

MPC8347ECVRAGD



Part Number: [MPC8347ECVRAGD](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MPU MPC83XX 400MHZ 620BGA

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

RoHs Status: Lead free / RoHS Compliant

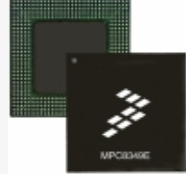
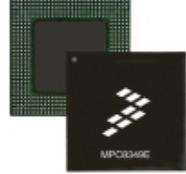
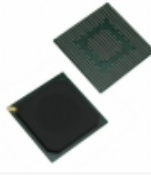
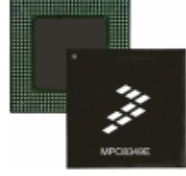
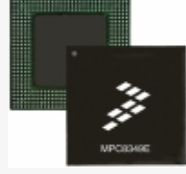
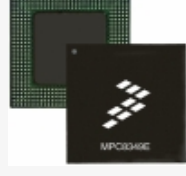
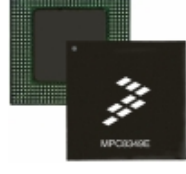
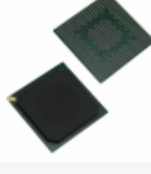
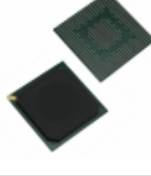
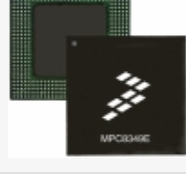
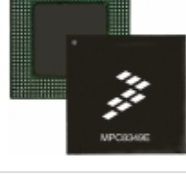
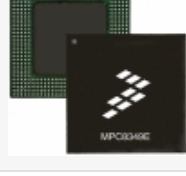
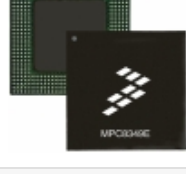
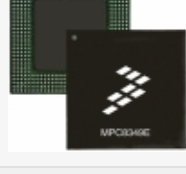
Ship From: Hong Kong

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

Images are for reference only.  
See Product Specifications for product details.  
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                               |                                  |                                                |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|----------------------------------|------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                              | MPC8347ECVRAGD                                                                | Manufacturer                     | <a href="#">NXP Semiconductors / Freescale</a> |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                              | IC MPU MPC83XX 400MHZ 620BGA                                                  | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                     |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                       | 4336 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          | 620-PBGA (29x29)                               |
| Speed                                                                                                                                                                                                                                                                                                                                                                                                                                    | 400MHz                                                                        | Series                           | MPC83xx                                        |
| Security Features                                                                                                                                                                                                                                                                                                                                                                                                                        | Cryptography, Random Number Generator                                         | SATA                             | -                                              |
| RAM Controllers                                                                                                                                                                                                                                                                                                                                                                                                                          | DDR                                                                           | Packaging                        | Tray                                           |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                           | 620-BBGA Exposed Pad                                                          | Operating Temperature            | -40°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 400MHz 620-PBGA (29x29) | 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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