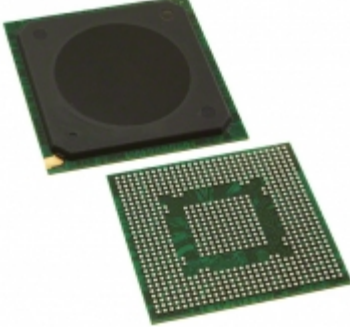


P1022NXE2LFB



Images are for reference only.  
See Product Specifications for product details.  
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Part Number: P1022NXE2LFB

Manufacturer: NXP Semiconductors / Freescale

Description: IC MPU Q OR IQ 1.055GHZ 689TBGA

Data sheet:

 SATA-A-006187 Errata

 SATA-A005255 Errata

 MPIC Double Interrupt Errata

 TBI Link Status Errata

 USB Errata

 P1013/P1022 Fact Sheet

RoHS Status: Lead free / RoHS Compliant

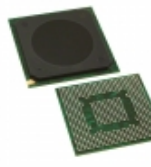
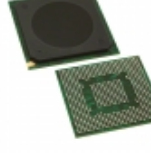
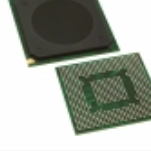
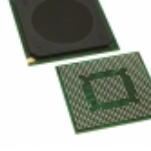
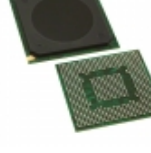
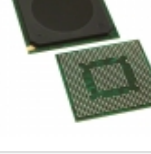
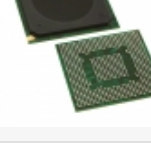
Ship From: Hong Kong

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

Request For Quotation

| PRODUCT PARAMETER                |                                           |                                |                                                                                                                                                                                                                                               |
|----------------------------------|-------------------------------------------|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                      | P1022NXE2LFB                              | Manufacturer                   | NXP Semiconductors / Freescale                                                                                                                                                                                                                |
| Description                      | IC MPU Q OR IQ 1.055GHZ 689TBGA           | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                                                                                                                                                                    |
| Quantity Available               | 860 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="#">P1013/P1022 Fact Sheet</a> |
| Category                         | <a href="#">Integrated Circuits (ICs)</a> | Voltage - I/O                  | -                                                                                                                                                                                                                                             |
| USB                              | USB 2.0 + PHY (2)                         | Supplier Device Package        | 689-TEPBGA II (31x31)                                                                                                                                                                                                                         |
| Speed                            | 1.055GHz                                  | Series                         | QorIQ P1                                                                                                                                                                                                                                      |
| Security Features                | Cryptography, Random Number Generator     | SATA                           | SATA 3Gbps (2)                                                                                                                                                                                                                                |
| RAM Controllers                  | DDR2, DDR3                                | Packaging                      | Tray                                                                                                                                                                                                                                          |
| Package / Case                   | 689-BBGA Exposed Pad                      | Other Names                    | 568-13562<br>935319638557<br>P1022NXE2LFB-ND                                                                                                                                                                                                  |
| Operating Temperature            | -40°C ~ 125°C (TA)                        | Number of Cores/Bus Width      | 2 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  | LCD                                       | Detailed Description           | PowerPC e500v2 Microprocessor IC QorIQ P1 2 Core, 32-Bit 1.055GHz 689-TEPBGA II (31x31)                                                                                                                                                       |
| Core Processor                   | PowerPC e500v2                            | Co-Processors/DSP              | Security; SEC                                                                                                                                                                                                                                 |
| Base Part Number                 | P1022                                     | Additional Interfaces          | DUART, I²C, I²S, MMC/SD, SPI                                                                                                                                                                                                                  |

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| RELATED PRODUCTS                                                                   |                                                                                     |                                                               |                |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------|----------------|
|  | Part#: <a href="#">P1022NXE2HFB</a><br>Description: IC MPU Q OR IQ 1.055GHZ 689TBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">P1023-6</a><br>Description: BRACKET .187 HOLE REV. F             | Manufacturers: <a href="#">Hamlin / Littelfuse</a>            | <div>RFQ</div> |
|  | Part#: <a href="#">P1022NSE2LHB</a><br>Description: IC MPU Q OR IQ 1.067GHZ 689TBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">P1022PSE2LFA</a><br>Description: IC MPU Q OR IQ 1.067GHZ 689TBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">P1022PSE2HFA</a><br>Description: IC MPU Q OR IQ 1.067GHZ 689TBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">P1023-2</a><br>Description: CBL CLAMP P-TYPE SILVER FASTENER     | Manufacturers: <a href="#">Hamlin / Littelfuse</a>            | <div>RFQ</div> |
|  | Part#: <a href="#">P1022NSE2MHB</a><br>Description: IC MPU Q OR IQ 1.055GHZ 689TBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">P1022PSN2LFA</a><br>Description: IC MPU Q OR IQ 1.067GHZ 689TBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">P1022NXN2HFB</a><br>Description: IC MPU Q OR IQ 1.055GHZ 689TBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">P1023-20</a><br>Description: TRACK FOR DIN RAIL                  | Manufacturers: <a href="#">Hamlin / Littelfuse</a>            | <div>RFQ</div> |
|  | Part#: <a href="#">P1022PSE2EBA</a><br>Description: IC MPU Q OR IQ 1.067GHZ 689TBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">P1022NSN2LFB</a><br>Description: IC MPU Q OR IQ 1.055GHZ 689TBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">P1022NSE2LFB</a><br>Description: IC MPU Q OR IQ 1.055GHZ 689TBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">P1022NXE2EFB</a><br>Description: IC MPU Q OR IQ 1.055GHZ 689TBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">P1022NSN2EFB</a><br>Description: IC MPU Q OR IQ 1.055GHZ 689TBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">P1022NSN2MHB</a><br>Description: IC MPU Q OR IQ 1.055GHZ 689TBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">P1022NSE2HFB</a><br>Description: IC MPU Q OR IQ 1.055GHZ 689TBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
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RoHS

