

MPC8535BVTANG



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See Product Specifications for product details.  
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**Part Number:** [MPC8535BVTANG](#)

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

**Description:** IC MPU MPC85XX 800MHZ 783FCBGA

**Data sheet:**  [MPIC Double Interrupt Errata](#)  
 [MPC8536E Fact Sheet](#)  
 [TBI Link Status Errata](#)  
 [MPC8535\(E\), MPC8536\(E\) Series](#)  
 [MPC8536E Ref Manual](#)

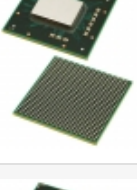
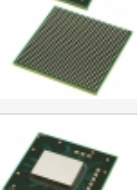
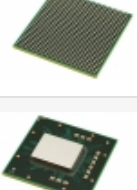
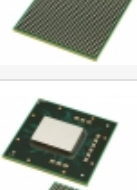
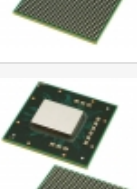
**RoHs Status:** Lead free / RoHS Compliant

**Ship From:** Hong Kong

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

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                 |                                  |                                                                                                                                                                                                                       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | MPC8535BVTANG                                                                   | Manufacturer                     | <a href="#">NXP Semiconductors / Freescale</a>                                                                                                                                                                        |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | IC MPU MPC85XX 800MHZ 783FCBGA                                                  | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                                                                                                            |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 4687 pcs                                                                        | Data sheet                       | <a href="#">MPIC Double Interrupt Errata</a><br><a href="#">MPC8536E Fact Sheet</a><br><a href="#">TBI Link Status Errata</a><br><a href="#">MPC8535(E), MPC8536(E) Series</a><br><a href="#">MPC8536E Ref Manual</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <a href="#">Integrated Circuits (ICs)</a>                                       | Voltage - I/O                    | 1.8V, 2.5V, 3.3V                                                                                                                                                                                                      |
| USB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | USB 2.0 (2)                                                                     | Supplier Device Package          | 783-FCPBGA (29x29)                                                                                                                                                                                                    |
| Speed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 800MHz                                                                          | Series                           | MPC85xx                                                                                                                                                                                                               |
| Security Features                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | -                                                                               | SATA                             | SATA 3Gbps (1)                                                                                                                                                                                                        |
| RAM Controllers                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | DDR2, DDR3                                                                      | Packaging                        | Tray                                                                                                                                                                                                                  |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 783-BBGA, FCBGA                                                                 | 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 e500 Microprocessor IC MPC85xx 1 Core, 32-Bit 800MHz 783-FCPBGA (29x29) | Core Processor                   | PowerPC e500                                                                                                                                                                                                          |
| Co-Processors/DSP                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | -                                                                               | Base Part Number                 | MPC8535                                                                                                                                                                                                               |
| Additional Interfaces                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | DUART, I <sup>2</sup> C, MMC/SD, PCI, SPI                                       |                                  |                                                                                                                                                                                                                       |
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| RELATED PRODUCTS                                                                   |                                                                                       |                                                               |                     |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------|---------------------|
|  | Part#: <a href="#">MPC8535AVTAQGA</a><br>Description: IC MPU MPC85XX 1.0GHZ 783FCBGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC8535BVTATHA</a><br>Description: IC MPU MPC85XX 1.25GHZ 783FCBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC8535BVJANGA</a><br>Description: IC MPU MPC85XX 800MHZ 783FCBGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC8535BVJATHA</a><br>Description: IC MPU MPC85XX 1.25GHZ 783FCBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC8535CVTATHA</a><br>Description: IC MPU MPC85XX 1.25GHZ 783FCBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC8535BVTATLA</a><br>Description: IC MPU MPC85XX 1.25GHZ 783FCBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC8535CVTAKGA</a><br>Description: IC MPU MPC85XX 600MHZ 783FCBGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC8535CVTAKG</a><br>Description: IC MPU MPC85XX 600MHZ 783FCBGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC8535BVTAQGA</a><br>Description: IC MPU MPC85XX 1.0GHZ 783FCBGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC8535AVTATH</a><br>Description: IC MPU MPC85XX 1.25GHZ 783FCBGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC8535BVTAKGA</a><br>Description: IC MPU MPC85XX 600MHZ 783FCBGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC8535CVTANGA</a><br>Description: IC MPU MPC85XX 800MHZ 783FCBGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC8535BVJAKGA</a><br>Description: IC MPU MPC85XX 600MHZ 783FCBGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
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|  | Part#: <a href="#">MPC8535BVJATLA</a><br>Description: IC MPU MPC85XX 1.25GHZ 783FCBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
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| Related keywords for MPC8535BVTANG |                                  |                                             |                            |
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