



NXP Semiconductors / Freescale

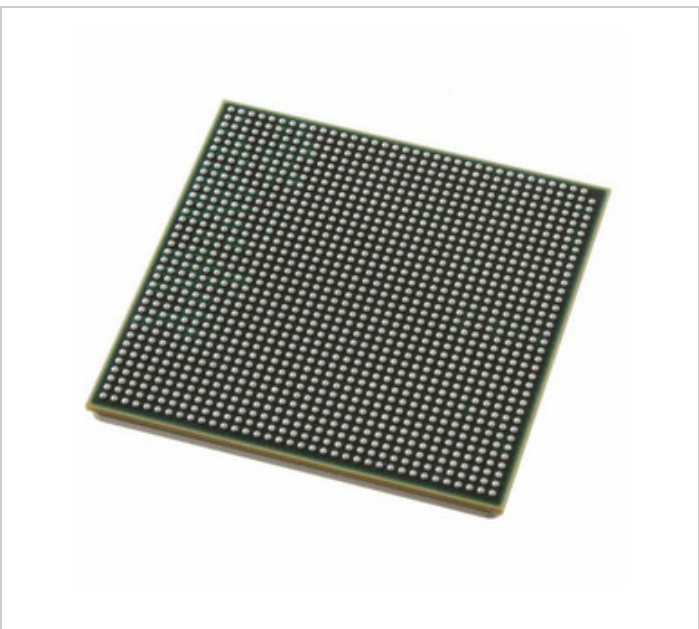


Image may be representation. See specifications for product details.

P5020NSE1MMB

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | P5020NSE1MMB                                                                                                 |
| Manufacturer/Brand: | NXP Semiconductors / Freescale                                                                               |
| Product description | IC MPU Q OR IQ 2.0GHZ 1295FCBGA                                                                              |
|                     | <a href="#">1.P5020NSE1MMB.pdf</a>                                                                           |
|                     | <a href="#">2.P5020NSE1MMB.pdf</a>                                                                           |
|                     | <a href="#">3.P5020NSE1MMB.pdf</a>                                                                           |
|                     | <a href="#">4.P5020NSE1MMB.pdf</a>                                                                           |
|                     | <a href="#">5.P5020NSE1MMB.pdf</a>                                                                           |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

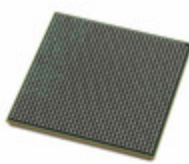
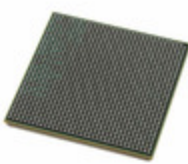
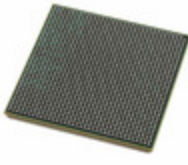
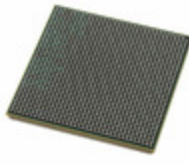
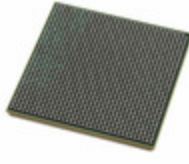
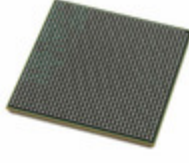
Specifications of P5020NSE1MMB

