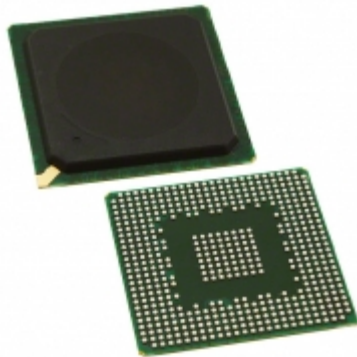


MPC8313VRADDB



Part Number: [MPC8313VRADDB](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MPU MPC83XX 267MHZ 516BGA

Data sheet:  [TBI Link Status Errata](#)  
 [MPC8313E Hrdw Specifications](#)

RoHs Status: Lead free / RoHS Compliant

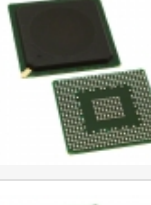
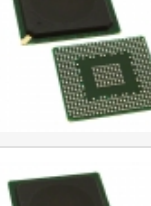
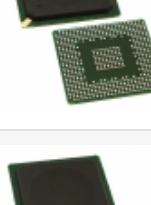
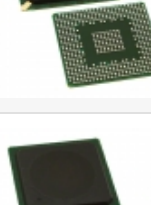
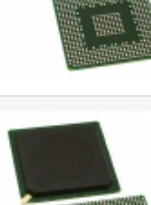
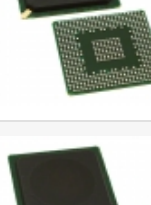
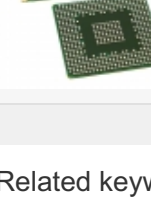
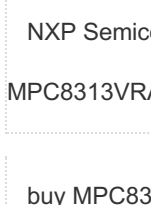
Ship From: Hong Kong

Shipment Way: DHL/Fedex/TNT/UPS/EMS

Images are for reference only.  
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                   |                                  |                                                                                        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------------------------|----------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | MPC8313VRADDB                                                                     | Manufacturer                     | <a href="#">NXP Semiconductors / Freescale</a>                                         |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | IC MPU MPC83XX 267MHZ 516BGA                                                      | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                             |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 4084 pcs                                                                          | Data sheet                       | <a href="#">TBI Link Status Errata</a><br><a href="#">MPC8313E Hrdw Specifications</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <a href="#">Integrated Circuits (ICs)</a>                                         | Voltage - I/O                    | 1.8V, 2.5V, 3.3V                                                                       |
| USB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | USB 2.0 + PHY (1)                                                                 | Supplier Device Package          | 516-TEPBGA (27x27)                                                                     |
| Speed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 267MHz                                                                            | Series                           | MPC83xx                                                                                |
| Security Features                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | -                                                                                 | SATA                             | -                                                                                      |
| RAM Controllers                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | DDR, DDR2                                                                         | Packaging                        | Tray                                                                                   |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 516-BBGA Exposed Pad                                                              | Operating Temperature            | 0°C ~ 105°C (TA)                                                                       |
| Number of Cores/Bus Width                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1 Core, 32-Bit                                                                    | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                          |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Lead free / RoHS Compliant                                                        | Graphics Acceleration            | No                                                                                     |
| Ethernet                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 10/100/1000 Mbps (2)                                                              | Display & Interface Controllers  | -                                                                                      |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | PowerPC e300c3 Microprocessor IC MPC83xx 1 Core, 32-Bit 267MHz 516-TEPBGA (27x27) | Core Processor                   | PowerPC e300c3                                                                         |
| Co-Processors/DSP                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | -                                                                                 | Base Part Number                 | MPC8313                                                                                |
| Additional Interfaces                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | DUART, HSSI, I <sup>2</sup> C, PCI, SPI                                           |                                  |                                                                                        |
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| RELATED PRODUCTS                                                                   |                                                                                     |                                                               |                |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------|----------------|
|  | Part#: <a href="#">MPC8313ZQADDB</a><br>Description: IC MPU MPC83XX 267MHZ 516BGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC8313ZQADD</a><br>Description: IC MPU MPC83XX 267MHZ 516BGA    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC8313EZQADDB</a><br>Description: IC MPU MPC83XX 267MHZ 516BGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC8313VRAFFC</a><br>Description: IC MPU MPC83XX 333MHZ 516BGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC8313VRAGDB</a><br>Description: IC MPU MPC83XX 400MHZ 516BGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC8313VRAFF</a><br>Description: IC MPU MPC83XX 333MHZ 516BGA    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC8313ZQAFFB</a><br>Description: IC MPU MPC83XX 333MHZ 516BGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC8313EZQAGDC</a><br>Description: IC MPU MPC83XX 400MHZ 516BGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC8313ZQADDC</a><br>Description: IC MPU MPC83XX 267MHZ 516BGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC8313EZQADD</a><br>Description: IC MPU MPC83XX 267MHZ 516BGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC8313ZQAFF</a><br>Description: IC MPU MPC83XX 333MHZ 516BGA    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC8313VRAFFB</a><br>Description: IC MPU MPC83XX 333MHZ 516BGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MPC8313EZQADDC</a><br>Description: IC MPU MPC83XX 267MHZ 516BGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC8313EVRAFFB</a><br>Description: IC MPU MPC83XX 333MHZ 516BGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC8313EZQAFFC</a><br>Description: IC MPU MPC83XX 333MHZ 516BGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC8313EVRAFFC</a><br>Description: IC MPU MPC83XX 333MHZ 516BGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC8313EVRAAGDB</a><br>Description: IC MPU MPC83XX 400MHZ 516BGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC8313ZQAGDC</a><br>Description: IC MPU MPC83XX 400MHZ 516BGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC8313EZQAFFB</a><br>Description: IC MPU MPC83XX 333MHZ 516BGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |

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