

P5010NSE7TNB



Part Number: [P5010NSE7TNB](#)

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

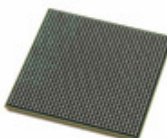
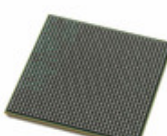
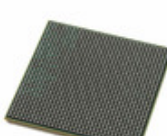
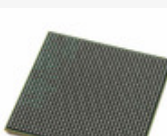
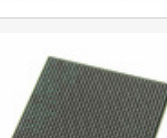
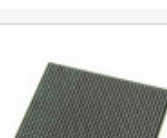
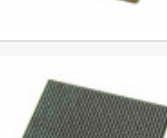
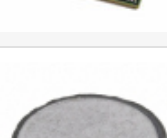
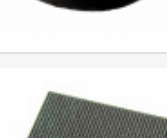
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PRODUCT PARAMETER			
Part Number	P5010NSE7TNB	Manufacturer	NXP Semiconductors / Freescale
Description	IC MPU Q OR IQ 2.0GHZ 1295FCBGA	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	242 pcs	Data sheet	P5 Series Fact Sheet 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	935323436557
Operating Temperature	0°C ~ 105°C (TA)	Number of Cores/Bus Width	1 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 1 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			
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	Part#: P5010NSE1QMB Description: IC MPU Q OR IQ 2.0GHZ 1295FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
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	Part#: P501-100 Description: CABLE RGB COAX HD15 M/F 100'	Manufacturers: Tripp Lite	RFQ
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	Part#: P5010NSE7MMB Description: IC MPU Q OR IQ 2.0GHZ 1295FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
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	Part#: P5010NSE7QMB Description: IC MPU Q OR IQ 2.0GHZ 1295FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
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