

EFM8BB31F16A-B-4QFN24R



SILICON LABS



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Part Number: [EFM8BB31F16A-B-4QFN24R](#)

Manufacturer: [Energy Micro \(Silicon Labs\)](#)

Description: EFM8 8051 8-BIT MCU, AEC-Q100, A

Data sheet:  [EFM8BB3 Datasheet](#)

RoHs Status: Lead free / RoHS Compliant

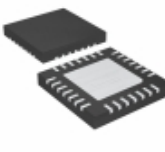
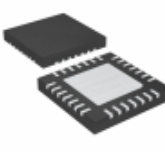
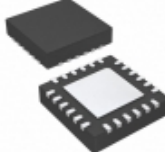
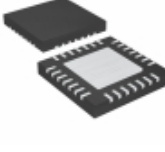
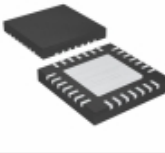
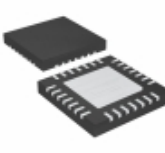
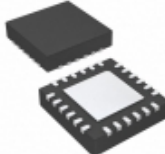
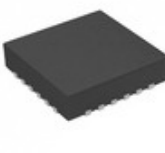
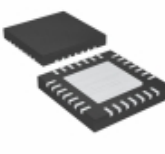
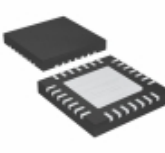
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PRODUCT PARAMETER			
Part Number	EFM8BB31F16A-B-4QFN24R	Manufacturer	Energy Micro (Silicon Labs)
Description	EFM8 8051 8-BIT MCU, AEC-Q100, A	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	94956 pcs	Data sheet	EFM8BB3 Datasheet
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	2.2 V ~ 3.6 V
Speed	50MHz	Series	Automotive, AEC-Q100, Busy Bee
RAM Size	2.25K x 8	Program Memory Type	FLASH
Program Memory Size	16KB (16K x 8)	Peripherals	Brown-out Detect/Reset, POR, PWM, WDT
Oscillator Type	Internal	Operating Temperature	-40°C ~ 125°C (TA)
Number of I/O	20	Moisture Sensitivity Level (MSL)	2 (1 Year)
Manufacturer Standard Lead Time	6 Weeks	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
EEPROM Size	-	Detailed Description	CIP-51 8051 Automotive, AEC-Q100, Busy Bee Microcontroller IC 8-Bit 50MHz 16KB (16K x 8) FLASH
Data Converters	A/D 12x12b, D/A 2x12b	Core Size	8-Bit
Core Processor	CIP-51 8051	Connectivity	IPC, SMBus, SPI, UART/USART
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RELATED PRODUCTS			
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	Part#: EFM8BB22F16I-C-QFN28R Description: IC MCU 8BIT 16KB FLASH 28QFN	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM8BB31F16G-A-QFP32 Description: IC MCU 8BIT 16KB FLASH 32QFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM8BB21F16I-C-QSOP24 Description: IC MCU 8BIT 16KB FLASH 24QSOP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM8BB31F16G-A-QFN32 Description: IC MCU 8BIT 16KB FLASH 32QFN	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM8BB31F16A-B-5QFN32 Description: EFM8 8051 8-BIT MCU, AEC-Q100, A	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM8BB31F16A-B-5QFN32R Description: EFM8 8051 8-BIT MCU, AEC-Q100, A	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM8BB22F16A-C-QFN28R Description: IC MCU 8BIT 16KB FLASH 28QFN	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM8BB31F16G-B-QFN24 Description: IC MCU 8BIT 16KB FLASH 24QFN	Manufacturers: Energy Micro (Silicon Labs)	RFQ
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	Part#: EFM8BB31F16G-A-QFP32R Description: IC MCU 8BIT 16KB FLASH 32QFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM8BB21F16I-C-QSOP24R Description: IC MCU 8BIT 16KB FLASH 24QSOP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM8BB22F16G-C-QFN28 Description: IC MCU 8BIT 16KB FLASH 28QFN	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM8BB22F16G-B-QFN28R Description: IC MCU 8BIT 16KB FLASH 28QFN	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM8BB31F16G-A-QSOP24R Description: IC MCU 8BIT 16KB FLASH 24QSOP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
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	Part#: EFM8BB22F16A-C-QFN28 Description: IC MCU 8BIT 16KB FLASH 28QFN	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM8BB22F16I-C-QFN28 Description: IC MCU 8BIT 16KB FLASH 28QFN	Manufacturers: Energy Micro (Silicon Labs)	RFQ

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