

MC68F375BGMZP33 Information

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General Information

Parameter	Value
Part Number	MC68F375BGMZP33
Description	32BIT 256KFLASH 8K+2KRAM
Product Line	SDUF701
PTI	JBKL
Material Type	Tested Packaged Device
Life Cycle Description (code)	NOT RECOMMENDED(DECLINING)
Status	Not Recommended for New Design
Application/Qualification Tier	AUTO; >=10 YEARS APPLICATION LIFE

Package Information

Parameter	Value
Package Type and Termination Count	PBGA 217
Package Description and Mechanical Drawing	PBGA 217 23*23*1.25P1.27
Device Weight(g)	2.16835
Package Material	Plastic
Mounting Style	Surface Mount
Package Length (nominal)(mm)	23.000
Package Width (nominal)(mm)	23.000
Package Thickness (nominal)(mm)	2.650
Tape & Reel	No

Environmental and Compliance Information

Parameter	Value
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)	Download RoHS CoA Report
Moisture Sensitivity Level (MSL)	3
Floor Life	168 HOURS
Peak Package Body Temperature (PPT)(°C)	220
Maximum Time at Peak Temperature (s)	30
Number of Reflow Cycles	3
REACH SVHC	Freescale REACH Statement
UL94 (plastics flammability test)	V0: Burning stops within 10 seconds on a vertical specimen; no drips allowed

Replacement Parts information for MC68F375BGMZP33

Replacement Part	Replacement Type	Replacement Reason	Status	Device Sample Availability	Device Production Availability	Further Replacements	Replacement Part Details
MC68F375BGMVR33	-	REGULATORY OR LEGAL CHANGE	No Longer Manufactured	03 Mar 2006	03 Mar 2006	No Replacement	↗

Manufacturing Information

Parameter	Value
Micron Size(?m)	.38

Ordering Information

Parameter	Value
Minimum Package Quantity (MPQ)	300
MPQ Container	BRICK
Exempt from Minimum Delivery Value	No
Preferred Order Quantity (POQ)	300
POQ Container	BRICK
Leadtime (weeks)	12
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	1 @ US\$51.46 each
Order	Distributor

Product/Process Change Notice (PCN)

Number	Type	Title	Issue Date	Effectivity Date
15066	Product Bulletin	PBGA- Relief Notch Removal	08 Mar 2012	10 Mar 2012
13601	Product Change Notice	FSL (MSG) Transition of Substrate Supplier	10 Jul 2009	13 Nov 2009
P13462	Product Alert	MSG TRANSITION OF PBGA SUBSTRATE SUPPLIER	10 Dec 2008	10 Dec 2008
11342	Update Notification	UPDATE TO TSPG BAT3 PROBE EXPANSION	31 Aug 2005	27 Sep 2005
11262	Product Change Notice	TSPG BAT3 PROBE EXPANSION	19 Aug 2005	17 Nov 2005
11122	Product Change Notice	TSPG BAT3 PROBE EXPANSION	07 Jul 2005	05 Oct 2005
10742	Product Bulletin	KLM PACKING CHANGE FOR TRAY DEVICES	28 Mar 2005	02 Apr 2005
9048	Product Bulletin	TIC SUPPORT FOR QUALITY QUERIES IN EMEA	04 Aug 2003	05 Aug 2003

Operating Characteristics

Parameter	Value
ADC (bit)	10
ADC (ch)	16
Ambient Operating Temperature (Min-Max) (°C)	-40 to 125
Bus Frequency (Max) (MHz)	16
Chip Selects	9
Device Production Availability	03 Mar 2006
Device Sample Availability	03 Mar 2006
External Memory Supported	FLASH
GPIOs	48
I/O Operating Voltage (Max) (V)	5
Internal Flash (KB)	256
Internal RAM (KB)	10
Sample Exception Availability	N
Serial Interface - Serial Interface Type	CAN SCI SPI
Timer Features	TPU
Timers - Timer Channels	16

[Reliability Data Lookup](#)

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