

MICROCHIP

Micrel / Microchip Technology



### DSPIC33FJ64GS610-I/PT

|                     |                                                                                                               |
|---------------------|---------------------------------------------------------------------------------------------------------------|
| Part Number:        | DSPIC33FJ64GS610-I/PT                                                                                         |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                 |
| Product description | IC MCU 16BIT 64KB FLASH 100TQFP                                                                               |
|                     |  1.DSPIC33FJ64GS610-I/PT.pdf |
|                     |  2.DSPIC33FJ64GS610-I/PT.pdf |
|                     |  3.DSPIC33FJ64GS610-I/PT.pdf |
| Datasheets:         |                                                                                                               |
| RoHs Status         |  Lead free / RoHS Compliant  |
| Ship From           | Hong Kong                                                                                                     |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                         |

REQUEST FOR QUOTATION

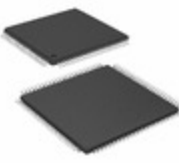
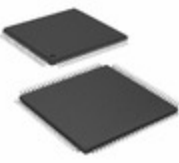
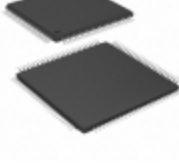
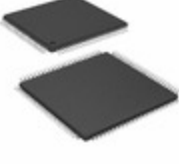
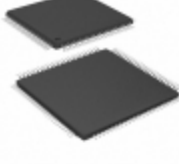
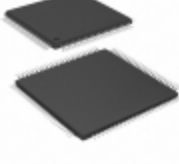
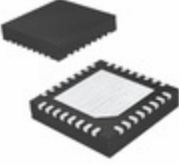
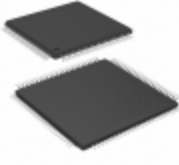
#### Specifications of DSPIC33FJ64GS610-I/PT

|                                  |                                                                                                                                                                                                                                                                                                                                                       |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | DSPIC33FJ64GS610-I/PT                                                                                                                                                                                                                                                                                                                                 |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                                                                                                                                                                                                                                                         |
| DESCRIPTION                      | IC MCU 16BIT 64KB FLASH 100TQFP                                                                                                                                                                                                                                                                                                                       |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                            |
| DATA SHEET                       |  1.DSPIC33FJ64GS610-I/PT.pdf<br> 2.DSPIC33FJ64GS610-I/PT.pdf<br> 3.DSPIC33FJ64GS610-I/PT.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 3 V ~ 3.6 V                                                                                                                                                                                                                                                                                                                                           |
| SUPPLIER DEVICE PACKAGE          | 100-TQFP (12x12)                                                                                                                                                                                                                                                                                                                                      |
| SPEED                            | 40 MIPs                                                                                                                                                                                                                                                                                                                                               |
| SERIES                           | dsPIC™ 33F                                                                                                                                                                                                                                                                                                                                            |
| RAM SIZE                         | 9K x 8                                                                                                                                                                                                                                                                                                                                                |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                                                                                                                                                                                                                                                 |
| PROGRAM MEMORY SIZE              | 64KB (64K x 8)                                                                                                                                                                                                                                                                                                                                        |
| PERIPHERALS                      | Brown-out Detect/Reset, DMA, QEI, POR, PWM, WDT                                                                                                                                                                                                                                                                                                       |
| PACKAGING                        | Tray                                                                                                                                                                                                                                                                                                                                                  |
| PACKAGE / CASE                   | 100-TQFP                                                                                                                                                                                                                                                                                                                                              |
| OTHER NAMES                      | DSPIC33FJ64GS610IPT                                                                                                                                                                                                                                                                                                                                   |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                                                                                                                                                                              |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                                                                                                                                                                                                                                                                     |
| NUMBER OF I/O                    | 85                                                                                                                                                                                                                                                                                                                                                    |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                                                                                                                                                                                                                                         |
| MANUFACTURER STANDARD LEAD TIME  | 11 Weeks                                                                                                                                                                                                                                                                                                                                              |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                            |
| EEPROM SIZE                      | -                                                                                                                                                                                                                                                                                                                                                     |
| DETAILED DESCRIPTION             | dsPIC dsPIC™ 33F Microcontroller IC 16-Bit 40 MIPs 64KB (64K x 8) FLASH 100-TQFP (12x12)                                                                                                                                                                                                                                                              |
| DATA CONVERTERS                  | A/D 24x10b, D/A 1x10b                                                                                                                                                                                                                                                                                                                                 |
| CORE SIZE                        | 16-Bit                                                                                                                                                                                                                                                                                                                                                |
| CORE PROCESSOR                   | dsPIC                                                                                                                                                                                                                                                                                                                                                 |
| CONNECTIVITY                     | CANbus, I²C, IrDA, LINbus, SPI, UART/USART, USB                                                                                                                                                                                                                                                                                                       |
| BASE PART NUMBER                 | DSPIC33FJ64GS610                                                                                                                                                                                                                                                                                                                                      |

