

S9S08SG4E2VTJ Information

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General Information

Parameter	Value
Part Number	S9S08SG4E2VTJ
Description	9S08 UC W/ 4K 0.25UM SGF
Product Line	G9TZSG8B
PTI	JDTS
Material Type	Tested Packaged Device
Life Cycle Description (code)	PRODUCT NEWLY INTRO D/RAMPJP(1)
Status	Active

Package Information

Parameter	Value
Package Description	TSSOP 20 4.4*6.5*1.P.65
JEDEC Pkg Description	TS-PDSO-G20
Pin/Lead/Ball Count	20
Package Material	Plastic
Mounting Style	Surface Mount
Tape & Reel	No

Environmental and Compliance Information

Parameter	Value
Pb-Free	
RoHS Compliant	
Halogen Free	Yes
Product Content Report	Product Content Report
RoHS CoA	Contact Us
2nd Level Interconnect	e3
Moisture Sensitivity Level (MSL)	3
Floor Life	168 HOURS
Package Peak Temperature (°C)	260

Manufacturing and Qualification information

Parameter	Value
Micron Size (µm)	.25
Application/Qualification Tier	COMMERCIAL, INDUSTRIAL, AUTOMOTIVE

Ordering Information

Parameter	Value
Minimum Package Quantity (MPQ)	75
MPQ Container	RAIL
Preferred Order Quantity (POQ)	2250
POQ Container	BOX
Export Control Classification Number (US)	EAR99
Harmonized Tariff (US Disclaimer)	8542.31.0000
Budgetary Price QTY 1000+ (\$US)	-

Operating Characteristics

Parameter	Value
8-bit Product Family	SG
A/D Converter - Bits (bit)	10
A/D Converter - Channels	12
A/D Converter Y/N	Yes
Additional Features	Temperature Sensor Real-Time Clock POR Low Voltage Detect KBI Internal Clock Generator ICE COP Analog Comparator
Ambient Operating Temperature (Ta) (Max) (°C)	105
Ambient Operating Temperature (Ta) (Min) (°C)	-40
Bus Frequency (Max) (MHz)	20
Core - Number of Cores (Spec)	1
Core - Operating Frequency (Max) (MHz)	40
Core - Type	HCS08
EEPROM (Byte)	0
EPROM (Byte)	0
External Interrupts	8
I/O Pins	16
Internal Flash (Byte)	4000
Internal RAM (Byte)	256
OTPROM (Byte)	0
Serial Interface - Number of Interfaces	1 1 1
Serial Interface - Type	SCI SPI I2C
Standby Function	STOP WAIT
Supply Current (Max) (mA)	1.5
Supply Current (Typ) (mA)	1.1
Supply Voltage (Max) (V)	5.5
Supply Voltage (Min) (V)	2.7
Supply Voltage (Typ) (V)	5
Timer	Input Capture Output Compare PWM Realtime Interrupts
Timers - Channels	2 1
Timers - Number of Timers	2 1
Timers - Size (bit)	16 8
Total Cores (Spec)	1