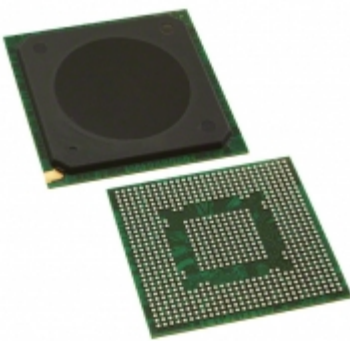


P1020NXN2HFB



Images are for reference only.
See Product Specifications for product details.
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Part Number: P1020NXN2HFB

Manufacturer: NXP Semiconductors / Freescale

Description: IC MPU Q OR IQ 800MHZ 689TEBGA

Data sheet:

- P1 Series Fact Sheet
- MPIC Double Interrupt Errata
- TBI Link Status Errata
- USB Errata
- P1020, 1021, and P1022 Designing
- QorIQ™ P1020 Brief

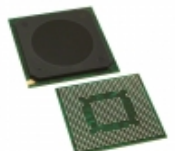
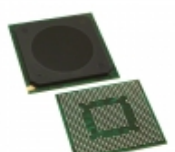
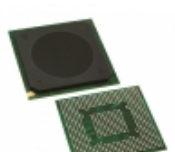
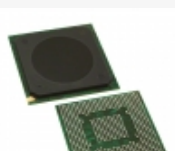
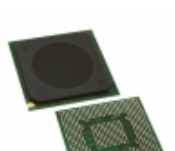
RoHs Status: Lead free / RoHS Compliant

Ship From: Hong Kong

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PRODUCT PARAMETER			
Part Number	P1020NXN2HFB	Manufacturer	NXP Semiconductors / Freescale
Description	IC MPU Q OR IQ 800MHZ 689TEBGA	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	1449 pcs	Data sheet	P1 Series Fact Sheet MPIC Double Interrupt Errata TBI Link Status Errata USB Errata P1020, 1021, and P1022 Designing QorIQ™ P1020 Brief
Category	Integrated Circuits (ICs)	Voltage - I/O	2.5V, 3.3V
USB	USB 2.0 + PHY (2)	Supplier Device Package	689-TEPBGA II (31x31)
Speed	800MHz	Series	QorIQ P1
Security Features	-	SATA	-
RAM Controllers	DDR2, DDR3	Packaging	Tray
Package / Case	689-BBGA Exposed Pad	Other Names	935310441557
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	-	Base Part Number	P1020
Additional Interfaces	DUART, I²C, MMC/SD, SPI		
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	Part#: P1020UTM-PC Description: QORIQ UTM/SECURITY SOLUTION	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: P1020RDB-PC Description: KIT REF DESIGN NETWORK FOR P1020	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: P1020PSE2HFB 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#: P1021-MDS-PB Description: BOARD MODULAR DEV SYSTEM	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: P1020NSN2DFB Description: IC MPU Q OR IQ 800MHZ 689TEBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ

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