

KMPC8270ZUUPEA



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**Part Number:** [KMPC8270ZUUPEA](#)

**Manufacturer:** [NXP Semiconductors / Freescale](#)

**Description:** IC MPU MPC82XX 450MHZ 480TBGA

**Data sheet:**  [MPC8280 PowerQUICC II Family](#)

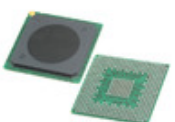
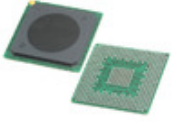
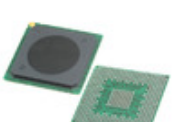
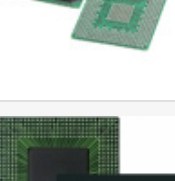
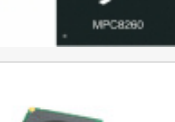
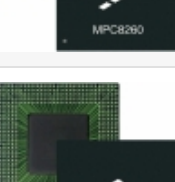
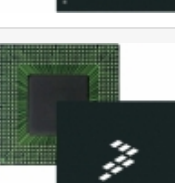
**RoHs Status:** Contains lead / RoHS non-compliant

**Ship From:** Hong Kong

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

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                    |                                  |                                                |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|----------------------------------|------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | KMPC8270ZUUPEA                                                                     | Manufacturer                     | <a href="#">NXP Semiconductors / Freescale</a> |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | IC MPU MPC82XX 450MHZ 480TBGA                                                      | Lead Free Status / RoHS Status   | Contains lead / RoHS non-compliant             |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 4398 pcs                                                                           | Data sheet                       | <a href="#">MPC8280 PowerQUICC II Family</a>   |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <a href="#">Integrated Circuits (ICs)</a>                                          | Voltage - I/O                    | 3.3V                                           |
| USB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | USB 2.0 (1)                                                                        | Supplier Device Package          | 480-TBGA (37.5x37.5)                           |
| Speed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 450MHz                                                                             | Series                           | MPC82xx                                        |
| Security Features                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | -                                                                                  | SATA                             | -                                              |
| RAM Controllers                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | DRAM, SDRAM                                                                        | Packaging                        | Tray                                           |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 480-LBGA Exposed Pad                                                               | Operating Temperature            | 0°C ~ 105°C (TA)                               |
| Number of Cores/Bus Width                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1 Core, 32-Bit                                                                     | Moisture Sensitivity Level (MSL) | 2A (4 Weeks)                                   |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Contains lead / RoHS non-compliant                                                 | Graphics Acceleration            | No                                             |
| Ethernet                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 10/100 Mbps (3)                                                                    | Display & Interface Controllers  | -                                              |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | PowerPC G2_LE Microprocessor IC MPC82xx 1 Core, 32-Bit 450MHz 480-TBGA (37.5x37.5) | Core Processor                   | PowerPC G2_LE                                  |
| Co-Processors/DSP                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Communications; RISC CPM                                                           | Base Part Number                 | MPC8270                                        |
| Additional Interfaces                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | IPC, SCC, SMC, SPI, UART, USART                                                    |                                  |                                                |
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|  | Part#: <a href="#">KMPC8270CZQMIBA</a><br>Description: IC MPU MPC82XX 266MHZ 516BGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
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|  | Part#: <a href="#">KMPC8270ZQMIBA</a><br>Description: IC MPU MPC82XX 266MHZ 516BGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
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|  | Part#: <a href="#">KMPC8272CVRTIEA</a><br>Description: IC MPU MPC82XX 400MHZ 516BGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
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|  | Part#: <a href="#">KMPC8270CZUQLDA</a><br>Description: IC MPU MPC82XX 333MHZ 480TBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
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|  | Part#: <a href="#">KMPC8271CZQTIEA</a><br>Description: IC MPU MPC82XX 400MHZ 516BGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |

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