

MC9S12C128MFA

Part Number: [MC9S12C128MFA](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MCU 16BIT 128KB FLASH 48LQFP

Data sheet: [MC9S12C,GC Family](#)
 [MC9S12C32 Fact Sheet](#)
 [MC9S12C32 Prod Brief](#)

RoHs Status: Contains lead / RoHS non-compliant

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PRODUCT PARAMETER			
Part Number	MC9S12C128MFA	Manufacturer	NXP Semiconductors / Freescale
Description	IC MCU 16BIT 128KB FLASH 48LQFP	Lead Free Status / RoHS Status	Contains lead / RoHS non-compliant
Quantity Available	3988 pcs	Data sheet	MC9S12C,GC Family MC9S12C32 Fact Sheet MC9S12C32 Prod Brief
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	2.35 V ~ 5.5 V
Supplier Device Package	48-LQFP (7x7)	Speed	25MHz
Series	HCS12	RAM Size	4K x 8
Program Memory Type	FLASH	Program Memory Size	128KB (128K x 8)
Peripherals	POR, PWM, WDT	Packaging	Tray
Package / Case	48-LQFP	Other Names	Q2048030 Q2351599
Oscillator Type	Internal	Operating Temperature	-40°C ~ 125°C (TA)
Number of I/O	31	Moisture Sensitivity Level (MSL)	3 (168 Hours)
Lead Free Status / RoHS Status	Contains lead / RoHS non-compliant	EEPROM Size	-
Detailed Description	HCS12 HCS12 Microcontroller IC 16-Bit 25MHz 128KB (128K x 8) FLASH 48-LQFP (7x7)	Data Converters	A/D 8x10b
Core Size	16-Bit	Core Processor	HCS12
Connectivity	CANbus, EBI/EMI, SCI, SPI	Base Part Number	MC9S12C128
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