

Image may be representation.
See specifications for product details.



MPC8313CVRAFFB

| | |
|--------------------------|---|
| Manufacturer Part Number | MPC8313CVRAFFB |
| Manufacturer | Freescale Semiconductor, Inc. (NXP Semiconductors) |
| Allelco Part Number | 32D-MPC8313CVRAFFB |
| ECAD Model | Request Free CAD Models |
| Parts Description | POWERQUICC II PRO PROCESSOR HARD |
| Package | 516-BBGA Exposed Pad |
| Data sheet | MPC8313CVRAFFB.pdf |

Get a Quote

MPC8313CVRAFFB - Freescale Semiconductor. New Original in Stock. Download Linear Technology MPC8313CVRAFFB datasheet/specifications on AllelcoElec.com.
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Specifications

MPC8313CVRAFFB Tech Specifications

MPC8313CVRAFFB - Freescale Semiconductor technical specifications, attributes, parameters

| Product Attribute | Attribute Value | Product Attribute | Attribute Value |
|-------------------------|--|---------------------------------|---|
| Manufacturer | Freescale Semiconductor, Inc. (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 + PHY (1) | Mounting Type | Surface Mount |
| Supplier Device Package | 516-TEPBGA (27x27) | Graphics Acceleration | No |
| Speed | 333MHz | Ethernet | 10/100/1000Mbps (2) |
| Series | MPC83xx | Display & Interface Controllers | - |
| Security Features | - | Core Processor | PowerPC e300c3 |
| SATA | - | Co-Processors/DSP | - |
| RAM Controllers | DDR, DDR2 | Base Product Number | MPC83 |
| Package / Case | 516-BBGA Exposed Pad | Additional Interfaces | DUART, HSSI, I ² C, PCI, SPI |
| Package | Bulk | | |

Parts with Similar Specifications

The three parts on the right have similar specifications to Freescale Semiconductor MPC8313CVRAFFB

| Product Attribute | | | | |
|---------------------------------|---|---|---|---|
| Part Number | MPC8313CVRAFFB | MPC8313CVRAFFC | MPC8313CZQAGDC | MPC8309VMADDCA |
| Manufacturer | Freescale Semiconductor | NXP USA Inc. | Freescale Semiconductor | NXP USA Inc. |
| Display & Interface Controllers | - | - | - | - |
| Base Product Number | MPC83 | MPC8313 | MPC83 | MPC8309 |
| Security Features | - | - | - | - |
| Core Processor | PowerPC e300c3 | PowerPC e300c3 | PowerPC e300c3 | PowerPC e300c3 |
| Package | Bulk | Tray | Bulk | Tray |
| Ethernet | 10/100/1000Mbps (2) | 10/100/1000Mbps (2) | 10/100/1000Mbps (2) | 10/100Mbps (3) |
| Operating Temperature | -40°C ~ 105°C (TA) | -40°C ~ 105°C (TA) | -40°C ~ 105°C (TA) | 0°C ~ 105°C (TA) |
| Mounting Type | Surface Mount | Surface Mount | Surface Mount | Surface Mount |
| Number of Cores/Bus Width | 1 Core, 32-Bit | 1 Core, 32-Bit | 1 Core, 32-Bit | 1 Core, 32-Bit |
| Package / Case | 516-BBGA Exposed Pad | 516-BBGA Exposed Pad | 516-BBGA Exposed Pad | 489-LFBGA |
| Speed | 333MHz | 333MHz | 400MHz | 266MHz |
| Co-Processors/DSP | - | - | - | Communications; QUICC Engine |
| Additional Interfaces | DUART, HSSI, I ² C, PCI, SPI | DUART, HSSI, I ² C, PCI, SPI | DUART, HSSI, I ² C, PCI, SPI | CAN, DUART, I ² C, MMC/SD, PCI, SPI, TDM |
| Voltage - I/O | 1.8V, 2.5V, 3.3V | 1.8V, 2.5V, 3.3V | 1.8V, 2.5V, 3.3V | 1.8V, 3.3V |
| Graphics Acceleration | No | No | No | No |
| Series | MPC83xx | MPC83xx | MPC83xx | MPC83xx |
| RAM Controllers | DDR, DDR2 | DDR, DDR2 | DDR, DDR2 | DDR2 |
| USB | USB 2.0 + PHY (1) | USB 2.0 + PHY (1) | USB 2.0 + PHY (1) | USB 2.0 (1) |
| SATA | - | - | - | - |
| Supplier Device Package | 516-TEPBGA (27x27) | 516-TEPBGA (27x27) | 516-TEPBGA (27x27) | 489-PBGA (19x19) |

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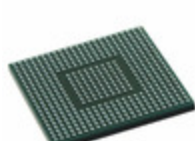
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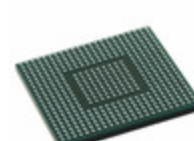
MPC8313CVRAFFC
NXP USA Inc.
IC MPU MPC83XX 333MHZ 516BGA



MPC8313CZQAGDC
Freescale Semiconductor
POWERQUICC 32 BIT POWER ARCHITEC



MPC8309VMADDCA
NXP USA Inc.
IC MPU MPC83XX 266MHZ 489BGA



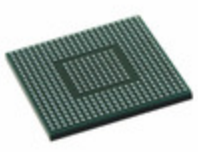
MPC8309VMAGDCA
NXP USA Inc.
IC MPU MPC83XX 400MHZ 489BGA



MPC8313CZQAFFC
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MPC8313CVRAFFB
NXP USA Inc.
IC MPU MPC83XX 333MHZ 516BGA



MPC8309VMAHFCA

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IC MPU MPC83XX 417MHZ 489BGA

MPC8309VMAHFCA

Freescale Semiconductor
POWERQUICC POWER ARCH SOC,
417MH

MPC8313CZQAFF

Freescale Semiconductor
MPU, 32-BIT, 333MHZ, PBGA516

MPC8313CVRADDB

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

MPC8313CVRADDC

Freescale Semiconductor
POWERQUICC 32 BIT POWER
ARCHITEC

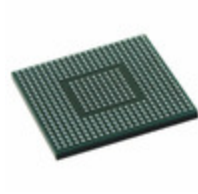
MPC8313ECVRAFFB

NXP USA Inc.
IC MPU MPC83XX 333MHZ 516BGA



MPC8313CVRAFF

NXP USA Inc.
IC MPU MPC83XX 333MHZ 516BGA



MPC8309CVMAHFCA

NXP USA Inc.
IC MPU MPC83XX 417MHZ 489BGA



MPC8313CVRADDC

NXP USA Inc.
IC MPU MPC83XX 267MHZ 516BGA



MPC8313CZQAFFC

NXP USA Inc.
IC MPU POWERQUICC II PRO
516PBGA



MPC8313CZQAFF

NXP USA Inc.
IC MPU MPC83XX 333MHZ 516BGA



MPC8313CVRADDB

NXP USA Inc.
IC MPU MPC83XX 267MHZ 516BGA

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



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Contact us

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