

MPC8280CVVQLDA



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**Part Number:** [MPC8280CVVQLDA](#)

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

**Description:** IC MPU MPC82XX 333MHZ 480TBGA

**Data sheet:**  [MPC8280 PowerQUICC II Family](#)

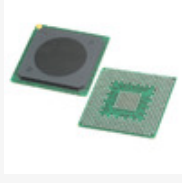
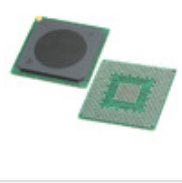
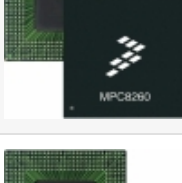
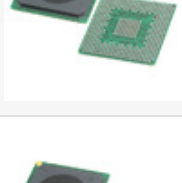
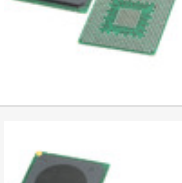
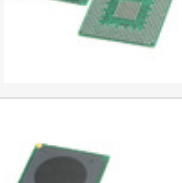
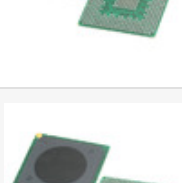
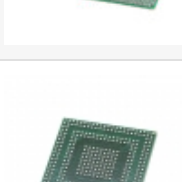
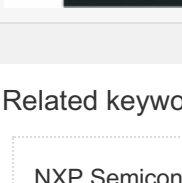
**RoHs Status:** Lead free / RoHS Compliant

**Ship From:** Hong Kong

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

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                       |                                           |                                |                                                                                    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                             | MPC8280CVVQLDA                            | Manufacturer                   | <a href="#">NXP Semiconductors / Freescale</a>                                     |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                             | IC MPU MPC82XX 333MHZ 480TBGA             | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                         |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                      | 536 pcs                                   | Data sheet                     | <a href="#">MPC8280 PowerQUICC II Family</a>                                       |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                | <a href="#">Integrated Circuits (ICs)</a> | Voltage - I/O                  | 3.3V                                                                               |
| USB                                                                                                                                                                                                                                                                                                                                                                                                                                     | USB 2.0 (1)                               | Supplier Device Package        | 480-TBGA (37.5x37.5)                                                               |
| Speed                                                                                                                                                                                                                                                                                                                                                                                                                                   | 333MHz                                    | Series                         | MPC82xx                                                                            |
| Security Features                                                                                                                                                                                                                                                                                                                                                                                                                       | -                                         | SATA                           | -                                                                                  |
| RAM Controllers                                                                                                                                                                                                                                                                                                                                                                                                                         | DRAM, SDRAM                               | Packaging                      | Tray                                                                               |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                          | 480-LBGA Exposed Pad                      | Other Names                    | 935324071557                                                                       |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                   | -40°C ~ 105°C (TA)                        | Number of Cores/Bus Width      | 1 Core, 32-Bit                                                                     |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                        | 4 (72 Hours)                              | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                         |
| Graphics Acceleration                                                                                                                                                                                                                                                                                                                                                                                                                   | No                                        | Ethernet                       | 10/100 Mbps (3)                                                                    |
| Display & Interface Controllers                                                                                                                                                                                                                                                                                                                                                                                                         | -                                         | Detailed Description           | PowerPC G2_LE Microprocessor IC MPC82xx 1 Core, 32-Bit 333MHz 480-TBGA (37.5x37.5) |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                          | PowerPC G2_LE                             | Co-Processors/DSP              | Communications; RISC CPM                                                           |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                        | MPC8280                                   | Additional Interfaces          | I <sup>2</sup> C, SCC, SMC, SPI, UART, USART                                       |
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| RELATED PRODUCTS                                                                   |                                                                                     |                                                               |                     |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------|---------------------|
|  | Part#: <a href="#">MPC8280VVUPEA</a><br>Description: IC MPU MPC82XX 450MHZ 480TBGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC8272ZQMIBA</a><br>Description: IC MPU MPC82XX 266MHZ 516BGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC8272VRTIEA</a><br>Description: IC MPU MPC82XX 400MHZ 516BGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC8272VRTMFA</a><br>Description: IC MPU MPC82XX 400MHZ 516BGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC8306-SOM</a><br>Description: MODULE BOARD FOR MPC830X         | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC8280ZUQLDA</a><br>Description: IC MPU MPC82XX 333MHZ 480TBGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC8280CVVUPEA</a><br>Description: IC MPU MPC82XX 450MHZ 480TBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC8280CZUUPEA</a><br>Description: IC MPU MPC82XX 450MHZ 480TBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC8280VVQLDA</a><br>Description: IC MPU MPC82XX 333MHZ 480TBGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC8272ZQTMFA</a><br>Description: IC MPU MPC82XX 400MHZ 516BGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC8275VRMIBA</a><br>Description: IC MPU MPC82XX 266MHZ 516BGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC8275ZQMIBA</a><br>Description: IC MPU MPC82XX 266MHZ 516BGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC8275CVRMIBA</a><br>Description: IC MPU MPC82XX 266MHZ 516BGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC8272ZQPIEA</a><br>Description: IC MPU MPC82XX 300MHZ 516BGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC8306-KIT</a><br>Description: KIT EVALUATION FOR MPC830X       | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC8275CZQMIBA</a><br>Description: IC MPU MPC82XX 266MHZ 516BGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC8306CVMABDCA</a><br>Description: IC MPU MPC83XX 133MHZ 369BGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC8280ZUUPEA</a><br>Description: IC MPU MPC82XX 450MHZ 480TBGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC8272ZQTIEA</a><br>Description: IC MPU MPC82XX 400MHZ 516BGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC8280CZUQLDA</a><br>Description: IC MPU MPC82XX 333MHZ 480TBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |

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