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See specifications for product details.



MPC8544VTALFA

Manufacturer Part Number	MPC8544VTALFA
Manufacturer	NXP Semiconductors
Allelco Part Number	32D-MPC8544VTALFA
ECAD Model	Request Free CAD Models
Parts Description	IC MPU MPC85XX 667MHZ 783FCBGA
Package	783-BBGA, FCBGA
Data sheet	Cylindrical Battery Holders.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

MPC8544VTALFA - NXP USA Inc..New Original in Stock. Download Linear Technology MPC8544VTALFA datasheet/specifications on AllelcoElec.com.
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Specifications

MPC8544VTALFA Tech Specifications

MPC8544VTALFA - NXP USA Inc. technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	NXP Semiconductors	Operating Temperature	0°C ~ 105°C (TA)
Voltage - I/O	1.8V, 2.5V, 3.3V	Number of Cores/Bus Width	1 Core, 32-Bit
USB	-	Mounting Type	Surface Mount
Supplier Device Package	783-FCBGA (29x29)	Graphics Acceleration	No
Speed	667MHz	Ethernet	10/100/1000Mbps (2)
Series	MPC85xx	Display & Interface Controllers	-
Security Features	-	Core Processor	PowerPC e500
SATA	-	Co-Processors/DSP	Signal Processing; SPE
RAM Controllers	DDR, DDR2, SDRAM	Base Product Number	MPC85
Package / Case	783-BBGA, FCBGA	Additional Interfaces	DUART, I ² C, PCI
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to NXP USA Inc. MPC8544VTALFA

Product Attribute				
Part Number	MPC8544VTALFA	MPC8545PXANGB	MPC8544EVTANG	MPC8544EVTAQG
Manufacturer	NXP USA Inc.	Freescale Semiconductor	NXP USA Inc.	NXP USA Inc.
Speed	667MHz	800MHz	800MHz	1.0GHz
Series	MPC85xx	MPC85xx	MPC85xx	MPC85xx
Base Product Number	MPC85	-	MPC85	MPC85
Security Features	-	-	Cryptography, Random Number Generator	Cryptography, Random Number Generator
Graphics Acceleration	No	No	No	No
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Display & Interface Controllers	-	-	-	-
Co-Processors/DSP	Signal Processing; SPE	Signal Processing; SPE	Signal Processing; SPE, Security; SEC	Signal Processing; SPE, Security; SEC
Additional Interfaces	DUART, I ² C, PCI	DUART, I ² C, PCI, RapidIO	DUART, I ² C, PCI	DUART, I ² C, PCI
RAM Controllers	DDR, DDR2, SDRAM	DDR, DDR2, SDRAM	DDR, DDR2, SDRAM	DDR, DDR2, SDRAM
Ethernet	10/100/1000Mbps (2)	10/100/1000Mbps (4)	10/100/1000Mbps (2)	10/100/1000Mbps (2)
USB	-	-	-	-
Operating Temperature	0°C ~ 105°C (TA)	0°C ~ 105°C (TA)	0°C ~ 105°C (TA)	0°C ~ 105°C (TA)
Number of Cores/Bus Width	1 Core, 32-Bit	1 Core, 32-Bit	1 Core, 32-Bit	1 Core, 32-Bit
SATA	-	-	-	-
Package / Case	783-BBGA, FCBGA	783-BBGA, FCBGA	783-BBGA, FCBGA	783-BBGA, FCBGA
Supplier Device Package	783-FCBGA (29x29)	783-FCBGA (29x29)	783-FCBGA (29x29)	783-FCBGA (29x29)
Core Processor	PowerPC e500	PowerPC e500	PowerPC e500	PowerPC e500
Voltage - I/O	1.8V, 2.5V, 3.3V	1.8V, 2.5V, 3.3V	1.8V, 2.5V, 3.3V	1.8V, 2.5V, 3.3V
Package	Tray	Tray	Tray	Tray

MPC8544VTALFA Datasheet PDF

Download MPC8544VTALFA pdf datasheets and NXP USA Inc. documentation for MPC8544VTALFA - 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](#)

