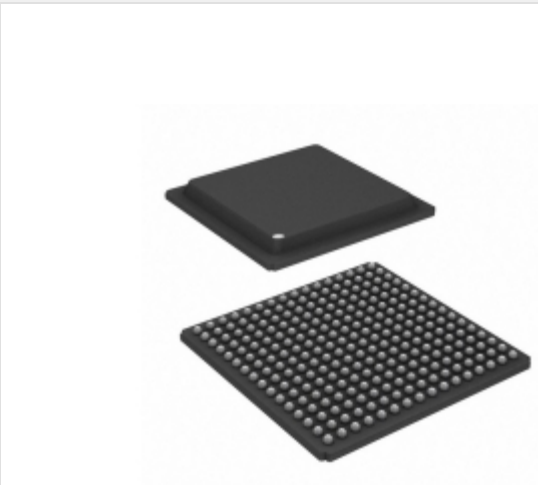


MPC850ZQ66BU



**Part Number:** MPC850ZQ66BU

**Manufacturer:** NXP Semiconductors / Freescale

**Description:** IC MPU MPC8XX 66MHZ 256BGA

**Data sheet:**  [MPC850 PowerQUICC](#)

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

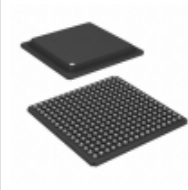
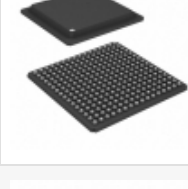
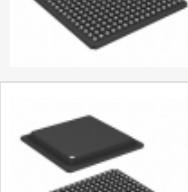
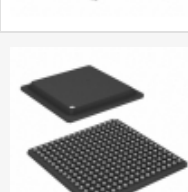
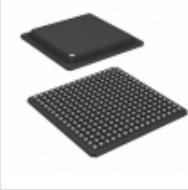
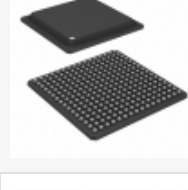
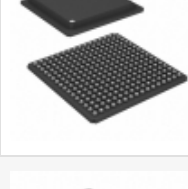
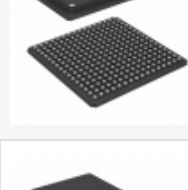
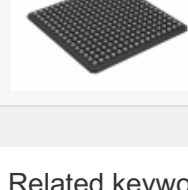
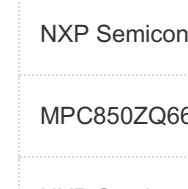
**Ship From:** Hong Kong

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

Images are for reference only.  
See Product Specifications for product details.  
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                       |                                  |                                                |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|----------------------------------|------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                            | MPC850ZQ66BU                                                          | Manufacturer                     | <a href="#">NXP Semiconductors / Freescale</a> |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                            | IC MPU MPC8XX 66MHZ 256BGA                                            | Lead Free Status / RoHS Status   | Contains lead / RoHS non-compliant             |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                     | 4463 pcs                                                              | Data sheet                       | <a href="#">MPC850 PowerQUICC</a>              |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                               | <a href="#">Integrated Circuits (ICs)</a>                             | Voltage - I/O                    | 3.3V                                           |
| USB                                                                                                                                                                                                                                                                                                                                                                                                                                    | USB 1.x (1)                                                           | Supplier Device Package          | 256-PBGA (23x23)                               |
| Speed                                                                                                                                                                                                                                                                                                                                                                                                                                  | 66MHz                                                                 | Series                           | MPC8xx                                         |
| Security Features                                                                                                                                                                                                                                                                                                                                                                                                                      | -                                                                     | SATA                             | -                                              |
| RAM Controllers                                                                                                                                                                                                                                                                                                                                                                                                                        | DRAM                                                                  | Packaging                        | Tray                                           |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                         | 256-BBGA                                                              | Operating Temperature            | 0°C ~ 95°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 Mbps (1)                                                           | Display & Interface Controllers  | -                                              |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                   | MPC8xx Microprocessor IC MPC8xx 1 Core, 32-Bit 66MHz 256-PBGA (23x23) | Core Processor                   | MPC8xx                                         |
| Co-Processors/DSP                                                                                                                                                                                                                                                                                                                                                                                                                      | Communications; CPM                                                   | Base Part Number                 | MPC850                                         |
| Additional Interfaces                                                                                                                                                                                                                                                                                                                                                                                                                  | HDLC/SDLC, I <sup>2</sup> C, IrDA, PCMCIA-ATA, TDM, UART/USART        |                                  |                                                |
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| RELATED PRODUCTS                                                                   |                                                                                   |                                                               |                     |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------|---------------------|
|  | Part#: <a href="#">MPC852TVR100</a><br>Description: IC MPU MPC8XX 100MHZ 256BGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC852TCZT66A</a><br>Description: IC MPU MPC8XX 66MHZ 256BGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC850VR50BU</a><br>Description: IC MPU MPC8XX 50MHZ 256BGA    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC852TCVR66A</a><br>Description: IC MPU MPC8XX 66MHZ 256BGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC850SRZQ50BU</a><br>Description: IC MPU MPC8XX 50MHZ 256BGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC850SRVR80BU</a><br>Description: IC MPU MPC8XX 80MHZ 256BGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC852TCZT80A</a><br>Description: IC MPU MPC8XX 80MHZ 256BGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC850ZQ50BU</a><br>Description: IC MPU MPC8XX 50MHZ 256BGA    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC850SRVR66BU</a><br>Description: IC MPU MPC8XX 66MHZ 256BGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC850SRZQ80BU</a><br>Description: IC MPU MPC8XX 80MHZ 256BGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC850SRVR50BU</a><br>Description: IC MPU MPC8XX 50MHZ 256BGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC852TCVR80A</a><br>Description: IC MPU MPC8XX 80MHZ 256BGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC850VR66BU</a><br>Description: IC MPU MPC8XX 66MHZ 256BGA    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC852TCZT50A</a><br>Description: IC MPU MPC8XX 50MHZ 256BGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC850SRZQ66BU</a><br>Description: IC MPU MPC8XX 66MHZ 256BGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC850ZQ80BU</a><br>Description: IC MPU MPC8XX 80MHZ 256BGA    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC852TCZT100A</a><br>Description: IC MPU MPC8XX 100MHZ 256BGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC850VR80BU</a><br>Description: IC MPU MPC8XX 80MHZ 256BGA    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC852TCVR50A</a><br>Description: IC MPU MPC8XX 50MHZ 256BGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC852TCVR100A</a><br>Description: IC MPU MPC8XX 100MHZ 256BGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |

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