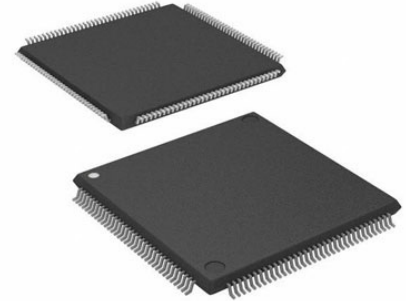


512K FLASH HCS12X MCU, Microcontrollers (MCU) 512K FLASH HCS12X MCU

Manufacturers	NXP Semiconductor
Package/Case	144-LQFP
Product Type	Embedded Processors & Controllers
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for MC9S12XDT256CAG or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

MC9S12XDT256CAG is a microcontroller unit (MCU) developed by NXP Semiconductors, formerly Freescale Semiconductor. It is based on the HCS12X core and is part of the S12X family of 16-bit MCUs.

Features

Operating frequency up to 50 MHz

256 KB flash memory

12 KB RAM

2 KB EEPROM

16-bit timer module with up to 16 channels

12-bit analog-to-digital converter (ADC)

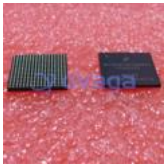
CAN 2.0B interface

SPI, I2C, and SCI (UART) interfaces

112 general-purpose I/O pins

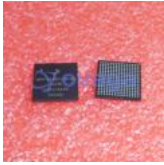
Operating voltage range of 2.35V to 5.5V

Related Products



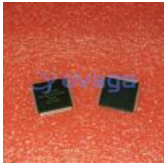
[MCIMX6Y2CVM08AA](#)

NXP Semiconductor
MAPBGA-289



[MCF5253CVM140](#)

NXP Semiconductor
BGA-225



[MCF52223CAF80](#)

NXP Semiconductor
100-LQFP



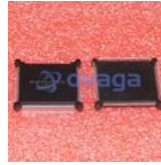
[MC9S12DG128MFUE](#)

NXP Semiconductor
QFP-80



[MC68302CEH20C](#)

NXP Semiconductor
PQFP-132



[MC68332ACEH20](#)

NXP Semiconductor
QFP132



[MC9S12DP512VPVE](#)

NXP Semiconductor
LQFP-112



[MC9S08GT8AMFBE](#)

NXP Semiconductor
QFP-44