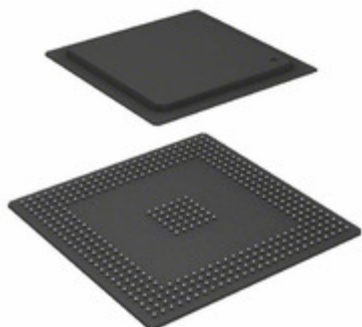


MPC566CZP56



Part Number: [MPC566CZP56](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MCU 32BIT 1MB FLASH 388BGA

Data sheet:  [MPC565,566 Prod Brief](#)

RoHs Status: Contains lead / RoHS non-compliant

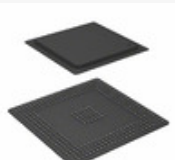
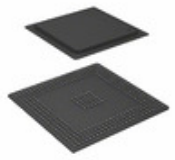
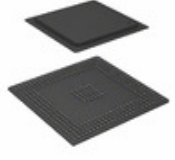
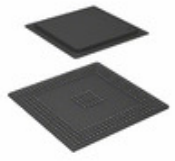
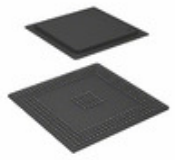
Ship From: Hong Kong

Shipment Way: DHL/Fedex/TNT/UPS/EMS

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See Product Specifications for product details.  
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                    |                                  |                                                |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|----------------------------------|------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | MPC566CZP56                                                                        | Manufacturer                     | <a href="#">NXP Semiconductors / Freescale</a> |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | IC MCU 32BIT 1MB FLASH 388BGA                                                      | Lead Free Status / RoHS Status   | Contains lead / RoHS non-compliant             |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1159 pcs                                                                           | Data sheet                       | <a href="#">MPC565,566 Prod Brief</a>          |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <a href="#">Integrated Circuits (ICs)</a>                                          | Voltage - Supply (Vcc/Vdd)       | 2.5 V ~ 2.7 V                                  |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 388-PBGA (27x27)                                                                   | Speed                            | 56MHz                                          |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | MPC5xx                                                                             | RAM Size                         | 36K x 8                                        |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | FLASH                                                                              | Program Memory Size              | 1MB (1M x 8)                                   |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | POR, PWM, WDT                                                                      | Packaging                        | Tray                                           |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 388-BBGA                                                                           | Other Names                      | 935309526557                                   |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | External                                                                           | Operating Temperature            | -40°C ~ 85°C (TA)                              |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 56                                                                                 | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                  |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Contains lead / RoHS non-compliant                                                 | EEPROM Size                      | -                                              |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | PowerPC MPC5xx Microcontroller IC 32-Bit 56MHz 1MB (1M x 8) FLASH 388-PBGA (27x27) | Data Converters                  | A/D 40x10b                                     |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 32-Bit                                                                             | Core Processor                   | PowerPC                                        |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | CANbus, EBI/EMI, SCI, SPI, UART/USART                                              | Base Part Number                 | MPC566                                         |
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| RELATED PRODUCTS                                                                   |                                                                                          |                                                               |                |
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|  | Part#: <a href="#">MPC566CVR40</a><br>Description: IC MCU 32BIT 1MB FLASH 388BGA         | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC566MVR56</a><br>Description: IC MCU 32BIT 1MB FLASH 388BGA         | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC567XKIT516-PT</a><br>Description: EVALUATION KIT FOR QORIVVA MPC56 | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC565MZIP56R2</a><br>Description: IC MCU 32BIT 1MB FLASH 388BGA      | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC5744P-257DS</a><br>Description: DAUGHTER CARD MPC5744P W SOCKET    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC566AVR56</a><br>Description: IC MCU 32BIT 1MB FLASH 388BGA         | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC565MVR56R2</a><br>Description: IC MCU 32BIT 1MB FLASH 388BGA       | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC566MZIP56</a><br>Description: IC MCU 32BIT 1MB FLASH 388BGA        | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC5668GNEXUSADP</a><br>Description: ADAPTER FOR FULL NEXUS           | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC5746R-176DS</a><br>Description: DAUGHTER CARD MPC5746R W SOCKET    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC566EVB</a><br>Description: KIT EVALUATION FOR MPC565/566           | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC5748G-LCEVB</a><br>Description: LOW COST EVB FOR MPC5748G          | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC5746R-144DS</a><br>Description: DAUGHTER BOARD FOR MPC5746R        | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC5744P-144DS</a><br>Description: DAUGHTER BOARD FOR MPC5744P        | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC566AZP56</a><br>Description: IC MCU 32BIT 1MB FLASH 388BGA         | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC566CZP40</a><br>Description: IC MCU 32BIT 1MB FLASH 388BGA         | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC565MVR56</a><br>Description: IC MCU 32BIT 1MB FLASH 388BGA         | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC565MZIP56</a><br>Description: IC MCU 32BIT 1MB FLASH 388BGA        | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC566CVR56</a><br>Description: IC MCU 32BIT 1MB FLASH 388BGA         | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC5746R-252DS</a><br>Description: DAUGHTER CARD MPC5746R W SOCKET    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |

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