|                                  |                                                                                                                                                                                            |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | P5020NSE1MMB                                                                                                                                                                               |
| MANUFACTURER                     | NXP Semiconductors / Freescale                                                                                                                                                             |
| DESCRIPTION                      | IC MPU Q OR IQ 2.0GHZ 1295FCBGA                                                                                                                                                            |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                 |
| DATA SHEET                       | <a href="#">1.P5020NSE1MMB.pdf</a><br><a href="#">2.P5020NSE1MMB.pdf</a><br><a href="#">3.P5020NSE1MMB.pdf</a><br><a href="#">4.P5020NSE1MMB.pdf</a><br><a href="#">5.P5020NSE1MMB.pdf</a> |
| VOLTAGE - I/O                    | -                                                                                                                                                                                          |
| USB                              | USB 2.0 + PHY (2)                                                                                                                                                                          |
| SUPPLIER DEVICE PACKAGE          | 1295-FCPBGA (37.5x37.5)                                                                                                                                                                    |
| SPEED                            | 2.0GHz                                                                                                                                                                                     |
| SERIES                           | QorIQ P5                                                                                                                                                                                   |
| SECURITY FEATURES                | Boot Security, Cryptography, Secure Fusebox, Secure JTAG, Secure Memory, Tamper Detection                                                                                                  |
| SATA                             | SATA 3Gbps (2)                                                                                                                                                                             |
| RAM CONTROLLERS                  | DDR3, DDR3L                                                                                                                                                                                |
| PACKAGING                        | Tray                                                                                                                                                                                       |
| PACKAGE / CASE                   | 1295-BBGA, FCBGA                                                                                                                                                                           |
| OPERATING TEMPERATURE            | 0°C ~ 105°C (TA)                                                                                                                                                                           |
| NUMBER OF CORES/BUS WIDTH        | 2 Core, 64-Bit                                                                                                                                                                             |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                                                                              |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                 |
| GRAPHICS ACCELERATION            | No                                                                                                                                                                                         |
| ETHERNET                         | 1 Gbps (5), 10 Gbps (1)                                                                                                                                                                    |
| DISPLAY & INTERFACE CONTROLLERS  | -                                                                                                                                                                                          |
| DETAILED DESCRIPTION             | PowerPC e5500 Microprocessor IC QorIQ P5 2 Core, 64-Bit 2.0GHz 1295-FCPBGA (37.5x37.5)                                                                                                     |
| CORE PROCESSOR                   | PowerPC e5500                                                                                                                                                                              |
| CO-PROCESSORS/DSP                | Security; SEC 4.2                                                                                                                                                                          |
| BASE PART NUMBER                 | P5020                                                                                                                                                                                      |
| ADDITIONAL INTERFACES            | DUART, I <sup>2</sup> C, MMC/SD, SPI                                                                                                                                                       |

Related Tags

|                                             |                                         |                                                 |
|---------------------------------------------|-----------------------------------------|-------------------------------------------------|
| NXP Semiconductors / Freescale P5020NSE1MMB | P5020NSE1MMB Distributor                | P5020NSE1MMB Supplier                           |
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| Freescale Semiconductor - NXP P5020NSE1MMB  | NXP USA Inc. P5020NSE1MMB               |                                                 |

Related Products

|                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><b>P5020NSE7MMB</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU Q OR IQ 2.0GHZ 1295FCBGA<br/>In stock: Out stock<br/><a href="#">RFQ</a></div> |  <div><b>P5020NSE1VNB</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU Q OR IQ 2.0GHZ 1295FCBGA<br/>In stock: Out stock<br/><a href="#">RFQ</a></div> |
|  <div><b>P502-075</b><br/>Manufacturers: Tripp Lite<br/>Description: CABLE WITH RGB COAX HD15 M/M 75'<br/>In stock: 3 pcs<br/><a href="#">RFQ</a></div>                            |  <div><b>P5020NSE1QMB</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU Q OR IQ 2.0GHZ 1295FCBGA<br/>In stock: Out stock<br/><a href="#">RFQ</a></div> |
|  <div><b>P502-100</b><br/>Manufacturers: Tripp Lite<br/>Description: CABLE RGB COAX HD15 M M 100'<br/>In stock: Out stock<br/><a href="#">RFQ</a></div>                            |  <div><b>P502-050-SM</b><br/>Manufacturers: Tripp Lite<br/>Description: CBL RGB COAX<br/>In stock: Out stock<br/><a href="#">RFQ</a></div>                                         |
|  <div><b>P5020NSE1TNB</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU Q OR IQ 2.0GHZ 1295FCBGA<br/>In stock: Out stock<br/><a href="#">RFQ</a></div> |  <div><b>P5020DS-PB</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: BOARD DEV PLATFORM P5020<br/>In stock: Out stock<br/><a href="#">RFQ</a></div>          |
|  <div><b>P5020NSE7QMB</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU Q OR IQ 2.0GHZ 1295FCBGA<br/>In stock: Out stock<br/><a href="#">RFQ</a></div> |  <div><b>P5020-RDB</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: BOARD REFERENCE DESIGN P5020<br/>In stock: Out stock<br/><a href="#">RFQ</a></div>       |
|  <div><b>P5020NSE7TNB</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU Q OR IQ 2.0GHZ 1295FCBGA<br/>In stock: Out stock<br/><a href="#">RFQ</a></div> |  <div><b>P5020DS-PA</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: BOARD REFERENCE DESIGN P5020<br/>In stock: Out stock<br/><a href="#">RFQ</a></div>      |