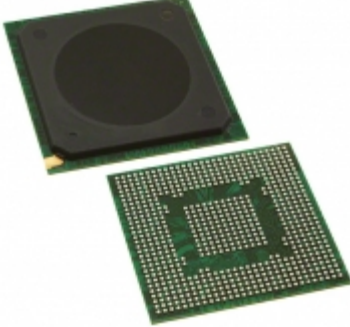


P2020NSE2KHC



Images are for reference only.  
See Product Specifications for product details.  
**Buy P2020NSE2KHC with confidence from Component-World.HK, 1 Year Warranty**



**Part Number:** [P2020NSE2KHC](#)

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

**Description:** IC MPU Q OR IQ 1.2GHZ 689TEBGA

**Data sheet:**  [eSDHC Data Timeout Errata](#)  
 [P2010/20 Fact Sheet](#)  
 [MPIC Double Interrupt Errata](#)  
 [TBI Link Status Errata](#)

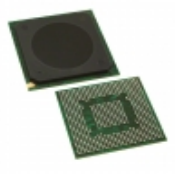
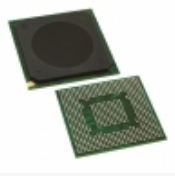
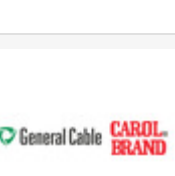
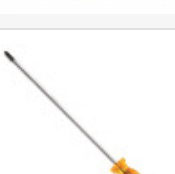
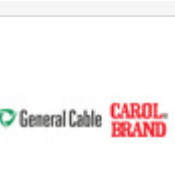
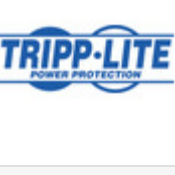
**RoHs Status:** Lead free / RoHS Compliant

**Ship From:** Hong Kong

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

Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                           |                                |                                                                                                                                                                            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | P2020NSE2KHC                              | Manufacturer                   | <a href="#">NXP Semiconductors / Freescale</a>                                                                                                                             |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | IC MPU Q OR IQ 1.2GHZ 689TEBGA            | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                                                                                                 |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1020 pcs                                  | Data sheet                     | <a href="#">eSDHC Data Timeout Errata</a><br><a href="#">P2010/20 Fact Sheet</a><br><a href="#">MPIC Double Interrupt Errata</a><br><a href="#">TBI Link Status 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1.2GHz                                    | Series                         | QorIQ P2                                                                                                                                                                   |
| Security Features                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Cryptography, Random Number Generator     | SATA                           | -                                                                                                                                                                          |
| RAM Controllers                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | DDR2, DDR3                                | Packaging                      | Tray                                                                                                                                                                       |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 689-BBGA Exposed Pad                      | Other Names                    | 568-13969<br>935323099557<br>P2020NSE2KHC-ND                                                                                                                               |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0°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 (3)                                                                                                                                                       |
| Display & Interface Controllers                                                                                                                                                                                                                                                                                                                                                                                                                                                       | -                                         | Detailed Description           | PowerPC e500v2 Microprocessor IC QorIQ P2 2 Core, 32-Bit 1.2GHz 689-TEPBGA II (31x31)                                                                                      |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | PowerPC e500v2                            | Co-Processors/DSP              | Security; SEC 3.3                                                                                                                                                          |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | P2020                                     | Additional Interfaces          | DUART, I <sup>2</sup> C, MMC/SD, SPI                                                                                                                                       |
| Component-World.com is a Reliable Stocking Distributor of Electronic Components. We specialize in all NXP Semiconductors / Freescale series electronic components. We have 1020 pieces of NXP Semiconductors / Freescale P2020NSE2KHC in stock available now. Request a quote from electronics components distributor at Component-World.com, our sales team will contact you within 24 hours.<br>RFQ Email: <a href="mailto:info@Components-World.com">info@Components-World.com</a> |                                           |                                |                                                                                                                                                                            |

| RELATED PRODUCTS                                                                   |                                                                                    |                                                               |                |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|---------------------------------------------------------------|----------------|
|  | Part#: <a href="#">P2020NSN2KFC</a><br>Description: IC MPU Q OR IQ 1.2GHZ 689TEBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">P2020NSE2KFC</a><br>Description: IC MPU Q OR IQ 1.2GHZ 689TEBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">P2020DS-PA</a><br>Description: BOARD DEV ATX HIGH PERFORMANCE   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">P201V595.E2.86</a><br>Description: HOOK-UP SOLID 20AWG NATURAL  | Manufacturers: <a href="#">General Cable</a>                  | <div>RFQ</div> |
|  | Part#: <a href="#">P2020NSE2HFC</a><br>Description: IC MPU Q OR IQ 1.2GHZ 689TEBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">P2020NSE2MFC</a><br>Description: IC MPU Q OR IQ 1.2GHZ 689TEBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">P202</a><br>Description: SCREWDRIVER PHILLIPS #2 24.50"         | Manufacturers: <a href="#">Klein Tools</a>                    | <div>RFQ</div> |
|  | Part#: <a href="#">P2020NSN2HHC</a><br>Description: IC MPU Q OR IQ 1.2GHZ 689TEBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">P2020NSE2HHC</a><br>Description: IC MPU Q OR IQ 1.2GHZ 689TEBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">P2020NSN2HFC</a><br>Description: IC MPU Q OR IQ 1.2GHZ 689TEBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">P2020COME-DS-PB</a><br>Description: BOARD EVALUATION P2020      | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">P2020NSN2KHC</a><br>Description: IC MPU Q OR IQ 1.2GHZ 689TEBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">P2020NSN2MFC</a><br>Description: IC MPU Q OR IQ 1.2GHZ 689TEBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">P2020NSN2NHC</a><br>Description: IC MPU Q OR IQ 1.2GHZ 689TEBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">P201V595.E3.86</a><br>Description: HOOK-UP SOLID 20AWG NATURAL  | Manufacturers: <a href="#">General Cable</a>                  | <div>RFQ</div> |
|  | Part#: <a href="#">P2020NSN2MHC</a><br>Description: IC MPU Q OR IQ 1.2GHZ 689TEBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">P2020DS-PB</a><br>Description: BOARD EVALUATION FOR P2020       | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">P2020NSE2NHC</a><br>Description: IC MPU Q OR IQ 1.2GHZ 689TEBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">P202-006</a><br>Description: CABLE EXTENSION DIN5M DIN5F 6'     | Manufacturers: <a href="#">Tripp Lite</a>                     | <div>RFQ</div> |
|  | Part#: <a href="#">P2020NSE2MHC</a><br>Description: IC MPU Q OR IQ 1.2GHZ 689TEBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |

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