

P1016PSE5FFB



**Part Number:** [P1016PSE5FFB](#)

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

**Description:** IC MPU Q OR IQ 667MHZ 561TEBGA1

**Data sheet:**  [P1016, P1025 Series Fact Sheet](#)

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

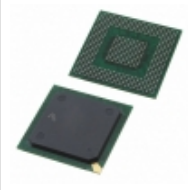
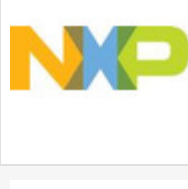
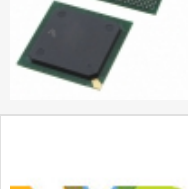
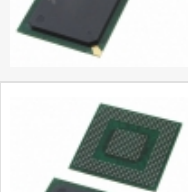
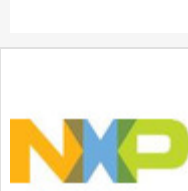
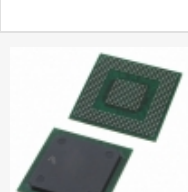
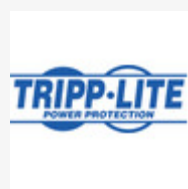
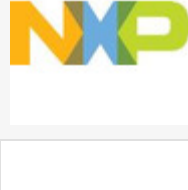
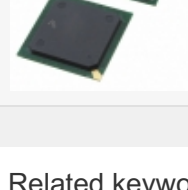
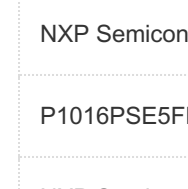
**Ship From:** Hong Kong

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

Images are for reference only.  
See Product Specifications for product details.  
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                             |                                  |                                                |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|----------------------------------|------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | P1016PSE5FFB                                                                | Manufacturer                     | <a href="#">NXP Semiconductors / Freescale</a> |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | IC MPU Q OR IQ 667MHZ 561TEBGA1                                             | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                     |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 4998 pcs                                                                    | Data sheet                       | <a href="#">P1016, P1025 Series Fact Sheet</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <a href="#">Integrated Circuits (ICs)</a>                                   | Voltage - I/O                    | -                                              |
| USB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | USB 2.0 + PHY (2)                                                           | Supplier Device Package          | 561-TEPBGA1                                    |
| Speed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 667MHz                                                                      | Series                           | QorIQ P1                                       |
| Security Features                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Cryptography, Random Number Generator                                       | SATA                             | -                                              |
| RAM Controllers                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | DDR2, DDR3                                                                  | Packaging                        | Bulk                                           |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 561-TEPBGA1                                                                 | Operating Temperature            | 0°C ~ 125°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 (3)                                                        | Display & Interface Controllers  | -                                              |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | PowerPC e500v2 Microprocessor IC QorIQ P1 1 Core, 32-Bit 667MHz 561-TEPBGA1 | Core Processor                   | PowerPC e500v2                                 |
| Co-Processors/DSP                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Communications; QUICC Engine, Security; SEC 3.3                             | Base Part Number                 | P1016                                          |
| Additional Interfaces                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | DUART, I²C, MMC/SD, SPI                                                     |                                  |                                                |
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|  | Part#: <a href="#">P1016NXE5BFB</a><br>Description: IC MPU Q OR IQ 667MHZ 561TEBGA1 | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">P1017NSE5HFB</a><br>Description: IC MPU Q OR IQ 800MHZ 457TEBGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">P1017NSE5BFB</a><br>Description: IC MPU Q OR IQ 400MHZ 457TEBGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
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|  | Part#: <a href="#">P1016NXN5DFB</a><br>Description: IC MPU Q OR IQ 667MHZ 561TEBGA1 | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">P1016NSN5DFB</a><br>Description: IC MPU Q OR IQ 667MHZ 561TEBGA1 | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">P102-000</a><br>Description: GENDER CHANGER DB9F TO DB25F        | Manufacturers: <a href="#">Tripp Lite</a>                     | <a href="#">RFQ</a> |
|  | Part#: <a href="#">P1017NSN5CFB</a><br>Description: IC MPU Q OR IQ 500MHZ 457TEBGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
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