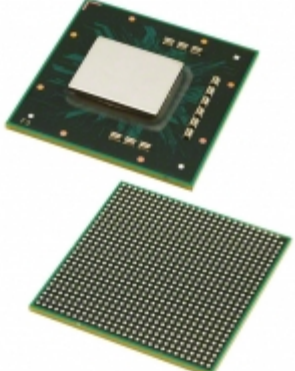


KMPC8560VT667LB



Images are for reference only.  
See Product Specifications for product details.  
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**Part Number:** [KMPC8560VT667LB](#)

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

**Description:** IC MPU MPC85XX 667MHZ 783FCBGA

**Data sheet:**  [MPC8560](#)  
 [MPC8560 PowerQUICC III](#)

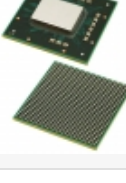
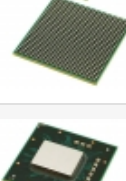
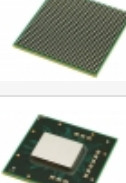
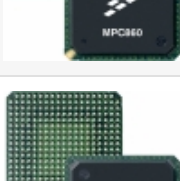
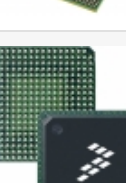
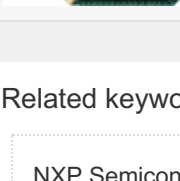
**RoHs Status:** Lead free / RoHS Compliant

**Ship From:** Hong Kong

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

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                |                                  |                                                                   |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|----------------------------------|-------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | KMPC8560VT667LB                                                                | Manufacturer                     | <a href="#">NXP Semiconductors / Freescale</a>                    |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | IC MPU MPC85XX 667MHZ 783FCBGA                                                 | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                        |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 5823 pcs                                                                       | Data sheet                       | <a href="#">MPC8560</a><br><a href="#">MPC8560 PowerQUICC III</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <a href="#">Integrated Circuits (ICs)</a>                                      | Voltage - I/O                    | 2.5V, 3.3V                                                        |
| USB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | -                                                                              | Supplier Device Package          | 783-FCBGA (29x29)                                                 |
| Speed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 667MHz                                                                         | Series                           | MPC85xx                                                           |
| Security Features                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | -                                                                              | SATA                             | -                                                                 |
| RAM Controllers                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | DDR, SDRAM                                                                     | Packaging                        | Tray                                                              |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 784-BBGA, FCBGA                                                                | 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                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Lead free / RoHS Compliant                                                     | Graphics Acceleration            | No                                                                |
| Ethernet                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 10/100/1000 Mbps (2)                                                           | Display & Interface Controllers  | -                                                                 |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | PowerPC e500 Microprocessor IC MPC85xx 1 Core, 32-Bit 667MHz 783-FCBGA (29x29) | Core Processor                   | PowerPC e500                                                      |
| Co-Processors/DSP                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Communications; CPM                                                            | Base Part Number                 | MPC8560                                                           |
| Additional Interfaces                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | I <sup>2</sup> C, PCI, RapidIO, SPI, TDM, UART                                 |                                  |                                                                   |
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| RELATED PRODUCTS                                                                   |                                             |                                                               |                     |
|------------------------------------------------------------------------------------|---------------------------------------------|---------------------------------------------------------------|---------------------|
|  | Part#: <a href="#">KMPC855TZQ80D4</a>       | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|                                                                                    | Description: IC MPU MPC8XX 80MHZ 357BGA     |                                                               |                     |
|  | Part#: <a href="#">KMPC8560VT667LC</a>      | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|                                                                                    | Description: IC MPU MPC85XX 667MHZ 783FCBGA |                                                               |                     |
|  | Part#: <a href="#">KMPC8560CPX667JB</a>     | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|                                                                                    | Description: IC MPU MPC85XX 667MHZ 783FCBGA |                                                               |                     |
|  | Part#: <a href="#">KMPC8560PX833LC</a>      | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|                                                                                    | Description: IC MPU MPC85XX 833MHZ 783FCBGA |                                                               |                     |
|  | Part#: <a href="#">KMPC857DSLVR50B</a>      | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|                                                                                    | Description: IC MPU MPC8XX 50MHZ 357BGA     |                                                               |                     |
|  | Part#: <a href="#">KMPC8560CVT667JB</a>     | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|                                                                                    | Description: IC MPU MPC85XX 667MHZ 783FCBGA |                                                               |                     |
|  | Part#: <a href="#">KMPC8560VT833LB</a>      | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|                                                                                    | Description: IC MPU MPC85XX 833MHZ 783FCBGA |                                                               |                     |
|  | Part#: <a href="#">KMPC857TCZQ80B</a>       | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|                                                                                    | Description: IC MPU MPC8XX 80MHZ 357BGA     |                                                               |                     |
|  | Part#: <a href="#">KMPC8560VT833LC</a>      | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|                                                                                    | Description: IC MPU MPC85XX 833MHZ 783FCBGA |                                                               |                     |
|  | Part#: <a href="#">KMPC857DSLZQ66B</a>      | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|                                                                                    | Description: IC MPU MPC8XX 66MHZ 357BGA     |                                                               |                     |
|  | Part#: <a href="#">KMPC8560PX667JB</a>      | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|                                                                                    | Description: IC MPU MPC85XX 667MHZ 783FCBGA |                                                               |                     |
|  | Part#: <a href="#">KMPC8560VTAQFB</a>       | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|                                                                                    | Description: IC MPU MPC85XX 1.0GHZ 783FCBGA |                                                               |                     |
|  | Part#: <a href="#">KMPC8560PX667LC</a>      | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|                                                                                    | Description: IC MPU MPC85XX 667MHZ 783FCBGA |                                                               |                     |
|  | Part#: <a href="#">KMPC855TVR80D4</a>       | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|                                                                                    | Description: IC MPU MPC8XX 80MHZ 357BGA     |                                                               |                     |
|  | Part#: <a href="#">KMPC857TCVR80B</a>       | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|                                                                                    | Description: IC MPU MPC8XX 80MHZ 357BGA     |                                                               |                     |
|  | Part#: <a href="#">KMPC8560PX667LB</a>      | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|                                                                                    | Description: IC MPU MPC85XX 667MHZ 783FCBGA |                                                               |                     |
|  | Part#: <a href="#">KMPC8560PXAQFB</a>       | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|                                                                                    | Description: IC MPU MPC85XX 1.0GHZ 783FCBGA |                                                               |                     |
|  | Part#: <a href="#">KMPC857DSLVR66B</a>      | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|                                                                                    | Description: IC MPU MPC8XX 66MHZ 357BGA     |                                                               |                     |
|  | Part#: <a href="#">KMPC8560PX833LB</a>      | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|                                                                                    | Description: IC MPU MPC85XX 833MHZ 783FCBGA |                                                               |                     |
|  | Part#: <a href="#">KMPC857TCVR66B</a>       | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|                                                                                    | Description: IC MPU MPC8XX 66MHZ 357BGA     |                                                               |                     |

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