

S9S08DZ128F2MLF Information[Product Summary Page](#)

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General Information

Parameter	Value
Part Number	S9S08DZ128F2MLF
Description	8-bit MCU, S08 core, 128KB Flash, 40MHz, -40/+125degC, Automotive Qualified, QFP 48
Product Line	G9FDZ28C
PTI	JDTD
Material Type	Tested Packaged Device
Life Cycle Description (code)	PRODUCT MATURITY/SATURATION
Status	Active
Application/Qualification Tier	AUTO; >=10 YEARS APPLICATION LIFE

Package Information

Parameter	Value
Package Type and Termination Count	LQFP 48
Package Description and Mechanical Drawing	LQFP 48 7*7*1.4P0.5
Device Weight(g)	.17825
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
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
UL94 (plastics flammability test)	V0: Burning stops within 10 seconds on a vertical specimen; no drips allowed

Manufacturing Information

Parameter	Value
Micron Size(μm)	.25

Ordering Information

Parameter	Value
Minimum Package Quantity (MPQ)	1250
MPQ Container	BRICK

Exempt from Minimum Delivery Value	No
Preferred Order Quantity (POQ)	1250
POQ Container	BRICK
Leadtime (weeks)	12
Export Control Classification Number (US)	3A991
Harmonized Tariff (US) Disclaimer	8542.31.0000
CCATS Document	-
ENC Status	-
Other Trade Compliance Documents	-
Budgetary Price excluding tax(US\$) Change Currency	1 @ US\$4.27 each
Order	<div style="text-align: center;">  Check Sample Availability </div>

Product/Process Change Notice (PCN)

Number	Type	Title	Issue Date	Effectivity Date
15880	Product Change Notice	S9S08AW16A/AW60/DZ60/DZ128/QD4 Burn-In Site Expansion to Trio Tech, Tianjin China (TTTJ)	26 Nov 2013	25 May 2014
15932	Product Change Notice	S08DZ60 (32ld) S08DZ128 (48ld) Copper Wire Qualification	06 Nov 2013	06 Nov 2013
14161A	Update Notification	S9S08DZ128 AUTO PARTS ROOM TEST ELIMINATION	22 Jun 2010	06 Jul 2010
14161	Product Change Notice	S9S08DZ128 Auto Parts Room Test Elimination	21 Jun 2010	07 Nov 2010
14098	Product Change Notice	9S08DZ60/DZ128/AC16/LG32/EL32/SG32/QD4 and HC908GR8/GZ16/GZ60/EY16/EY16A/HC08GZ32 KES-CHINA Burn-in Site Capacity Expansion	29 Apr 2010	25 Oct 2010

Operating Characteristics

Parameter	Value
ADC (bit)	12
ADC (ch)	16
Additional Features	Internal Voltage Regulator COP Analog Comparator POR Temperature Sensor Low Voltage Detect
Ambient Operating Temperature (Min-Max) (°C)	-40 to 125
Bus Frequency (Max) (MHz)	20
CAN	1
CAN Type	CAN 2.0 A/B
Core: Type	S08
EEPROM (KB)	2
GPIOs	40
I2C	1
Internal Flash (KB)	128
Internal RAM (KB)	8
Operating Frequency (Max) (MHz)	20
Sample Exception Availability	Y
SCI	2
	1
Serial Interface - Number of Serial Interfaces	1 1 2 1
Serial Interface - Serial Interface Type	CAN I2C SCI SPI
SPI	1
Supply Voltage (Min-Max) (V)	2.7 to 5.5
Timer Features	Watchdog PWM Input Capture Output Compare

Timer type	Real Time Clock
Timers - Number of Timers	1 1
Timers - Timer Channels	6 2
Timers - Timer Size (bit)	16 16

[Reliability Data Lookup](#)