

MC8641DVU1000GE



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**Part Number:** [MC8641DVU1000GE](#)

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

**Description:** IC MPU MPC86XX 1.0GHZ 1023FCCBGA

**Data sheet:**  [MPIC Double Interrupt Errata](#)  
 [MCP8641\(D\)](#)

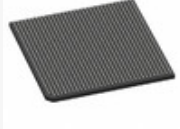
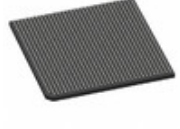
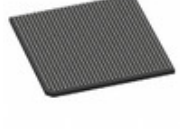
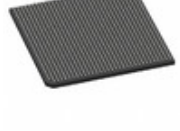
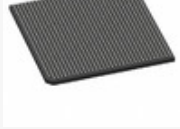
**RoHs Status:** Lead free / RoHS Compliant

**Ship From:** Hong Kong

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

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                  |                                  |                                                                            |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|----------------------------------|----------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | MC8641DVU1000GE                                                                  | Manufacturer                     | <a href="#">NXP Semiconductors / Freescale</a>                             |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | IC MPU MPC86XX 1.0GHZ 1023FCCBGA                                                 | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                 |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 5826 pcs                                                                         | Data sheet                       | <a href="#">MPIC Double Interrupt Errata</a><br><a href="#">MCP8641(D)</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <a href="#">Integrated Circuits (ICs)</a>                                        | Voltage - I/O                    | 1.8V, 2.5V, 3.3V                                                           |
| USB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | -                                                                                | Supplier Device Package          | 1023-FCCBGA (33x33)                                                        |
| Speed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1.0GHz                                                                           | Series                           | MPC86xx                                                                    |
| Security Features                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | -                                                                                | SATA                             | -                                                                          |
| RAM Controllers                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | DDR, DDR2                                                                        | Packaging                        | Tray                                                                       |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 1023-BCBGA, FCCBGA                                                               | Operating Temperature            | 0°C ~ 105°C (TA)                                                           |
| Number of Cores/Bus Width                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 2 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 (4)                                                             | Display & Interface Controllers  | -                                                                          |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | PowerPC e600 Microprocessor IC MPC86xx 2 Core, 32-Bit 1.0GHz 1023-FCCBGA (33x33) | Core Processor                   | PowerPC e600                                                               |
| Co-Processors/DSP                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | -                                                                                | Base Part Number                 | MC8641                                                                     |
| Additional Interfaces                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | DUART, HSSI, I <sup>2</sup> C, RapidIO                                           |                                  |                                                                            |
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| RELATED PRODUCTS                                                                   |                                                                                          |                                                               |                     |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|---------------------------------------------------------------|---------------------|
|  | Part#: <a href="#">MC8641DTVU1333JE</a><br>Description: IC MPU MPC86XX 1.333GHZ 1023BGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MC8641DVU1500KB</a><br>Description: IC MPU MPC86XX 1.5GHZ 1023FCCBGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
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|  | Part#: <a href="#">MC8641DVU1000GC</a><br>Description: IC MPU MPC86XX 1.0GHZ 1023FCCBGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MC8641DTVU1250HE</a><br>Description: IC MPU MPC86XX 1.25GHZ 1023BGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MC8641DVU1000GB</a><br>Description: IC MPU MPC86XX 1.0GHZ 1023FCCBGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
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|  | Part#: <a href="#">MC8641DVJ1500KE</a><br>Description: IC MPU E600 DUAL CORE 1023FCCBGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MC8641DVU1250HB</a><br>Description: IC MPU MPC86XX 1.25GHZ 1023BGA    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MC8641DVU1000NC</a><br>Description: IC MPU MPC86XX 1.0GHZ 1023FCCBGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MC8641DVU1000NB</a><br>Description: IC MPU MPC86XX 1.0GHZ 1023FCCBGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MC8641DVU1250HC</a><br>Description: IC MPU MPC86XX 1.25GHZ 1023BGA    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MC8641DVJ1000NE</a><br>Description: IC MPU E600 DUAL CORE 1023FCCBGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MC8641DTVU1250HC</a><br>Description: IC MPU MPC86XX 1.25GHZ 1023BGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MC8641DVJ1333JE</a><br>Description: IC MPU E600 DUAL CORE 1023FCCBGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MC8641DVU1333JB</a><br>Description: IC MPU MPC86XX 1.333GHZ 1023BGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
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|  | Part#: <a href="#">MC8641DVU1333JC</a><br>Description: IC MPU MPC86XX 1.333GHZ 1023BGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |

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