



NXP Semiconductors / Freescale

## MC9S08DN32MLH

Part Number:	MC9S08DN32MLH
Manufacturer/Brand:	NXP Semiconductors / Freescale
Product description:	IC MCU 8BIT 32KB FLASH 64LQFP
Datasheets:	<a href="#">1.MC9S08DN32MLH.pdf</a> <a href="#">2.MC9S08DN32MLH.pdf</a> <a href="#">3.MC9S08DN32MLH.pdf</a>
RoHS Status:	Lead free / RoHS Compliant
Ship From:	Hong Kong
Shipment Way:	DHL/Fedex/TNT/UPS/EMS

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Image may be representation. See specifications for product details.

### Specifications of MC9S08DN32MLH

PART NUMBER	MC9S08DN32MLH
MANUFACTURER	NXP Semiconductors / Freescale
DESCRIPTION	IC MCU 8BIT 32KB FLASH 64LQFP
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
DATA SHEET	<a href="#">1.MC9S08DN32MLH.pdf</a> <a href="#">2.MC9S08DN32MLH.pdf</a> <a href="#">3.MC9S08DN32MLH.pdf</a>
VOLTAGE - SUPPLY (VCC/VDD)	2.7 V ~ 5.5 V
SUPPLIER DEVICE PACKAGE	64-LQFP (10x10)
SPEED	40MHz
SERIES	S08
RAM SIZE	1.5K x 8
PROGRAM MEMORY TYPE	FLASH
PROGRAM MEMORY SIZE	32KB (32K x 8)
PERIPHERALS	LVD, POR, PWM, WDT
PACKAGING	Tray
PACKAGE / CASE	64-LQFP
OSCILLATOR TYPE	External
OPERATING TEMPERATURE	-40°C ~ 125°C (TA)
NUMBER OF I/O	53
MOISTURE SENSITIVITY LEVEL (MSL)	3 (168 Hours)
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
EEPROM SIZE	1K x 8
DETAILED DESCRIPTION	S08 S08 Microcontroller IC 8-Bit 40MHz 32KB (32K x 8) FLASH 64-LQFP (10x10)
DATA CONVERTERS	A/D 16x12b
CORE SIZE	8-Bit
CORE PROCESSOR	S08
CONNECTIVITY	I <sup>2</sup> C, LINbus, SCI, SPI
BASE PART NUMBER	MC9S08DN32

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