

MC56F8027VLD Information

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General Information

Parameter	Value
Part Number	MC56F8027VLD
Description	16 BIT DSPHC - ANGUILLA BLUE
Product Line	GS568027
PTI	MCVB
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	QFP 64
Package Description and Mechanical Drawing	LQFP 64 10*10*1.4P0.5
Device Weight(g)	.34655
Package Material	Plastic
Mounting Style	Surface Mount
Package Length (nominal)(mm)	10.000
Package Width (nominal)(mm)	10.000
Package Thickness (nominal)(mm)	1.400
Maximum Height Above Board(mm)	1.600
Tape & Reel	No

Environmental and Compliance Information

Parameter	Value
Pb-Free	
RoHS Compliant	
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	e3
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	Freescale 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)	.25

Ordering Information

Parameter	Value
Last Order Date	02 Jun 2010
Last Ship Date	02 Jun 2011
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
15996	Product Change Notice	MC56F802/3XXXX CU WIRE ASE QUAL	25 Mar 2014	18 Jun 2014
13646	Product Bulletin	DSC MC56F802x and MC56F803x TEST SITE TRANSFER FROM ASECL TO FSL-TJN-FM	15 Jun 2009	16 Jun 2009
13544	Device Migration	Device Migration from MC56F8027VLD to MC56F8027VLH	02 Jun 2009	02 Jun 2009
13531	Product Change Notice	MC56F802X & MC56F803X Devices 4M67E New Maskset Qualification for Production Release	09 Apr 2009	08 Jul 2009

Operating Characteristics

Parameter	Value
Additional Features	Watchdog OSC/Timer POR PLL Low Voltage Detect Internal Clock Generator COP Analog Comparator
Ambient Operating Temperature (Min-Max) (°C)	-40 to 105
Core: Operating Voltage (Spec) (V)	2.5
Debug & Trace	JTAG On-Chip Emulation
GPIOs	53
Internal Flash (KB)	32
Internal RAM (KB)	4
Operating Frequency (Max) (MHz)	32
Sample Exception Availability	N
Serial Interface - Number of Serial Interfaces	2 1 2 1 1
Serial Interface - Serial Interface Type	SCI LIN SPI CAN I2C
Timer Features	Realtime Interrupts PWM Input Capture
Timers - Number of Timers	2
Timers - Timer Channels	8
Timers - Timer Size (bit)	16

[Reliability Data Lookup](#)

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