

P4080NSE1MMB Information

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


General Information

Parameter	Value
Part Number	P4080NSE1MMB
Description	P4080 Std Enc PbFr 1200/1200 Rev 2
Material Type	Tested Packaged Device
Life Cycle Description (code)	NOT RECOMMENDED(DECLINING)
Status	Not Recommended for New Design
Application/Qualification Tier	10-YEARS APPLICATION LIFE


Package Information

Parameter	Value
Package Type and Termination Count	FCPBGA 1295
Package Description and Mechanical Drawing	FCPBGA 1295 37.5SQ3.55P1
Device Weight(g)	13.97780
Package Length (nominal)(mm)	37.500
Package Width (nominal)(mm)	37.500
Package Thickness (nominal)(mm)	3.190
Maximum Height Above Board(mm)	3.530
Tape & Reel	No

Environmental and Compliance Information

Parameter	Value
Pb-Free	No
RoHS Compliant	
RoHS technical exemption(s)	15
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)	245
Maximum Time at Peak Temperature (s)	30
Number of Reflow Cycles	3
REACH SVHC	Freescale REACH Statement

Replacement Parts information for P4080NSE1MMB

Replacement Part	Replacement Type	Replacement Reason	Status	Device Sample Availability	Device Production Availability	Further Replacements	Replacement Part Details
P4080NSE7MMC	Same Form, Fit & Function, Pin-for-Pin Equivalent	Fabrication Site New Product Qualification Subcontractor Assembly Site Device Specification or Errata	Active	12 Apr 2013	01 Nov 2013	-	

Manufacturing Information

Parameter	Value
Micron Size(?m)	.04

Ordering Information

Parameter	Value
Minimum Package Quantity (MPQ)	1
MPQ Container	TRAY
Exempt from Minimum Delivery Value	No
Preferred Order Quantity (POQ)	105
POQ Container	BOX
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\$299.33 each
Order	Distributor

Product/Process Change Notice (PCN)

Number	Type	Title	Issue Date	Effectivity Date
15020	Product Bulletin	P4080 SGMII MAY FAIL LINK INITIALIZATION	19 Mar 2012	20 Mar 2012
15008	Product Bulletin	ESDHC Host May Not Detect SD Card Insertion/Removal Using DAT3 Signal	13 Feb 2012	14 Feb 2013

Operating Characteristics

Parameter	Value
Ambient Operating Temperature (Min-Max) (°C)	0 to 125
Bus Frequency (Max) (MHz)	600
Cache (KB)	32
Core: Number of cores (Spec)	8
Core: Type	e500mc
Device Production Availability	01 Nov 2013
Device Sample Availability	12 Apr 2013
Ethernet	3
Ethernet Type	1GBaseT SGMII
External Bus Interface	RapidIO-Serial
External Memory Supported	DDR3 DDR2
GPIOs	32
I2C	4
Junction Operating Temperature (Max) (°C)	105
L2 Cache (Max) (kB)	128
L3 Cache (Max) (kB)	2000
Operating Frequency (Max) (MHz)	1200
Sample Exception Availability	N
	8
	2
Serial Interface - Number of Serial Interfaces	1 4 2 3
Serial Interface - Serial Interface Type	SGMII USB SPI I2C UART Ethernet
SPI	1
UART	2
USB	2
USB features	USB 2.0

[Reliability Data Lookup](#)

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