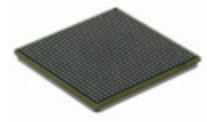
Environmental Information

 NXP USA Inc REACH.pdf

 NXP USA Inc RoHS Cert.pdf

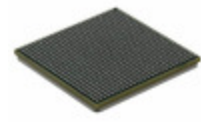
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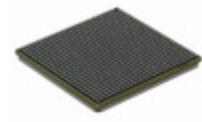
MPC8545PXANGB

Freescale Semiconductor
MPU, 32-BIT, 800MHZ, PBGA783



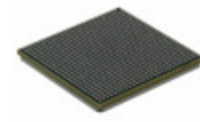
MPC8544EVTANG

NXP USA Inc.
IC MPU MPC85XX 800MHZ 783FCBGA



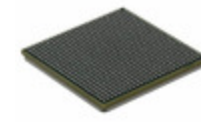
MPC8544EVTAQG

NXP USA Inc.
IC MPU MPC85XX 1.0GHZ 783FCBGA



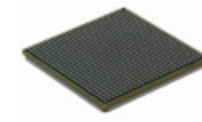
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NXP USA Inc.
IC MPU MPC85XX 1.0GHZ 783FCBGA



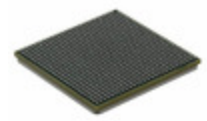
MPC8547EPXAUJC

NXP USA Inc.
IC MPU MPC85XX 1.333GHZ 783BGA



MPC8544VTALF

Freescale Semiconductor
32-BIT, 667MHZ, CMOS, PBGA783



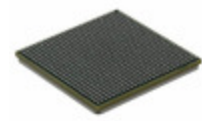
MPC8544VTANG

NXP USA Inc.
IC MPU MPC85XX 800MHZ 783FCBGA



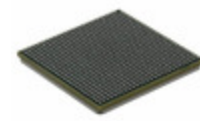
MPC8544VJALFA

Freescale Semiconductor
PowerQUICC, 32 Bit Power Arch So



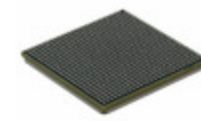
MPC8545PXATGD

Freescale Semiconductor
MPU, 32-BIT, 1200MHZ, PBGA783



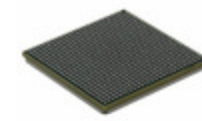
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NXP USA Inc.
IC MPU MPC85XX 800MHZ 783FCBGA



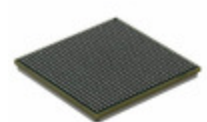
MPC8544VJALFA

NXP USA Inc.
IC MPU MPC85XX 667MHZ 783FCBGA



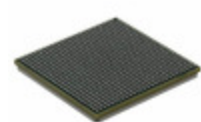
MPC8544EVTANGA

NXP USA Inc.
IC MPU MPC85XX 800MHZ 783FCBGA



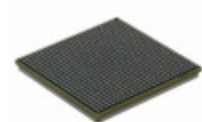
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NXP USA Inc.
IC MPU MPC85XX 667MHZ 783FCBGA



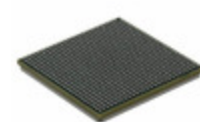
MPC8545PXATGD

NXP USA Inc.
IC MPU MPC85XX 1.2GHZ 783FCBGA



MPC8544EVJARJA

NXP USA Inc.
IC MPU MPC85XX 1.067GHZ 783BGA



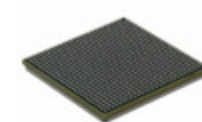
MPC8547EPXAUJC

Freescale Semiconductor
32-BIT, 1333MHZ, CMOS, PBGA783



MPC8544VTALFA

Freescale Semiconductor
POWERQUICC RISC
MICROPROCESSORS,



MPC8545PXANGB

NXP USA Inc.
IC MPU MPC85XX 800MHZ 783FCBGA

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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Certifications & Memberships



View More

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