

NXP Semiconductors / Freescale

T2081NXN7PTB

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | T2081NXN7PTB                                                                                                 |
| Manufacturer/Brand: | NXP Semiconductors / Freescale                                                                               |
| Product description | IC SOC 64BIT 8X1.5GHZ 780FCBGA                                                                               |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 4128 pcs stock                                                                                               |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

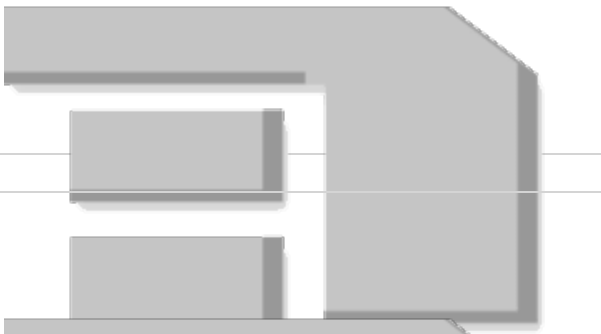
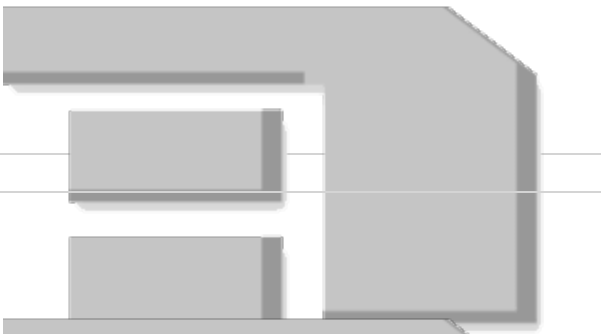
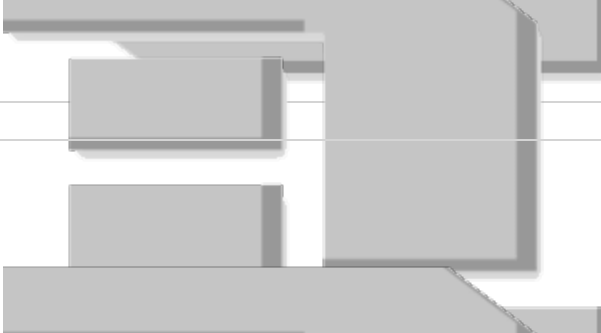
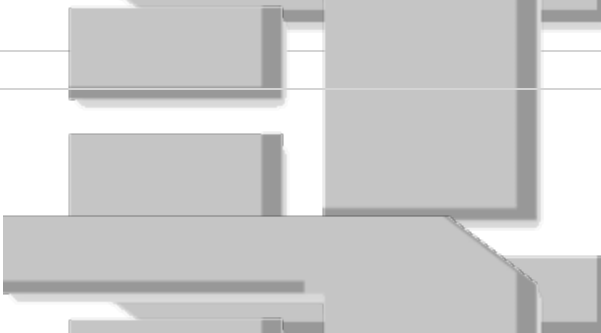
Specifications of T2081NXN7PTB

|                                  |                                                                                   |
|----------------------------------|-----------------------------------------------------------------------------------|
| PART NUMBER                      | T2081NXN7PTB                                                                      |
| MANUFACTURER                     | NXP Semiconductors / Freescale                                                    |
| DESCRIPTION                      | IC SOC 64BIT 8X1.5GHZ 780FCBGA                                                    |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                        |
| QUANTITY AVAILABLE               | 4128 pcs                                                                          |
| DATA SHEET                       |                                                                                   |
| VOLTAGE - I/O                    | -                                                                                 |
| USB                              | USB 2.0 + PHY (2)                                                                 |
| SUPPLIER DEVICE PACKAGE          | 780-FCPBGA (23x23)                                                                |
| SPEED                            | 1.8GHz                                                                            |
| SERIES                           | QorIQ T2                                                                          |
| SECURITY FEATURES                | -                                                                                 |
| SATA                             | SATA 3Gbps (2)                                                                    |
| RAM CONTROLLERS                  | DDR3, DDR3L                                                                       |
| PACKAGING                        | Bulk                                                                              |
| PACKAGE / CASE                   | 780-FBGA, FCBGA                                                                   |
| OPERATING TEMPERATURE            | -40°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 780-FCPBGA (23x23) |
| CORE PROCESSOR                   | PowerPC e6500                                                                     |
| CO-PROCESSORS/DSP                | -                                                                                 |
| ADDITIONAL INTERFACES            | I²C, MMC/SD, PCIe, RapidIO, SPI, UART                                             |

