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See specifications for product details.



MPC8321ECVRAFDCA

Manufacturer Part Number	MPC8321ECVRAFDCA
Manufacturer	NXP Semiconductors
Allelco Part Number	32D-MPC8321ECVRAFDCA
ECAD Model	Request Free CAD Models
Parts Description	IC MPU MPC83XX 333MHZ 516BGA
Package	516-BBGA
Data sheet	Cylindrical Battery Holders.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

MPC8321ECVRAFDCA - NXP USA Inc..New Original in Stock. Download Linear Technology MPC8321ECVRAFDCA datasheet/specifications on AllelcoElec.com.
Request a quote for MPC8321ECVRAFDCA, please send us email: info@allelco.com

Specifications

MPC8321ECVRAFDCA Tech Specifications
MPC8321ECVRAFDCA - NXP USA Inc. technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	NXP Semiconductors	Operating Temperature	-40°C ~ 105°C (TA)
Voltage - I/O	1.8V, 2.5V, 3.3V	Number of Cores/Bus Width	1 Core, 32-Bit
USB	USB 2.0 (1)	Mounting Type	Surface Mount
Supplier Device Package	516-PBGA (27x27)	Graphics Acceleration	No
Speed	333MHz	Ethernet	10/100Mbps (3)
Series	MPC83xx	Display & Interface Controllers	-
Security Features	Cryptography	Core Processor	PowerPC e300c2
SATA	-	Co-Processors/DSP	Communications; QUICC Engine, Security; SEC 2.2
RAM Controllers	DDR, DDR2	Base Product Number	MPC8321
Package / Case	516-BBGA	Additional Interfaces	DUART, I ² C, PCI, SPI, TDM, UART
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to NXP USA Inc. MPC8321ECVRAFDCA

Product Attribute				
Part Number	MPC8321ECVRAFDCA	MPC8321VRADDC	MPC8321CVRAFDCA	MPC8321EVRADDC
Manufacturer	NXP USA Inc.	NXP USA Inc.	Freescall Semiconductor	NXP USA Inc.
Voltage - I/O	1.8V, 2.5V, 3.3V	1.8V, 2.5V, 3.3V	-	1.8V, 2.5V, 3.3V
Co-Processors/DSP	Communications; QUICC Engine, Security; SEC 2.2	Communications; QUICC Engine	-	Communications; QUICC Engine, Security; SEC 2.2
Security Features	Cryptography	-	-	Cryptography
USB	USB 2.0 (1)	USB 2.0 (1)	-	USB 2.0 (1)
Display & Interface Controllers	-	-	-	-
Package / Case	516-BBGA	516-BBGA	-	516-BBGA
Base Product Number	MPC8321	MPC83	-	MPC83
Package	Tray	Tray	Bulk	Tray
Speed	333MHz	266MHz	-	266MHz
Number of Cores/Bus Width	1 Core, 32-Bit	1 Core, 32-Bit	-	1 Core, 32-Bit
Supplier Device Package	516-PBGA (27x27)	516-PBGA (27x27)	-	516-PBGA (27x27)
Mounting Type	Surface Mount	Surface Mount	-	Surface Mount
RAM Controllers	DDR, DDR2	DDR, DDR2	-	DDR, DDR2
Series	MPC83xx	MPC83xx	*	MPC83xx
Core Processor	PowerPC e300c2	PowerPC e300c2	-	PowerPC e300c2
Ethernet	10/100Mbps (3)	10/100Mbps (3)	-	10/100Mbps (3)
Additional Interfaces	DUART, I ² C, PCI, SPI, TDM, UART	DUART, I ² C, PCI, SPI, TDM, UART	-	DUART, I ² C, PCI, SPI, TDM, UART
Operating Temperature	-40°C ~ 105°C (TA)	0°C ~ 105°C (TA)	-	0°C ~ 105°C (TA)
Graphics Acceleration	No	No	-	No
SATA	-	-	-	-

MPC8321ECVRAFDCA Datasheet PDF

Download MPC8321ECVRAFDCA pdf datasheets and NXP USA Inc. documentation for MPC8321ECVRAFDCA - 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

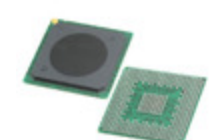

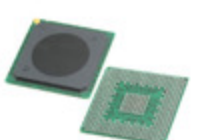
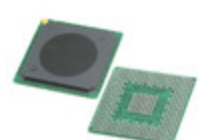
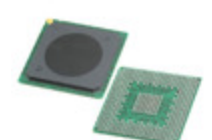
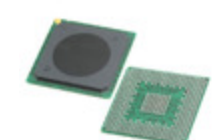

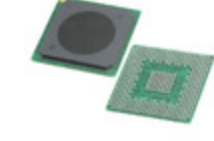



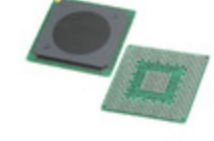
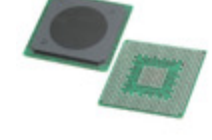

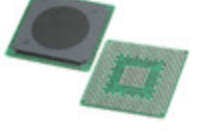
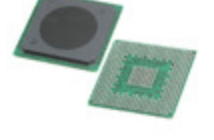
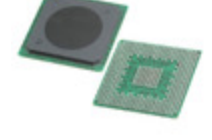
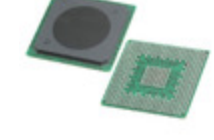
PCN Design/Specification

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Customers Also Interested in

Recommended Products

 MPC8321VRADDCA NXP USA Inc. IC MPU MPC83XX 266MHZ 516BGA	 MPC8321CVRAFDC Freescale Semiconductor MPC8321 - LOW-POWER POWERQUICC I	 MPC8321EVRADDCA NXP USA Inc. IC MPU MPC83XX 266MHZ 516BGA	 MPC8321EVRAFDC NXP USA Inc. IC MPU MPC83XX 333MHZ 516BGA	 MPC8321VRAFDC NXP USA Inc. IC MPU MPC83XX 333MHZ 516BGA	 MPC8321CVRADDCA NXP USA Inc. IC MPU MPC83XX 266MHZ 516BGA
 MPC8321EVRAFDC Freescale Semiconductor 32-BIT, 333MHZ, CMOS, PBGA516	 MPC8321CZQADDCA NXP USA Inc. IC MPU MPC83XX 266MHZ 516BGA	 MPC8321VRADDCA Freescale Semiconductor MPC8321 - PowerQUICC 32 Bit Powe	 MPC8321ECVRAFDC NXP USA Inc. IC MPU MPC83XX 266MHZ 516BGA	 MPC8321ECVRAFDC Freescale Semiconductor 32-BIT, 333MHZ, CMOS, PBGA516	 MPC8321EVRADDCA NXP USA Inc. IC MPU MPC83XX 266MHZ 516BGA
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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

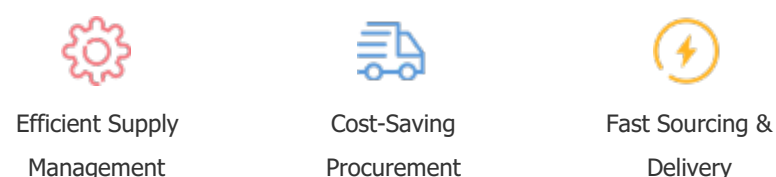
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.
Contact us if you have any questions.

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 -



Contact us if you have any questions.



Certifications & Memberships



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