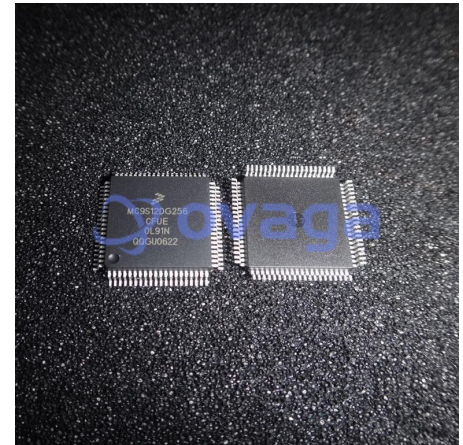


Microcontroller, HCS12 Family S12D Series Microcontrollers, HCS12, 16bit, 25 MHz, 256 KB, 12 KB

Manufacturers	NXP Semiconductor
Package/Case	QFP-80
Product Type	Embedded Processors & Controllers
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for MC9S12DG256CFUE or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

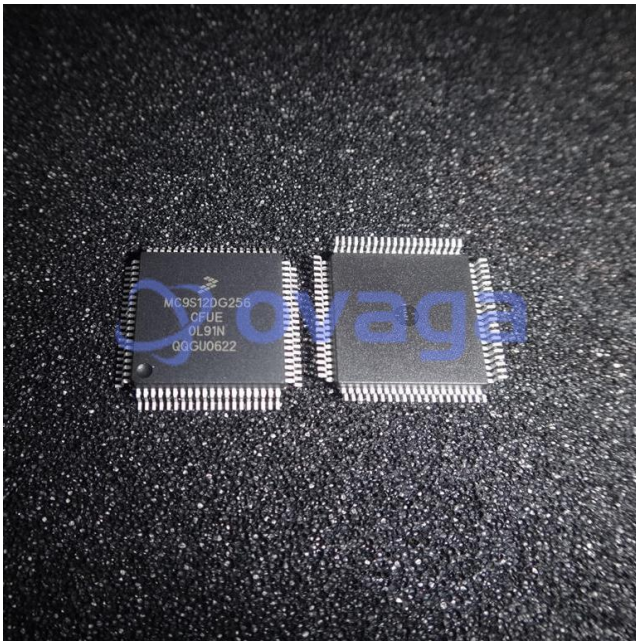
MC9S12DG256CFUE is a microcontroller from the 9S12 family of Freescale Semiconductor (now NXP Semiconductors) based on the 16-bit HCS12 architecture.

Features

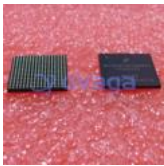
- 256 KB flash memory
- 12 KB RAM memory
- 8-channel, 10-bit ADC (analog-to-digital converter)
- 4-channel PWM (pulse-width modulation)
- SCI (serial communication interface)
- SPI (serial peripheral interface)
- CAN (controller area network) interface
- I2C (Inter-Integrated Circuit) bus interface
- 40 MHz bus frequency
- 112 general-purpose I/O pins

Application

- MC9S12DG256B
- MC9S12DG256C
- MC9S12DJ256C
- MC9S12DT256C
- MC9S12DG256CAA
- MC9S12DJ256CAA



Related Products



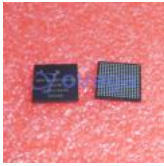
[MCIMX6Y2CVM08AA](#)

NXP Semiconductor
MAPBGA-289



[MC68302CEH20C](#)

NXP Semiconductor
PQFP-132



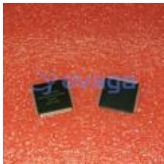
[MCF5253CVM140](#)

NXP Semiconductor
BGA-225



[MC68332ACEH20](#)

NXP Semiconductor
QFP132



[MCF52223CAF80](#)

NXP Semiconductor
100-LQFP



[MC9S12DP512VPVE](#)

NXP Semiconductor
LQFP-112



[MC9S12DG128MFUE](#)

NXP Semiconductor
QFP-80



[MC9S08GT8AMFBE](#)

NXP Semiconductor
QFP-44