Related Tags

|                            |                                 |                        |
|----------------------------|---------------------------------|------------------------|
| T2081NXN7PTB               | T2081NXN7PTB Distributor        | T2081NXN7PTB Supplier  |
| T2081NXN7PTB Price         | T2081NXN7PTB Pictures           | T2081NXN7PTB Image     |
| T2081NXN7PTB PDF Datasheet | T2081NXN7PTB Download Datasheet | T2081NXN7PTB Datasheet |
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| T2081NXN7PTB               | Supplier                        | Distributor            |

Related Products

|                                                                                    |                                                                                                                              |                                                                                      |                                                                                                                              |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
|  | <b>T2081NXN8PTB</b><br>Manufacturers: NXP<br>Description: QORIQ 64B POWER ARCH 8X 1.5GHZ<br>In stock: 631 pcs<br><b>RFQ</b>  |  | <b>T2081NXN8MQB</b><br>Manufacturers: NXP<br>Description: QORIQ 64B POWER ARCH 8X 1.2GHZ<br>In stock: 815 pcs<br><b>RFQ</b>  |
|  | <b>T2081NXE8P1B</b><br>Manufacturers: NXP<br>Description: QORIQ64B POWER ARCH8X 1.5GHZ T<br>In stock: 480 pcs<br><b>RFQ</b>  |  | <b>T2081NXE8TTB</b><br>Manufacturers: NXP<br>Description: QORIQ 64B POWER ARCH 8X 1.8GHZ<br>In stock: 464 pcs<br><b>RFQ</b>  |
|  | <b>T2081NXE8PTB</b><br>Manufacturers: NXP<br>Description: QORIQ 64B POWER ARCH 8X 1.5GHZ<br>In stock: 625 pcs<br><b>RFQ</b>  |  | <b>T2081NXN7MQB</b><br>Manufacturers: NXP<br>Description: IC SOC 64BIT 8X1.2GHZ 780FCBGA<br>In stock: 4589 pcs<br><b>RFQ</b> |
|  | <b>T2081NXE8T1B</b><br>Manufacturers: NXP<br>Description: QORIQ 64B POWERARCH8X 1.8GHZ T<br>In stock: 412 pcs<br><b>RFQ</b>  |  | <b>T2081NXN8MQLB</b><br>Manufacturers: NXP<br>Description: QORIQ64B POWER ARCH8X 1.2GHZ T<br>In stock: 744 pcs<br><b>RFQ</b> |
|  | <b>T2081NXN8P1B</b><br>Manufacturers: NXP<br>Description: QORIQ 64B POWER ARCH8X 1.5GHZ T<br>In stock: 521 pcs<br><b>RFQ</b> |  | <b>T2081NXN8T1B</b><br>Manufacturers: NXP<br>Description: QORIQ 64B POWERARCH8X 1.8GHZ T<br>In stock: 471 pcs<br><b>RFQ</b>  |
|  | <b>T2081NXE8MQLB</b><br>Manufacturers: NXP<br>Description: QORIQ64B POWER ARCH8X 1.2GHZ T<br>In stock: 804 pcs<br><b>RFQ</b> |  | <b>T2081NXN8TTB</b><br>Manufacturers: NXP<br>Description: QORIQ 64B POWER ARCH 8X 1.8GHZ<br>In stock: 446 pcs<br><b>RFQ</b>  |