

P5020NXE1QMB



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Part Number: [P5020NXE1QMB](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MPU Q OR IQ 2.0GHZ 1295FCBGA

Data sheet:  [P5020 Prod Brief](#)
 [P2040,1,3041,4080,5020,40 Errata](#)
 [P5 Series Fact Sheet](#)
 [MPIC Double Interrupt Errata](#)
 [P2040/41, P3/P5 Series Brief](#)

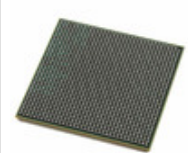
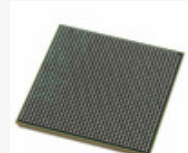
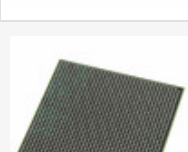
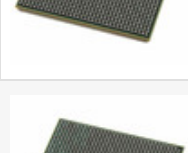
RoHs Status: Contains lead / RoHS Compliant

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PRODUCT PARAMETER			
Part Number	P5020NXE1QMB	Manufacturer	NXP Semiconductors / Freescale
Description	IC MPU Q OR IQ 2.0GHZ 1295FCBGA	Lead Free Status / RoHS Status	Contains lead / RoHS Compliant
Quantity Available	4848 pcs	Data sheet	P5020 Prod Brief P2040,1.3041.4080.5020.40 Errata P5 Series Fact Sheet MPIC Double Interrupt Errata 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	935323305557
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	Contains lead / 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
Base Part Number	P5020	Additional Interfaces	UART, I ² C, MMC/SD, SPI
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