#### Related Tags

|                                                     |                                            |                                                              |
|-----------------------------------------------------|--------------------------------------------|--------------------------------------------------------------|
| Micrel / Microchip Technology DSPIC33FJ64GS610-I/PT | DSPIC33FJ64GS610-I/PT Distributor          | DSPIC33FJ64GS610-I/PT Supplier                               |
| DSPIC33FJ64GS610-I/PT Price                         | DSPIC33FJ64GS610-I/PT Pictures             | DSPIC33FJ64GS610-I/PT Image                                  |
| DSPIC33FJ64GS610-I/PT PDF Datasheet                 | DSPIC33FJ64GS610-I/PT Download Datasheet   | DSPIC33FJ64GS610-I/PT Datasheet                              |
| DSPIC33FJ64GS610-I/PT Stock                         | Buy DSPIC33FJ64GS610-I/PT                  | Buy Micrel / Microchip Technology DSPIC33FJ64GS610-I/PT      |
| Micrel / Microchip Technology DSPIC33FJ64GS610-I/PT | Micrel / Microchip Technology Supplier     | Micrel / Microchip Technology Distributor                    |
| Micrel / Microchip Technology DSPIC33FJ64GS610-I/PT | Microchip Technology DSPIC33FJ64GS610-I/PT | Roving Networks / Microchip Technology DSPIC33FJ64GS610-I/PT |

#### Related Products

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|  <div><b>DSPIC33FJ64GS610T-I/PF</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 64KB FLASH 100TQFP<br/>In stock: Out stock<br/>RFQ</div>   |  <div><b>DSPIC33FJ64GS610-E/PF</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 64KB FLASH 100TQFP<br/>In stock: Out stock<br/>RFQ</div>    |
|  <div><b>DSPIC33FJ64GS608T-I/PT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 64KB FLASH 80TQFP<br/>In stock: Out stock<br/>RFQ</div>    |  <div><b>DSPIC33FJ64GS610-50I/PF</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 64KB FLASH 100TQFP<br/>In stock: 160 pcs<br/>RFQ</div>    |
|  <div><b>DSPIC33FJ64GS610-E/PT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 64KB FLASH 100TQFP<br/>In stock: Out stock<br/>RFQ</div>    |  <div><b>DSPIC33FJ64GS610T-50I/PF</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 64KB FLASH 100TQFP<br/>In stock: Out stock<br/>RFQ</div> |
|  <div><b>DSPIC33FJ64MC202-E/SO</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 64KB FLASH 28SOIC<br/>In stock: 115 pcs<br/>RFQ</div>       |  <div><b>DSPIC33FJ64GS610-I/PF</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 64KB FLASH 100TQFP<br/>In stock: 394 pcs<br/>RFQ</div>      |
|  <div><b>DSPIC33FJ64GS610T-50I/PT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 64KB FLASH 100TQFP<br/>In stock: Out stock<br/>RFQ</div> |  <div><b>DSPIC33FJ64GS610T-I/PT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 64KB FLASH 100TQFP<br/>In stock: Out stock<br/>RFQ</div>   |
|  <div><b>DSPIC33FJ64MC202-E/MM</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 64KB FLASH 28QFN<br/>In stock: Out stock<br/>RFQ</div>      |  <div><b>DSPIC33FJ64GS610-50I/PT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 64KB FLASH 100TQFP<br/>In stock: Out stock<br/>RFQ</div>  |