

MC8641DTVU1333JC Information

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General Information

Parameter	Value
Part Number	MC8641DTVU1333JC
Description	G8,REV2.1,1.05V,-40/105C
Product Line	GGH8641D
PTI	NPAF
Material Type	Tested Packaged Device
Life Cycle Description (code)	REMOVED FROM ACTIVE PORTFOLIO
Status	Migration Complete. No Longer Manufactured. View PCN .
Application/Qualification Tier	10-YEARS APPLICATION LIFE

Package Information

Parameter	Value
Package Type and Termination Count	FCBGA 1023
Package Description and Mechanical Drawing	FCCBGA 1023 33SQ*1.2P1.0
Device Weight(g)	5.46250
Package Material	Ceramic
Mounting Style	Surface Mount
Package Length (nominal)(mm)	33.000
Package Width (nominal)(mm)	33.000
Package Thickness (nominal)(mm)	2.770
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	e2
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	Freescalereach.com

Replacement Parts information for MC8641DTVU1333JC

Replacement Part	Replacement Type	Replacement Reason	Status	Device Sample Availability	Device Production Availability	Further Replacements	Replacement Part Details
MC8641DTVU1333JE	Same Form & Fit, Different Function , Pin-for-Pin Equivalent	Fabrication Site Mask Set Revision (same fabrication site)	Migration in Process. View PCN	06 Aug 2009	06 Aug 2009	Contact Us	

Manufacturing Information

Parameter	Value
Micron Size(?m)	.09

Ordering Information

Parameter	Value
Last Order Date	07 Feb 2010
Last Ship Date	07 Aug 2010
Exempt from Minimum Delivery Value	Yes
Export Control Classification Number (US)	3A991
Harmonized Tariff (US) Disclaimer	8542.31.0000
CCATS Document	-
ENC Status	-
Other Trade Compliance Documents	-
Budgetary Price excluding tax(US\$) Change Currency	-
Order	

Product/Process Change Notice (PCN)

Number	Type	Title	Issue Date	Effectivity Date
13866A	Update Notification	UPDATE: REMOVING THERMAL DIODE SPECIFICATION FROM H/W SPEC. FOR A SELECT GROUP OF 90NM PRODUCTS AND ONE 130NM PRODUCT	24 Nov 2009	25 Nov 2009
13866	Product Bulletin	Removing Thermal Diode Specification from H/W Spec. for a Select Group of 90nm Products and One 130nm Product	17 Nov 2009	18 Nov 2009
13701A	Update Notification	MPC8641 AND MPC8640 REV 2.0 AND REV 2.1 MIGRATION TO REV 3.0: UPDATED LAST SHIP DATE	01 Sep 2009	01 Sep 2009
13701	Device Migration	MPC8641 and MPC8640 Rev 2.0 and Rev 2.1 Migration to Rev 3.0	12 Aug 2009	12 Aug 2009
13458	Product Change Notice	Implementation of a more robust assembly process for the MC8641D and MC8640D	17 Dec 2008	17 Mar 2009

Operating Characteristics

Parameter	Value
Cache (KB)	32
Communication Protocol	Ethernet
Core: Number of cores (Spec)	2
Core: Performance in MIPS	6398
Core: Type	e600
Device Production Availability	06 Aug 2009
Device Sample Availability	06 Aug 2009
Ethernet Type	MIIEthernet 1GBaseT
External Bus Interface	PCI-Express RapidIO-Serial
External Memory Supported	DDR2
Junction Operating Temperature (Max) (°C)	105
L2 Cache (Max) (kB)	1000
Operating Frequency (Max) (MHz)	1333
Power Dissipation (Max) (W)	34.1
Sample Exception Availability	N

[Reliability Data Lookup](#)

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