

KMPC850SRVR80BU



Part Number: [KMPC850SRVR80BU](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MPU MPC8XX 80MHZ 256BGA

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

RoHs Status: Lead free / RoHS Compliant

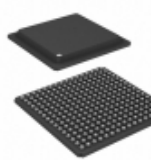
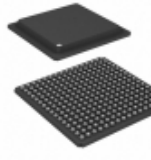
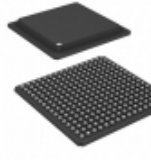
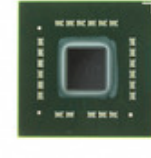
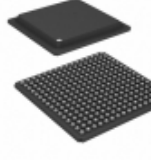
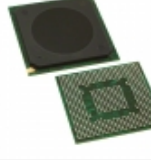
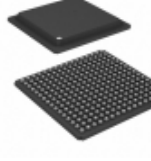
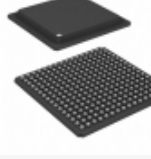
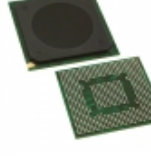
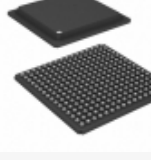
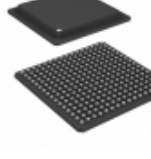
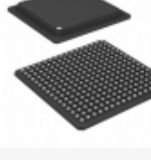
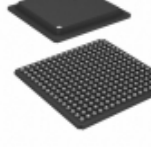
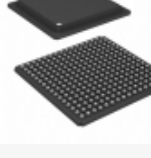
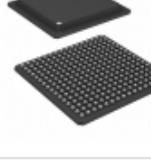
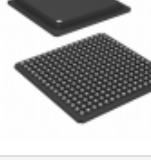
Ship From: Hong Kong

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

Images are for reference only.  
See Product Specifications for product details.  
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                       |                                  |                                                             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|----------------------------------|-------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | KMPC850SRVR80BU                                                       | Manufacturer                     | <a href="#">NXP Semiconductors / Freescale</a>              |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | IC MPU MPC8XX 80MHZ 256BGA                                            | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                  |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 5459 pcs                                                              | Data sheet                       | <a href="#">MPC850 PowerQUICC</a><br><a href="#">MPC850</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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 80MHz                                                                 | 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                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Lead free / RoHS Compliant                                            | Graphics Acceleration            | No                                                          |
| Ethernet                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 10 Mbps (1)                                                           | Display & Interface Controllers  | -                                                           |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | MPC8xx Microprocessor IC MPC8xx 1 Core, 32-Bit 80MHz 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                                                                   |                                                                                      |                                                               |                |
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|  | Part#: <a href="#">KMPC852TCVR100A</a><br>Description: IC MPU MPC8XX 100MHZ 256BGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">KMPC850SRCVR66BU</a><br>Description: IC MPU MPC8XX 66MHZ 256BGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">KMPC853TZT66A</a><br>Description: IC MPU MPC8XX 166MHZ 256BGA     | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">KMPC8533EVTAGG</a><br>Description: IC MPU MPC85XX 1.0GHZ 783FCBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">KMPC850SRZQ50BU</a><br>Description: IC MPU MPC8XX 50MHZ 256BGA    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">KMPC8379EVRALG</a><br>Description: IC MPU MPC83XX 667MHZ 689TEBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">KMPC850DECVR50BU</a><br>Description: IC MPU MPC8XX 50MHZ 256BGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">KMPC850DSLVR50BU</a><br>Description: IC MPU MPC8XX 50MHZ 256BGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">KMPC8379VRALG</a><br>Description: IC MPU MPC83XX 667MHZ 689TEBGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">KMPC853TVR100A</a><br>Description: IC MPU MPC8XX 100MHZ 256BGA    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">KMPC850DSLZQ50BU</a><br>Description: IC MPU MPC8XX 50MHZ 256BGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">KMPC850DEZQ50BU</a><br>Description: IC MPU MPC8XX 50MHZ 256BGA    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
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