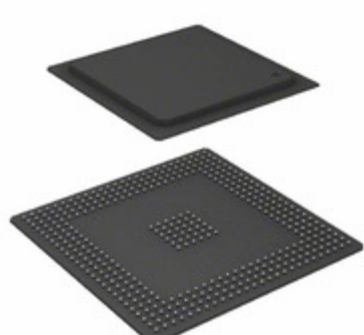


## MPC561CZP40



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See Product Specifications for product details.  
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**Part Number:** [MPC561CZP40](#)  
**Manufacturer:** [NXP Semiconductors / Freescale](#)  
**Description:** IC MCU 32BIT ROMLESS 388PBGA  
**Data sheet:** [MPC561/563 Ref Manual](#)

**RoHS Status:** Contains lead / RoHS non-compliant  
**Ship From:** Hong Kong  
**Shipment Way:** DHL/Fedex/TNT/UPS/EMS

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### PRODUCT PARAMETER

|                                       |   |   |  |
|---------------------------------------|---|---|--|
| <b>Part Number</b>                    | MPC561CZP40   | <b>Manufacturer</b>                     | <a href="#">NXP Semiconductors / Freescale</a> |
| <b>Description</b>                    | IC MCU 32BIT ROMLESS 388PBGA  | <b>Lead Free Status / RoHS Status</b>   | Contains lead / RoHS non-compliant             |
| <b>Quantity Available</b>             | 2302 pcs  | <b>Data sheet</b>                       | <a href="#">MPC561/563 Ref Manual</a>          |
| <b>Category</b>                       | <a href="#">Integrated Circuits (ICs)</a>                               | <b>Voltage - Supply (Vcc/Vdd)</b>       | 2.5 V ~ 2.7 V                                  |
| <b>Supplier Device Package</b>        | 388-PBGA (27x27)  | <b>Speed</b>                            | 40MHz  |
| <b>Series</b>                         | MPC5xx  | <b>RAM Size</b>                         | 32K x 8  |
| <b>Program Memory Type</b>            | ROMless   | <b>Program Memory Size</b>              | -  |
| <b>Peripherals</b>                    | POR, PWM, WDT   | <b>Packaging</b>                        | Tray   |
| <b>Package / Case</b>                 | 388-BBGA  | <b>Other Names</b>                      | 935319133557                                   |
| <b>Oscillator Type</b>                | External  | <b>Operating Temperature</b>            | -40°C ~ 85°C (TA)                              |
| <b>Number of I/O</b>                  | 64  | <b>Moisture Sensitivity Level (MSL)</b> | 3 (168 Hours)                                  |
| <b>Lead Free Status / RoHS Status</b> | Contains lead / RoHS non-compliant                                      | <b>EEPROM Size</b>                      | -  |
| <b>Detailed Description</b>           | PowerPC MPC5xx Microcontroller IC 32-Bit 40MHz ROMless 388-PBGA (27x27) | <b>Data Converters</b>                  | A/D 32x10b                                     |
| <b>Core Size</b>                      | 32-Bit  | <b>Core Processor</b>                   | PowerPC  |
| <b>Connectivity</b>                   | CANbus, EBI/EMI, SCI, SPI, UART/USART                                   | <b>Base Part Number</b>                 | MPC561   |

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|  |   |  |                     |
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|  | <b>Part#:</b> <a href="#">MPC5566MZP132</a><br><b>Description:</b> IC MCU 32BIT 3MB FLASH 416BGA  | <b>Manufacturers:</b> <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | <b>Part#:</b> <a href="#">MPC561MZP66</a><br><b>Description:</b> IC MCU 32BIT ROMLESS 388PBGA     | <b>Manufacturers:</b> <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | <b>Part#:</b> <a href="#">MPC5566MZP144</a><br><b>Description:</b> IC MCU 32BIT 3MB FLASH 416BGA  | <b>Manufacturers:</b> <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | <b>Part#:</b> <a href="#">MPC5567MVR132</a><br><b>Description:</b> NXP 32-BIT MCU POWER ARCH CORE | <b>Manufacturers:</b> <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | <b>Part#:</b> <a href="#">MPC561MZP56</a><br><b>Description:</b> IC MCU 32BIT ROMLESS 388PBGA     | <b>Manufacturers:</b> <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | <b>Part#:</b> <a href="#">MPC561CZP66</a><br><b>Description:</b> IC MCU 32BIT ROMLESS 388PBGA     | <b>Manufacturers:</b> <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | <b>Part#:</b> <a href="#">MPC562MZP56</a><br><b>Description:</b> IC MCU 32BIT ROMLESS 388PBGA     | <b>Manufacturers:</b> <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | <b>Part#:</b> <a href="#">MPC5567EVBE</a><br><b>Description:</b> BOARD EVALUATION MPC5567         | <b>Manufacturers:</b> <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | <b>Part#:</b> <a href="#">MPC5604EKIT</a><br><b>Description:</b> KIT DEV VOE WITH MPC5604E        | <b>Manufacturers:</b> <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | <b>Part#:</b> <a href="#">MPC561CVR40</a><br><b>Description:</b> IC MCU 32BIT ROMLESS 388PBGA     | <b>Manufacturers:</b> <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | <b>Part#:</b> <a href="#">MPC5606S-DEMO-V2</a><br><b>Description:</b> BOARD EVAL FOR MPC5606S MCU | <b>Manufacturers:</b> <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
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|  | <b>Part#:</b> <a href="#">MPC562CZP40</a><br><b>Description:</b> IC MCU 32BIT ROMLESS 388PBGA     | <b>Manufacturers:</b> <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
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|  | <b>Part#:</b> <a href="#">MPC5566MVR132</a><br><b>Description:</b> IC MCU 32BIT 3MB FLASH 416BGA  | <b>Manufacturers:</b> <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |

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