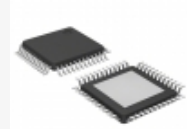
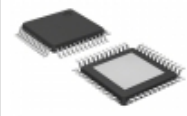
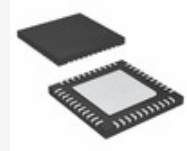
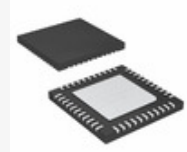
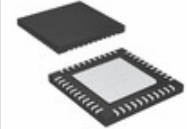
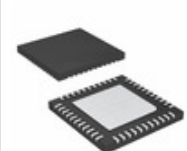
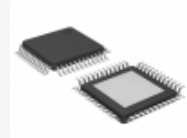
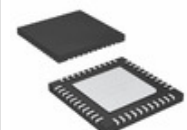


DSPIC33EP64GS506T-E/PT

|                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div></div>                                                                                              | <div><div><div>Part Number: <a href="#">DSPIC33EP64GS506T-E/PT</a></div><div>Manufacturer: <a href="#">Micrel / Microchip Technology</a></div><div>Description: IC MCU 16BIT 64KB FLASH 64TQFP</div><div>Data sheet:  <a href="#">dsPIC33EPxxGS50x Family</a><br/> <a href="#">dsPIC33EPXXGS50X Family Errata</a></div></div></div> <div><div>RoHs Status: Lead free / RoHS Compliant</div><div>Ship From: Hong Kong</div><div>Shipment Way: DHL/Fedex/TNT/UPS/EMS</div></div> |
| <div>Images are for reference only.<br/>See Product Specifications for product details.<br/>Buy DSPIC33EP64GS506T-E/PT with confidence from<br/>Component-World.HK, 1 Year Warranty</div> | <div>Request For Quotation</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                |                                 |                                                                                    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|---------------------------------|------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | DSPIC33EP64GS506T-E/PT                                                                                         | Manufacturer                    | <a href="#">Micrel / Microchip Technology</a>                                      |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | IC MCU 16BIT 64KB FLASH 64TQFP                                                                                 | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant                                                         |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 19708 pcs                                                                                                      | Data sheet                      | <a href="#">dsPIC33EPxxGS50x Family</a><br><a href="#">dsPIC33EPXXGS50X Family</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <a href="#">Integrated Circuits (ICs)</a>                                                                      | Voltage - Supply (Vcc/Vdd)      | <a href="#">Errata</a><br>3 V ~ 3.6 V                                              |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 64-TQFP (10x10)                                                                                                | Speed                           | 60 MIPs                                                                            |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Automotive, AEC-Q100, dsPIC™ 33EP                                                                              | RAM Size                        | 8K x 8                                                                             |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | FLASH                                                                                                          | Program Memory Size             | 64KB (64K x 8)                                                                     |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Brown-out Detect/Reset, POR, PWM, WDT                                                                          | Packaging                       | Tape & Reel (TR)                                                                   |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 64-TQFP                                                                                                        | Oscillator Type                 | Internal                                                                           |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | -40°C ~ 125°C (TA)                                                                                             | Number of I/O                   | 53                                                                                 |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1 (Unlimited)                                                                                                  | 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 64KB (64K x 8) FLASH 64-TQFP (10x10) | Data Converters                 | A/D 22x12b, D/A 2x12b                                                              |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 16-Bit                                                                                                         | Core Processor                  | dsPIC                                                                              |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | PC, IrDA, LINbus, SPI, UART/USART                                                                              | Base Part Number                | DSPIC33EP64GS506                                                                   |
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| RELATED PRODUCTS                                                                   |                                                                                              |                                                              |                |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------|
|  | Part#: <a href="#">DSPIC33EP64GS708-E/PT</a><br>Description: IC MCU 16BIT 64KB FLASH 80TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33EP64GS505-I/PT</a><br>Description: IC MCU 16BIT 64KB FLASH 48TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33EP64GS804-I/PT</a><br>Description: IC MCU 16BIT 64KB FLASH 44TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33EP64GS708T-I/PT</a><br>Description: IC MCU 16BIT 64KB FLASH 80TQFP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33EP64GS504T-E/PT</a><br>Description: IC MCU 16BIT 64KB FLASH 44TQFP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33EP64GS505T-E/PT</a><br>Description: IC MCU 16BIT 64KB FLASH 48TQFP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33EP64GS506-I/PT</a><br>Description: IC MCU 16BIT 64KB FLASH 64TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33EP64GS804-E/PT</a><br>Description: IC MCU 16BIT 64KB FLASH 44TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33EP64GS505T-I/PT</a><br>Description: IC MCU 16BIT 64KB FLASH 48TQFP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33EP64GS804-E/ML</a><br>Description: IC MCU 16BIT 64KB FLASH 44QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33EP64GS506T-I/PT</a><br>Description: IC MCU 16BIT 64KB FLASH 64TQFP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33EP64GS504T-I/ML</a><br>Description: IC MCU 16BIT 64KB FLASH 44QFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33EP64GS804T-I/ML</a><br>Description: IC MCU 16BIT 64KB FLASH 44QFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33EP64GS506-E/PT</a><br>Description: IC MCU 16BIT 64KB FLASH 64TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33EP64GS504T-E/ML</a><br>Description: IC MCU 16BIT 64KB FLASH 44QFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33EP64GS505-E/PT</a><br>Description: IC MCU 16BIT 64KB FLASH 48TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">DSPIC33EP64GS708-I/PT</a><br>Description: IC MCU 16BIT 64KB FLASH 80TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |

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