



NXP Semiconductors / Freescale



Image may be representation. See specifications for product details.

P2041NSN1PNB

Part Number:	P2041NSN1PNB
Manufacturer/Brand:	NXP Semiconductors / Freescale
Product description	IC MPU Q OR IQ 1.5GHZ 780FCBGA  1.P2041NSN1PNB.pdf  2.P2041NSN1PNB.pdf  3.P2041NSN1PNB.pdf  4.P2041NSN1PNB.pdf  5.P2041NSN1PNB.pdf
Datasheets:	
RoHs Status	 Lead free / RoHS Compliant
Ship From	Hong Kong
Shipment Way	DHL/Fedex/TNT/UPS/EMS

REQUEST FOR QUOTATION

Specifications of P2041NSN1PNB

PART NUMBER	P2041NSN1PNB
MANUFACTURER	NXP Semiconductors / Freescale
DESCRIPTION	IC MPU Q OR IQ 1.5GHZ 780FCBGA
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
DATA SHEET	 1.P2041NSN1PNB.pdf  2.P2041NSN1PNB.pdf  3.P2041NSN1PNB.pdf  4.P2041NSN1PNB.pdf  5.P2041NSN1PNB.pdf
VOLTAGE - I/O	1.0V, 1.35V, 1.5V, 1.8V, 2.5V, 3.3V
USB	USB 2.0 + PHY (2)
SUPPLIER DEVICE PACKAGE	780-FCBGA (23x23)
SPEED	1.5GHz
SERIES	QorIQ P2
SECURITY FEATURES	-
SATA	SATA 3Gbps (2)
RAM CONTROLLERS	DDR3, DDR3L
PACKAGING	Tray
PACKAGE / CASE	780-BBGA, FCBGA
OPERATING TEMPERATURE	0°C ~ 105°C (TA)
NUMBER OF CORES/BUS WIDTH	4 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 (5), 10 Gbps (1)
DISPLAY & INTERFACE CONTROLLERS	-
DETAILED DESCRIPTION	PowerPC e500mc Microprocessor IC QorIQ P2 4 Core, 32-Bit 1.5GHz 780-FCBGA (23x23)
CORE PROCESSOR	PowerPC e500mc
CO-PROCESSORS/DSP	-
BASE PART NUMBER	P2041
ADDITIONAL INTERFACES	DUART, I ² C, MMC/SD, RapidIO, SPI

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