

MC68F375BGMVR33 Information

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General Information

Parameter	Value
Part Number	MC68F375BGMVR33
Description	32BIT 256KFLASH 8K+2KRAM
Product Line	GDUF701
PTI	JBKL
Material Type	Tested Packaged Device
Life Cycle Description (code)	REMOVED FROM ACTIVE PORTFOLIO
Status	No Longer Manufactured
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)	2.04185
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	
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
2nd Level Interconnect	e1
Moisture Sensitivity Level (MSL)	3
Floor Life	168 HOURS
Peak Package Body Temperature (PPT)(°C)	260
Maximum Time at Peak Temperature (s)	40
Number of Reflow Cycles	3
REACH SVHC	Freescle REACH Statement
UL94 (plastics flammability test)	V0: Burning stops within 10 seconds on a vertical specimen; no drips allowed

Manufacturing Information

Parameter	Value
Micron Size(?m)	.38

Ordering Information

Parameter	Value
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	-
Device Sample Availability	03 Mar 2006
Device Production Availability	03 Mar 2006
Order	

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

Operating Characteristics

Parameter	Value
Ambient Operating Temperature (Min-Max) (°C)	-40 to 125
Bus Frequency (Max) (MHz)	16
Chip Selects	9
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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