

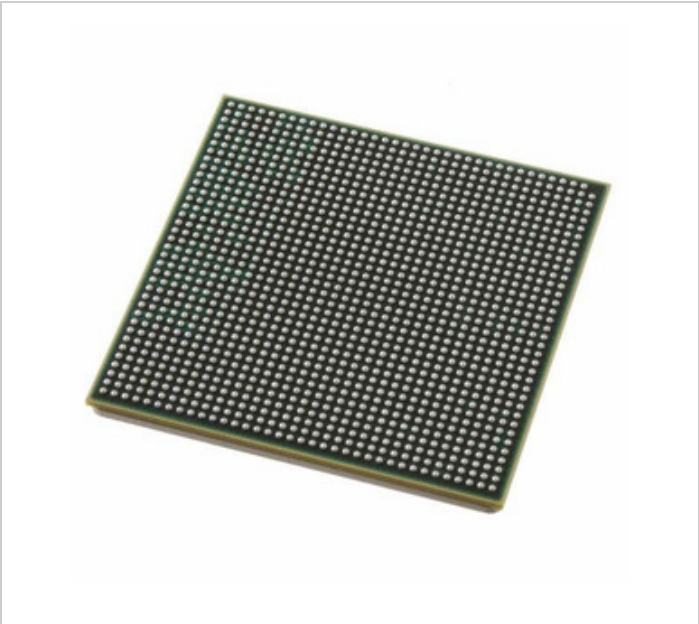


Image may be representation. See specifications for product details.

P5010NSE1VNB

|                     |                                                                                                                  |
|---------------------|------------------------------------------------------------------------------------------------------------------|
| Part Number:        | P5010NSE1VNB                                                                                                     |
| Manufacturer/Brand: | NXP Semiconductors / Freescale                                                                                   |
| Product description | IC MPU Q OR IQ 2.0GHZ 1295FCBGA                                                                                  |
| Datasheets:         |  1.P5010NSE1VNB.pdf             |
|                     |  2.P5010NSE1VNB.pdf             |
|                     |  3.P5010NSE1VNB.pdf             |
| RoHs Status         |  Contains lead / RoHS Compliant |
| Ship From           | Hong Kong                                                                                                        |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                            |

REQUEST FOR QUOTATION

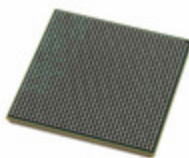
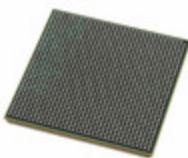
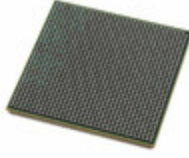
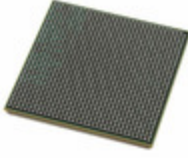
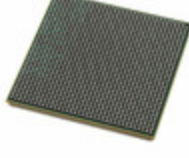
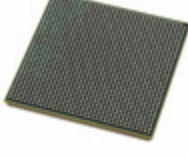
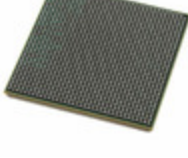
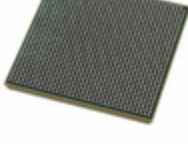
Specifications of P5010NSE1VNB

|                                  |                                                                                                                                                                                                                                                                                                                            |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | P5010NSE1VNB                                                                                                                                                                                                                                                                                                               |
| MANUFACTURER                     | NXP Semiconductors / Freescale                                                                                                                                                                                                                                                                                             |
| DESCRIPTION                      | IC MPU Q OR IQ 2.0GHZ 1295FCBGA                                                                                                                                                                                                                                                                                            |
| LEAD FREE STATUS / ROHS STATUS   | Contains lead / RoHS Compliant                                                                                                                                                                                                                                                                                             |
| DATA SHEET                       |  1.P5010NSE1VNB.pdf<br> 2.P5010NSE1VNB.pdf<br> 3.P5010NSE1VNB.pdf |
| VOLTAGE - I/O                    | -                                                                                                                                                                                                                                                                                                                          |
| USB                              | USB 2.0 + PHY (2)                                                                                                                                                                                                                                                                                                          |
| SUPPLIER DEVICE PACKAGE          | 1295-FCBGA (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        | 1 Core, 64-Bit                                                                                                                                                                                                                                                                                                             |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                                                                                                                                                                                                              |
| LEAD FREE STATUS / ROHS STATUS   | Contains lead / RoHS Compliant                                                                                                                                                                                                                                                                                             |
| GRAPHICS ACCELERATION            | No                                                                                                                                                                                                                                                                                                                         |
| ETHERNET                         | 1 Gbps (5), 10 Gbps (1)                                                                                                                                                                                                                                                                                                    |
| DISPLAY & INTERFACE CONTROLLERS  | -                                                                                                                                                                                                                                                                                                                          |
| DETAILED DESCRIPTION             | PowerPC e5500 Microprocessor IC QorIQ P5 1 Core, 64-Bit 2.0GHz 1295-FCPBGA (37.5x37.5)                                                                                                                                                                                                                                     |
| CORE PROCESSOR                   | PowerPC e5500                                                                                                                                                                                                                                                                                                              |
| CO-PROCESSORS/DSP                | Security; SEC 4.2                                                                                                                                                                                                                                                                                                          |
| BASE PART NUMBER                 | P5010                                                                                                                                                                                                                                                                                                                      |
| ADDITIONAL INTERFACES            | DUART, I <sup>2</sup> C, MMC/SD, SPI                                                                                                                                                                                                                                                                                       |

