

KMC8358ECZQAGDGA



Part Number: [KMC8358ECZQAGDGA](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MPU MPC83XX 400MHZ 668BGA

Data sheet:  [MPC8358E](#)

RoHs Status: Lead free / RoHS Compliant

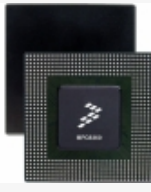
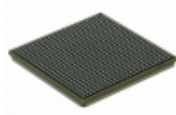
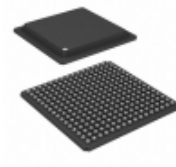
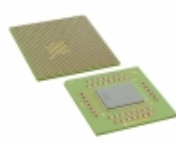
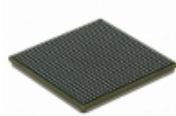
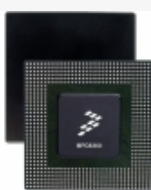
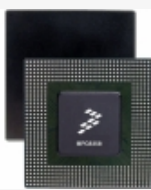
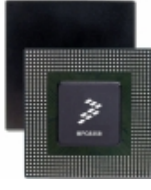
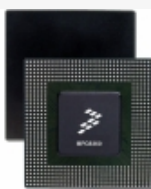
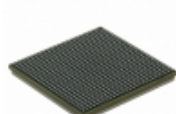
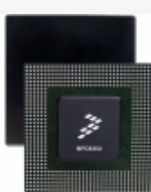
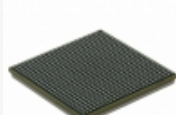
Ship From: Hong Kong

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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                   |                                  |                                                |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------------------------|------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                | KMC8358ECZQAGDGA                                                                  | Manufacturer                     | <a href="#">NXP Semiconductors / Freescale</a> |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                | IC MPU MPC83XX 400MHZ 668BGA                                                      | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                     |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                         | 5313 pcs                                                                          | Data sheet                       | <a href="#">MPC8358E</a>                       |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                   | <a href="#">Integrated Circuits (ICs)</a>                                         | Voltage - I/O                    | 1.8V, 2.5V, 3.3V                               |
| USB                                                                                                                                                                                                                                                                                                                                                                                                                                        | USB 1.x (1)                                                                       | Supplier Device Package          | 668-PBGA-PGE (29x29)                           |
| Speed                                                                                                                                                                                                                                                                                                                                                                                                                                      | 400MHz                                                                            | Series                           | MPC83xx                                        |
| Security Features                                                                                                                                                                                                                                                                                                                                                                                                                          | Cryptography, Random Number Generator                                             | SATA                             | -                                              |
| RAM Controllers                                                                                                                                                                                                                                                                                                                                                                                                                            | DDR, DDR2                                                                         | Packaging                        | Tray                                           |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                             | 668-BBGA Exposed Pad                                                              | Operating Temperature            | -40°C ~ 105°C (TA)                             |
| Number of Cores/Bus Width                                                                                                                                                                                                                                                                                                                                                                                                                  | 1 Core, 32-Bit                                                                    | Moisture Sensitivity Level (MSL) | 1 (Unlimited)                                  |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                             | Lead free / RoHS Compliant                                                        | Graphics Acceleration            | No                                             |
| Ethernet                                                                                                                                                                                                                                                                                                                                                                                                                                   | 10/100/1000 Mbps (1)                                                              | Display & Interface Controllers  | -                                              |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                       | PowerPC e300 Microprocessor IC MPC83xx 1 Core, 32-Bit 400MHz 668-PBGA-PGE (29x29) | Core Processor                   | PowerPC e300                                   |
| Co-Processors/DSP                                                                                                                                                                                                                                                                                                                                                                                                                          | Communications; QUICC Engine, Security; SEC                                       | Base Part Number                 | MC8358                                         |
| Additional Interfaces                                                                                                                                                                                                                                                                                                                                                                                                                      | DUART, HDLC, I <sup>2</sup> C, PCI, SPI, UART                                     |                                  |                                                |
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|  | Part#: <a href="#">KMC8360CVVAJDGA</a><br>Description: IC MPU MPC83XX 533MHZ 740TBGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">KMC8144VT1000A</a><br>Description: IC DSP 783FCBGA                  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">KMC8358ECZUAGDGA</a><br>Description: IC MPU MPC83XX 400MHZ 740TBGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">KMC850DSLQZQ50BU</a><br>Description: IC MPU MPC8XX 50MHZ 256BGA     | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">KMC8641DHX1333JC</a><br>Description: IC MPU MPC86XX 1.333GHZ 994BGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">KMC8360ECVVAJDGA</a><br>Description: IC MPU MPC83XX 533MHZ 740TBGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">KMC8144VT800A</a><br>Description: IC DSP 783FCBGA                   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">KMC8610VT1333JB</a><br>Description: IC MPU MPC86XX 1.333GHZ 783BGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">KMC8358ECVRAGDGA</a><br>Description: IC MPU MPC83XX 400MHZ 668BGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">KMC8358ECVRAGDDA</a><br>Description: IC MPU MPC83XX 400MHZ 668BGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">KMC8610VT1066JB</a><br>Description: IC MPU MPC86XX 1.066GHZ 783BGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">KMC8358ECVVAGDGA</a><br>Description: IC MPU MPC83XX 400MHZ 740TBGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
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