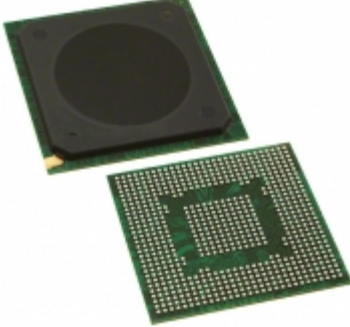


P1020NSE2FFB



Images are for reference only.
See Product Specifications for product details.
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Part Number: [P1020NSE2FFB](#)

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](#)

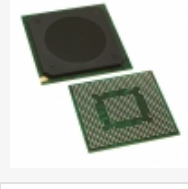
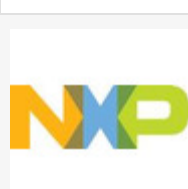
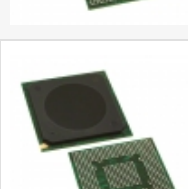
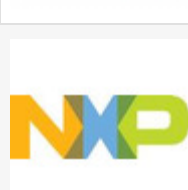
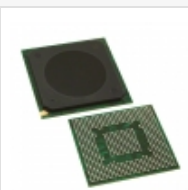
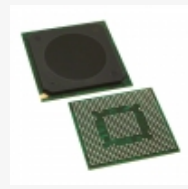
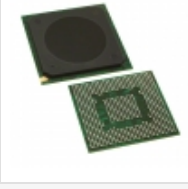
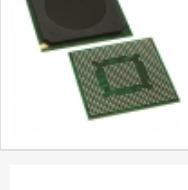
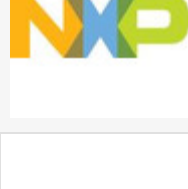
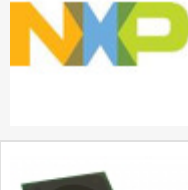
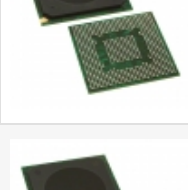
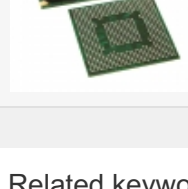
RoHs Status: Lead free / RoHS Compliant

Ship From: Hong Kong

Shipment Way: DHL/Fedex/TNT/UPS/EMS

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PRODUCT PARAMETER			
Part Number	P1020NSE2FFB	Manufacturer	NXP Semiconductors / Freescale
Description	IC MPU Q OR IQ 800MHZ 689TEBGA	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	1598 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	Cryptography, Random Number Generator	SATA	-
RAM Controllers	DDR2, DDR3	Packaging	Tray
Package / Case	689-BBGA Exposed Pad	Other Names	935321516557
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	Security; SEC 3.3
Base Part Number	P1020	Additional Interfaces	DUART, I²C, MMC/SD, SPI
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	Part#: P1020-WLAN Description: P1020-WLAN WIRESS LAN	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: P1020NSE2DFB Description: IC MPU Q OR IQ 800MHZ 689TEBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: P102-000-R Description: D-SUB ADAPTER DB9F TO DB25F	Manufacturers: Tripp Lite	RFQ
	Part#: P1017NSN5CFB Description: IC MPU Q OR IQ 500MHZ 457TEBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: P102-000 Description: GENDER CHANGER DB9F TO DB25F	Manufacturers: Tripp Lite	RFQ
	Part#: P1020NSN2FFB Description: IC MPU Q OR IQ 800MHZ 689TEBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: P1020NXN2DFB Description: IC MPU Q OR IQ 800MHZ 689TEBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: P1017NSN5HFB Description: IC MPU Q OR IQ 800MHZ 457TEBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: P1020NSN2DFB Description: IC MPU Q OR IQ 800MHZ 689TEBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: P1020XE2HFB Description: IC MPU Q OR IQ 800MHZ 689TEBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: P1020NXN2HFB Description: IC MPU Q OR IQ 800MHZ 689TEBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: P1020MBG-PC Description: QORIQ MULTI-SERV BUS SOLUTION	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: P1020NSE2HFB Description: IC MPU Q OR IQ 800MHZ 689TEBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: P1017NXE5HFB Description: IC MPU Q OR IQ 800MHZ 457TEBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: P1020-5R0474-2 Description: CAP AERO 0.47F,P S SERIES	Manufacturers: Bussmann (Eaton)	RFQ
	Part#: P1020NSN2HFB Description: IC MPU Q OR IQ 800MHZ 689TEBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: P1020XE2DFB Description: IC MPU Q OR IQ 800MHZ 689TEBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: P1017NSN5FFB Description: IC MPU Q OR IQ 667MHZ 457TEBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: P1020XE2FFB Description: IC MPU Q OR IQ 800MHZ 689TEBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: P1020NXN2FFB Description: IC MPU Q OR IQ 800MHZ 689TEBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ

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