Related Tags

|                                             |                                         |                                                 |
|---------------------------------------------|-----------------------------------------|-------------------------------------------------|
| NXP Semiconductors / Freescale P5010NSE1VNB | P5010NSE1VNB Distributor                | P5010NSE1VNB Supplier                           |
| P5010NSE1VNB Price                          | P5010NSE1VNB Pictures                   | P5010NSE1VNB Image                              |
| P5010NSE1VNB PDF Datasheet                  | P5010NSE1VNB Download Datasheet         | P5010NSE1VNB Datasheet                          |
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| NXP Semiconductors / Freescale P5010NSE1VNB | NXP Semiconductors P5010NSE1VNB         | Freescale P5010NSE1VNB                          |
| Freescale Semiconductor - NXP P5010NSE1VNB  | NXP USA Inc. P5010NSE1VNB               |                                                 |

Related Products

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|  <div><b>P5010NSN1QMB</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU Q OR IQ 2.0GHZ 1295FCBGA<br/>In stock: Out stock<br/><div>RFQ</div></div> |  <div><b>P5010NSE7TNB</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU Q OR IQ 2.0GHZ 1295FCBGA<br/>In stock: Out stock<br/><div>RFQ</div></div> |
|  <div><b>P5010NSE7VNB</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU Q OR IQ 2.0GHZ 1295FCBGA<br/>In stock: Out stock<br/><div>RFQ</div></div> |  <div><b>P5010NSE1TNB</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU Q OR IQ 2.0GHZ 1295FCBGA<br/>In stock: Out stock<br/><div>RFQ</div></div> |
|  <div><b>P5010NSE7QMB</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU Q OR IQ 2.0GHZ 1295FCBGA<br/>In stock: Out stock<br/><div>RFQ</div></div> |  <div><b>P5010NSE1MMB</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU Q OR IQ 2.0GHZ 1295FCBGA<br/>In stock: Out stock<br/><div>RFQ</div></div> |
|  <div><b>P5010D090S401H</b><br/>Manufacturers: Agastat Relays / TE Connectivity<br/>Description: THERMISTOR PTC 40 OHM COIN<br/>In stock: Out stock<br/><div>RFQ</div></div>  |  <div><b>P5010NSE1QMB</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU Q OR IQ 2.0GHZ 1295FCBGA<br/>In stock: Out stock<br/><div>RFQ</div></div> |
|  <div><b>P5010D050S401H</b><br/>Manufacturers: Agastat Relays / TE Connectivity<br/>Description: THERMISTOR PTC 40 OHM COIN<br/>In stock: Out stock<br/><div>RFQ</div></div>  |  <div><b>P5010NSN1MMB</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU Q OR IQ 2.0GHZ 1295FCBGA<br/>In stock: Out stock<br/><div>RFQ</div></div> |
|  <div><b>P5010D135S401H</b><br/>Manufacturers: Agastat Relays / TE Connectivity<br/>Description: THERMISTOR PTC 40 OHM COIN<br/>In stock: Out stock<br/><div>RFQ</div></div>  |  <div><b>P5010NSE7MMB</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU Q OR IQ 2.0GHZ 1295FCBGA<br/>In stock: Out stock<br/><div>RFQ</div></div> |