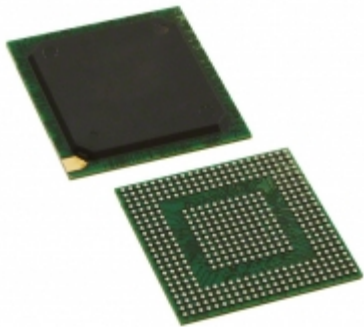


P1014NSN5HHB



Images are for reference only.  
See Product Specifications for product details.  
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**Part Number:** [P1014NSN5HHB](#)

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

**Description:** IC MPU Q OR IQ 800MHZ 425TEBGA

**Data sheet:**  [SATA-A-006187 Errata](#)  
 [SATA-A005255 Errata](#)  
 [MPIC Double Interrupt Errata](#)  
 [TBI Link Status Errata](#)  
 [USB Errata](#)  
 [P1 Series \(P1010/14\) Brief](#)  
 [QorIQ P1010,P1014 Fact Sheet](#)

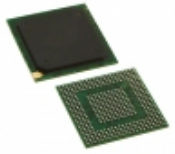
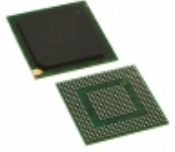
**RoHs Status:** Lead free / RoHS Compliant

**Ship From:** Hong Kong

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

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                           |                                |                                                                                                                                                                                                                                                                                                   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | P1014NSN5HHB                              | Manufacturer                   | <a href="#">NXP Semiconductors / Freescale</a>                                                                                                                                                                                                                                                    |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | IC MPU Q OR IQ 800MHZ 425TEBGA            | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                        |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 3071 pcs                                  | Data sheet                     | <a href="#">SATA-A-006187 Errata</a><br><a href="#">SATA-A005255 Errata</a><br><a href="#">MPIC Double Interrupt Errata</a><br><a href="#">TBI Link Status Errata</a><br><a href="#">USB Errata</a><br><a href="#">P1 Series (P1010/14) Brief</a><br><a href="#">QorIQ P1010,P1014 Fact Sheet</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <a href="#">Integrated Circuits (ICs)</a> | Voltage - I/O                  | -                                                                                                                                                                                                                                                                                                 |
| USB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | USB 2.0 + PHY (1)                         | Supplier Device Package        | 425-TEPBGA I (19x19)                                                                                                                                                                                                                                                                              |
| Speed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 800MHz                                    | Series                         | QorIQ P1                                                                                                                                                                                                                                                                                          |
| Security Features                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | -                                         | SATA                           | SATA 3Gbps (2)                                                                                                                                                                                                                                                                                    |
| RAM Controllers                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | DDR3, DDR3L                               | Packaging                      | Tray                                                                                                                                                                                                                                                                                              |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 425-FBGA                                  | Other Names                    | 935325781557                                                                                                                                                                                                                                                                                      |
| 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 e500v2 Microprocessor IC QorIQ P1 1 Core, 32-Bit 800MHz 425-TEPBGA I (19x19)                                                                                                                                                                                                              |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | PowerPC e500v2                            | Co-Processors/DSP              | -                                                                                                                                                                                                                                                                                                 |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | P1014                                     | Additional Interfaces          | DUART, I²C, MMC/SD, SPI                                                                                                                                                                                                                                                                           |
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|  | Part#: <a href="#">P1014NSN5HFA</a><br>Description: IC MPU Q OR IQ 800MHZ 425TEBGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">P1014NSN5DFB</a><br>Description: IC MPU Q OR IQ 800MHZ 425TEBGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">P1014NXE5HFB</a><br>Description: IC MPU Q OR IQ 800MHZ 425TEBGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">P1014NXN5DFA</a><br>Description: IC MPU Q OR IQ 800MHZ 425TEBGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">P1014NXE5FFB</a><br>Description: IC MPU Q OR IQ 800MHZ 425TEBGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
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|  | Part#: <a href="#">P1014NXE5DFB</a><br>Description: IC MPU Q OR IQ 800MHZ 425TEBGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">P1014NSN5FFB</a><br>Description: IC MPU Q OR IQ 800MHZ 425TEBGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">P1014NSN5HHA</a><br>Description: IC MPU Q OR IQ 800MHZ 425TEBGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
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|  | Part#: <a href="#">P1014NXE5FFA</a><br>Description: IC MPU Q OR IQ 800MHZ 425TEBGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">P1014NSN5DFA</a><br>Description: IC MPU Q OR IQ 800MHZ 425TEBGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
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