



NXP Semiconductors / Freescale

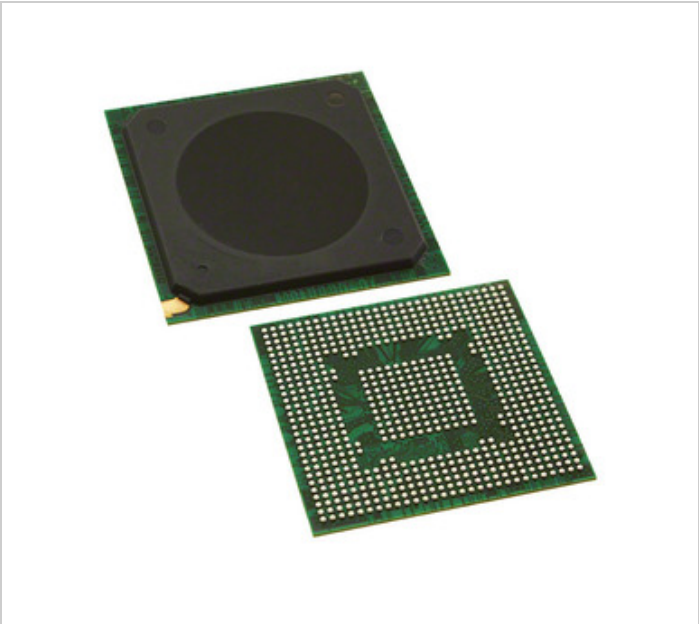


Image may be representation. See specifications for product details.

P1022PSE2EBA

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | P1022PSE2EBA                                                                                                 |
| Manufacturer/Brand: | NXP Semiconductors / Freescale                                                                               |
| Product description | IC MPU Q OR IQ 1.067GHZ 689TBGA                                                                              |
| Datasheets:         |  1.P1022PSE2EBA.pdf         |
|                     |  2.P1022PSE2EBA.pdf         |
|                     |  3.P1022PSE2EBA.pdf         |
| RoHs Status         |  Lead free / RoHS Compliant |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

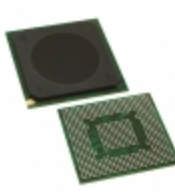
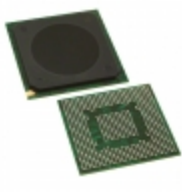
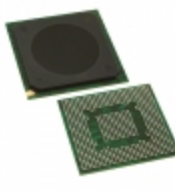
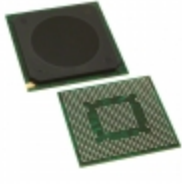
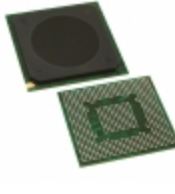
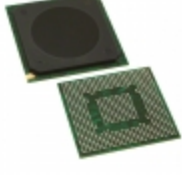
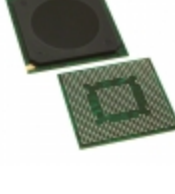
Specifications of P1022PSE2EBA

|                                  |                                                                                                                                                                                                                                                                                                                            |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | P1022PSE2EBA                                                                                                                                                                                                                                                                                                               |
| MANUFACTURER                     | NXP Semiconductors / Freescale                                                                                                                                                                                                                                                                                             |
| DESCRIPTION                      | IC MPU Q OR IQ 1.067GHZ 689TBGA                                                                                                                                                                                                                                                                                            |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                 |
| DATA SHEET                       |  1.P1022PSE2EBA.pdf<br> 2.P1022PSE2EBA.pdf<br> 3.P1022PSE2EBA.pdf |
| VOLTAGE - I/O                    | -                                                                                                                                                                                                                                                                                                                          |
| USB                              | USB 2.0 + PHY (2)                                                                                                                                                                                                                                                                                                          |
| SUPPLIER DEVICE PACKAGE          | 689-TEPBGA II (31x31)                                                                                                                                                                                                                                                                                                      |
| SPEED                            | 1.067GHz                                                                                                                                                                                                                                                                                                                   |
| SERIES                           | QorIQ P1                                                                                                                                                                                                                                                                                                                   |
| SECURITY FEATURES                | Cryptography, Random Number Generator                                                                                                                                                                                                                                                                                      |
| SATA                             | SATA 3Gbps (2)                                                                                                                                                                                                                                                                                                             |
| RAM CONTROLLERS                  | DDR2, DDR3                                                                                                                                                                                                                                                                                                                 |
| PACKAGING                        | Bulk                                                                                                                                                                                                                                                                                                                       |
| PACKAGE / CASE                   | 689-BBGA Exposed Pad                                                                                                                                                                                                                                                                                                       |
| OPERATING TEMPERATURE            | 0°C ~ 105°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 1.067GHz 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                                                                                                                                                                                                                                                                                               |

Related Tags

|                                             |                                         |                                                 |
|---------------------------------------------|-----------------------------------------|-------------------------------------------------|
| NXP Semiconductors / Freescale P1022PSE2EBA | P1022PSE2EBA Distributor                | P1022PSE2EBA Supplier                           |
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| Freescale Semiconductor - NXP P1022PSE2EBA  | NXP USA Inc. P1022PSE2EBA               |                                                 |

Related Products

|                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                  |
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|  <div><b>P1023-2</b><br/>Manufacturers: Hamlin / Littelfuse<br/>Description: CBL CLAMP P-TYPE SILVER FASTENER<br/>In stock: 10 pcs<br/><div>RFQ</div></div>                   |  <div><b>P1022NXE2LFB</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU Q OR IQ 1.055GHZ 689TBGA<br/>In stock: 26 pcs<br/><div>RFQ</div></div>    |
|  <div><b>P1022NXN2LFB</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU Q OR IQ 1.067GHZ 689TBGA<br/>In stock: 195 pcs<br/><div>RFQ</div></div>   |  <div><b>P1022PSN2LFA</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU Q OR IQ 1.067GHZ 689TBGA<br/>In stock: Out stock<br/><div>RFQ</div></div> |
|  <div><b>P1022PSE2LFA</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU Q OR IQ 1.067GHZ 689TBGA<br/>In stock: Out stock<br/><div>RFQ</div></div> |  <div><b>P1022NXE2HFB</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU Q OR IQ 1.055GHZ 689TBGA<br/>In stock: Out stock<br/><div>RFQ</div></div> |
|  <div><b>P1022NXN2EFB</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU Q OR IQ 1.055GHZ 689TBGA<br/>In stock: Out stock<br/><div>RFQ</div></div> |  <div><b>P1022PSE2HFA</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU Q OR IQ 1.067GHZ 689TBGA<br/>In stock: Out stock<br/><div>RFQ</div></div> |
|  <div><b>P1022NXN2HFB</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU Q OR IQ 1.055GHZ 689TBGA<br/>In stock: Out stock<br/><div>RFQ</div></div> |  <div><b>P1022NXE2EFB</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU Q OR IQ 1.055GHZ 689TBGA<br/>In stock: Out stock<br/><div>RFQ</div></div> |
|  <div><b>P1023-6</b><br/>Manufacturers: Hamlin / Littelfuse<br/>Description: BRACKET .187 HOLE REV. F<br/>In stock: Out stock<br/><div>RFQ</div></div>                        |  <div><b>P1023-20</b><br/>Manufacturers: Hamlin / Littelfuse<br/>Description: TRACK FOR DIN RAIL<br/>In stock: Out stock<br/><div>RFQ</div></div>                             |

