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See specifications for product details.



MPC8308VMAGDA

Manufacturer Part Number	MPC8308VMAGDA
Manufacturer	NXP Semiconductors
Allelco Part Number	32D-MPC8308VMAGDA
ECAD Model	Request Free CAD Models
Parts Description	IC MPU MPC83XX 400MHZ 473MAPBGA
Package	473-LFBGA
Data sheet	MPC8308.pdf MPC8308 Fact Sheet.pdf MPC8308 Product Brief.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

MPC8308VMAGDA - NXP USA Inc..New Original in Stock. Download Linear Technology MPC8308VMAGDA datasheet/specifications on AllelcoElec.com.
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Specifications

MPC8308VMAGDA Tech Specifications

MPC8308VMAGDA - 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	USB 2.0 (1)	Mounting Type	Surface Mount
Supplier Device Package	473-MAPBGA (19x19)	Graphics Acceleration	No
Speed	400MHz	Ethernet	10/100/1000Mbps (3)
Series	MPC83xx	Display & Interface Controllers	-
Security Features	-	Core Processor	PowerPC e300c3
SATA	-	Co-Processors/DSP	-
RAM Controllers	DDR2	Base Product Number	MPC8308
Package / Case	473-LFBGA	Additional Interfaces	DUART, HSSI, I ² C, MMC/SD/SDIO, SPI
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to NXP USA Inc. MPC8308VMAGDA

Product Attribute				
Part Number	MPC8308VMAGDA	MPC8309VMAGDCA	MPC8313CVRADDB	MPC8308CVMAFDA
Manufacturer	NXP USA Inc.	NXP USA Inc.	Freescale Semiconductor	NXP USA Inc.
RAM Controllers	DDR2	DDR2	DDR, DDR2	DDR2
Ethernet	10/100/1000Mbps (3)	10/100Mbps (3)	10/100/1000Mbps (2)	10/100/1000Mbps (3)
USB	USB 2.0 (1)	USB 2.0 (1)	USB 2.0 + PHY (1)	USB 2.0 (1)
Core Processor	PowerPC e300c3	PowerPC e300c3	PowerPC e300c3	PowerPC e300c3
Speed	400MHz	400MHz	267MHz	333MHz
Display & Interface Controllers	-	-	-	-
Graphics Acceleration	No	No	No	No
Package	Tray	Tray	Tray	Tray
Operating Temperature	0°C ~ 105°C (TA)	0°C ~ 105°C (TA)	-40°C ~ 105°C (TA)	-40°C ~ 105°C (TA)
Co-Processors/DSP	-	Communications; QUICC Engine	-	-
Supplier Device Package	473-MAPBGA (19x19)	489-PBGA (19x19)	516-TEPBGA (27x27)	473-MAPBGA (19x19)
Additional Interfaces	DUART, HSSI, I ² C, MMC/SD/SDIO, SPI	CAN, DUART, I ² C, MMC/SD, PCI, SPI, TDM	DUART, HSSI, I ² C, PCI, SPI	DUART, HSSI, I ² C, MMC/SD/SDIO, SPI
Series	MPC83xx	MPC83xx	MPC83xx	MPC83xx
Base Product Number	MPC8308	MPC8309	-	MPC8308
Security Features	-	-	-	-
Package / Case	473-LFBGA	489-LFBGA	516-BBGA Exposed Pad	473-LFBGA
Number of Cores/Bus Width	1 Core, 32-Bit	1 Core, 32-Bit	1 Core, 32-Bit	1 Core, 32-Bit
SATA	-	-	-	-
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Voltage - I/O	1.8V, 2.5V, 3.3V	1.8V, 3.3V	1.8V, 2.5V, 3.3V	1.8V, 2.5V, 3.3V

MPC8308VMAGDA Datasheet PDF

Download MPC8308VMAGDA pdf datasheets and NXP USA Inc. documentation for MPC8308VMAGDA - NXP USA Inc..

