

MPC8536BVJAVLA



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Part Number: MPC8536BVJAVLA

Manufacturer: NXP Semiconductors / Freescale

Description: IC MPU MPC85XX 1.5GHZ 783FCBGA

Data sheet:  [eSDHC Data Timeout Errata](#)  
 [MPIC Double Interrupt Errata](#)  
 [MPC8536E Fact Sheet](#)  
 [TBI Link Status Errata](#)  
 [MPC8536E Ref Manual](#)  
 [MPC8536E](#)

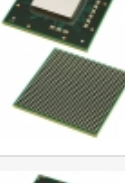
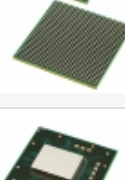
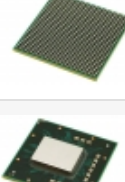
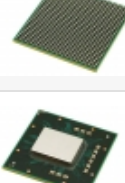
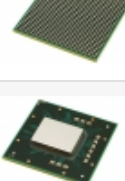
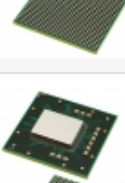
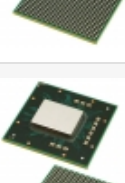
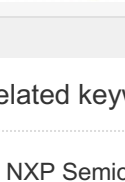
RoHs Status: Lead free / RoHS Compliant

Ship From: Hong Kong

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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                           |                                |                                                                                                                                                                                                                                               |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | MPC8536BVJAVLA                            | Manufacturer                   | <a href="#">NXP Semiconductors / Freescale</a>                                                                                                                                                                                                |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | IC MPU MPC85XX 1.5GHZ 783FCBGA            | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                                                                                                                                                                    |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 475 pcs                                   | Data sheet                     | <a href="#">eSDHC Data Timeout Errata</a><br><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="#">MPC8536E Ref Manual</a><br><a href="#">MPC8536E</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <a href="#">Integrated Circuits (ICs)</a> | Voltage - I/O                  | 1.8V, 2.5V, 3.3V                                                                                                                                                                                                                              |
| USB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | USB 2.0 (3)                               | Supplier Device Package        | 783-FCPBGA (29x29)                                                                                                                                                                                                                            |
| Speed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 1.5GHz                                    | Series                         | MPC85xx                                                                                                                                                                                                                                       |
| Security Features                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | -                                         | SATA                           | SATA 3Gbps (2)                                                                                                                                                                                                                                |
| RAM Controllers                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | DDR2, DDR3                                | Packaging                      | Tray                                                                                                                                                                                                                                          |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 783-BBGA, FCBGA                           | Other Names                    | 935325824557                                                                                                                                                                                                                                  |
| 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 1.5GHz 783-FCPBGA (29x29)                                                                                                                                                               |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | PowerPC e500                              | Co-Processors/DSP              | -                                                                                                                                                                                                                                             |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | MPC8536                                   | Additional Interfaces          | DUART, I²C, MMC/SD, PCI, SPI                                                                                                                                                                                                                  |
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| RELATED PRODUCTS                                                                   |                                                                                       |                                                               |                |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------|----------------|
|  | Part#: <a href="#">MPC8536AVTAULA</a><br>Description: IC MPU MPC85XX 1.333GHZ 783BGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC8536BVTANGA</a><br>Description: IC MPU MPC85XX 800MHZ 783FCBGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC8536BVTAQGG</a><br>Description: IC MPU MPC85XX 1.0GHZ 783FCBGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC8536CVJANGA</a><br>Description: IC MPU MPC85XX 800MHZ 783FCBGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC8536BVTAKG</a><br>Description: IC MPU MPC85XX 600MHZ 783FCBGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MPC8536BVJAKGA</a><br>Description: IC MPU MPC85XX 600MHZ 783FCBGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC8536BVTAQGA</a><br>Description: IC MPU MPC85XX 1.0GHZ 783FCBGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC8536BVJAQGA</a><br>Description: IC MPU MPC85XX 1.0GHZ 783FCBGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
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