



NXP Semiconductors / Freescale

T2080NSE7PTB

Part Number:	T2080NSE7PTB
Manufacturer/Brand:	NXP Semiconductors / Freescale
Product description:	IC SOC 64BIT 8X1.5GHZ 896FCBGA
Datasheets:	1.T2080NSE7PTB.pdf 2.T2080NSE7PTB.pdf
RoHs Status:	Lead free / RoHS Compliant
Ship From:	Hong Kong
Shipment Way:	DHL/Fedex/TNT/UPS/EMS

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Specifications of T2080NSE7PTB

PART NUMBER	T2080NSE7PTB
MANUFACTURER	NXP Semiconductors / Freescale
DESCRIPTION	IC SOC 64BIT 8X1.5GHZ 896FCBGA
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
DATA SHEET	1.T2080NSE7PTB.pdf 2.T2080NSE7PTB.pdf
VOLTAGE - I/O	-
USB	USB 2.0 + PHY (2)
SUPPLIER DEVICE PACKAGE	896-FCBGA (25x25)
SPEED	1.8GHz
SERIES	QorIQ T2
SECURITY FEATURES	Boot Security, Cryptography, Secure Fusebox, Secure Debug, Tamper Detection, Volatile key Storage
SATA	SATA 3Gbps (2)
RAM CONTROLLERS	DDR3, DDR3L
PACKAGING	Bulk
PACKAGE / CASE	896-FBGA, FCBGA
OPERATING TEMPERATURE	0°C ~ 105°C (TA)
NUMBER OF CORES/BUS WIDTH	4 Core, 64-Bit
MOISTURE SENSITIVITY LEVEL (MSL)	3 (168 Hours)
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
GRAPHICS ACCELERATION	No
ETHERNET	1 Gbps (8), 2.5 Gbps (4), 10 Gbps (4)
DISPLAY & INTERFACE CONTROLLERS	-
DETAILED DESCRIPTION	PowerPC e6500 Microprocessor IC QorIQ T2 4 Core, 64-Bit 1.8GHz 896-FCBGA (25x25)
CORE PROCESSOR	PowerPC e6500
CO-PROCESSORS/DSP	-
ADDITIONAL INTERFACES	I ² C, MMC/SD, PCIe, RapidIO, SPI, UART

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<p>T2080172101-000 Manufacturers: Agatrat Relays / TE Connectivity Description: HQ-017-M In stock: 80 pcs RFQ</p>	<p>T2080172201-000 Manufacturers: Agatrat Relays / TE Connectivity Description: HQ-017-F In stock: 80 pcs RFQ</p>
<p>T2080NSE8MQB Manufacturers: NXP Semiconductors / Freescale Description: QORIQ 64B POWER ARCH 8X 1.2GHZ In stock: 44 pcs RFQ</p>	<p>T2080122201-000 Manufacturers: Agatrat Relays / TE Connectivity Description: HQ-012-F In stock: 25 pcs RFQ</p>
<p>T2080NSE8T1B Manufacturers: NXP Semiconductors / Freescale Description: QORIQ 64B POWER ARCH8X 1.8GHZ In stock: Out stock RFQ</p>	<p>T2080NSE7MQB Manufacturers: NXP Semiconductors / Freescale Description: IC SOC 64BIT 8X1.2GHZ 896FCBGA In stock: Out stock RFQ</p>
<p>T2080NSE7TTB Manufacturers: NXP Semiconductors / Freescale Description: IC SOC 64BIT 8X1.8GHZ 896FCBGA In stock: Out stock RFQ</p>	<p>T2080NSE8MQLB Manufacturers: NXP Semiconductors / Freescale Description: QORIQ64B POWER ARCH8X 1.2GHZ T In stock: Out stock RFQ</p>
<p>T2080NSE8P1B Manufacturers: NXP Semiconductors / Freescale Description: QORIQ64B POWER ARCH8X 1.5GHZ T In stock: Out stock RFQ</p>	<p>T2080150000G Manufacturers: Anytek (Amphenol Anytek) Description: 500 TB RIS CLA 45D STACK In stock: Out stock RFQ</p>
<p>T20801510000G Manufacturers: Anytek (Amphenol Anytek) Description: 500 TB RIS CLA 45D SOLID In stock: Out stock RFQ</p>	<p>T2080NSE8PTB Manufacturers: NXP Semiconductors / Freescale Description: QORIQ 64B POWER ARCH 8X 1.5GHZ In stock: 44 pcs RFQ</p>

