

MPC8347EVVAJF



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See Product Specifications for product details.  
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**Part Number:** [MPC8347EVVAJF](#)

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

**Description:** IC MPU MPC83XX 533MHZ 672TBGA

**Data sheet:**  [MPC8347\(E\) Ref Manual](#)

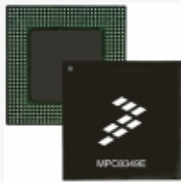
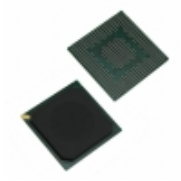
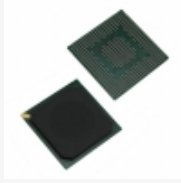
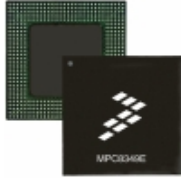
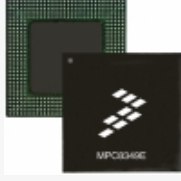
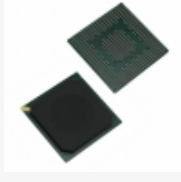
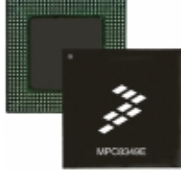
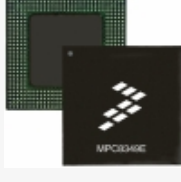
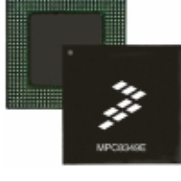
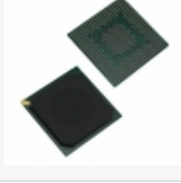
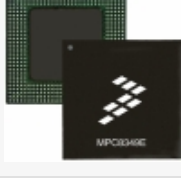
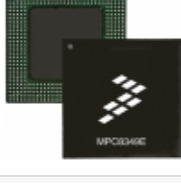
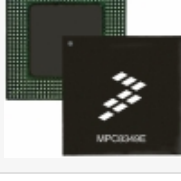
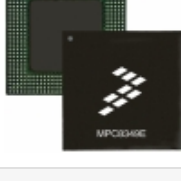
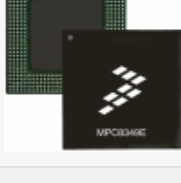
**RoHs Status:** Lead free / RoHS Compliant

**Ship From:** Hong Kong

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

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                               |                                  |                                                |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|----------------------------------|------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                            | MPC8347EVVAJF                                                                 | Manufacturer                     | <a href="#">NXP Semiconductors / Freescale</a> |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                            | IC MPU MPC83XX 533MHZ 672TBGA                                                 | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                     |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                     | 852 pcs                                                                       | Data sheet                       | <a href="#">MPC8347(E) Ref Manual</a>          |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                               | <a href="#">Integrated Circuits (ICs)</a>                                     | Voltage - I/O                    | 2.5V, 3.3V                                     |
| USB                                                                                                                                                                                                                                                                                                                                                                                                                                    | USB 2.0 + PHY (2)                                                             | Supplier Device Package          | 672-TBGA (35x35)                               |
| Speed                                                                                                                                                                                                                                                                                                                                                                                                                                  | 533MHz                                                                        | Series                           | MPC83xx                                        |
| Security Features                                                                                                                                                                                                                                                                                                                                                                                                                      | Cryptography, Random Number Generator                                         | SATA                             | -                                              |
| RAM Controllers                                                                                                                                                                                                                                                                                                                                                                                                                        | DDR                                                                           | Packaging                        | Tray                                           |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                         | 672-LBGA                                                                      | 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 e300 Microprocessor IC MPC83xx 1 Core, 32-Bit 533MHz 672-TBGA (35x35) | Core Processor                   | PowerPC e300                                   |
| Co-Processors/DSP                                                                                                                                                                                                                                                                                                                                                                                                                      | Security; SEC                                                                 | Base Part Number                 | MPC8347                                        |
| Additional Interfaces                                                                                                                                                                                                                                                                                                                                                                                                                  | DUART, I <sup>2</sup> C, PCI, SPI                                             |                                  |                                                |
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| RELATED PRODUCTS                                                                   |                                                                                      |                                                               |                     |
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|  | Part#: <a href="#">MPC8347EVVAJFB</a><br>Description: IC MPU MPC83XX 533MHZ 672TBGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC8347EVRADDB</a><br>Description: IC MPU MPC83XX 266MHZ 620BGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC8347EVRADD</a><br>Description: IC MPU MPC83XX 266MHZ 620BGA    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC8347ECZUAJFB</a><br>Description: IC MPU MPC83XX 533MHZ 672TBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC8347EZUAGDB</a><br>Description: IC MPU MPC83XX 400MHZ 672TBGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC8347EVRAGD</a><br>Description: IC MPU MPC83XX 400MHZ 620BGA    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
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