

T2080NXE8TTB Information[Product Summary Page](#)

- ▶ [General Information](#)
- ▶ [Package Information](#)
- ▶ [Environmental and Compliance Information](#)
- ▶ [Manufacturing Information](#)
- ▶ [Ordering Information](#)
- ▶ [Operating Characteristics](#)
- ▶ [Reliability Data Lookup](#)

General Information





Parameter	Value
Part Number	T2080NXE8TTB
Description	QorIQ, 64b Power Arch, 8x 1.8GHz threads, 1.87GT/s DDR3/3L, 4x10GE, crypto enabled, -40-105C, Rev1.1
Product Line	GVC2080E
PTI	NLFB
Material Type	Tested Packaged Device
Life Cycle Description (code)	PRODUCT RAPID GROWTH
Status	Active
Application/Qualification Tier	10-YEARS APPLICATION LIFE

Package Information

Parameter	Value
Package Type and Termination Count	FCPBGA 896
Package Description and Mechanical Drawing	FC 896 25x25 2.46 Lidded

Device Weight(g)	6.15980
Package Length (nominal)(mm)	25.000
Package Width (nominal)(mm)	25.000
Package Thickness (nominal)(mm)	2.460
Tape & Reel	No

Environmental and Compliance Information

Parameter	Value
Pb-Free	
RoHS Compliant	
Halogen Free	Yes
Material Composition Declaration (MCD)	Download MCD Report  Download MCD Report 
RoHS Certificate of Analysis (CoA)	Contact Us
2nd Level Interconnect	e1
Moisture Sensitivity Level (MSL)	3
Floor Life	168 HOURS
Peak Package Body Temperature (PPT)(°C)	250
Maximum Time at Peak Temperature (s)	30
Number of Reflow Cycles	3
REACH SVHC	NXP REACH Statement

Manufacturing Information

Parameter	Value
Micron Size(μm)	.028

Ordering Information

Parameter	Value
Minimum Package Quantity (MPQ)	1
MPQ Container	EACH
Exempt from Minimum Delivery Value	Yes
Preferred Order Quantity (POQ)	1
POQ Container	BOX
Leadtime (weeks)	22
Export Control Classification Number (US)	5A002A
Harmonized Tariff (US) Disclaimer	8542.31.0000
CCATS Document	-
ENC Status	-
Other Trade Compliance Documents	-
Budgetary Price excluding tax(US\$) Change Currency	1000 @ US\$157.22 each
Order	Buy Direct Check Buy Availability

Operating Characteristics

Parameter	Value
Additional Features	SATA 2.0
Ambient Operating Temperature (Min-Max) (°C)	-40 to 105

Core: Number of cores (Spec)	8
Core: Type	e6500
DUART	2
Ethernet Type	RGMII SGMII XAUI
External Memory Supported	DDR3 DDR3L SDRAM
GPIOs	32
I2C	4
L2 Cache (Max) (KB)	2000
L3 Cache (Max) (KB)	512
Operating Frequency (Max) (MHz)	1800
PCIe	4x Gen 2.0/3.0
Sample Exception Availability	Y
USB features	2 x USB 2.0 w Phy

Reliability Data Lookup

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