

B4860NXN7QUMD :Part Detail

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General Information

Part Number	B4860NXN7QUMD
Description	QorIQ Qonverge SoC, 6x1.2GHz Starcore DSP, 4x1.6GHz e6500 CPU, MAPLE-B3 accelerator, -40-105C
Product Line	G9164
PTI	NLQA
Material Type	Tested Packaged Device
Life Cycle Description (code)	PRODUCT STABLE GROWTH/MATURITY
Status	Active
Application/Qualification Tier	10-YEARS APPLICATION LIFE

Package Information

Package Type and Termination Count	FCPBGA 1020
Package Description and Mechanical Drawing	FCPBGA 1020 33*33*2 P1
Device Weight(g)	7.09730
Package Length (nominal)(mm)	33.000
Package Width (nominal)(mm)	33.000
Package Thickness (nominal)(mm)	2.000
Tape & Reel	No

Environmental and Compliance Information

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

Micron Size(μm)	.028
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Ordering Information

Minimum Package Quantity (MPQ)	24
MPQ Container	TRAY
Exempt from Minimum Delivery Value	No
Preferred Order Quantity (POQ)	120
POQ Container	BRICK
Export Control Classification Number (US)	3A991A1
Harmonized Tariff (
CCATS Document	-
ENC Status	-
Other Trade Compliance Documents	-
Budgetary Price excluding tax(US Currency	1000 @ US each

Order

Operating Characteristics

Accelerators	DPAA MAPLE-B Altivec SIMD unit
Additional Features	CPRI SRIO
Ambient Operating Temperature (Min-Max) (°C)	-40 to 105
Bus Frequency (Max) (MHz)	600
Cache (KB)	32
Core Type	SC3900 e6500
Core: Number of cores (Spec)	10
DUART	2
eSPI	1
External Bus Interface	PCI-Express
External Memory Supported	DDR3

	DDR3L
I2C	4
L2 Cache (Max) (KB)	8192
Operating Frequency (Max) (MHz)	1600
Sample Exception Availability	N
USB features	1 x USB 2.0

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