

P1020PSE2FDB



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Part Number: [P1020PSE2FDB](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MPU Q OR IQ 800MHZ 689TEBGA

Data sheet:  [P1 Series Fact Sheet](#)
 [P1020, 1021, and P1022 Designing](#)
 [QorIQ™ P1020 Brief](#)

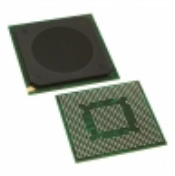
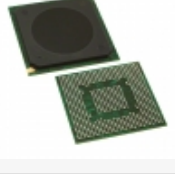
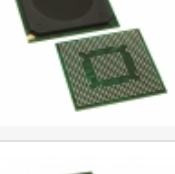
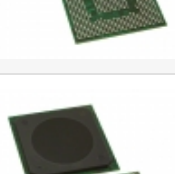
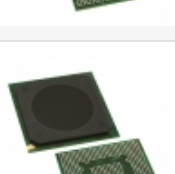
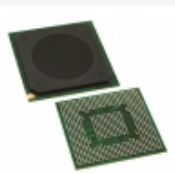
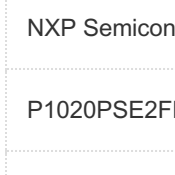
RoHs Status: Lead free / RoHS Compliant

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PRODUCT PARAMETER			
Part Number	P1020PSE2FDB	Manufacturer	NXP Semiconductors / Freescale
Description	IC MPU Q OR IQ 800MHZ 689TEBGA	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	5326 pcs	Data sheet	P1 Series Fact Sheet 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	P1020PSE2FDA P1020PSE2FDA-ND
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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