

EFM8UB31F40G-A-QSOP24R



**SILICON LABS**

Part Number: [EFM8UB31F40G-A-QSOP24R](#)

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

Description: FULL SPEED USB, 40KB FLASH

Data sheet:  [EFM8UB3 Family](#)

RoHs Status: Lead free / RoHS Compliant

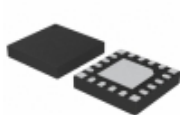
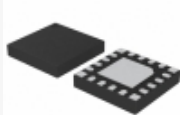
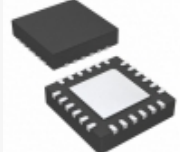
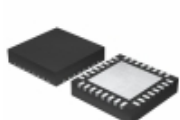
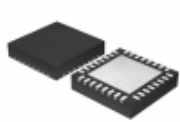
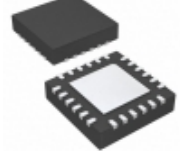
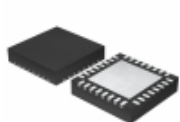
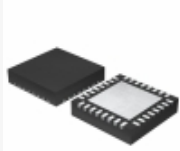
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Images are for reference only.
See Product Specifications for product details.
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PRODUCT PARAMETER			
Part Number	EFM8UB31F40G-A-QSOP24R	Manufacturer	Energy Micro (Silicon Labs)
Description	FULL SPEED USB, 40KB FLASH	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	87447 pcs	Data sheet	EFM8UB3 Family
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	1.71 V ~ 5.5 V
Supplier Device Package	24-QSOP	Speed	48MHz
Series	Universal Bee	RAM Size	3.25K x 8
Program Memory Type	FLASH	Program Memory Size	40KB (40K x 8)
Peripherals	Brown-out Detect/Reset, POR, PWM, WDT	Packaging	Tape & Reel (TR)
Package / Case	24-SSOP (0.154", 3.90mm Width)	Oscillator Type	Internal
Operating Temperature	-40°C ~ 85°C (TA)	Number of I/O	17
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 Universal Bee Microcontroller IC 8-Bit 48MHz 40KB (40K x 8) FLASH 24-QSOP	Data Converters	A/D 16x12b
Core Size	8-Bit	Core Processor	CIP-51 8051
Connectivity	I ² C, SMBus, SPI, UART/USART, USB		
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	Part#: EFM8UB30F40G-A-QFN20R Description: FULL SPEED USB, 40KB FLASH	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM8UB20F64G-B-QFP48R Description: IC MCU 8BIT 64KB FLASH 48TQFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM8UB20F64G-A-QFP32 Description: IC MCU 8BIT 64KB FLASH 32QFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM8UB20F64G-A-QFP48 Description: IC MCU 8BIT 64KB FLASH 48QFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
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	Part#: EFM8UB20F64G-A-QFN32 Description: IC MCU 8BIT 64KB FLASH 32QFN	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM8UB20F64G-A-QFP32R Description: IC MCU 8BIT 64KB FLASH 32QFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
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	Part#: EFM8UB20F64G-B-QFP48 Description: IC MCU 8BIT 64KB FLASH 48TQFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ

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