

MPC8358ZUAGDG



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**Part Number:** [MPC8358ZUAGDG](#)

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

**Description:** IC MPU MPC83XX 400MHZ 740TBGA

**Data sheet:**  [MPC8358E White Paper](#)  
 [MPC8360E/MPC8358E](#)

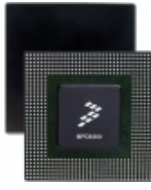
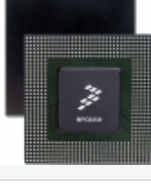
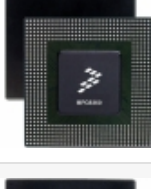
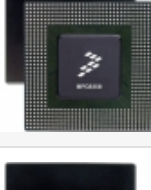
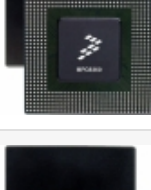
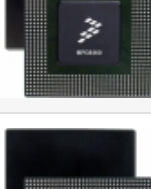
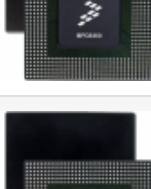
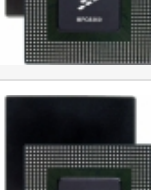
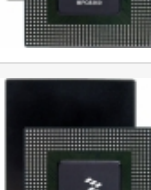
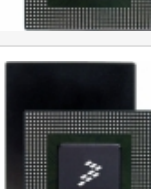
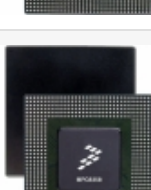
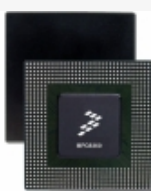
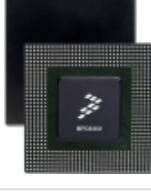
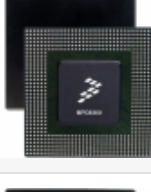
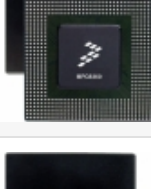
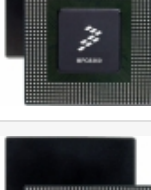
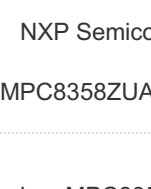
**RoHs Status:** Contains lead / RoHS non-compliant

**Ship From:** Hong Kong

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

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                   |                                  |                                                                           |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------------------------|---------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | MPC8358ZUAGDG                                                                     | Manufacturer                     | <a href="#">NXP Semiconductors / Freescale</a>                            |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | IC MPU MPC83XX 400MHZ 740TBGA                                                     | Lead Free Status / RoHS Status   | Contains lead / RoHS non-compliant                                        |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 4143 pcs                                                                          | Data sheet                       | <a href="#">MPC8358E White Paper</a><br><a href="#">MPC8360E/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          | 740-TBGA (37.5x37.5)                                                      |
| Speed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 400MHz                                                                            | Series                           | MPC83xx                                                                   |
| Security Features                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | -                                                                                 | SATA                             | -                                                                         |
| RAM Controllers                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | DDR, DDR2                                                                         | Packaging                        | Tray                                                                      |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 740-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                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Contains lead / RoHS non-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 740-TBGA (37.5x37.5) | 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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| RELATED PRODUCTS                                                                   |                                                                                      |                                                               |                     |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------|---------------------|
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|  | Part#: <a href="#">MPC8358VRAGDGA</a><br>Description: IC MPU MPC83XX 400MHZ 668BGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC8360CVVAGDG</a><br>Description: IC MPU MPC83XX 400MHZ 740TBGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC8358ZQAGDGA</a><br>Description: IC MPU MPC83XX 400MHZ 668BGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC8360CVVAJDGA</a><br>Description: IC MPU MPC83XX 533MHZ 740TBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC8358VVADDE</a><br>Description: IC MPU MPC83XX 266MHZ 740TBGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC8360CZUAJDG</a><br>Description: IC MPU MPC83XX 533MHZ 740TBGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC8360CZUAGDG</a><br>Description: IC MPU MPC83XX 400MHZ 740TBGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
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|  | Part#: <a href="#">MPC8360CVVAGDGA</a><br>Description: IC MPU MPC83XX 400MHZ 740TBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC8360CZUAGDGA</a><br>Description: IC MPU MPC83XX 400MHZ 740TBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC8358ZQADDDA</a><br>Description: IC MPU MPC83XX 266MHZ 668BGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC8358ZQAGDDA</a><br>Description: IC MPU MPC83XX 400MHZ 668BGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC8358ZUADDE</a><br>Description: IC MPU MPC83XX 266MHZ 740TBGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC8360CVVAJDG</a><br>Description: IC MPU MPC83XX 533MHZ 740TBGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
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