

MCF51EM256CLL



Part Number: [MCF51EM256CLL](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MCU 32BIT 256KB FLASH 100LQFP

Data sheet:  [MCF51EM256 Series](#)
 [MCF51EM256 Series Ref Manual](#)
 [MCF51EM Fact Sheet](#)

RoHs Status: Lead free / RoHS Compliant

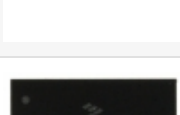
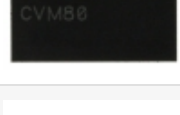
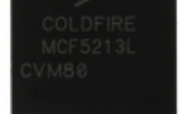
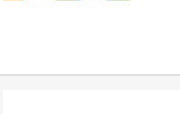
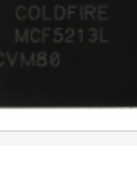
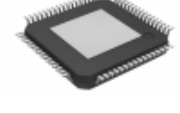
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PRODUCT PARAMETER			
Part Number	MCF51EM256CLL	Manufacturer	NXP Semiconductors / Freescale
Description	IC MCU 32BIT 256KB FLASH 100LQFP	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	17368 pcs	Data sheet	MCF51EM256 Series MCF51EM256 Series Ref Manual MCF51EM Fact Sheet
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	1.8 V ~ 3.6 V
Supplier Device Package	100-LQFP (14x14)	Speed	50MHz
Series	MCF51EM	RAM Size	16K x 8
Program Memory Type	FLASH	Program Memory Size	256KB (256K x 8)
Peripherals	LCD, LVD, PWM, WDT	Packaging	Tray
Package / Case	100-LQFP	Other Names	935314245557
Oscillator Type	External	Operating Temperature	-40°C ~ 85°C (TA)
Number of I/O	63	Moisture Sensitivity Level (MSL)	3 (168 Hours)
Manufacturer Standard Lead Time	10 Weeks	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
EEPROM Size	-	Detailed Description	Coldfire V1 MCF51EM Microcontroller IC 32-Bit 50MHz 256KB (256K x 8) FLASH 100-LQFP (14x14)
Data Converters	A/D 16x12b	Core Size	32-Bit
Core Processor	Coldfire V1	Connectivity	I ² C, SCI, SPI
Base Part Number	MCF51EM256		
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	Part#: MCF51AG96VLH Description: IC MCU 32BIT 96KB FLASH 64LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
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	Part#: MCF51JE256CLK Description: IC MCU 32BIT 256KB FLASH 80LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCF51CN128CLK Description: IC MCU 32BIT 128KB FLASH 80LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCF51JE256CML Description: IC MCU 32BIT 256KB FLASH 104BGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCF51AG96VLK Description: IC MCU 32BIT 96KB FLASH 80LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCF51JE128CMB Description: IC MCU 32BIT 128KB FLASH 81BGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCF51EM128CLL Description: IC MCU 32BIT 128KB FLASH 100LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCF51JE256CMB Description: IC MCU 32BIT 256KB FLASH 81BGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCF51JE128VLK Description: IC MCU 32BIT 128KB FLASH 80LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCF51JE128CLK Description: IC MCU 32BIT 128KB FLASH 80LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCF51JE256VLK Description: IC MCU 32BIT 256KB FLASH 80LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCF51EM128CLK Description: IC MCU 32BIT 128KB FLASH 80LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCF51EM256CLLR Description: MCF51EM 32-BIT MCU, COLDFIRE V1	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCF51JE128VMB Description: IC MCU 32BIT 128KB FLASH 81BGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCF51AG96VLF Description: IC MCU 32BIT 96KB FLASH 48LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCF51AG96VQH Description: IC MCU 32BIT 96KB FLASH 64QFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCF51EM256CLK Description: IC MCU 32BIT 256KB FLASH 80LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCF51JE256CLL Description: IC MCU 32BIT 256KB FLASH 100LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCF51CN128CGT Description: IC MCU 32BIT 128KB FLASH 48QFN	Manufacturers: NXP Semiconductors / Freescale	RFQ

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