

MCS12KG256MFUE



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Part Number: [MCS12KG256MFUE](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MCU 16BIT 256KB FLASH 80QFP

Data sheet:  [MC9S12KT256](#)

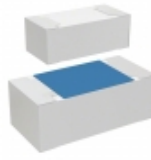
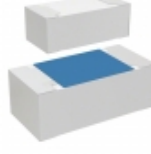
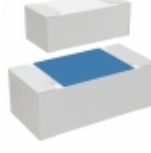
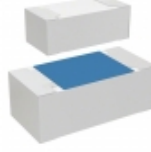
RoHs Status: Lead free / RoHS Compliant

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PRODUCT PARAMETER			
Part Number	MCS12KG256MFUE	Manufacturer	NXP Semiconductors / Freescale
Description	IC MCU 16BIT 256KB FLASH 80QFP	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	4121 pcs	Data sheet	MC9S12KT256
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	2.35 V ~ 5.5 V
Supplier Device Package	80-QFP (14x14)	Speed	25MHz
Series	HCS12	RAM Size	12K x 8
Program Memory Type	FLASH	Program Memory Size	256KB (256K x 8)
Peripherals	LVD, POR, PWM, WDT	Packaging	Tray
Package / Case	80-QFP	Oscillator Type	Internal
Operating Temperature	-40°C ~ 125°C (TA)	Number of I/O	59
Moisture Sensitivity Level (MSL)	3 (168 Hours)	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
EEPROM Size	4K x 8	Detailed Description	HCS12 HCS12 Microcontroller IC 16-Bit 25MHz 256KB (256K x 8) FLASH 80-QFP (14x14)
Data Converters	A/D 8x10b	Core Size	16-Bit
Core Processor	HCS12	Connectivity	CANbus, EBI/EMI, I ² C, SCI, SPI
Base Part Number	MCS12KG256		
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	Part#: MCS12KG256CFUE Description: IC MCU 16BIT 256KB FLASH 80QFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCS12GC64MFUE Description: IC MCU 16BIT 64KB FLASH 80QFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
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	Part#: MCS12KG256VFUE Description: IC MCU 16BIT 256KB FLASH 80QFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCS1632R020FER Description: RES 0.02 OHM 1% 1W 1632	Manufacturers: Ohmite	RFQ
	Part#: MCS1632R050FER Description: RES 0.05 OHM 1% 1W 1632	Manufacturers: Ohmite	RFQ
	Part#: MCS0402UD8251BE100 Description: RES 8.25K OHM 0.1% 1/10W 0402	Manufacturers: Electro-Films (EFI) / Vishay	RFQ
	Part#: MCS12KG256CPVE Description: IC MCU 16BIT 256KB FLASH 112LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCS12GC64CFUE Description: IC MCU 16BIT 64KB FLASH 80QFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCS1632R030FER Description: RES 0.03 OHM 1% 1W 1632	Manufacturers: Ohmite	RFQ
	Part#: MCS1632R025FER Description: RES 0.025 OHM 1% 1W 1632	Manufacturers: Ohmite	RFQ
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	Part#: MCS1632R010FER Description: RES 0.01 OHM 1% 1W 1632	Manufacturers: Ohmite	RFQ
	Part#: MCS0402UD5900BE100 Description: RES 590 OHM 0.1% 1/10W 0402	Manufacturers: Electro-Films (EFI) / Vishay	RFQ
	Part#: MCS12KG256VPVE Description: IC MCU 16BIT 256KB FLASH 112LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCS12GC64VFUE Description: IC MCU 16BIT 64KB FLASH 80QFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCS12KG256MPVE Description: IC MCU 16BIT 256KB FLASH 112LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
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