

Image may be representation.
See specifications for product details.



MPC823VR81B2T

| | |
|--------------------------|--------------------------------------------------------------------|
| Manufacturer Part Number | MPC823VR81B2T |
| Manufacturer | NXP Semiconductors |
| Allelco Part Number | 32D-MPC823VR81B2T |
| ECAD Model | Request Free CAD Models |
| Parts Description | IC MPU MPC8XX 81MHZ 256BGA |
| Package | 256-BBGA |
| Data sheet | MPC823 AC Elect Spec.pdf MPC823 Product Brief.pdf |
| RoHs Status | ROHS3 Compliant |

Get a Quote

MPC823VR81B2T - NXP USA Inc..New Original in Stock. Download Linear Technology MPC823VR81B2T datasheet/specifications on AllelcoElec.com.
Request a quote for MPC823VR81B2T, please send us email: info@allelco.com

Specifications

MPC823VR81B2T Tech Specifications

MPC823VR81B2T - NXP USA Inc. technical specifications, attributes, parameters

| Product Attribute | Attribute Value | Product Attribute | Attribute Value |
|-------------------------|--------------------|---------------------------------|---------------------------------------|
| Manufacturer | NXP Semiconductors | Operating Temperature | 0°C ~ 95°C (TA) |
| Voltage - I/O | 3.3V | Number of Cores/Bus Width | 1 Core, 32-Bit |
| USB | USB 1.x (1) | Mounting Type | Surface Mount |
| Supplier Device Package | 256-PBGA (23x23) | Graphics Acceleration | No |
| Speed | 81MHz | Ethernet | 10Mbps (1) |
| Series | MPC8xx | Display & Interface Controllers | LCD, Video |
| Security Features | - | Core Processor | PowerPC |
| SATA | - | Co-Processors/DSP | Communications; RISC CPM |
| RAM Controllers | DRAM | Base Product Number | MPC82 |
| Package / Case | 256-BBGA | Additional Interfaces | I ² C, SMC, SCC, SPI, UART |
| Package | Tray | | |

Parts with Similar Specifications

The three parts on the right have similar specifications to NXP USA Inc. MPC823VR81B2T

| Product Attribute | | | | |
|---------------------------------|---------------------------------------|-----------------------------------------------|---------------------------------------|---------------------------------------|
| Part Number | MPC823VR81B2T | MPC8241LVR166D | MPC823CZQ66B2T | MPC823VR75B2T |
| Manufacturer | NXP USA Inc. | NXP USA Inc. | NXP USA Inc. | NXP USA Inc. |
| Voltage - I/O | 3.3V | 3.3V | 3.3V | 3.3V |
| Core Processor | PowerPC | PowerPC 603e | PowerPC | PowerPC |
| Base Product Number | MPC82 | MPC82 | MPC82 | MPC82 |
| USB | USB 1.x (1) | - | USB 1.x (1) | USB 1.x (1) |
| Ethernet | 10Mbps (1) | - | 10Mbps (1) | 10Mbps (1) |
| Display & Interface Controllers | LCD, Video | - | LCD, Video | LCD, Video |
| Speed | 81MHz | 166MHz | 66MHz | 75MHz |
| Additional Interfaces | I ² C, SMC, SCC, SPI, UART | I ² C, I ² O, PCI, UART | I ² C, SMC, SCC, SPI, UART | I ² C, SMC, SCC, SPI, UART |
| SATA | - | - | - | - |
| Number of Cores/Bus Width | 1 Core, 32-Bit | 1 Core, 32-Bit | 1 Core, 32-Bit | 1 Core, 32-Bit |
| Co-Processors/DSP | Communications; RISC CPM | - | Communications; RISC CPM | Communications; RISC CPM |
| RAM Controllers | DRAM | SDRAM | DRAM | DRAM |
| Mounting Type | Surface Mount | Surface Mount | Surface Mount | Surface Mount |
| Operating Temperature | 0°C ~ 95°C (TA) | 0°C ~ 105°C (TA) | -40°C ~ 95°C (TA) | 0°C ~ 95°C (TA) |
| Security Features | - | - | - | - |
| Graphics Acceleration | No | No | No | No |
| Series | MPC8xx | MPC82xx | MPC8xx | MPC8xx |
| Package | Tray | Tray | Tray | Tray |
| Package / Case | 256-BBGA | 357-BBGA | 256-BBGA | 256-BBGA |
| Supplier Device Package | 256-PBGA (23x23) | 357-PBGA (25x25) | 256-PBGA (23x23) | 256-PBGA (23x23) |

MPC823VR81B2T Datasheet PDF

Download MPC823VR81B2T pdf datasheets and NXP USA Inc. documentation for MPC823VR81B2T - NXP USA Inc..

