

P5020NSE1QMB



Part Number: [P5020NSE1QMB](#)

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

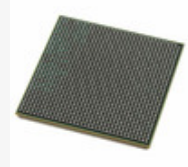
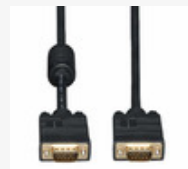
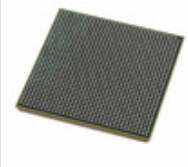
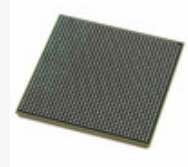
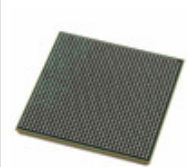
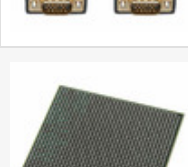
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PRODUCT PARAMETER			
Part Number	P5020NSE1QMB	Manufacturer	NXP Semiconductors / Freescale
Description	IC MPU Q OR IQ 2.0GHZ 1295FCBGA	Lead Free Status / RoHS Status	Contains lead / RoHS Compliant
Quantity Available	4398 pcs	Data sheet	P5020 Prod Brief
			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	935319952557
Operating Temperature	0°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	DUART, I ² C, MMC/SD, SPI
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RELATED PRODUCTS			
	Part#: P5020-RDB Description: BOARD REFERENCE DESIGN P5020	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: P5020NSE1VNB Description: IC MPU Q OR IQ 2.0GHZ 1295FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: P502-050 Description: CABLE SVGA HD15M/M 50'	Manufacturers: Tripp Lite	RFQ
	Part#: P502-075 Description: CABLE WITH RGB COAX HD15 M/M 75'	Manufacturers: Tripp Lite	RFQ
	Part#: P502-040 Description: CBL RGB COAX	Manufacturers: Tripp Lite	RFQ
	Part#: P5020NSE7VNB Description: IC MPU Q OR IQ 2.0GHZ 1295FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: P5020NSN1VNB Description: IC MPU Q OR IQ 2.0GHZ 1295FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: P5020NSE1MMB Description: IC MPU Q OR IQ 2.0GHZ 1295FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: P5020DS-PB Description: BOARD DEV PLATFORM P5020	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: P5020DS-PA Description: BOARD REFERENCE DESIGN P5020	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: P5020NSE1TNB Description: IC MPU Q OR IQ 2.0GHZ 1295FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: P5020NSN1QMB Description: IC MPU Q OR IQ 2.0GHZ 1295FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: P5020NSN1TNB Description: IC MPU Q OR IQ 2.0GHZ 1295FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: P5020NSE7MMB Description: IC MPU Q OR IQ 2.0GHZ 1295FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: P5020NSE7TNB Description: IC MPU Q OR IQ 2.0GHZ 1295FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: P502-100 Description: CABLE RGB COAX HD15 M M 100'	Manufacturers: Tripp Lite	RFQ
	Part#: P5020NSN1MMB Description: IC MPU Q OR IQ 2.0GHZ 1295FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: P502-050-P Description: CABLE RGB COAX HD15 M/M 50'	Manufacturers: Tripp Lite	RFQ
	Part#: P502-050-SM Description: CBL RGB COAX	Manufacturers: Tripp Lite	RFQ
	Part#: P5020NSE7QMB Description: IC MPU Q OR IQ 2.0GHZ 1295FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ

Related keywords for P5020NSE1QMB

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