



Image may be representation.  
See specifications for product details.



## MPC855TVR50D4R2

Manufacturer Part Number	<b>MPC855TVR50D4R2</b>
Manufacturer	<b>NXP Semiconductors</b>
Allelco Part Number	32D-MPC855TVR50D4R2
ECAD Model	Request Free CAD Models
Parts Description	IC MPU MPC8XX 50MHZ 357BGA
Package	357-BBGA
Data sheet	<b>MPC860 Family.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

MPC855TVR50D4R2 - NXP USA Inc..New Original in Stock. Download Linear Technology MPC855TVR50D4R2 datasheet/specifications on AllelcoElec.com.  
Request a quote for MPC855TVR50D4R2, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

MPC855TVR50D4R2 Tech Specifications  
MPC855TVR50D4R2 - 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	-	Mounting Type	Surface Mount
Supplier Device Package	357-PBGA (25x25)	Graphics Acceleration	No
Speed	50MHz	Ethernet	10Mbps (1), 10/100Mbps (1)
Series	MPC8xx	Display & Interface Controllers	-
Security Features	-	Core Processor	MPC8xx
SATA	-	Co-Processors/DSP	Communications; CPM
RAM Controllers	DRAM	Base Product Number	MPC85
Package / Case	357-BBGA	Additional Interfaces	HDLC/SDLC, I <sup>2</sup> C, IrDA, PCMCIA, SPI, TDM, UART/USART
Package	Tape & Reel (TR)		

### Parts with Similar Specifications

The three parts on the right have similar specifications to NXP USA Inc. MPC855TVR50D4R2

Product Attribute				
Part Number	MPC855TVR50D4R2	<b>MPC855TZQ50D4</b>	<b>MPC855TCZQ50D4</b>	<b>MPC8555EVTAPF</b>
Manufacturer	NXP USA Inc.	Freescale Semiconductor	Freescale Semiconductor	NXP USA Inc.
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Core Processor	MPC8xx	MPC8xx	MPC8xx	PowerPC e500
SATA	-	-	-	-
Ethernet	10Mbps (1), 10/100Mbps (1)	10Mbps (1), 10/100Mbps (1)	10Mbps (1), 10/100Mbps (1)	10/100/1000Mbps (2)
Series	MPC8xx	MPC8xx	MPC85xx	MPC85xx
Package	Tape & Reel (TR)	Bulk	Bulk	Tray
Operating Temperature	0°C ~ 95°C (TA)	0°C ~ 95°C (TA)	-40°C ~ 95°C (TJ)	0°C ~ 105°C (TA)
RAM Controllers	DRAM	DRAM	DRAM	DDR, SDRAM
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; CPM	Communications; CPM	Communications; CPM	Communications; CPM, Security; SEC
Security Features	-	-	-	Cryptography, Random Number Generator
Base Product Number	MPC85	MPC85	-	MPC85
Voltage - I/O	3.3V	3.3V	3.3V	2.5V, 3.3V
Supplier Device Package	357-PBGA (25x25)	357-PBGA (25x25)	357-PBGA (25x25)	783-FCPBGA (29x29)
Speed	50MHz	50MHz	50MHz	833MHz
Package / Case	357-BBGA	357-BBGA	357-BBGA	783-BBGA, FCBGA
Additional Interfaces	HDLC/SDLC, I <sup>2</sup> C, IrDA, PCMCIA, SPI, TDM, UART/USART	HDLC/SDLC, I <sup>2</sup> C, IrDA, PCMCIA, SPI, TDM, UART/USART	HDLC/SDLC, I <sup>2</sup> C, IrDA, PCMCIA, SPI, TDM, UART/USART	DUART, I <sup>2</sup> C, PCI, SPI, TDM, UART
USB	-	-	-	USB 2.0 (1)
Graphics Acceleration	No	No	No	No
Display & Interface Controllers	-	-	-	-

### MPC855TVR50D4R2 Datasheet PDF

Download MPC855TVR50D4R2 pdf datasheets and NXP USA Inc. documentation for MPC855TVR50D4R2 - NXP USA Inc..

#### Datasheets

MPC860 Family.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




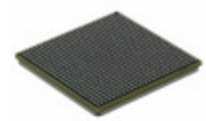








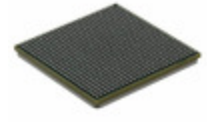





NXP USA Inc RoHS Cert.pdf

## PCN Obsolescence/ EOL

Mult Dev EOL 26/Sep/2020.pdf

## Customers Also Interested in

### Recommended Products

					
<b>MPC855TZQ50D4</b> Freescale Semiconductor POWERQUICC 32 BIT POWER ARCHITEC	<b>MPC855TVR50D4</b> Rochester Electronics, LLC MPC855T - POWERQUICC, 32 BIT POW	<b>MPC855TCZQ50D4</b> Freescale Semiconductor POWERQUICC 32 BIT POWER ARCHITEC	<b>MPC8555EVTAPF</b> NXP USA Inc. IC MPU MPC85XX 833MHZ 783FCBGA	<b>MPC855TVR66D4</b> Freescale Semiconductor POWERQUICC 32 BIT POWER ARCHITEC	<b>MPC855TVR66D4</b> Rochester Electronics, LLC MPC855T - POWERQUICC, 32 BIT POW
					
<b>MPC855TZQ66D4</b> Freescale Semiconductor POWERQUICC 32 BIT POWER ARCHITEC	<b>MPC855TZQ50D4</b> Rochester Electronics, LLC MPC855T - POWERQUICC, 32 BIT POW	<b>MPC855TZQ50D4</b> NXP USA Inc. IC MPU MPC8XX 50MHZ 357BGA	<b>MPC855TCZQ50D4</b> Rochester Electronics, LLC MPC855T - POWERQUICC, 32 BIT POW	<b>MPC855TZQ66D4</b> Rochester Electronics, LLC MPC855T - POWERQUICC, 32 BIT POW	<b>MPC8555EVTAJD</b> Freescale Semiconductor POWERQUICC RISC MICROPROCESSOR,
					
<b>MPC8555EVTAJD</b> NXP USA Inc. IC MPU MPC85XX 533MHZ 783FCBGA	<b>MPC855TVR50D4</b> Freescale Semiconductor POWERQUICC 32 BIT POWER ARCHITEC	<b>MPC855TVR50D4</b> NXP USA Inc. IC MPU MPC8XX 50MHZ 357BGA	<b>MPC8555EVTAPF</b> Freescale Semiconductor POWERQUICC RISC MICROPROCESSOR,	<b>MPC855TCZQ50D4</b> NXP USA Inc. IC MPU MPC8XX 50MHZ 357BGA	<b>MPC855TZQ50D4</b> Motorola POWERQUICC, 32 BIT SOC

## 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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