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General Information

Parameter	Value
Part Number	S908GZ60E1MFAE
Description	8 BIT MCU WITH 60K FLASH
Material Type	Tested Packaged Device
Life Cycle Description (code)	NOT RECOMMENDED(DECLINING)
Status	Not Recommended for New Design
Application/Qualification Tier	COMMERCIAL, INDUSTRIAL, AUTOMOTIVE

Package Information

Parameter	Value
Package Description and Mechanical Drawing	LQFP 48 7*7*1.4P0.5
Device Weight (g)	.17825
Pin/Lead/Ball Count	48
Package Material	Plastic
Mounting Style	Surface Mount
Package Length (nominal) (mm)	7.000
Package Width (nominal) (mm)	7.000
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)	Contact Us
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 (µm)	.5

Ordering Information

Parameter	Value
Minimum Package Quantity (MPQ)	250
MPQ Container	TRAY
Preferred Order Quantity (POQ)	1250
POQ Container	BRICK
Export Control Classification Number (US)	EAR99
Harmonized Tariff (US) Disclaimer	8542.31.0000
Budgetary Price(\$US)	
Order	

Operating Characteristics

Parameter	Value
Additional Features	COP KBI Low Voltage Detect POR Real-Time Clock
Bus Frequency (Max)(MHz)	8
CAN	MSCAN08 CAN 2.0 A/B
Core: Type	HC08
Device Type	MCU
Internal Flash (kByte)	60
Internal RAM (kByte)	2
Sample Exception Availability	N
Serial Interface - Number of Interfaces	1 1 1
Serial Interface - Type	SPI SCI CAN
Supply Voltage (Min-Max)(V)	3 to 5.5
Timer Features	Input Capture Output Compare PWM
Timers - Channels	2 6
Timers - Number of Timers	1 1
Timers - Size (bit)	16 16