

P2040NSN1HLB



**Part Number:** [P2040NSN1HLB](#)

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

**Description:** IC MPU Q OR IQ 800MHZ 780FCBGA

**Data sheet:**  [P2040,1,3041,4080,5020,40 Errata](#)  
 [MPIC Double Interrupt Errata](#)  
 [P2040 Datasheet](#)  
 [P2040/41, P3/P5 Series Brief](#)  
 [P2040,P2041 Fact Sheet](#)  
 [P2040 QorIQ Product Brief](#)

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

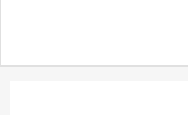
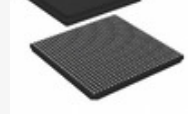
**Ship From:** Hong Kong

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

Images are for reference only.  
See Product Specifications for product details.  
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                    |                                  |                                                                                                                                                                                                                                                                            |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                            | P2040NSN1HLB                                                                       | Manufacturer                     | <a href="#">NXP Semiconductors / Freescale</a>                                                                                                                                                                                                                             |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                            | IC MPU Q OR IQ 800MHZ 780FCBGA                                                     | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                 |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                     | 5887 pcs                                                                           | Data sheet                       | <a href="#">P2040,1,3041,4080,5020,40 Errata</a><br><a href="#">MPIC Double Interrupt Errata</a><br><a href="#">P2040 Datasheet</a><br><a href="#">P2040/41, P3/P5 Series Brief</a><br><a href="#">P2040,P2041 Fact Sheet</a><br><a href="#">P2040 QorIQ Product Brief</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                               | <a href="#">Integrated Circuits (ICs)</a>                                          | Voltage - I/O                    | 1.0V, 1.35V, 1.5V, 1.8V, 2.5V, 3.3V                                                                                                                                                                                                                                        |
| USB                                                                                                                                                                                                                                                                                                                                                                                                                                    | USB 2.0 + PHY (2)                                                                  | Supplier Device Package          | 780-FCPBGA (23x23)                                                                                                                                                                                                                                                         |
| Speed                                                                                                                                                                                                                                                                                                                                                                                                                                  | 800MHz                                                                             | Series                           | QorIQ P2                                                                                                                                                                                                                                                                   |
| Security Features                                                                                                                                                                                                                                                                                                                                                                                                                      | -                                                                                  | SATA                             | SATA 3Gbps (2)                                                                                                                                                                                                                                                             |
| RAM Controllers                                                                                                                                                                                                                                                                                                                                                                                                                        | DDR3, DDR3L                                                                        | Packaging                        | Tray                                                                                                                                                                                                                                                                       |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                         | -                                                                                  | Operating Temperature            | 0°C ~ 105°C (TA)                                                                                                                                                                                                                                                           |
| Number of Cores/Bus Width                                                                                                                                                                                                                                                                                                                                                                                                              | 4 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 (5)                                                               | Display & Interface Controllers  | -                                                                                                                                                                                                                                                                          |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                   | PowerPC e500mc Microprocessor IC QorIQ P2 4 Core, 32-Bit 800MHz 780-FCPBGA (23x23) | Core Processor                   | PowerPC e500mc                                                                                                                                                                                                                                                             |
| Co-Processors/DSP                                                                                                                                                                                                                                                                                                                                                                                                                      | -                                                                                  | Base Part Number                 | P2040                                                                                                                                                                                                                                                                      |
| Additional Interfaces                                                                                                                                                                                                                                                                                                                                                                                                                  | DUART, I <sup>2</sup> C, MMC/SD, RapidIO, SPI                                      |                                  |                                                                                                                                                                                                                                                                            |
| Component-World.com is a Reliable Stocking Distributor of Electronic Components. We specialize in all NXP Semiconductors / Freescale series electronic components. We have 5887 pieces of NXP Semiconductors / Freescale P2040NSN1HLB 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: info@Components-World.com |                                                                                    |                                  |                                                                                                                                                                                                                                                                            |

| RELATED PRODUCTS                                                                   |                                                                                    |                                                               |                |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|---------------------------------------------------------------|----------------|
|  | Part#: <a href="#">P2040NSE1FLB</a><br>Description: IC MPU Q OR IQ 667MHZ 780FCBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">P2040NXE7MMC</a><br>Description: IC MPU Q OR IQ 1.2GHZ 780FCBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">P2040NSN1MMB</a><br>Description: IC MPU Q OR IQ 1.2GHZ 780FCBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">P2040NXE1FLB</a><br>Description: IC MPU Q OR IQ 667MHZ 780FCBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">P2040NSE1MMB</a><br>Description: IC MPU Q OR IQ 1.2GHZ 780FCBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">P2040NSN7MMC</a><br>Description: IC MPU Q OR IQ 1.2GHZ 780FCBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">P2035CMEN</a><br>Description: TAPE,3/4"X16'(19MMX5M),CHROME     | Manufacturers: <a href="#">Apex Tool Group</a>                | <div>RFQ</div> |
|  | Part#: <a href="#">P2040NSE7MMC</a><br>Description: IC MPU Q OR IQ 1.2GHZ 780FCBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">P2035CMN</a><br>Description: TAPE,19MMX5M,CHROME                | Manufacturers: <a href="#">Apex Tool Group</a>                | <div>RFQ</div> |
|  | Part#: <a href="#">P2040NXN1FLB</a><br>Description: IC MPU Q OR IQ 667MHZ 780FCBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">P2040NSE1HLB</a><br>Description: IC MPU Q OR IQ 800MHZ 780FCBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">P2040NSN7KLC</a><br>Description: IC MPU Q OR IQ 1.0GHZ 780FCBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">P2040NSN7FLC</a><br>Description: IC MPU Q OR IQ 667MHZ 780FCBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">P2040NSN1FLB</a><br>Description: IC MPU Q OR IQ 667MHZ 780FCBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">P2040NXE1MMB</a><br>Description: IC MPU Q OR IQ 1.2GHZ 780FCBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">P2040NSE1KLB</a><br>Description: IC MPU Q OR IQ 1.0GHZ 780FCBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">P2034CMEN</a><br>Description: TAPE,3/4"X13'(19MMX4M),CHROME     | Manufacturers: <a href="#">Apex Tool Group</a>                | <div>RFQ</div> |
|  | Part#: <a href="#">P2040NSE7HLC</a><br>Description: IC MPU Q OR IQ 1.2GHZ 780FCBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">P2040NSN1KLB</a><br>Description: IC MPU Q OR IQ 1.0GHZ 780FCBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">P2040NSN7HLC</a><br>Description: IC MPU Q OR IQ 800MHZ 780FCBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |

Related keywords for P2040NSN1HLB

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