

NXP Semiconductors / Freescale

### P1012NXE2FFB

Part Number:	P1012NXE2FFB
Manufacturer/Brand:	NXP Semiconductors / Freescale
Product description:	IC MPU Q OR IQ 800MHZ 689TEBGA
Datasheets:	
RoHS Status:	Lead free / RoHS Compliant
Stock Condition:	5513 pcs stock
Ship From:	Hong Kong
Shipment Way:	DHL/Fedex/TNT/UPS/EMS

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#### Specifications of P1012NXE2FFB

PART NUMBER	P1012NXE2FFB
MANUFACTURER	NXP Semiconductors / Freescale
DESCRIPTION	IC MPU Q OR IQ 800MHZ 689TEBGA
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
QUANTITY AVAILABLE	5513 pcs
DATA SHEET	
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
OPERATING TEMPERATURE	-40°C ~ 105°C (TA)
NUMBER OF CORES/BUS WIDTH	1 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 1 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	P1012
ADDITIONAL INTERFACES	DUART, I <sup>2</sup> C, MMC/SD, SPI

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	<p><b>P1012PSE2HFB</b></p> <p>Manufacturers: NXP Description: IC MPU Q OR IQ 800MHZ 689TEBGA In stock: 5190 pcs</p> <p><a href="#">RFQ</a></p>		<p><b>P1012NSE2FFB</b></p> <p>Manufacturers: NXP Description: IC MPU Q OR IQ 800MHZ 689TEBGA In stock: 1779 pcs</p> <p><a href="#">RFQ</a></p>
	<p><b>P1012NXN2HFB</b></p> <p>Manufacturers: NXP Description: IC MPU Q OR IQ 800MHZ 689TEBGA In stock: 1376 pcs</p> <p><a href="#">RFQ</a></p>		<p><b>P1012NSN2FFB</b></p> <p>Manufacturers: NXP Description: IC MPU Q OR IQ 800MHZ 689TEBGA In stock: 3221 pcs</p> <p><a href="#">RFQ</a></p>
	<p><b>P1012NXN2FFB</b></p> <p>Manufacturers: NXP Description: IC MPU Q OR IQ 800MHZ 689TEBGA In stock: 3014 pcs</p> <p><a href="#">RFQ</a></p>		<p><b>P1012NXN2DFB</b></p> <p>Manufacturers: NXP Description: IC MPU Q OR IQ 800MHZ 689TEBGA In stock: 1353 pcs</p> <p><a href="#">RFQ</a></p>
	<p><b>P1012NXE2HFB</b></p> <p>Manufacturers: NXP Description: IC MPU Q OR IQ 800MHZ 689TEBGA In stock: 1184 pcs</p> <p><a href="#">RFQ</a></p>		<p><b>P1012NSN2DFB</b></p> <p>Manufacturers: NXP Description: IC MPU Q OR IQ 800MHZ 689TEBGA In stock: 1755 pcs</p> <p><a href="#">RFQ</a></p>
	<p><b>P1012NXE2DFB</b></p> <p>Manufacturers: NXP Description: IC MPU Q OR IQ 800MHZ 689TEBGA In stock: 3709 pcs</p> <p><a href="#">RFQ</a></p>		<p><b>P1013NSE2EFB</b></p> <p>Manufacturers: NXP Description: IC MPU Q OR IQ 1.055GHZ 689TBGA In stock: 5814 pcs</p> <p><a href="#">RFQ</a></p>
	<p><b>P1012NSN2HFB</b></p> <p>Manufacturers: NXP Description: IC MPU Q OR IQ 800MHZ 689TEBGA In stock: 1280 pcs</p> <p><a href="#">RFQ</a></p>		<p><b>P1012NSE2HFB</b></p> <p>Manufacturers: NXP Description: IC MPU Q OR IQ 800MHZ 689TEBGA In stock: 1219 pcs</p> <p><a href="#">RFQ</a></p>