

Image may be representation.
See specifications for product details.



MPC870VR66

Manufacturer Part Number	MPC870VR66
Manufacturer	NXP Semiconductors
Allelco Part Number	32D-MPC870VR66
ECAD Model	Request Free CAD Models
Parts Description	IC MPU MPC8XX 66MHZ 256BGA
Package	256-BBGA
Data sheet	Cylindrical Battery Holders.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

MPC870VR66 - NXP USA Inc..New Original in Stock. Download Linear Technology MPC870VR66 datasheet/specifications on AllelcoElec.com.
Request a quote for MPC870VR66, please send us email: info@allelco.com

Specifications

MPC870VR66 Tech Specifications

MPC870VR66 - 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 2.0 (1)	Mounting Type	Surface Mount
Supplier Device Package	256-PBGA (23x23)	Graphics Acceleration	No
Speed	66MHz	Ethernet	10/100Mbps (2)
Series	MPC8xx	Display & Interface Controllers	-
Security Features	-	Core Processor	MPC8xx
SATA	-	Co-Processors/DSP	Communications; CPM
RAM Controllers	DRAM	Base Product Number	MPC87
Package / Case	256-BBGA	Additional Interfaces	I ² C, PCMCIA, SPI, TDM, UART
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to NXP USA Inc. MPC870VR66

Product Attribute				
Part Number	MPC870VR66	MPC875VR66	MPC875CZT66	MPC866TVR100A
Manufacturer	NXP USA Inc.	NXP USA Inc.	NXP USA Inc.	NXP USA Inc.
Series	MPC8xx	MPC8xx	MPC8xx	MPC8xx
Co-Processors/DSP	Communications; CPM	Communications; CPM, Security; SEC	Communications; CPM, Security; SEC	Communications; CPM
Operating Temperature	0°C ~ 95°C (TA)	0°C ~ 95°C (TA)	-40°C ~ 100°C (TA)	0°C ~ 95°C (TA)
Graphics Acceleration	No	No	No	No
Speed	66MHz	66MHz	66MHz	100MHz
Display & Interface Controllers	-	-	-	-
Package	Tray	Tray	Tray	Tray
RAM Controllers	DRAM	DRAM	DRAM	DRAM
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Additional Interfaces	I ² C, PCMCIA, SPI, TDM, UART	HDL/SDLC, I ² C, IrDA, PCMCIA, SPI, TDM, UART/USART	HDL/SDLC, I ² C, IrDA, PCMCIA, SPI, TDM, UART/USART	HDL/SDLC, I ² C, IrDA, PCMCIA, SPI, TDM, UART/USART
Supplier Device Package	256-PBGA (23x23)	256-PBGA (23x23)	256-PBGA (23x23)	357-PBGA (25x25)
Base Product Number	MPC87	MPC87	MPC87	MPC86
Security Features	-	Cryptography	Cryptography	-
SATA	-	-	-	-
Number of Cores/Bus Width	1 Core, 32-Bit	1 Core, 32-Bit	1 Core, 32-Bit	1 Core, 32-Bit
Ethernet	10/100Mbps (2)	10Mbps (1), 10/100Mbps (2)	10Mbps (1), 10/100Mbps (2)	10Mbps (4), 10/100Mbps (1)
Package / Case	256-BBGA	256-BBGA	256-BBGA	357-BBGA
USB	USB 2.0 (1)	USB 2.0 (1)	USB 2.0 (1)	-
Core Processor	MPC8xx	MPC8xx	MPC8xx	MPC8xx
Voltage - I/O	3.3V	3.3V	3.3V	3.3V

MPC870VR66 Datasheet PDF

Download MPC870VR66 pdf datasheets and NXP USA Inc. documentation for MPC870VR66 - NXP USA Inc..

Datasheets


[Cylindrical Battery Holders.pdf](#)


PCN Packaging

[All Dev Label Update 15/Dec/2020.pdf](#)

[Mult Dev Pkg Seal 15/Dec/2020.pdf](#)


Environmental Information

 NXP USA Inc REACH.pdf

 NXP USA Inc RoHS Cert.pdf

PCN Design/Specification

 Mult Dev 25/May/2020.pdf

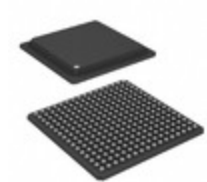
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PCN Obsolescence/ EOL

 Cylindrical Battery Holders.pdf

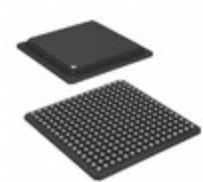
Customers Also Interested in

Recommended Products



MPC875VR66

NXP USA Inc.
IC MPU MPC8XX 66MHZ 256BGA



MPC875CZT66

NXP USA Inc.
IC MPU MPC8XX 66MHZ 256BGA



MPC866TVR100A

NXP USA Inc.
IC MPU MPC8XX 100MHZ 357BGA



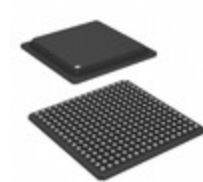
MPC875VR133

Freescale Semiconductor
POWERQUICC 32 BIT POWER ARCHITEC



MPC866TZP133A

Freescale Semiconductor
POWERQUICC RISC MICROPROCESSOR,



MPC875CVR133

NXP USA Inc.
IC MPU MPC8XX 133MHZ 256BGA



MPC870CZT133

Freescale Semiconductor
POWERQUICC RISC MICROPROCESSOR,



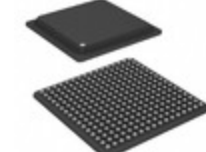
MPC875CZT66

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POWERQUICC RISC MICROPROCESSOR,



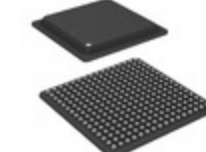
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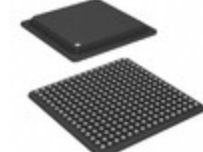
MPC870VR133

NXP USA Inc.
IC MPU MPC8XX 133MHZ 256BGA



MPC870CZT133

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MPC870CVR66

NXP USA Inc.
IC MPU MPC8XX 66MHZ 256BGA



MPC875CVR133
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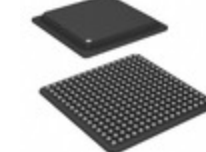
MPC870VR133
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MPC866TZP133A
NXP USA Inc.
IC MPU MPC8XX 133MHZ 357BGA



MPC870ZT66
Freescale Semiconductor
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MPC875VR133
NXP USA Inc.
IC MPU MPC8XX 133MHZ 256BGA



MPC870CVR66
Freescale Semiconductor
MPC870 - PowerQUICC, 32 Bit Powe

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.

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+00852 9146 4856
 Email
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Certifications & Memberships



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