

P1021NSE2DFB



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Part Number: [P1021NSE2DFB](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MPU Q OR IQ 800MHZ 689TEBGA

Data sheet:  [MPIC Double Interrupt Errata](#)
 [TBI Link Status Errata](#)
 [USB Errata](#)
 [P1020, 1021, and P1022 Designing](#)
 [P1012/21 Fact Sheet](#)

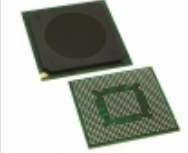
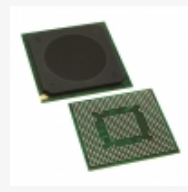
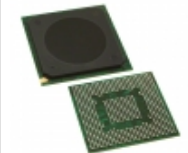
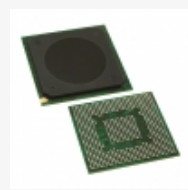
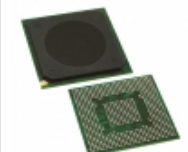
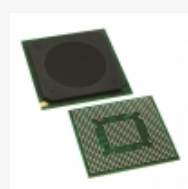
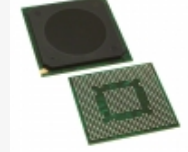
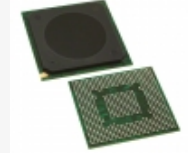
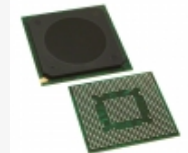
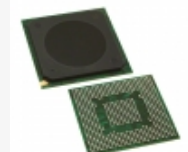
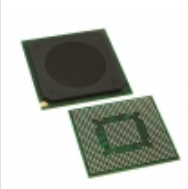
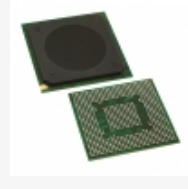
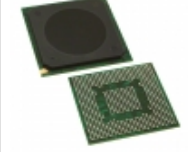
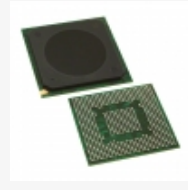
RoHs Status: Lead free / RoHS Compliant

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PRODUCT PARAMETER			
Part Number	P1021NSE2DFB	Manufacturer	NXP Semiconductors / Freescale
Description	IC MPU Q OR IQ 800MHZ 689TEBGA	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	1613 pcs	Data sheet	MPIC Double Interrupt Errata TBI Link Status Errata USB Errata P1020, 1021, and P1022 Designing P1012/21 Fact Sheet
Category	Integrated Circuits (ICs)	Voltage - I/O	-
USB	USB 2.0 + PHY (2)	Supplier Device Package	689-TEPBGA II (31x31)
Speed	800MHz	Series	QorIQ P1
Security Features	Cryptography, Random Number Generator	SATA	-
RAM Controllers	DDR2, DDR3	Packaging	Tray
Package / Case	689-BBGA Exposed Pad	Other Names	935324379557
Operating Temperature	0°C ~ 125°C (TA)	Number of Cores/Bus Width	2 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 (3)
Display & Interface Controllers	-	Detailed Description	PowerPC e500v2 Microprocessor IC QorIQ P1 2 Core, 32-Bit 800MHz 689-TEPBGA II (31x31)
Core Processor	PowerPC e500v2	Co-Processors/DSP	Communications; QUICC Engine, Security; SEC 3.3
Base Part Number	P1021	Additional Interfaces	DUART, I ² C, MMC/SD, SPI
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RELATED PRODUCTS			
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	Part#: P1020NXN2FFB Description: IC MPU Q OR IQ 800MHZ 689TEBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
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	Part#: P1020NXN2HFB Description: IC MPU Q OR IQ 800MHZ 689TEBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: P1020PSE2HFB Description: IC MPU Q OR IQ 800MHZ 689TEBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: P1020PSE2DFB Description: IC MPU Q OR IQ 800MHZ 689TEBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: P1021-MDS-PB Description: BOARD MODULAR DEV SYSTEM	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: P1021NXE2DFB Description: IC MPU Q OR IQ 800MHZ 689TEBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: P1020RDB-PB Description: BOARD REF DESIGN 6 PORT ETHER	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: P1021NSE2FFB Description: IC MPU Q OR IQ 800MHZ 689TEBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: P1020RDB-PC Description: KIT REF DESIGN NETWORK FOR P1020	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: P1021NXN2DFB Description: IC MPU Q OR IQ 800MHZ 689TEBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: P1020RDB-PD Description: BOARD REF DESIGN	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: P1021NSN2HFB Description: IC MPU Q OR IQ 800MHZ 689TEBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: P1021NSN2FFB Description: IC MPU Q OR IQ 800MHZ 689TEBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
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