Datasheets

MPC8308.pdf

MPC8308 Fact Sheet.pdf

MPC8308 Product Brief.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

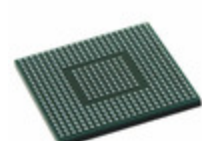
Trace Marking Removal 20/Jun/2019.pdf

PCN Obsolescence/ EOL

Cylindrical Battery Holders.pdf

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Recommended Products



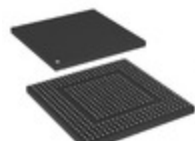
MPC8309VMAGDCA

NXP USA Inc.
IC MPU MPC83XX 400MHZ 489BGA



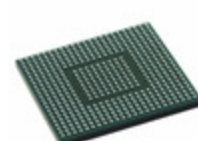
MPC8313CVRADDB

Freescale Semiconductor
32-BIT, 400MHZ, CMOS, PBGA516



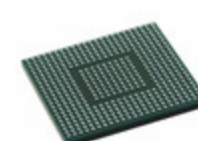
MPC8308CVMAFDA

NXP USA Inc.
IC MPU MPC83XX 333MHZ 473MAPBGA



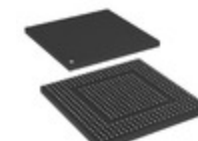
MPC8309CVMAHFCA

NXP USA Inc.
IC MPU MPC83XX 417MHZ 489BGA



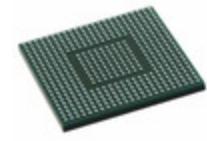
MPC8309VMAHFCA

NXP USA Inc.
IC MPU MPC83XX 417MHZ 489BGA



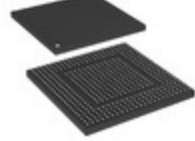
MPC8308CVMAGD

Freescale Semiconductor
MPU, 32-BIT, 266MHZ, PBGA473



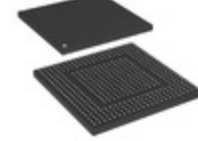
MPC8309VMAHFCA

Freescale Semiconductor
POWERQUICC POWER ARCH SOC, 417MH



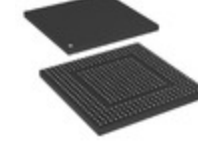
MPC8309CVMADDCA

NXP USA Inc.
IC MPU MPC83XX 266MHZ 489BGA



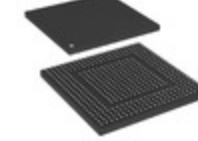
MPC8308VMAFD

Freescale Semiconductor
RISC MCU, 32-BIT, 400MHZ



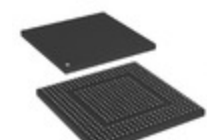
MPC8308CVMAGDA

NXP USA Inc.
IC MPU MPC83XX 400MHZ 473MAPBGA



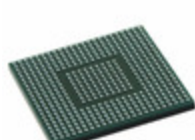
MPC8308VMAFD

Freescale Semiconductor
RISC MCU, 32-BIT, 333MHZ



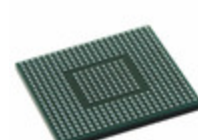
MPC8308CVMAGD

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IC MPU MPC83XX 400MHZ 473MAPBGA



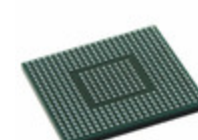
MPC8309VMADDCA

NXP USA Inc.
IC MPU MPC83XX 266MHZ 489BGA



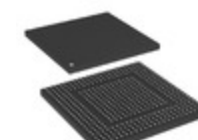
MPC8309CVMAGDCA

NXP USA Inc.
IC MPU MPC83XX 400MHZ 489BGA



MPC8309CVMAFDCA

NXP USA Inc.
IC MPU MPC83XX 333MHZ 489BGA



MPC8308CVMAFD

NXP USA Inc.
IC MPU MPC83XX 333MHZ 473MAPBGA

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 Alleco 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@alleco.com

Certifications & Memberships



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