




NXP Semiconductors / Freescale

## MPC8313ECZQADDC

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|----------------------|--|
| Part Number:         | MPC8313ECZQADDC  |
| Manufacturer/Brand:  | NXP Semiconductors / Freescale   |
| Product description: | IC MPU MPC83XX 267MHZ 516BGA   |
| Datasheets:          | <a href="#">1.MPC8313ECZQADDC.pdf</a><br><a href="#">2.MPC8313ECZQADDC.pdf</a><br><a href="#">3.MPC8313ECZQADDC.pdf</a><br><a href="#">4.MPC8313ECZQADDC.pdf</a> |
| RoHS Status:         |  Lead free / RoHS Compliant   |
| Ship From:           | Hong Kong  |
| Shipment Way:        | DHL/Fedex/TNT/UPS/EMS  |

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Image may be representation. See specifications for product details.













### Specifications of MPC8313ECZQADDC

|                                  |  |
|----------------------------------|--|
| PART NUMBER                      | MPC8313ECZQADDC  |
| MANUFACTURER                     | NXP Semiconductors / Freescale   |
| DESCRIPTION                      | IC MPU MPC83XX 267MHZ 516BGA   |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant   |
| DATA SHEET                       | <a href="#">1.MPC8313ECZQADDC.pdf</a><br><a href="#">2.MPC8313ECZQADDC.pdf</a><br><a href="#">3.MPC8313ECZQADDC.pdf</a><br><a href="#">4.MPC8313ECZQADDC.pdf</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                | Cryptography   |
| SATA                             | -  |
| RAM CONTROLLERS                  | DDR, DDR2  |
| PACKAGING                        | Tray   |
| PACKAGE / CASE                   | 516-BBGA Exposed Pad   |
| OTHER NAMES                      | 935324473557   |
| OPERATING TEMPERATURE            | -40°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                | Security; SEC 2.2  |
| BASE PART NUMBER                 | MPC8313  |
| ADDITIONAL INTERFACES            | DUART, HSSI, I <sup>2</sup> C, PCI, SPI  |

### Related Tags

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|  <p><b>MPC8313ECVRAFFB</b><br/>         Manufacturers: NXP Semiconductors / Freescale<br/>         Description: IC MPU MPC83XX 333MHZ 516BGA<br/>         In stock: Out stock<br/> <a href="#">RFQ</a></p> |  <p><b>MPC8313ECVRAFFC</b><br/>         Manufacturers: NXP Semiconductors / Freescale<br/>         Description: IC MPU MPC83XX 333MHZ 516BGA<br/>         In stock: 15 pcs<br/> <a href="#">RFQ</a></p>    |
|  <p><b>MPC8313ECZQAFFC</b><br/>         Manufacturers: NXP Semiconductors / Freescale<br/>         Description: IC MPU MPC83XX 333MHZ 516BGA<br/>         In stock: Out stock<br/> <a href="#">RFQ</a></p> |  <p><b>MPC8313ECZQAGDC</b><br/>         Manufacturers: NXP Semiconductors / Freescale<br/>         Description: IC MPU MPC83XX 400MHZ 516BGA<br/>         In stock: Out stock<br/> <a href="#">RFQ</a></p> |
|  <p><b>MPC8313ECZQADD</b><br/>         Manufacturers: NXP Semiconductors / Freescale<br/>         Description: IC MPU MPC83XX 267MHZ 516BGA<br/>         In stock: Out stock<br/> <a href="#">RFQ</a></p>  |  <p><b>MPC8313ECZQAFF</b><br/>         Manufacturers: NXP Semiconductors / Freescale<br/>         Description: IC MPU MPC83XX 333MHZ 516BGA<br/>         In stock: Out stock<br/> <a href="#">RFQ</a></p>  |
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|  <p><b>MPC8313ECZQADDB</b><br/>         Manufacturers: NXP Semiconductors / Freescale<br/>         Description: IC MPU MPC83XX 267MHZ 516BGA<br/>         In stock: Out stock<br/> <a href="#">RFQ</a></p> |  <p><b>MPC8313ECVRAGDB</b><br/>         Manufacturers: NXP Semiconductors / Freescale<br/>         Description: IC MPU MPC83XX 400MHZ 516BGA<br/>         In stock: Out stock<br/> <a href="#">RFQ</a></p> |