

P2041NSE1MMB



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Part Number: [P2041NSE1MMB](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MPU Q OR IQ 1.2GHZ 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](#)

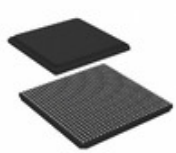
RoHs Status: Lead free / RoHS Compliant

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PRODUCT PARAMETER			
Part Number	P2041NSE1MMB	Manufacturer	NXP Semiconductors / Freescale
Description	IC MPU Q OR IQ 1.2GHZ 780FCBGA	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	4531 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
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	1.2GHz	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	780-BBGA, FCBGA	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), 10 Gbps (1)	Display & Interface Controllers	-
Detailed Description	PowerPC e500mc Microprocessor IC QorIQ P2 4 Core, 32-Bit 1.2GHz 780-FCPBGA (23x23)	Core Processor	PowerPC e500mc
Co-Processors/DSP	Security; SEC 4.2	Base Part Number	P2041
Additional Interfaces	DUART, I ² C, MMC/SD, RapidIO, SPI		
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	Part#: P2041NSE7PNC Description: IC MPU Q OR IQ 1.5GHZ 780FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: P2041NSN7MMC Description: IC MPU Q OR IQ 1.2GHZ 780FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: P2040NXN7MMC Description: IC MPU Q OR IQ 1.2GHZ 780FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
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