



NXP Semiconductors / Freescale



Image may be representation. See specifications for product details.

MPC8544EAVTAQG

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | MPC8544EAVTAQG                                                                                               |
| Manufacturer/Brand: | NXP Semiconductors / Freescale                                                                               |
| Product description | IC MPU MPC85XX 1.0GHZ 783FCBGA                                                                               |
| Datasheets:         |  MPC8544EAVTAQG.pdf         |
| RoHs Status         |  Lead free / RoHS Compliant |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

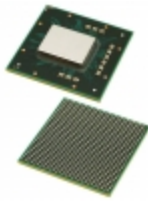
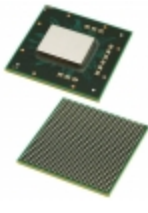
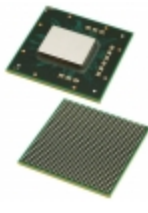
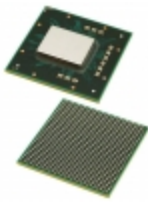
Specifications of MPC8544EAVTAQG

|                                  |                                                                                                        |
|----------------------------------|--------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | MPC8544EAVTAQG                                                                                         |
| MANUFACTURER                     | NXP Semiconductors / Freescale                                                                         |
| DESCRIPTION                      | IC MPU MPC85XX 1.0GHZ 783FCBGA                                                                         |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                             |
| DATA SHEET                       |  MPC8544EAVTAQG.pdf |
| VOLTAGE - I/O                    | 1.8V, 2.5V, 3.3V                                                                                       |
| USB                              | -                                                                                                      |
| SUPPLIER DEVICE PACKAGE          | 783-FCBGA (29x29)                                                                                      |
| SPEED                            | 1.0GHz                                                                                                 |
| 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 1.0GHz 783-FCBGA (29x29)                         |
| CORE PROCESSOR                   | PowerPC e500                                                                                           |
| CO-PROCESSORS/DSP                | Signal Processing; SPE, Security; SEC                                                                  |
| BASE PART NUMBER                 | MPC8544                                                                                                |
| ADDITIONAL INTERFACES            | DUART, I <sup>2</sup> C, PCI                                                                           |

Related Tags

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Related Products

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|  <div><b>MPC8544EAVTALFA</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU MPC85XX 667MHZ 783FCBGA<br/>In stock: Out stock<br/><div>RFQ</div></div> |  <div><b>MPC8544EAVTANG</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU MPC85XX 800MHZ 783FCBGA<br/>In stock: Out stock<br/><div>RFQ</div></div>  |
|  <div><b>MPC8544EAVTARJ</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU MPC85XX 1.067GHZ 783BGA<br/>In stock: Out stock<br/><div>RFQ</div></div>  |  <div><b>MPC8544EAVTALF</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU MPC85XX 667MHZ 783FCBGA<br/>In stock: Out stock<br/><div>RFQ</div></div>  |
|  <div><b>MPC8544EAVTAQGA</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU MPC85XX 1.0GHZ 783FCBGA<br/>In stock: Out stock<br/><div>RFQ</div></div> |  <div><b>MPC8544ECVJALFA</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU MPC85XX 667MHZ 783FCBGA<br/>In stock: Out stock<br/><div>RFQ</div></div> |
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|  <div><b>MPC8544ECVJANGA</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU MPC85XX 800MHZ 783FCBGA<br/>In stock: Out stock<br/><div>RFQ</div></div> |  <div><b>MPC8544EAVTANGA</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU MPC85XX 800MHZ 783FCBGA<br/>In stock: Out stock<br/><div>RFQ</div></div> |
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