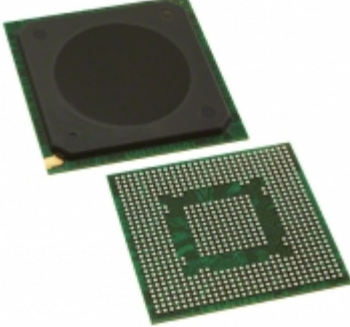


P1021NXE2HFB



Images are for reference only.
See Product Specifications for product details.
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Part Number: [P1021NXE2HFB](#)

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](#)

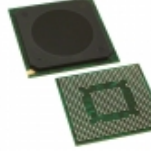
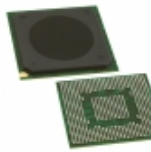
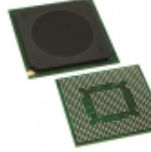
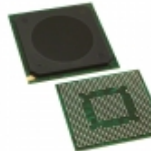
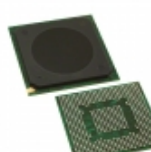
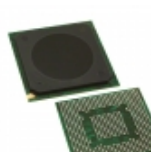
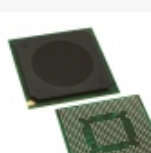
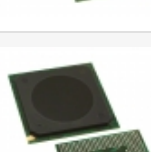
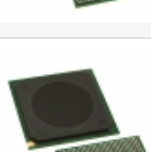
RoHs Status: Lead free / RoHS Compliant

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PRODUCT PARAMETER			
Part Number	P1021NXE2HFB	Manufacturer	NXP Semiconductors / Freescale
Description	IC MPU Q OR IQ 800MHZ 689TEBGA	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	912 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	935321506557
Operating Temperature	-40°C ~ 105°C (TA)	Number of Cores/Bus Width	2 Core, 32-Bit
Moisture Sensitivity Level (MSL)	3 (168 Hours)	Manufacturer Standard Lead Time	12 Weeks
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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	Part#: P1020UTM-PC Description: QORIQ UTM/SECURITY SOLUTION	Manufacturers: NXP Semiconductors / Freescale	RFQ
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