

Image may be representation.  
See specifications for product details.



## MPC8250AVRIHBC

Manufacturer Part Number	<b>MPC8250AVRIHBC</b>
Manufacturer	<b>NXP Semiconductors</b>
Allelco Part Number	32D-MPC8250AVRIHBC
ECAD Model	Request Free CAD Models
Parts Description	IC MPU MPC82XX 200MHZ 516BGA
Package	516-BBGA
Data sheet	<b>Cylindrical Battery Holders.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

MPC8250AVRIHBC - NXP USA Inc..New Original in Stock. Download Linear Technology MPC8250AVRIHBC datasheet/specifications on AllelcoElec.com.  
Request a quote for MPC8250AVRIHBC, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

MPC8250AVRIHBC Tech Specifications

MPC8250AVRIHBC - 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	-	Mounting Type	Surface Mount
Supplier Device Package	516-PBGA (27x27)	Graphics Acceleration	No
Speed	200MHz	Ethernet	10/100Mbps (3)
Series	MPC82xx	Display & Interface Controllers	-
Security Features	-	Core Processor	PowerPC G2
SATA	-	Co-Processors/DSP	Communications; RISC CPM
RAM Controllers	DRAM, SDRAM	Base Product Number	MPC82
Package / Case	516-BBGA	Additional Interfaces	I <sup>2</sup> 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. MPC8250AVRIHBC

Product Attribute				
Part Number	MPC8250AVRIHBC	MPC8250ACVVMHBC	MPC8250AVVMHBC	MPC8250AZUMHBC
Manufacturer	NXP USA Inc.	NXP USA Inc.	Freescale Semiconductor	NXP USA Inc.
Number of Cores/Bus Width	1 Core, 32-Bit	1 Core, 32-Bit	1 Core, 32-Bit	1 Core, 32-Bit
Core Processor	PowerPC G2	PowerPC G2	PowerPC G2	PowerPC G2
Co-Processors/DSP	Communications; RISC CPM	Communications; RISC CPM	Communications; RISC CPM	Communications; RISC CPM
Package	Tray	Tray	Bulk	Tray
Graphics Acceleration	No	No	No	No
Additional Interfaces	I <sup>2</sup> C, SCC, SMC, SPI, UART, USART	I <sup>2</sup> C, SCC, SMC, SPI, UART, USART	I <sup>2</sup> C, SCC, SMC, SPI, UART, USART	I <sup>2</sup> C, SCC, SMC, SPI, UART, USART
Voltage - I/O	3.3V	3.3V	3.3V	3.3V
Speed	200MHz	266MHz	266MHz	266MHz
Operating Temperature	0°C ~ 105°C (TA)	-40°C ~ 105°C (TA)	0°C ~ 105°C (TA)	0°C ~ 105°C (TA)
Ethernet	10/100Mbps (3)	10/100Mbps (3)	10/100Mbps (3)	10/100Mbps (3)
Display & Interface Controllers	-	-	-	-
Base Product Number	MPC82	MPC82	MPC82	MPC82
USB	-	-	-	-
Series	MPC82xx	MPC82xx	MPC82xx	MPC82xx
Security Features	-	-	-	-
Package / Case	516-BBGA	480-LBGA Exposed Pad	480-LBGA Exposed Pad	480-LBGA Exposed Pad
RAM Controllers	DRAM, SDRAM	DRAM, SDRAM	DRAM, SDRAM	DRAM, SDRAM
SATA	-	-	-	-
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Supplier Device Package	516-PBGA (27x27)	480-TBGA (37.5x37.5)	480-TBGA (37.5x37.5)	480-TBGA (37.5x37.5)

### MPC8250AVRIHBC Datasheet PDF

Download MPC8250AVRIHBC pdf datasheets and NXP USA Inc. documentation for MPC8250AVRIHBC - 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 Obsolescence/ EOL

 Cylindrical Battery Holders.pdf

## Customers Also Interested in

### Recommended Products



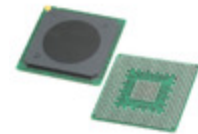
**MPC8250ACVVMHBC**  
NXP USA Inc.  
IC MPU MPC82XX 266MHZ 480TBGA



**MPC8250AVVMHBC**  
Freescale Semiconductor  
POWERQUICC RISC MICROPROCESSOR,



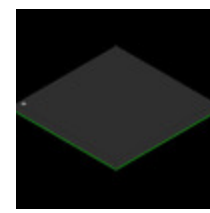
**MPC8250AZUMHBC**  
NXP USA Inc.  
IC MPU MPC82XX 266MHZ 480TBGA



**MPC8250ACVRIHBC**  
NXP USA Inc.  
IC MPU MPC82XX 200MHZ 516BGA



**MPC8250AZUPIBC**  
Freescale Semiconductor  
POWERQUICC RISC MICROPROCESSOR,



**MPC8250AVRIHBC**  
Freescale Semiconductor  
POWERQUICC RISC MICROPROCESSOR,



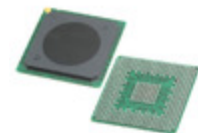
**MPC8250AVRC**  
Freescale / NXP Semiconductors



**MPC8250AVVMHBC**  
NXP USA Inc.  
IC MPU MPC82XX 266MHZ 480TBGA



**MPC8248ZQTIEA**  
Freescale Semiconductor  
POWERQUICC 32 BIT POWER ARCHITECT



**MPC8250ACZQIHBC**  
NXP USA Inc.  
IC MPU MPC82XX 200MHZ 516BGA



**MPC8250ACZUMHBC**  
NXP USA Inc.  
IC MPU MPC82XX 266MHZ 480TBGA



**MPC8250AVVPIBC**  
NXP USA Inc.  
IC MPU MPC82XX 300MHZ 480TBGA



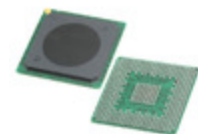
**MPC8255ACZUMHBB**  
NXP USA Inc.  
IC MPU MPC82XX 266MHZ 480TBGA



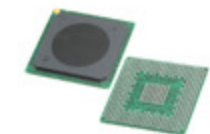
**MPC8250AVVPIBC**  
Freescale Semiconductor  
POWERQUICC RISC MICROPROCESSOR,



**MPC8250ACZUMHBC**  
Freescale Semiconductor  
COMMUNICATION PROCESSOR



**MPC8248ZQTIEA**  
NXP USA Inc.  
IC MPU MPC82XX 400MHZ 516BGA



**MPC8248ZQTMFA**  
NXP USA Inc.  
IC MPU MPC82XX 400MHZ 516BGA



**MPC8250AZUPIBC**  
NXP USA Inc.  
IC MPU MPC82XX 300MHZ 480TBGA

## 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



View More

