

S9S12G48F1MLC



Part Number: [S9S12G48F1MLC](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MCU 16BIT 48KB FLASH 32LQFP

Data sheet:  [S12G Family Fact Sheet](#)
 [MC9S12G Family Datasheet](#)

RoHs Status: Lead free / RoHS Compliant

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PRODUCT PARAMETER			
Part Number	S9S12G48F1MLC	Manufacturer	NXP Semiconductors / Freescale
Description	IC MCU 16BIT 48KB FLASH 32LQFP	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	35286 pcs	Data sheet	S12G Family Fact Sheet MC9S12G Family Datasheet
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	3.13 V ~ 5.5 V
Supplier Device Package	32-LQFP (7x7)	Speed	25MHz
Series	HCS12	RAM Size	4K x 8
Program Memory Type	FLASH	Program Memory Size	48KB (48K x 8)
Peripherals	LVD, POR, PWM, WDT	Packaging	Tray
Package / Case	32-LQFP	Other Names	568-13561 935317781557 S9S12G48F1MLC-ND
Oscillator Type	Internal	Operating Temperature	-40°C ~ 125°C (TA)
Number of I/O	26	Moisture Sensitivity Level (MSL)	3 (168 Hours)
Manufacturer Standard Lead Time	14 Weeks	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
EEPROM Size	1.5K x 8	Detailed Description	12V1 HCS12 Microcontroller IC 16-Bit 25MHz 48KB (48K x 8) FLASH 32-LQFP (7x7)
Data Converters	A/D 12x10b	Core Size	16-Bit
Core Processor	12V1	Connectivity	CANbus, IrDA, LINbus, SCI, SPI
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