

MPC8545VJATGD



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See Product Specifications for product details.  
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**Part Number:** [MPC8545VJATGD](#)

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

**Description:** IC MPU MPC85XX 1.2GHZ 783FCBGA

**Data sheet:**  [MPC8548E Fact Sheet](#)  
 [MPC8548E Chip Errata](#)  
 [MPIC Double Interrupt Errata](#)  
 [MPC8548E DataSheet](#)  
 [MPC8548E Ref Manual](#)

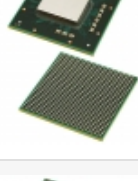
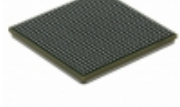
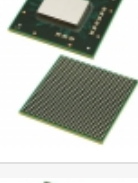
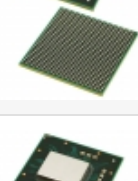
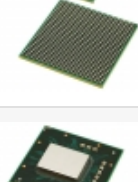
**RoHs Status:** Lead free / RoHS Compliant

**Ship From:** Hong Kong

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

Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                           |                                |                                                                                                                                                                                                          |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | MPC8545VJATGD                             | Manufacturer                   | <a href="#">NXP Semiconductors / Freescale</a>                                                                                                                                                           |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | IC MPU MPC85XX 1.2GHZ 783FCBGA            | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                                                                                                                               |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 606 pcs                                   | Data sheet                     | <a href="#">MPC8548E Fact Sheet</a><br><a href="#">MPC8548E Chip Errata</a><br><a href="#">MPIC Double Interrupt Errata</a><br><a href="#">MPC8548E DataSheet</a><br><a href="#">MPC8548E Ref Manual</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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1.2GHz                                    | Series                         | MPC85xx                                                                                                                                                                                                  |
| Security Features                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | -                                         | SATA                           | -                                                                                                                                                                                                        |
| RAM Controllers                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | DDR, DDR2, SDRAM                          | Packaging                      | Tray                                                                                                                                                                                                     |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 783-BBGA, FCBGA                           | Other Names                    | 935324852557                                                                                                                                                                                             |
| 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 (4)                                                                                                                                                                                     |
| Display & Interface Controllers                                                                                                                                                                                                                                                                                                                                                                                                                                                       | -                                         | Detailed Description           | PowerPC e500 Microprocessor IC MPC85xx 1 Core, 32-Bit 1.2GHz 783-FCPBGA (29x29)                                                                                                                          |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | PowerPC e500                              | Co-Processors/DSP              | Signal Processing; SPE                                                                                                                                                                                   |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | MPC8545                                   | Additional Interfaces          | DUART, I²C, PCI, RapidIO                                                                                                                                                                                 |
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| RELATED PRODUCTS                                                                   |                                                                                       |                                                               |                |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------|----------------|
|  | Part#: <a href="#">MPC8545VTANGB</a><br>Description: IC MPU MPC85XX 800MHZ 783FCBGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC8545VTAQGB</a><br>Description: IC MPU MPC85XX 1.0GHZ 783FCBGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MPC8547ECPXAQGB</a><br>Description: IC MPU MPC85XX 1.0GHZ 783FCBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC8545VUATG</a><br>Description: IC MPU MPC85XX 1.2GHZ 783FCBGA    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC8545PXANGD</a><br>Description: IC MPU MPC85XX 800MHZ 783FCBGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC8545VJAQGD</a><br>Description: IC MPU MPC85XX 1.0GHZ 783FCBGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC8545HXANG</a><br>Description: IC MPU MPC85XX 800MHZ 783FCBGA    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MPC8545HXAQG</a><br>Description: IC MPU MPC85XX 1.0GHZ 783FCBGA    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MPC8545VUANG</a><br>Description: IC MPU MPC85XX 800MHZ 783FCBGA    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC8545HXATG</a><br>Description: IC MPU MPC85XX 1.2GHZ 783FCBGA    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
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