



Image may be representation.  
See specifications for product details.

### P5010NXE1TNB

Part Number: **P5010NXE1TNB**  
 Product Description: IC MPU Q OR IQ 2.0GHZ 1295FCBGA  
 RoHS Status: Contains lead / RoHS Compliant  
 Datasheets: [1.P5010NXE1TNB.pdf](#) [2.P5010NXE1TNB.pdf](#) [3.P5010NXE1TNB.pdf](#)

Manufacturer/Brand: NXP Semiconductors / Freescale  
 Ship From: Hong Kong  
 Shipment Way: DHL/Fedex/TNT/UPS/EMS

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#### Product details

<b>Part Number</b>	P5010NXE1TNB	<b>Manufacturer</b>	NXP Semiconductors / Freescale
<b>Description</b>	IC MPU Q OR IQ 2.0GHZ 1295FCBGA	<b>Lead Free Status / RoHS Status</b>	Contains lead / RoHS Compliant
<b>Data sheet</b>	1.P5010NXE1TNB.pdf2.P5010NXE1TNB.pdf3.P5010NXE1TNB.pdf		
<b>Voltage - I/O</b>	-	<b>USB</b>	USB 2.0 + PHY (2)
<b>Supplier Device Package</b>	1295-FCBGA (37.5x37.5)	<b>Speed</b>	2.0GHz
<b>Series</b>	QorIQ P5	<b>Security Features</b>	Boot Security, Cryptography, Secure Fusebox, Secure JTAG, Secure Memory, Tamper Detection
<b>SATA</b>	SATA 3Gbps (2)	<b>RAM Controllers</b>	DDR3, DDR3L
<b>Packaging</b>	Tray	<b>Package / Case</b>	1295-BBGA, FCBGA
<b>Other Names</b>	935314799557	<b>Operating Temperature</b>	-40°C ~ 105°C (TA)
<b>Number of Cores/Bus Width</b>	1 Core, 64-Bit	<b>Moisture Sensitivity Level (MSL)</b>	3 (168 Hours)
<b>Lead Free Status / RoHS Status</b>	Contains lead / RoHS Compliant	<b>Graphics Acceleration</b>	No
<b>Ethernet</b>	1 Gbps (5), 10 Gbps (1)	<b>Display &amp; Interface Controllers</b>	-
<b>Detailed Description</b>	PowerPC e5500 Microprocessor IC QorIQ P5 1 Core, 64-Bit 2.0GHz 1295-FCBGA (37.5x37.5)	<b>Core Processor</b>	PowerPC e5500
<b>Co-Processors/DSP</b>	Security; SEC 4.2	<b>Base Part Number</b>	P5010
<b>Additional Interfaces</b>	DUART, I <sup>2</sup> C, MMC/SD, SPI		

#### Related Products

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