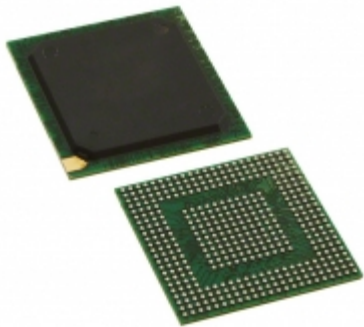


P1010NXN5KHA



Part Number: [P1010NXN5KHA](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MPU Q OR IQ 1.0GHZ 425TEBGA

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

RoHs Status: Lead free / RoHS Compliant

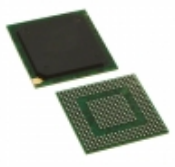
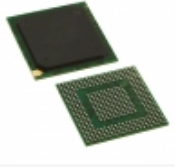
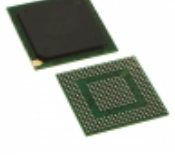
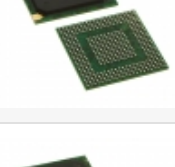
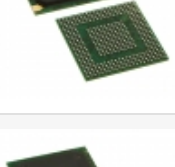
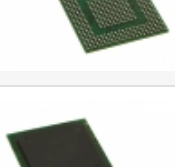
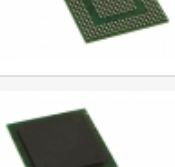
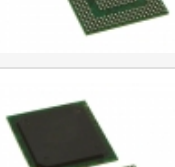
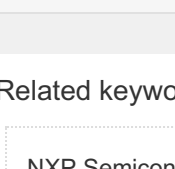
Ship From: Hong Kong

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

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See Product Specifications for product details.  
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                      |                                  |                                                                                                                                                                                                                                                                                                                                                                                 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | P1010NXN5KHA                                                                         | Manufacturer                     | <a href="#">NXP Semiconductors / Freescale</a>                                                                                                                                                                                                                                                                                                                                  |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | IC MPU Q OR IQ 1.0GHZ 425TEBGA                                                       | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                                                      |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 4950 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="#">P1010 Errata</a><br><a href="#">P1 Series (P1010/14) Brief</a><br><a href="#">P1010/P1014 RDB Fact Sheet</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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1.0GHz                                                                               | Series                           | QorIQ P1                                                                                                                                                                                                                                                                                                                                                                        |
| Security Features                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | -                                                                                    | SATA                             | SATA 3Gbps (2)                                                                                                                                                                                                                                                                                                                                                                  |
| RAM Controllers                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | DDR3, DDR3L                                                                          | Packaging                        | Tray                                                                                                                                                                                                                                                                                                                                                                            |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 425-FBGA                                                                             | Operating Temperature            | -40°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 (3)                                                                 | Display & Interface Controllers  | -                                                                                                                                                                                                                                                                                                                                                                               |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | PowerPC e500v2 Microprocessor IC QorIQ P1 1 Core, 32-Bit 1.0GHz 425-TEPBGA I (19x19) | Core Processor                   | PowerPC e500v2                                                                                                                                                                                                                                                                                                                                                                  |
| Co-Processors/DSP                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | -                                                                                    | Base Part Number                 | P1010                                                                                                                                                                                                                                                                                                                                                                           |
| Additional Interfaces                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | CAN, DUART, I <sup>2</sup> C, MMC/SD, SPI                                            |                                  |                                                                                                                                                                                                                                                                                                                                                                                 |
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| RELATED PRODUCTS                                                                   |                                                                                       |                                                               |                     |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------|---------------------|
|  | Part#: <a href="#">P1010PSN5HFA</a><br>Description: IC MPU Q OR IQ 1.0GHZ 425TEBGA1   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">P1010NXN5DFB</a><br>Description: IC MPU Q OR IQ 1.0GHZ 425TEBGA    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">P1010PSE5HFA</a><br>Description: IC MPU Q OR IQ 1.0GHZ 425TEBGA1   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">P1010PSE5DFA</a><br>Description: IC MPU Q OR IQ 1.0GHZ 425TEBGA1   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">P1010NXE5KHA</a><br>Description: IC MPU Q OR IQ 1.0GHZ 425TEBGA    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">P1010PSE5FFA</a><br>Description: IC MPU Q OR IQ 1.0GHZ 425TEBGA1   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">P1011-6</a><br>Description: RELAY SOCKET 8 POS CHASSIS MOUNT       | Manufacturers: <a href="#">Hamlin / Littelfuse</a>            | <a href="#">RFQ</a> |
|  | Part#: <a href="#">P1010NXN5HHA</a><br>Description: IC MPU Q OR IQ 1.0GHZ 425TEBGA    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">P1010NXN5HFB</a><br>Description: IC MPU Q OR IQ 1.0GHZ 425TEBGA    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">P1010NXN5FFA</a><br>Description: IC MPU Q OR IQ 1.0GHZ 425TEBGA    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">P101132CM03Q2</a><br>Description: SWITCH KEYLOCK 2POS SPDT 4A 125V | Manufacturers: <a href="#">C&amp;K</a>                        | <a href="#">RFQ</a> |
|  | Part#: <a href="#">P1010NXN5HFA</a><br>Description: IC MPU Q OR IQ 1.0GHZ 425TEBGA    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">P1010PSN5DFA</a><br>Description: IC MPU Q OR IQ 1.0GHZ 425TEBGA1   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">P1010NXN5FFB</a><br>Description: IC MPU Q OR IQ 1.0GHZ 425TEBGA    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">P1010NXE5KHB</a><br>Description: IC MPU Q OR IQ 1.0GHZ 425TEBGA    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">P101132CMWCG2</a><br>Description: SWITCH KEYLOCK 2POS SPDT 4A 125V | Manufacturers: <a href="#">C&amp;K</a>                        | <a href="#">RFQ</a> |
|  | Part#: <a href="#">P1010NXN5DFA</a><br>Description: IC MPU Q OR IQ 1.0GHZ 425TEBGA    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">P1010NXN5KHB</a><br>Description: IC MPU Q OR IQ 1.0GHZ 425TEBGA    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">P1010PSN5FFA</a><br>Description: IC MPU Q OR IQ 1.0GHZ 425TEBGA1   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">P1010NXN5HHB</a><br>Description: IC MPU Q OR IQ 1.0GHZ 425TEBGA    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |

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