

MPC8544VTANG



**Part Number:** [MPC8544VTANG](#)

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

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

**Data sheet:**  [MPC8544E](#)

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

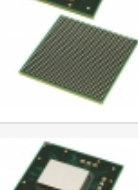
**Ship From:** Hong Kong

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

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See Product Specifications for product details.  
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                 |                                  |                                                |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|----------------------------------|------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | MPC8544VTANG                                                                    | Manufacturer                     | <a href="#">NXP Semiconductors / Freescale</a> |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | IC MPU MPC85XX 800MHZ 783FCBGA                                                  | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                     |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 813 pcs                                                                         | Data sheet                       | <a href="#">MPC8544E</a>                       |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <a href="#">Integrated Circuits (ICs)</a>                                       | Voltage - I/O                    | 1.8V, 2.5V, 3.3V                               |
| USB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | -                                                                               | Supplier Device Package          | 783-FCPBGA (29x29)                             |
| Speed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 800MHz                                                                          | Series                           | MPC85xx                                        |
| Security Features                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -                                                                               | SATA                             | -                                              |
| RAM Controllers                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | DDR, DDR2, SDRAM                                                                | 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Signal Processing; SPE                                                          | Base Part Number                 | MPC8544                                        |
| Additional Interfaces                                                                                                                                                                                                                                                                                                                                                                                                                                                                | DUART, I²C, PCI                                                                 |                                  |                                                |
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| RELATED PRODUCTS                                                                   |                                                                                      |                                                               |                     |
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|  | Part#: <a href="#">MPC8544EVTARJA</a><br>Description: IC MPU MPC85XX 1.067GHZ 783BGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC8544VTARJA</a><br>Description: IC MPU MPC85XX 1.067GHZ 783BGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC8545EPXANGD</a><br>Description: IC MPU MPC85XX 800MHZ 783FCBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC8544VTAQG</a><br>Description: IC MPU MPC85XX 1.0GHZ 783FCBGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC8544VTANGA</a><br>Description: IC MPU MPC85XX 800MHZ 783FCBGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
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|  | Part#: <a href="#">MPC8544VJANGA</a><br>Description: IC MPU MPC85XX 800MHZ 783FCBGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
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