

P1011NSN2FFB



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**Part Number:** [P1011NSN2FFB](#)

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

**Description:** IC MPU Q OR IQ 800MHZ 689TEBGA

**Data sheet:**  [P1 Series Fact Sheet](#)  
 [MPIC Double Interrupt Errata](#)  
 [TBI Link Status Errata](#)  
 [USB Errata](#)

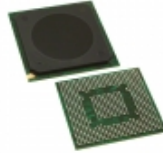
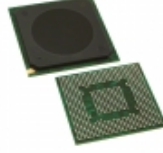
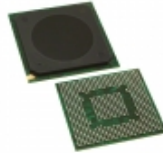
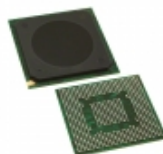
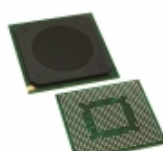
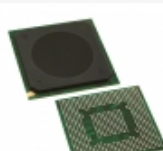
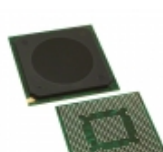
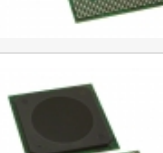
**RoHS Status:** Lead free / RoHS Compliant

**Ship From:** Hong Kong

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

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                           |                                |                                                                                                                                                              |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | P1011NSN2FFB                              | Manufacturer                   | <a href="#">NXP Semiconductors / Freescale</a>                                                                                                               |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | IC MPU Q OR IQ 800MHZ 689TEBGA            | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                                                                                   |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2181 pcs                                  | Data sheet                     | <a href="#">P1 Series Fact Sheet</a><br><a href="#">MPIC Double Interrupt Errata</a><br><a href="#">TBI Link Status Errata</a><br><a href="#">USB Errata</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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 800MHz                                    | Series                         | QorIQ P1                                                                                                                                                     |
| Security Features                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | -                                         | SATA                           | -                                                                                                                                                            |
| RAM Controllers                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | DDR2, DDR3                                | Packaging                      | Tray                                                                                                                                                         |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 689-BBGA Exposed Pad                      | Other Names                    | 935324369557                                                                                                                                                 |
| 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 800MHz 689-TEPBGA II (31x31)                                                                        |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | PowerPC e500v2                            | Co-Processors/DSP              | -                                                                                                                                                            |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | P1011                                     | Additional Interfaces          | DUART, I <sup>2</sup> C, MMC/SD, SPI                                                                                                                         |
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| RELATED PRODUCTS                                                                   |                                                                                        |                                                               |                     |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|---------------------------------------------------------------|---------------------|
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|  | 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="#">P1011U2WM03NQ2</a><br>Description: SWITCH KEY 2POS SPDT 4A 125V 4PC | Manufacturers: <a href="#">C&amp;K</a>                        | <a href="#">RFQ</a> |
|  | Part#: <a href="#">P1011NXN2HFB</a><br>Description: IC MPU Q OR IQ 800MHZ 689TEBGA     | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
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|  | Part#: <a href="#">P10113TCMWCQ22</a><br>Description: SWITCH KEYLOCK 2POS SPDT 4A 125V | Manufacturers: <a href="#">C&amp;K</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="#">P1011NXN2DFB</a><br>Description: IC MPU Q OR IQ 800MHZ 689TEBGA     | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">P1011U2CMWCG2</a><br>Description: SWITCH KEYLOCK 2POS SPDT 4A 125V  | Manufacturers: <a href="#">C&amp;K</a>                        | <a href="#">RFQ</a> |
|  | Part#: <a href="#">P101133WM03NQ2</a><br>Description: SWITCH KEYLOCK 2POS SPDT 4A 125V | Manufacturers: <a href="#">C&amp;K</a>                        | <a href="#">RFQ</a> |
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|  | Part#: <a href="#">P1011PSN2HFB</a><br>Description: IC MPU Q OR IQ 800MHZ 689TEBGA     | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |

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