

## 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
<a href="#">Life Cycle Description (code)</a>	PRODUCT RAPID GROWTH
Status	Active
<a href="#">Application/Qualification Tier</a>	COMMERCIAL, INDUSTRIAL

### Package Information

Parameter	Value
Package Description and Mechanical Drawing	<a href="#">LQFP 64 10*10*1.4P0.5</a>
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
<a href="#">Pb-Free</a>	
<a href="#">RoHS Compliant</a>	

<b>Halogen Free</b>	Yes
<b>Material Composition Declaration (MCD)</b>	<a href="#">Download MCD Report</a>  <a href="#">Download MCD Report</a> 
RoHS Certificate of Analysis (CoA)	<a href="#">Download RoHS CoA Report</a>
<b>2nd Level Interconnect</b>	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	<a href="#">Freescale REACH Statement</a>

### 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) <a href="#">Disclaimer</a>	8542.31.0000

### Operating Characteristics

Parameter	Value
<b>A/D Converter</b> - Bits (bit)	12
<b>A/D Converter</b> - 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
<b>Serial Interface</b> - Number of Interfaces	3 2 1
<b>Serial Interface</b> - Type	SCI SPI I2C
Supply Voltage (Min-Max) (V)	2.7 to 5.5