

MC9S08PA60VLH Information

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General Information

Parameter	Value
Part Number	MC9S08PA60VLH
Description	8 BIT,HCS08L Core, 60k Flash
Product Line	G9FZPT61
PTI	JDTK
Material Type	Tested Packaged Device
Life Cycle Description (code)	PRODUCT RAPID GROWTH
Status	Active
Application/Qualification Tier	COMMERCIAL, INDUSTRIAL

Package Information

Parameter	Value
Package Description and Mechanical Drawing	LQFP 64 10*10*1.4P0.5
Device Weight (g)	.34655
Pin/Lead/Ball Count	64
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

Manufacturing Information

Parameter	Value
Micron Size (µm)	.18

Ordering Information

Parameter	Value
Minimum Package Quantity (MPQ)	160
MPQ Container	TRAY
Preferred Order Quantity (POQ)	800
POQ Container	BOX
Export Control Classification Number (US)	3A991
Harmonized Tariff (US) Disclaimer	8542.31.0000

Operating Characteristics

Parameter	Value
A/D Converter - Bits (bit)	12
A/D Converter - Channels	16
Additional Features	Internal Clock Generator Low Voltage Detect POR
Ambient Operating Temperature (Min-Max) (°C)	-40 to 105
Bus Frequency (Max) (MHz)	0.02
Core: Type	S08

Device Type	MCU
EEPROM (kByte)	256
I/O Pins	57
Internal Flash (kByte)	60
Internal RAM (kByte)	4
Sample Exception Availability	Y
Serial Interface - Number of Interfaces	3
	2
	1
Serial Interface - Type	SCI
	SPI
	I2C
Supply Voltage (Min-Max) (V)	2.7 to 5.5