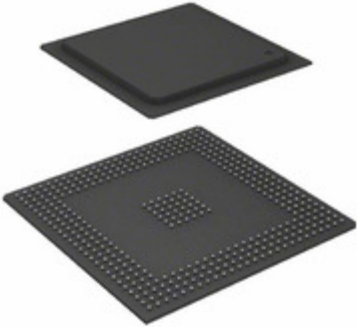


MPC563MZIP66



Part Number: [MPC563MZIP66](#)

Manufacturer: [NXP USA Inc.](#)

Description: IC MCU 32BIT 512KB FLASH 388BGA

Data sheet:  [MPC561/563 Ref Manual](#)

RoHS Status: Contains lead / RoHS non-compliant

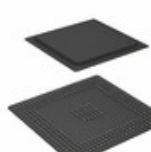
Ship From: Hong Kong

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

Images are for reference only.  
See Product Specifications for product details.  
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                      |                                           |                                  |                                                                                        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------|----------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                            | MPC563MZIP66                              | Manufacturer                     | <a href="#">NXP USA Inc.</a>                                                           |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                            | IC MCU 32BIT 512KB FLASH 388BGA           | Lead Free Status / RoHS Status   | Contains lead / RoHS non-compliant                                                     |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                     | 5952 pcs                                  | Data sheet                       | <a href="#">MPC561/563 Ref Manual</a>                                                  |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                               | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)       | FLASH                                                                                  |
| Voltage - Breakdown                                                                                                                                                                                                                                                                                                                                                                                                                    | 388-PBGA (27x27)                          | Series                           | MPC5xx                                                                                 |
| RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                            | Tray                                      | Reverse Recovery Time (trr)      | 66MHz                                                                                  |
| Requires                                                                                                                                                                                                                                                                                                                                                                                                                               | POR, PWM, WDT                             | Program Memory Type              | 512KB (512K x 8)                                                                       |
| Program Memory Size                                                                                                                                                                                                                                                                                                                                                                                                                    | CAN, EBI/EMI, SCI, SPI, UART/USART        | Polarization                     | 388-BBGA                                                                               |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                        | A/D 32x10b                                | Operating Temperature            | -40°C ~ 125°C (TA)                                                                     |
| Operating System                                                                                                                                                                                                                                                                                                                                                                                                                       | PowerPC                                   | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                          |
| Manufacturer Part Number                                                                                                                                                                                                                                                                                                                                                                                                               | MPC563MZIP66                              | Expanded Description             | PowerPC MPC5xx Microcontroller IC 32-Bit 66MHz 512KB (512K x 8) FLASH 388-PBGA (27x27) |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                            | IC MCU 32BIT 512KB FLASH 388BGA           | Data SRAM Bytes                  | -                                                                                      |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                        | 2.5 V ~ 2.7 V                             | Core Size                        | 32K x 8                                                                                |
| Controller Series                                                                                                                                                                                                                                                                                                                                                                                                                      | External                                  | Connectivity                     | 32-Bit                                                                                 |
| Clock Rate                                                                                                                                                                                                                                                                                                                                                                                                                             | 56                                        |                                  |                                                                                        |
| Component-World.com is a Reliable Stocking Distributor of Electronic Components. We specialize in all NXP Semiconductors / Freescale series electronic components. We have 5952 pieces of NXP Semiconductors / Freescale MPC563MZIP66 in stock available now. Request a quote from electronics components distributor at Component-World.com, our sales team will contact you within 24 hours.<br>RFQ Email: info@Components-World.com |                                           |                                  |                                                                                        |

| RELATED PRODUCTS                                                                   |                                                                                       |                                                               |                |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------|----------------|
|  | Part#: <a href="#">MPC563MZIP56</a><br>Description: IC MCU 32BIT 512KB FLASH 388BGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC564CVR66</a><br>Description: IC MCU 32BIT 512KB FLASH 388BGA    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC564MZIP56</a><br>Description: IC MCU 32BIT 512KB FLASH 388BGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC564MZIP56R2</a><br>Description: IC MCU 32BIT 512KB FLASH 388BGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC564CZIP66</a><br>Description: IC MCU 32BIT 512KB FLASH 388BGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC563MVR56</a><br>Description: IC MCU 32BIT 512KB FLASH 388BGA    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC563MVR66R</a><br>Description: IC MCU 32BIT 512KB FLASH 388BGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC563MZIP66R2</a><br>Description: IC MCU 32BIT 512KB FLASH 388BGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC563MZIP56R2</a><br>Description: IC MCU 32BIT 512KB FLASH 388BGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC563CVR40</a><br>Description: IC MCU 32BIT 512KB FLASH 388BGA    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC564CZIP40</a><br>Description: IC MCU 32BIT 512KB FLASH 388BGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC563MVR56R2</a><br>Description: IC MCU 32BIT 512KB FLASH 388BGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC563CZIP40</a><br>Description: IC MCU 32BIT 512KB FLASH 388BGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC564CVR40</a><br>Description: IC MCU 32BIT 512KB FLASH 388BGA    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC564EVB</a><br>Description: KIT EVAL FOR MPC561/562/563/564      | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC563MVR66</a><br>Description: IC MCU 32BIT 512KB FLASH 388BGA    | Manufacturers: <a href="#">NXP USA Inc.</a>                   | <div>RFQ</div> |
|  | Part#: <a href="#">MPC564MVR56</a><br>Description: IC MCU 32BIT 512KB FLASH 388BGA    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC563CZIP66</a><br>Description: IC MCU 32BIT 512KB FLASH 388BGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC562MZIP66R2</a><br>Description: IC MCU 32BIT ROMLESS 388PBGA    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC564MVR56R2</a><br>Description: IC MCU 32BIT 512KB FLASH 388BGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |

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