

P2040NXE1FLB



Part Number: [P2040NXE1FLB](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MPU Q OR IQ 667MHZ 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

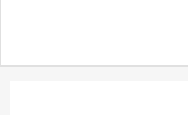
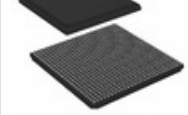
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See Product Specifications for product details.  
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                    |                                  |                                                                                                                                                                                                                                                                            |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                            | P2040NXE1FLB                                                                       | Manufacturer                     | <a href="#">NXP Semiconductors / Freescale</a>                                                                                                                                                                                                                             |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                            | IC MPU Q OR IQ 667MHZ 780FCBGA                                                     | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                 |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                     | 6010 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                                                                                                                                                                                                                                                                                                                                                                                                                                  | 667MHz                                                                             | Series                           | QorIQ P2                                                                                                                                                                                                                                                                   |
| Security Features                                                                                                                                                                                                                                                                                                                                                                                                                      | Boot Security, Cryptography, Random Number Generator, Secure Fusebox               | SATA                             | SATA 3Gbps (2)                                                                                                                                                                                                                                                             |
| RAM Controllers                                                                                                                                                                                                                                                                                                                                                                                                                        | DDR3, DDR3L                                                                        | Packaging                        | Tray                                                                                                                                                                                                                                                                       |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                         | -                                                                                  | Operating Temperature            | -40°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 667MHz 780-FCPBGA (23x23) | Core Processor                   | PowerPC e500mc                                                                                                                                                                                                                                                             |
| Co-Processors/DSP                                                                                                                                                                                                                                                                                                                                                                                                                      | Security; SEC 4.2                                                                  | Base Part Number                 | P2040                                                                                                                                                                                                                                                                      |
| Additional Interfaces                                                                                                                                                                                                                                                                                                                                                                                                                  | DUART, I <sup>2</sup> C, MMC/SD, RapidIO, SPI                                      |                                  |                                                                                                                                                                                                                                                                            |
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| RELATED PRODUCTS                                                                   |                                                                                    |                                                               |                |
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|  | 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> |
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Related keywords for P2040NXE1FLB

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