

MPC8544EVTALF



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**Part Number:** [MPC8544EVTALF](#)

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

**Description:** IC MPU MPC85XX 667MHZ 783FCBGA

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

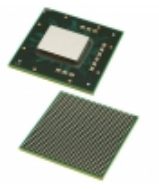
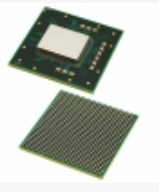
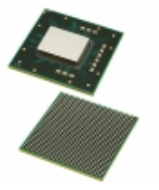
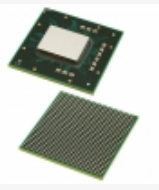
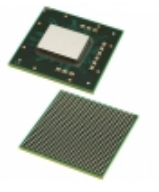
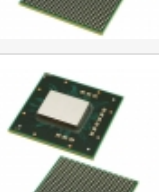
**RoHs Status:** Lead free / RoHS Compliant

**Ship From:** Hong Kong

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

Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                 |                                  |                                                |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|----------------------------------|------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                             | MPC8544EVTALF                                                                   | Manufacturer                     | <a href="#">NXP Semiconductors / Freescale</a> |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                             | IC MPU MPC85XX 667MHZ 783FCBGA                                                  | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                     |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                      | 5534 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                                                                                                                                                                                                                                                                                                                                                                                                                                   | 667MHz                                                                          | Series                           | MPC85xx                                        |
| Security Features                                                                                                                                                                                                                                                                                                                                                                                                                       | Cryptography, Random Number Generator                                           | 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 667MHz 783-FCPBGA (29x29) | Core Processor                   | PowerPC e500                                   |
| Co-Processors/DSP                                                                                                                                                                                                                                                                                                                                                                                                                       | Signal Processing; SPE, Security; SEC                                           | Base Part Number                 | MPC8544                                        |
| Additional Interfaces                                                                                                                                                                                                                                                                                                                                                                                                                   | DUART, I²C, PCI                                                                 |                                  |                                                |
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