PCN Packaging


2.73KHz.pdf

Environmental Information

NXP USA Inc REACH.pdf


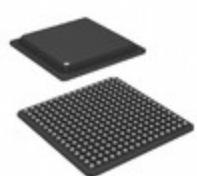
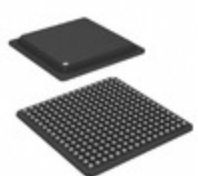
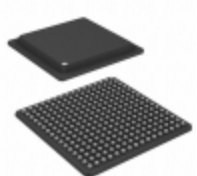


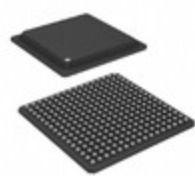




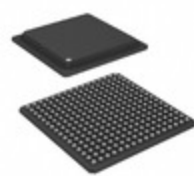

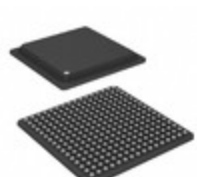



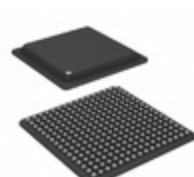
NXP USA Inc RoHS Cert.pdf

 MPC823 AC Elect. Spec.pdf

 MPC823 Product Brief.pdf

Customers Also Interested in

Recommended Products

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|  |  |  |  |  |  |
| MPC8241LVR166D NXP USA Inc. IC MPU MPC82XX 166MHZ 357BGA | MPC823CZQ66B2T NXP USA Inc. IC MPU MPC8XX 66MHZ 256BGA | MPC823VR75B2T NXP USA Inc. IC MPU MPC8XX 75MHZ 256BGA | MPC823VR66B2T NXP Semiconductors / Freescale IC MPU MPC8XX 66MHZ 256BGA | MPC8241LVR266D NXP USA Inc. IC MPU MPC82XX 266MHZ 357BGA | MPC8241LZQ166D NXP USA Inc. IC MPU MPC82XX 166MHZ 357BGA |
|  |  |  |  |  |  |
| MPC823ZQ81B2T NXP USA Inc. IC MPU MPC8XX 81MHZ 256BGA | MPC8241LZQ200D NXP USA Inc. IC MPU MPC82XX 200MHZ 357BGA | MPC800SG BURR-BROWN | MPC801KG BURR-BROWN | MPC8241LVR200D Freescale Semiconductor RISC MICROPROCESSOR, 32 BIT, PO | MPC823CVR66B2T NXP USA Inc. IC MPU MPC8XX 66MHZ 256BGA |
|  |  |  |  |  |  |
| MPC755CRX400LE NXP USA Inc. IC MPU MPC7XX 400MHZ 360FCCBGA | MPC823ZQ66B2T NXP USA Inc. IC MPU MPC8XX 66MHZ 256BGA | MPC800KG BURR-BROWN | MPC8241LVR166D Freescale Semiconductor RISC MICROPROCESSOR, 32 BIT, PO | MPC8241LVR200D NXP USA Inc. IC MPU MPC82XX 200MHZ 357BGA | MPC823ZQ75B2T NXP USA Inc. IC MPU MPC8XX 75MHZ 256BGA |

Shipment

Delivery Time

In-stock items can be shipped within 24 hours. Some parts will be arranged for delivery within 1-2 days from the date all items arrive at our warehouse. And Allelco ships order once a day at about 17:00, except Sunday. Once the goods are shipped, the estimated delivery time depends on the shipping methods and Delivery destination. The table below shows are the logistic time for some common countries.

Delivery Cost

- > Use your express account for shipment if you have one.
 - > Use our account for the shipment. Refer to the table below for the approximate charges.
- (Different time frame / countries / package size has different price.)

Delivery Method

- > Global Common Shipment by DHL / UPS / FedEx / TNT / EMS / SF we support.
- > Others more shipping ways, please get in touch with your customer manager.

| Common Countries Logistic Time Reference | | |
|------------------------------------------|----------------|--------------------|
| Region | Country | Logistic Time(Day) |
| America | United States | 5 |
| | Brazil | 7 |
| Europe | Germany | 5 |
| | United Kingdom | 4 |
| | Italy | 5 |
| Oceania | Australia | 6 |
| | New Zealand | 7 |
| Asia | India | 6 |
| | Japan | 7 |
| Middle East | Israel | 6 |

| DHL & FedEx Shipment Charges Reference | |
|----------------------------------------|----------------------|
| Shipment charges(KG) | Reference DHL(USD\$) |
| 0.00kg-1.00kg | USD\$60.00 |
| 1.00kg-2.00kg | USD\$70.00 |
| 2.00kg-3.00kg | USD\$80.00 |




Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.
Contact us if you have any questions.

Payment Support

The payment method can be chosen from the methods shown below:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



Your Faithful Supply Chain Partner -

| | | |
|--------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
|  Efficient Supply Management |  Cost-Saving Procurement |  Fast Sourcing & Delivery |
|--------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|

Contact us if you have any questions.

| | |
|------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
|  Phone +00852 9146 4856 |  Email info@allelco.com |
|------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|

Certifications & Memberships



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Contact us

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