data Sheet   | DSPIC33FJ32GP304-E/ML Datasheets  | DSPIC33FJ32GP304-E/ML PDF      | Micrel / Microchip Technology<br>DSPIC33FJ32GP304-E/ML |
| DSPIC33FJ32GP304-E/ML Electronic                   | DSPIC33FJ32GP304-E/ML Components   | DSPIC33FJ32GP304-E/ML Distributor | DSPIC33FJ32GP304-E/ML Image    | DSPIC33FJ32GP304-E/ML Part                             |
| SPIC33FJ32GP304-E/ML Price                         | DSPIC33FJ32GP304-E/ML Manufacturer | DSPIC33FJ32GP304-E/ML Picture     | DSPIC33FJ32GP304-E/ML Stock    | DSPIC33FJ32GP304-E/ML Inventory                        |
|                                                    |                                    | DSPIC33FJ32GP304-E/ML New         | DSPIC33FJ32GP304-E/ML Original | DSPIC33FJ32GP304-E/ML Warranted                        |
| SPIC33FJ32GP304-E/ML RFQ                           | DSPIC33FJ32GP304-E/ML Order Online |                                   |                                |                                                        |