KMC7448THX1400ND :Part Detail

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General Information

Part Number	KMC7448THX1400ND
Description	A8,RV2.2.1,1.1V,-40/105C
Product Line	SGH7448
PTI	NTEA
Material Type	Tested Packaged Device
Life Cycle Description (code)	REMOVED FROM ACTIVE PORTFOLIO
Status	No Longer Manufactured
Application/Qualification Tier	10-YEARS APPLICATION LIFE

Package Information

Package Type and Termination Count	FCBGA 360
Package Description and Mechanical Drawing	FCCBGA 360 25SQ*2.8P1.27
Device Weight(g)	2.66870
Package Material	Ceramic
Mounting Style	Surface Mount
Package Length (nominal)(mm)	25.000
Package Width (nominal)(mm)	25.000
Package Thickness (nominal)(mm)	2.800
Tape & Reel	No

Environmental and Compliance Information

Pb-Free	No
RoHS Compliant	No
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

Moisture Sensitivity Level (MSL)	1
Floor Life	UNLIMITED
Peak Package Body Temperature (PPT)(°C)	260
Maximum Time at Peak Temperature (s)	40
Number of Reflow Cycles	3
REACH SVHC	NXP REACH Statement

Manufacturing Information

Micron Size(µm)	.09

Ordering Information

Exempt from Minimum Delivery Value	Yes
Export Control Classification Number (US)	3A991
Harmonized Tariff (	
CCATS Document	-
ENC Status	-
Other Trade Compliance Documents	-
Budgetary Price excluding tax(US 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
13427	Product Bulletin	MPC7448 System BUS Multiplier (7x/14x) Erratum	17 Dec 2008	18 Dec 2008
13214	Product Change Notice	MC7448 second source C4 Bump	06 May 2008	04 Aug 2008
12712	Product Change Notice	MC7448 SECOND SOURCE C4 BUMP PROCESSING	20 Jun 2007	18 Sep 2007

Operating Characteristics

Ambient Operating Temperature (Min-Max) (°C)	-40 to 105
Bus Frequency (Max) (MHz)	1400
Cache (KB)	32

Core Type	e600
Core: Number of cores (Spec)	1
External Bus Interface	MPX 60x
L2 Cache (Max) (KB)	1.064
Sample Exception Availability	N

Reliability Data Lookup

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