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See specifications for product details.



MPC8247ZQMIBA

Manufacturer Part Number	MPC8247ZQMIBA
Manufacturer	NXP Semiconductors
Allelco Part Number	32D-MPC8247ZQMIBA
ECAD Model	Request Free CAD Models
Parts Description	IC MPU MPC82XX 266MHZ 516BGA
Package	516-BBGA
Data sheet	MPC8272 Fact Sheet.pdf MPC82xx.pdf

Get a Quote

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Specifications

MPC8247ZQMIBA Tech Specifications

MPC8247ZQMIBA - 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	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	266MHz	Ethernet	10/100Mbps (2)
Series	MPC82xx	Display & Interface Controllers	-
Security Features	-	Core Processor	PowerPC G2_LE
SATA	-	Co-Processors/DSP	Communications; RISC CPM
RAM Controllers	DRAM, SDRAM	Base Product Number	MPC82
Package / Case	516-BBGA	Additional Interfaces	I ² C, SCC, SMC, SPI, UART, USART
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to NXP USA Inc. MPC8247ZQMIBA

Product Attribute				
Part Number	MPC8247ZQMIBA	MPC8247VRTIEA	MPC8247VRMIBA	MPC8248CVRTIEA
Manufacturer	NXP USA Inc.	Freescale Semiconductor	Freescale Semiconductor	NXP USA Inc.
Series	MPC82xx	MPC82xx	MPC82xx	MPC82xx
SATA	-	-	-	-
Graphics Acceleration	No	No	No	No
Operating Temperature	0°C ~ 105°C (TA)	0°C ~ 105°C (TA)	0°C ~ 105°C (TA)	-40°C ~ 105°C (TA)
Package / Case	516-BBGA	516-BBGA	516-BBGA	516-BBGA
Ethernet	10/100Mbps (2)	10/100Mbps (2)	10/100Mbps (2)	10/100Mbps (2)
Speed	266MHz	400MHz	266MHz	400MHz
Voltage - I/O	3.3V	3.3V	3.3V	3.3V
Base Product Number	MPC82	MPC8247	MPC8247	MPC8248
Additional Interfaces	I ² C, SCC, SMC, SPI, UART, USART	I ² C, SCC, SMC, SPI, UART, USART	I ² C, SCC, SMC, SPI, UART, USART	I ² C, SCC, SMC, SPI, UART, USART
Display & Interface Controllers	-	-	-	-
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; RISC CPM	Communications; RISC CPM	Communications; RISC CPM	Communications; RISC CPM, Security; SEC
Supplier Device Package	516-PBGA (27x27)	516-FPBGA (27x27)	516-FPBGA (27x27)	516-PBGA (27x27)
Core Processor	PowerPC G2_LE	PowerPC G2_LE	PowerPC G2_LE	PowerPC G2_LE
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
RAM Controllers	DRAM, SDRAM	DRAM, SDRAM	DRAM, SDRAM	DRAM, SDRAM
Security Features	-	-	-	Cryptography, Random Number Generator
USB	USB 2.0 (1)	USB 2.0 (1)	USB 2.0 (1)	USB 2.0 (1)
Package	Tray	Bulk	Bulk	Tray

MPC8247ZQMIBA Datasheet PDF

Download MPC8247ZQMIBA pdf datasheets and NXP USA Inc. documentation for MPC8247ZQMIBA - NXP USA Inc..

Datasheets


MPC82xx.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

Errata

 MPC8272 PowerQUICC II Family Errata.pdf

HTML Datasheet

 MPC8272 Fact Sheet.pdf

PCN Obsolescence/ EOL

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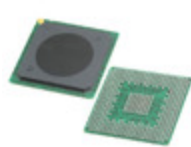
MPC8247VRTIEA

Freescale Semiconductor
POWERQUICC 32 BIT POWER
ARCHITEC



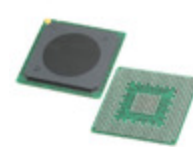
MPC8247VRMIBA

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POWERQUICC 32 BIT POWER
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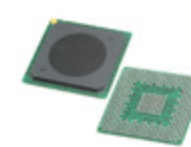
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IC MPU MPC82XX 400MHZ 516BGA



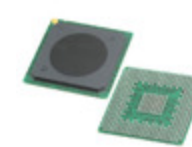
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IC MPU MPC82XX 300MHZ 516BGA



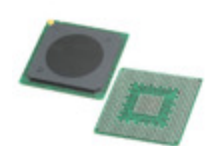
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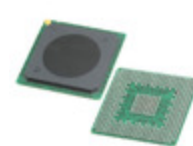
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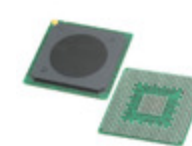
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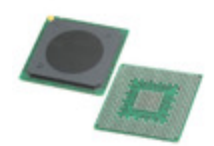
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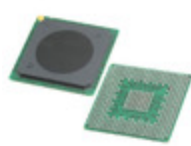
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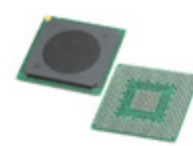
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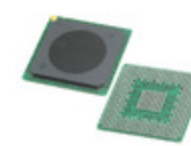
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Shipment

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 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



View More

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