

P2040NSE1KLB



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Part Number: [P2040NSE1KLB](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MPU Q OR IQ 1.0GHZ 780FCBGA

Data sheet:  [P2040,1,3041,4080,5020,40 Errata](#)
 [MPIC Double Interrupt Errata](#)
 [P2040 Datasheet](#)
 [P2040/41, P3/P5 Series Brief](#)
 [P2040,P2041 Fact Sheet](#)
 [P2040 QorIQ Product Brief](#)

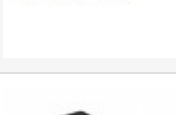
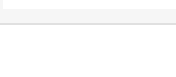
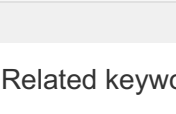
RoHs Status: Lead free / RoHS Compliant

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PRODUCT PARAMETER			
Part Number	P2040NSE1KLB	Manufacturer	NXP Semiconductors / Freescale
Description	IC MPU Q OR IQ 1.0GHZ 780FCBGA	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	4589 pcs	Data sheet	P2040,1,3041,4080,5020,40 Errata MPIC Double Interrupt Errata P2040 Datasheet P2040/41, P3/P5 Series Brief P2040,P2041 Fact Sheet P2040 QorIQ Product Brief
Category	Integrated Circuits (ICs)	Voltage - I/O	1.0V, 1.35V, 1.5V, 1.8V, 2.5V, 3.3V
USB	USB 2.0 + PHY (2)	Supplier Device Package	780-FCPBGA (23x23)
Speed	1.0GHz	Series	QorIQ P2
Security Features	Boot Security, Cryptography, Random Number Generator, Secure Fusebox	SATA	SATA 3Gbps (2)
RAM Controllers	DDR3, DDR3L	Packaging	Tray
Package / Case	-	Operating Temperature	0°C ~ 105°C (TA)
Number of Cores/Bus Width	4 Core, 32-Bit	Moisture Sensitivity Level (MSL)	3 (168 Hours)
Lead Free Status / RoHS Status	Lead free / RoHS Compliant	Graphics Acceleration	No
Ethernet	10/100/1000 Mbps (5)	Display & Interface Controllers	-
Detailed Description	PowerPC e500mc Microprocessor IC QorIQ P2 4 Core, 32-Bit 1.0GHz 780-FCPBGA (23x23)	Core Processor	PowerPC e500mc
Co-Processors/DSP	Security; SEC 4.2	Base Part Number	P2040
Additional Interfaces	DUART, I ² C, MMC/SD, RapidIO, SPI		
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RELATED PRODUCTS			
	Part#: P203-006 Description: CABLE EXTENSION DIN5M DIN5F 6'	Manufacturers: Tripp Lite	RFQ
	Part#: P2040NSN7HLC Description: IC MPU Q OR IQ 800MHZ 780FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: P203-006-R Description: CABLE EXTENSION DIN5M DIN5F 6'	Manufacturers: Tripp Lite	RFQ
	Part#: P2040NSE1MMB Description: IC MPU Q OR IQ 1.2GHZ 780FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: P2035CMN Description: TAPE,19MMX5M,CHROME	Manufacturers: Apex Tool Group	RFQ
	Part#: P2040NSN7FLC Description: IC MPU Q OR IQ 667MHZ 780FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: P202BA75.E3.86 Description: CABLE 2COND 20AWG NATURAL	Manufacturers: General Cable	RFQ
	Part#: P2040NSE7MMC Description: IC MPU Q OR IQ 1.2GHZ 780FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: P2040NSN1HLB Description: IC MPU Q OR IQ 800MHZ 780FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: P2040NSN1KLB Description: IC MPU Q OR IQ 1.0GHZ 780FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: P202BA75.41.86 Description: CABLE 2COND 20AWG NATURAL 1000'	Manufacturers: General Cable	RFQ
	Part#: P2035CMEN Description: TAPE,3/4"X16'(19MMX5M),CHROME	Manufacturers: Apex Tool Group	RFQ
	Part#: P2040NSN7KLC Description: IC MPU Q OR IQ 1.0GHZ 780FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: P2040NSE1FLB Description: IC MPU Q OR IQ 667MHZ 780FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: P2040NSE7HLC Description: IC MPU Q OR IQ 1.2GHZ 780FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: P2034CMEN Description: TAPE,3/4"X13'(19MMX4M),CHROME	Manufacturers: Apex Tool Group	RFQ
	Part#: P2040NSN1MMB Description: IC MPU Q OR IQ 1.2GHZ 780FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: P2040NSN1FLB Description: IC MPU Q OR IQ 667MHZ 780FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: P202BA75.E2.86 Description: CABLE 2COND 20AWG NATURAL	Manufacturers: General Cable	RFQ
	Part#: P2040NSE1HLB Description: IC MPU Q OR IQ 800MHZ 780FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ

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