

KMPC8358VRAGDDA



Part Number: [KMPC8358VRAGDDA](#)

Manufacturer [NXP Semiconductors / Freescale](#)

Description IC MPU MPC83XX 400MHZ 668BGA

Data sheet:  [MPC8358E](#)

RoHs Status: Lead free / RoHS Compliant

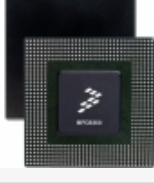
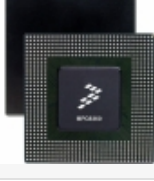
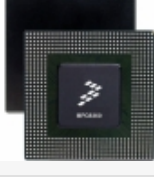
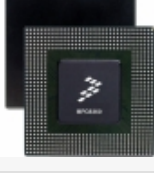
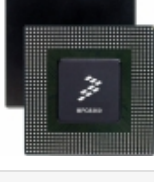
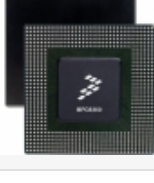
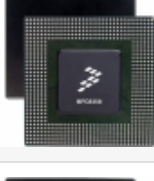
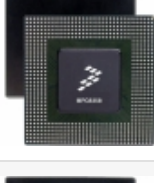
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                   |                                  |                                                |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------------------------|------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | KMPC8358VRAGDDA                                                                   | Manufacturer                     | <a href="#">NXP Semiconductors / Freescale</a> |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | IC MPU MPC83XX 400MHZ 668BGA                                                      | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                     |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 4313 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | -                                                                                 | SATA                             | -                                              |
| RAM Controllers                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | DDR, DDR2                                                                         | Packaging                        | Tray                                           |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 668-BBGA Exposed Pad                                                              | Operating Temperature            | 0°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                                                      | Base Part Number                 | MPC8358                                        |
| Additional Interfaces                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | DUART, HDLC, I <sup>2</sup> C, PCI, SPI, UART                                     |                                  |                                                |
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