

MPC823VR81B2T



Part Number: [MPC823VR81B2T](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MPU MPC8XX 81MHZ 256BGA

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

RoHs Status: Lead free / RoHS Compliant

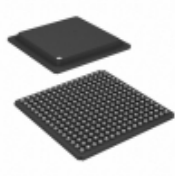
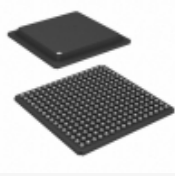
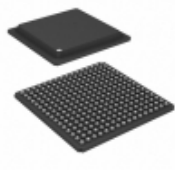
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Images are for reference only.
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PRODUCT PARAMETER			
Part Number	MPC823VR81B2T	Manufacturer	NXP Semiconductors / Freescale
Description	IC MPU MPC8XX 81MHZ 256BGA	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	5815 pcs	Data sheet	XPC823(E) Fact Sheet MPC823 Product Brief MPC823 AC Elect Spec
Category	Integrated Circuits (ICs)	Voltage - I/O	3.3V
USB	USB 1.x (1)	Supplier Device Package	256-PBGA (23x23)
Speed	81MHz	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	LCD, Video
Detailed Description	PowerPC Microprocessor IC MPC8xx 1 Core, 32-Bit 81MHz 256-PBGA (23x23)	Core Processor	PowerPC
Co-Processors/DSP	Communications; RISC CPM	Base Part Number	MPC823
Additional Interfaces	I ² C, SMC, SCC, SPI, UART		
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RELATED PRODUCTS			
	Part#: MPC823VR75B2T Description: IC MPU MPC8XX 75MHZ 256BGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MPC8-2YD12V Description: PNL MNT 12V YELLOW 5MM	Manufacturers: Bivar, Inc.	RFQ
	Part#: MPC8241LVR166D Description: IC MPU MPC82XX 166MHZ 357BGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MPC823ZQ81B2T Description: IC MPU MPC8XX 81MHZ 256BGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MPC823CVR66B2T Description: IC MPU MPC8XX 66MHZ 256BGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MPC8241LZQ266D Description: IC MPU MPC82XX 266MHZ 357BGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MPC8-2YD110V Description: PNL MNT 110V YELLOW 5MM	Manufacturers: Bivar, Inc.	RFQ
	Part#: MPC8-2YD24V Description: PNL MNT 24V YELLOW 5MM	Manufacturers: Bivar, Inc.	RFQ
	Part#: MPC8241LVR200D Description: IC MPU MPC82XX 200MHZ 357BGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MPC8-2WD24V Description: PNL MNT 24V WHITE 5MM	Manufacturers: Bivar, Inc.	RFQ
	Part#: MPC8241LVR266D Description: IC MPU MPC82XX 266MHZ 357BGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MPC8-2YD220V Description: PNL MNT 220V YELLOW 5MM	Manufacturers: Bivar, Inc.	RFQ
	Part#: MPC8241TVR166D Description: IC MPU MPC82XX 166MHZ 357BGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MPC823FADS Description: KIT APPLICATION DEV 823 FAMILY	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MPC823VR66B2T Description: IC MPU MPC8XX 66MHZ 256BGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MPC823CZQ66B2T Description: IC MPU MPC8XX 66MHZ 256BGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MPC8241LZQ166D Description: IC MPU MPC82XX 166MHZ 357BGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MPC8241LZQ200D Description: IC MPU MPC82XX 200MHZ 357BGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MPC823ZQ75B2T Description: IC MPU MPC8XX 75MHZ 256BGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MPC823ZQ66B2T Description: IC MPU MPC8XX 66MHZ 256BGA	Manufacturers: NXP Semiconductors / Freescale	RFQ

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