

MPC823ZQ75B2T



Part Number: [MPC823ZQ75B2T](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MPU MPC8XX 75MHZ 256BGA

Data sheet:  [XPC823\(E\) Fact Sheet](#)  
 [MPC823 Product Brief](#)  
 [MPC823 AC Elect Spec](#)

RoHs Status: Contains lead / RoHS non-compliant

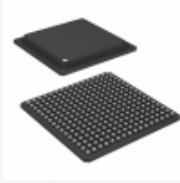
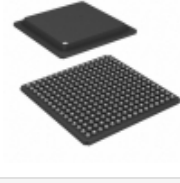
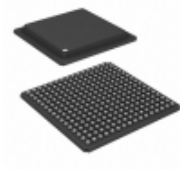
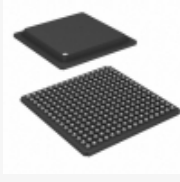
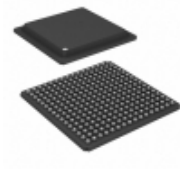
Ship From: Hong Kong

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

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

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                        |                                  |                                                                                                                      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|----------------------------------|----------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | MPC823ZQ75B2T                                                          | Manufacturer                     | <a href="#">NXP Semiconductors / Freescale</a>                                                                       |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | IC MPU MPC8XX 75MHZ 256BGA                                             | Lead Free Status / RoHS Status   | Contains lead / RoHS non-compliant                                                                                   |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 5309 pcs                                                               | Data sheet                       | <a href="#">XPC823(E) Fact Sheet</a><br><a href="#">MPC823 Product Brief</a><br><a href="#">MPC823 AC Elect Spec</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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 75MHz                                                                  | 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  | LCD, Video                                                                                                           |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | PowerPC Microprocessor IC MPC8xx 1 Core, 32-Bit 75MHz 256-PBGA (23x23) | Core Processor                   | PowerPC                                                                                                              |
| Co-Processors/DSP                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Communications; RISC CPM                                               | Base Part Number                 | MPC823                                                                                                               |
| Additional Interfaces                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | I <sup>2</sup> C, SMC, SCC, SPI, UART                                  |                                  |                                                                                                                      |
| Component-World.com is a Reliable Stocking Distributor of Electronic Components. We specialize in all NXP Semiconductors / Freescale series electronic components. We have 5309 pieces of NXP Semiconductors / Freescale MPC823ZQ75B2T in stock available now. Request a quote from electronics components distributor at Component-World.com, our sales team will contact you within 24 hours.<br>RFQ Email: <a href="mailto:info@Components-World.com">info@Components-World.com</a> |                                                                        |                                  |                                                                                                                      |

| RELATED PRODUCTS                                                                   |                                                                                    |                                                               |                |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|---------------------------------------------------------------|----------------|
|  | Part#: <a href="#">MPC8241LVR200D</a><br>Description: IC MPU MPC82XX 200MHZ 357BGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC8-2YD24V</a><br>Description: PNL MNT 24V YELLOW 5MM          | Manufacturers: <a href="#">Bivar, Inc.</a>                    | <div>RFQ</div> |
|  | Part#: <a href="#">MPC823FADS</a><br>Description: KIT APPLICATION DEV 823 FAMILY   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC823VR75B2T</a><br>Description: IC MPU MPC8XX 75MHZ 256BGA    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC823ZQ81B2T</a><br>Description: IC MPU MPC8XX 81MHZ 256BGA    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC8241LZQ266D</a><br>Description: IC MPU MPC82XX 266MHZ 357BGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC8241LZQ200D</a><br>Description: IC MPU MPC82XX 200MHZ 357BGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC8241TVR166D</a><br>Description: IC MPU MPC82XX 166MHZ 357BGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC823VR66B2T</a><br>Description: IC MPU MPC8XX 66MHZ 256BGA    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC8241TZQ166D</a><br>Description: IC MPU MPC82XX 166MHZ 357BGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC8-2YD220V</a><br>Description: PNL MNT 220V YELLOW 5MM        | Manufacturers: <a href="#">Bivar, Inc.</a>                    | <div>RFQ</div> |
|  | Part#: <a href="#">MPC823CZQ66B2T</a><br>Description: IC MPU MPC8XX 66MHZ 256BGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC823ZQ66B2T</a><br>Description: IC MPU MPC8XX 66MHZ 256BGA    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC8241TVR200D</a><br>Description: IC MPU MPC82XX 200MHZ 357BGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC8-2YD12V</a><br>Description: PNL MNT 12V YELLOW 5MM          | Manufacturers: <a href="#">Bivar, Inc.</a>                    | <div>RFQ</div> |
|  | Part#: <a href="#">MPC823VR81B2T</a><br>Description: IC MPU MPC8XX 81MHZ 256BGA    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC8241LVR266D</a><br>Description: IC MPU MPC82XX 266MHZ 357BGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC8241LZQ166D</a><br>Description: IC MPU MPC82XX 166MHZ 357BGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC823CVR66B2T</a><br>Description: IC MPU MPC8XX 66MHZ 256BGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC8241LVR166D</a><br>Description: IC MPU MPC82XX 166MHZ 357BGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |

| Related keywords for MPC823ZQ75B2T           |                                  |                         |                                             |
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| NXP USA Inc. MPC823ZQ75B2T                   |                                  |                         |                                             |