



DSPIC33EP16GS504-E/PT

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | DSPIC33EP16GS504-E/PT                                                                                        |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                |
| Product description | IC MCU 16BIT 16KB FLASH 44TQFP                                                                               |
|                     | <a href="#">1.DSPIC33EP16GS504-E/PT.pdf</a>                                                                  |
|                     | <a href="#">2.DSPIC33EP16GS504-E/PT.pdf</a>                                                                  |
| Datasheets:         |  Lead free / RoHS Compliant |
| RoHs Status         |                                                                                                              |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

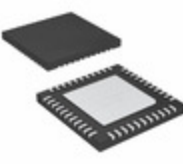
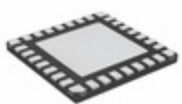
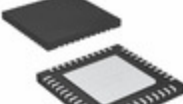
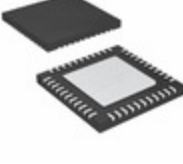
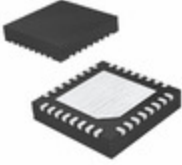
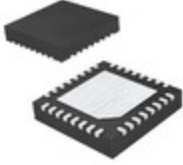
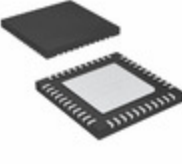
Specifications of DSPIC33EP16GS504-E/PT

|                                  |                                                                                                                |
|----------------------------------|----------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | DSPIC33EP16GS504-E/PT                                                                                          |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                  |
| DESCRIPTION                      | IC MCU 16BIT 16KB FLASH 44TQFP                                                                                 |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                     |
| DATA SHEET                       | <a href="#">1.DSPIC33EP16GS504-E/PT.pdf</a><br><a href="#">2.DSPIC33EP16GS504-E/PT.pdf</a>                     |
| VOLTAGE - SUPPLY (VCC/VDD)       | 3 V ~ 3.6 V                                                                                                    |
| SUPPLIER DEVICE PACKAGE          | 44-TQFP (10x10)                                                                                                |
| SPEED                            | 60 MIPs                                                                                                        |
| SERIES                           | Automotive, AEC-Q100, dsPIC™ 33EP                                                                              |
| RAM SIZE                         | 2K x 8                                                                                                         |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                          |
| PROGRAM MEMORY SIZE              | 16KB (16K x 8)                                                                                                 |
| PERIPHERALS                      | Brown-out Detect/Reset, POR, PWM, WDT                                                                          |
| PACKAGING                        | Tray                                                                                                           |
| PACKAGE / CASE                   | 44-TQFP                                                                                                        |
| OSCILLATOR TYPE                  | Internal                                                                                                       |
| OPERATING TEMPERATURE            | -40°C ~ 125°C                                                                                                  |
| NUMBER OF I/O                    | 35                                                                                                             |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                  |
| MANUFACTURER STANDARD LEAD TIME  | 14 Weeks                                                                                                       |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                     |
| EEPROM SIZE                      | -                                                                                                              |
| DETAILED DESCRIPTION             | dsPIC Automotive, AEC-Q100, dsPIC™ 33EP Microcontroller IC 16-Bit 60 MIPs 16KB (16K x 8) FLASH 44-TQFP (10x10) |
| DATA CONVERTERS                  | A/D 19x12b, D/A 1x12b                                                                                          |
| CORE SIZE                        | 16-Bit                                                                                                         |
| CORE PROCESSOR                   | dsPIC                                                                                                          |
| CONNECTIVITY                     | I²C, IrDA, LINbus, SPI, UART/USART                                                                             |
| BASE PART NUMBER                 | DSPIC33EP16GS504                                                                                               |

Related Tags

|                                                     |                                            |                                                              |
|-----------------------------------------------------|--------------------------------------------|--------------------------------------------------------------|
| Micrel / Microchip Technology DSPIC33EP16GS504-E/PT | DSPIC33EP16GS504-E/PT Distributor          | DSPIC33EP16GS504-E/PT Supplier                               |
| DSPIC33EP16GS504-E/PT Price                         | DSPIC33EP16GS504-E/PT Pictures             | DSPIC33EP16GS504-E/PT Image                                  |
| DSPIC33EP16GS504-E/PT PDF Datasheet                 | DSPIC33EP16GS504-E/PT Download Datasheet   | DSPIC33EP16GS504-E/PT Datasheet                              |
| DSPIC33EP16GS504-E/PT Stock                         | Buy DSPIC33EP16GS504-E/PT                  | Buy Micrel / Microchip Technology DSPIC33EP16GS504-E/PT      |
| Micrel / Microchip Technology DSPIC33EP16GS504-E/PT | Micrel / Microchip Technology Supplier     | Micrel / Microchip Technology Distributor                    |
| Micrel / Microchip Technology DSPIC33EP16GS504-E/PT | Microchip Technology DSPIC33EP16GS504-E/PT | Roving Networks / Microchip Technology DSPIC33EP16GS504-E/PT |

Related Products

|                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><b>DSPIC33EP16GS502T-I/SO</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 16KB FLASH 28SOIC<br/>In stock: Out stock<br/><b>RFQ</b></div> |  <div><b>DSPIC33EP16GS504T-I/ML</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 16KB FLASH 44QFN<br/>In stock: Out stock<br/><b>RFQ</b></div>  |
|  <div><b>DSPIC33EP16GS502T-I/MX</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 16KB FLASH 28UQFN<br/>In stock: Out stock<br/><b>RFQ</b></div> |  <div><b>DSPIC33EP16GS504-I/ML</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 16KB FLASH 44QFN<br/>In stock: 10 pcs<br/><b>RFQ</b></div>      |
|  <div><b>DSPIC33EP16GS504T-E/PT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 16KB FLASH 44TQFP<br/>In stock: Out stock<br/><b>RFQ</b></div> |  <div><b>DSPIC33EP16GS504-I/PT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 16KB FLASH 44TQFP<br/>In stock: 183 pcs<br/><b>RFQ</b></div>    |
|  <div><b>DSPIC33EP16GS502T-E/SO</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 16KB FLASH 28SOIC<br/>In stock: Out stock<br/><b>RFQ</b></div> |  <div><b>DSPIC33EP16GS504-E/ML</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 16KB FLASH 44QFN<br/>In stock: Out stock<br/><b>RFQ</b></div>   |
|  <div><b>DSPIC33EP16GS502T-I/MM</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 16KB FLASH 28QFN<br/>In stock: Out stock<br/><b>RFQ</b></div>  |  <div><b>DSPIC33EP16GS502T-I/2N</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 16KB FLASH 28UQFN<br/>In stock: Out stock<br/><b>RFQ</b></div> |
|  <div><b>DSPIC33EP16GS504T-E/ML</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 16KB FLASH 44QFN<br/>In stock: Out stock<br/><b>RFQ</b></div>  |  <div><b>DSPIC33EP16GS504T-I/PT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 16KB FLASH 44TQFP<br/>In stock: Out stock<br/><b>RFQ</b></div> |