

P5020NXE7TNB



Part Number: [P5020NXE7TNB](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MPU Q OR IQ 2.0GHZ 1295FCBGA

Data sheet:  [P5 Series Fact Sheet](#)
 [P2040/41, P3/P5 Series Brief](#)

RoHs Status: Lead free / RoHS Compliant

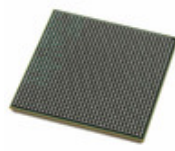
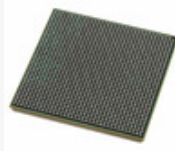
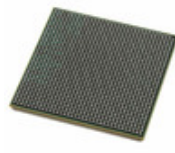
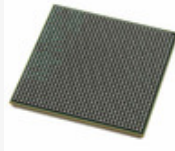
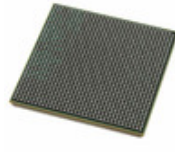
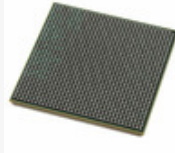
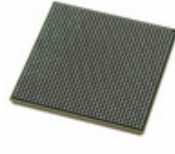
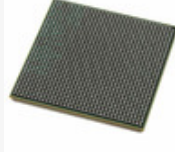
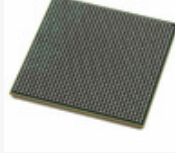
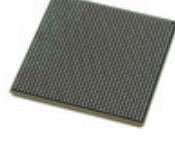
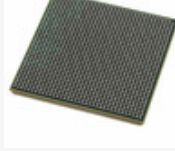
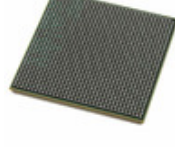
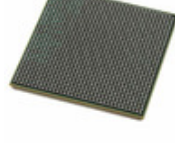
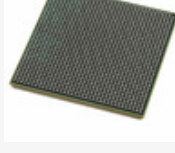
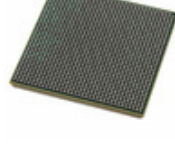
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Images are for reference only.
See Product Specifications for product details.
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PRODUCT PARAMETER			
Part Number	P5020NXE7TNB	Manufacturer	NXP Semiconductors / Freescale
Description	IC MPU Q OR IQ 2.0GHZ 1295FCBGA	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	242 pcs	Data sheet	P5 Series Fact Sheet P2040/41, P3/P5 Series Brief
Category	Integrated Circuits (ICs)	Voltage - I/O	-
USB	USB 2.0 + PHY (2)	Supplier Device Package	1295-FCPBGA (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	Other Names	935325757557
Operating Temperature	-40°C ~ 105°C (TA)	Number of Cores/Bus Width	2 Core, 64-Bit
Moisture Sensitivity Level (MSL)	3 (168 Hours)	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Graphics Acceleration	No	Ethernet	1 Gbps (5), 10 Gbps (1)
Display & Interface Controllers	-	Detailed Description	PowerPC e5500 Microprocessor IC QorIQ P5 2 Core, 64-Bit 2.0GHz 1295-FCPBGA (37.5x37.5)
Core Processor	PowerPC e5500	Co-Processors/DSP	Security; SEC 4.2
Additional Interfaces	DUART, I²C, MMC/SD, SPI		
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RELATED PRODUCTS			
	Part#: P5020NXN1TNB Description: IC MPU Q OR IQ 2.0GHZ 1295FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: P5020NSN7MMB Description: IC MPU Q OR IQ 2.0GHZ 1295FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: P5020NSN7TNB Description: IC MPU Q OR IQ 2.0GHZ 1295FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: P5020NXE7VNB Description: IC MPU Q OR IQ 2.0GHZ 1295FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: P5021NSE72QC Description: IC SOC 64BIT 2X2.2GHZ 1295FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: P5020NXE1VNB Description: IC MPU Q OR IQ 2.0GHZ 1295FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: P5020NXE7QMB Description: IC MPU Q OR IQ 2.0GHZ 1295FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
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	Part#: P5021NSE7VNC Description: IC SOC 64BIT 2X2.0GHZ 1295FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: P5021NSE7TMC Description: IC SOC 64BIT 2X1.8GHZ 1295FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
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