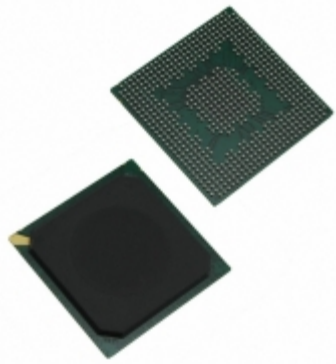


MPC8314CVRAFDA



Images are for reference only.  
See Product Specifications for product details.  
**Buy MPC8314CVRAFDA with confidence from Component-World.HK, 1 Year Warranty**



**Part Number:** [MPC8314CVRAFDA](#)

**Manufacturer:** [NXP Semiconductors / Freescale](#)

**Description:** IC MPU MPC83XX 333MHZ 620BGA

**Data sheet:**  [SATA-A-006187 Errata](#)  
 [MPC8314E PowerQUICC](#)  
 [SATA-A005255 Errata](#)  
 [TBI Link Status Errata](#)  
 [USB Errata](#)

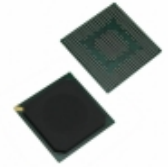
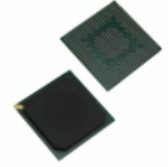
**RoHs Status:** Lead free / RoHS Compliant

**Ship From:** Hong Kong

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

[Request For Quotation](#)

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                           |                                |                                                                                                                                                                                            |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | MPC8314CVRAFDA                            | Manufacturer                   | <a href="#">NXP Semiconductors / Freescale</a>                                                                                                                                             |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | IC MPU MPC83XX 333MHZ 620BGA              | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                                                                                                                 |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 3641 pcs                                  | Data sheet                     | <a href="#">SATA-A-006187 Errata</a><br><a href="#">MPC8314E PowerQUICC</a><br><a href="#">SATA-A005255 Errata</a><br><a href="#">TBI Link Status Errata</a><br><a href="#">USB Errata</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        | 620-PBGA (29x29)                                                                                                                                                                           |
| Speed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 333MHz                                    | Series                         | MPC83xx                                                                                                                                                                                    |
| Security Features                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | -                                         | SATA                           | -                                                                                                                                                                                          |
| RAM Controllers                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | DDR, DDR2                                 | Packaging                      | Tray                                                                                                                                                                                       |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 620-BBGA Exposed Pad                      | Other Names                    | 935322838557                                                                                                                                                                               |
| 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 333MHz 620-PBGA (29x29)                                                                                                            |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | PowerPC e300c3                            | Co-Processors/DSP              | -                                                                                                                                                                                          |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | MPC8314                                   | Additional Interfaces          | DUART, HSSI, I <sup>2</sup> C, PCI, SPI, TDM                                                                                                                                               |
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| RELATED PRODUCTS                                                                   |                                                                                     |                                                               |                     |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------|---------------------|
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|  | Part#: <a href="#">MPC8314ECVRAFDA</a><br>Description: IC MPU MPC83XX 333MHZ 620BGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC8313ZQADDC</a><br>Description: IC MPU MPC83XX 267MHZ 516BGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC8314ECVRADDA</a><br>Description: IC MPU MPC83XX 266MHZ 620BGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC8313ZQADD</a><br>Description: IC MPU MPC83XX 267MHZ 516BGA    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC8313ZQAGDC</a><br>Description: IC MPU MPC83XX 400MHZ 516BGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC8314CVRAGDA</a><br>Description: IC MPU MPC83XX 400MHZ 620BGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC8314EVRADDA</a><br>Description: IC MPU MPC83XX 266MHZ 620BGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC8314CVRADDA</a><br>Description: IC MPU MPC83XX 266MHZ 620BGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC8314ECVRAGDA</a><br>Description: IC MPU MPC83XX 400MHZ 620BGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC8314EVRAFDA</a><br>Description: IC MPU MPC83XX 333MHZ 620BGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC8314EVRAGDA</a><br>Description: IC MPU MPC83XX 400MHZ 620BGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC8313VRAGDB</a><br>Description: IC MPU MPC83XX 400MHZ 516BGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC8314VRAGDA</a><br>Description: IC MPU MPC83XX 400MHZ 620BGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC8314VRAFDA</a><br>Description: IC MPU MPC83XX 333MHZ 620BGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC8313ZQAFFB</a><br>Description: IC MPU MPC83XX 333MHZ 516BGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC8313ZQAFF</a><br>Description: IC MPU MPC83XX 333MHZ 516BGA    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC8313ZQADDB</a><br>Description: IC MPU MPC83XX 267MHZ 516BGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC8314VRADDA</a><br>Description: IC MPU MPC83XX 266MHZ 620BGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC8313VRAFFB</a><br>Description: IC MPU MPC83XX 333MHZ 516BGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |

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