




NXP Semiconductors / Freescale

## MPC8247ZQPIEA

|                      |                                                                                                                      |
|----------------------|----------------------------------------------------------------------------------------------------------------------|
| Part Number:         | MPC8247ZQPIEA                                                                                                        |
| Manufacturer/Brand:  | NXP Semiconductors / Freescale                                                                                       |
| Product description: | IC MPU MPC82XX 300MHZ 516BGA                                                                                         |
| Datasheets:          | <a href="#">MPC8247ZQPIEA.pdf</a>                                                                                    |
| RoHS Status:         |  Contains lead / RoHS non-compliant |
| Ship From:           | Hong Kong                                                                                                            |
| Shipment Way:        | DHL/Fedex/TNT/UPS/EMS                                                                                                |

[REQUEST FOR QUOTATION](#)

Image may be representation. See specifications for product details.

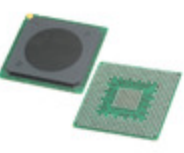
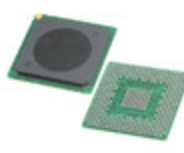
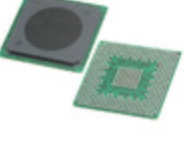
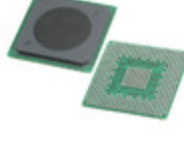

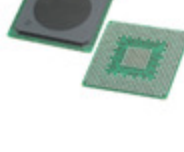

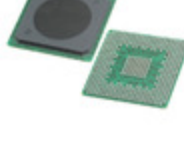
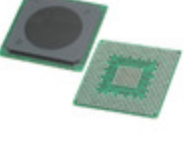
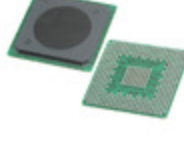

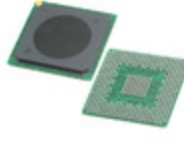
### Specifications of MPC8247ZQPIEA

|                                  |                                                                                 |
|----------------------------------|---------------------------------------------------------------------------------|
| PART NUMBER                      | MPC8247ZQPIEA                                                                   |
| MANUFACTURER                     | NXP Semiconductors / Freescale                                                  |
| DESCRIPTION                      | IC MPU MPC82XX 300MHZ 516BGA                                                    |
| LEAD FREE STATUS / ROHS STATUS   | Contains lead / RoHS non-compliant                                              |
| DATA SHEET                       | <a href="#">MPC8247ZQPIEA.pdf</a>                                               |
| VOLTAGE - I/O                    | 3.3V                                                                            |
| USB                              | USB 2.0 (1)                                                                     |
| SUPPLIER DEVICE PACKAGE          | 516-FPBGA (27x27)                                                               |
| SPEED                            | 300MHz                                                                          |
| SERIES                           | MPC82xx                                                                         |
| SECURITY FEATURES                | -                                                                               |
| SATA                             | -                                                                               |
| RAM CONTROLLERS                  | DRAM, SDRAM                                                                     |
| PACKAGING                        | Tray                                                                            |
| PACKAGE / CASE                   | 516-BBGA                                                                        |
| OPERATING TEMPERATURE            | 0°C ~ 105°C (TA)                                                                |
| NUMBER OF CORES/BUS WIDTH        | 1 Core, 32-Bit                                                                  |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                   |
| LEAD FREE STATUS / ROHS STATUS   | Contains lead / RoHS non-compliant                                              |
| GRAPHICS ACCELERATION            | No                                                                              |
| ETHERNET                         | 10/100 Mbps (2)                                                                 |
| DISPLAY & INTERFACE CONTROLLERS  | -                                                                               |
| DETAILED DESCRIPTION             | PowerPC G2_LE Microprocessor IC MPC82xx 1 Core, 32-Bit 300MHz 516-FPBGA (27x27) |
| CORE PROCESSOR                   | PowerPC G2_LE                                                                   |
| CO-PROCESSORS/DSP                | Communications; RISC CPM                                                        |
| BASE PART NUMBER                 | MPC8247                                                                         |
| ADDITIONAL INTERFACES            | I <sup>2</sup> C, SCC, SMC, SPI, UART, USART                                    |

### Related Tags

|                                                              |                                                         |                                                                  |
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### Related Products

|                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p><b>MPC8247CZQTIEA</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU MPC82XX 400MHZ 516BGA<br/>In stock: Out stock<br/><a href="#">RFQ</a></p> |  <p><b>MPC8248CVRTIEA</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU MPC82XX 400MHZ 516BGA<br/>In stock: 123 pcs<br/><a href="#">RFQ</a></p>   |
|  <p><b>MPC8247VRMIBA</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU MPC82XX 266MHZ 516BGA<br/>In stock: 58 pcs<br/><a href="#">RFQ</a></p>     |  <p><b>MPC8247ZQTIEA</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU MPC82XX 400MHZ 516BGA<br/>In stock: 74 pcs<br/><a href="#">RFQ</a></p>     |
|  <p><b>MPC8247ZQTMFA</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU MPC82XX 400MHZ 516BGA<br/>In stock: Out stock<br/><a href="#">RFQ</a></p>  |  <p><b>MPC8248CVRPIEA</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU MPC82XX 300MHZ 516BGA<br/>In stock: Out stock<br/><a href="#">RFQ</a></p> |
|  <p><b>MPC8248CZQMIBA</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU MPC82XX 266MHZ 516BGA<br/>In stock: Out stock<br/><a href="#">RFQ</a></p> |  <p><b>MPC8247VRTIEA</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU MPC82XX 400MHZ 516BGA<br/>In stock: 74 pcs<br/><a href="#">RFQ</a></p>     |
|  <p><b>MPC8247ZQMIBA</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU MPC82XX 266MHZ 516BGA<br/>In stock: Out stock<br/><a href="#">RFQ</a></p>  |  <p><b>MPC8247VRTMFA</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU MPC82XX 400MHZ 516BGA<br/>In stock: Out stock<br/><a href="#">RFQ</a></p>  |
|  <p><b>MPC8248CVRMIBA</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU MPC82XX 266MHZ 516BGA<br/>In stock: 103 pcs<br/><a href="#">RFQ</a></p>   |  <p><b>MPC8247VRPIEA</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU MPC82XX 300MHZ 516BGA<br/>In stock: Out stock<br/><a href="#">RFQ</a></p>  |