

MC9S08QE128CLHR Information

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General Information

Parameter	Value
Part Number	MC9S08QE128CLHR
Description	8 BIT, 128K FLASH
Product Line	G9FZQE22
PTI	JDTE
Material Type	Tested Packaged Device
Life Cycle Description (code)	REMOVED FROM ACTIVE PORTFOLIO
Status	No Longer Manufactured
Application/Qualification Tier	10-YEARS APPLICATION LIFE

Package Information

Parameter	Value
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	Yes

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	Freescalse 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
Exempt from Minimum Delivery Value	Yes
Export Control Classification Number (US)	EAR99
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
14277	Product Bulletin	MC9S08QE128 COLD & HOT TEST ELIMINATION	26 Aug 2010	27 Aug 2010

Operating Characteristics

Parameter	Value
Additional Features	Analog Comparator COP
Ambient Operating Temperature (Min-Max) (°C)	-40 to 85
Bus Frequency (Max) (MHz)	25
Core: Type	S08
GPIOs	54
Internal Flash (KB)	128
Internal RAM (KB)	8
Operating Frequency (Max) (MHz)	50
Sample Exception Availability	N
Serial Interface - Number of Serial Interfaces	2
	2
	2
Serial Interface - Serial Interface Type	SCI SPI I2C
Supply Voltage (Min-Max) (V)	1.8 to 3.6
Timer Features	Input Capture Output Compare PWM
Timers - Number of Timers	2
	1
Timers - Timer Channels	3
	6
Timers - Timer Size (bit)	16
	16

[Reliability Data Lookup](#)

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