

C8051F580-IQ



**SILICON LABS**

Part Number: [C8051F580-IQ](#)

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

Description: IC MCU 8BIT 128KB FLASH 48TQFP

Data sheet:  [C8051F58x/F59x](#)
 [C8051F58x/59x Errata](#)

RoHs Status: Lead free / RoHS Compliant

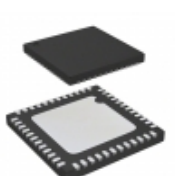
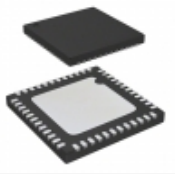
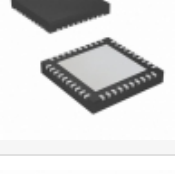
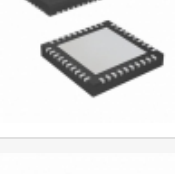
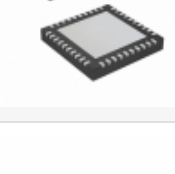
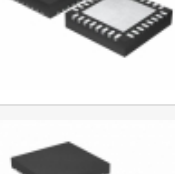
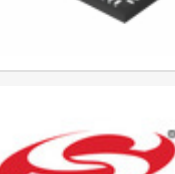
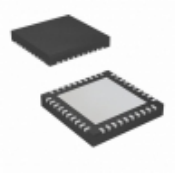
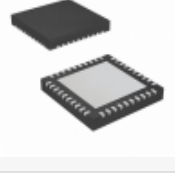
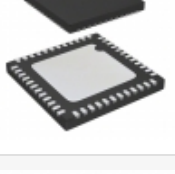
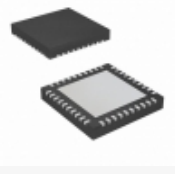
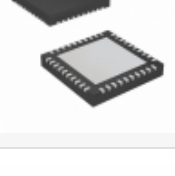
Ship From: Hong Kong

Shipment Way: DHL/Fedex/TNT/UPS/EMS

Images are for reference only.
See Product Specifications for product details.
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Request For Quotation

PRODUCT PARAMETER			
Part Number	C8051F580-IQ	Manufacturer	Energy Micro (Silicon Labs)
Description	IC MCU 8BIT 128KB FLASH 48TQFP	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	12144 pcs	Data sheet	C8051F58x/F59x C8051F58x/59x Errata
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	1.8 V ~ 5.25 V
Supplier Device Package	48-QFP (7x7)	Speed	50MHz
Series	C8051F58x	RAM Size	8.25K x 8
Program Memory Type	FLASH	Program Memory Size	128KB (128K x 8)
Peripherals	POR, PWM, Temp Sensor, WDT	Packaging	Tray
Package / Case	48-TQFP	Other Names	336-1564 C8051F580IQ
Oscillator Type	Internal	Operating Temperature	-40°C ~ 125°C (TA)
Number of I/O	40	Moisture Sensitivity Level (MSL)	3 (168 Hours)
Manufacturer Standard Lead Time	6 Weeks	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
EEPROM Size	-	Detailed Description	8051 C8051F58x Microcontroller IC 8-Bit 50MHz 128KB (128K x 8) FLASH 48-QFP (7x7)
Data Converters	A/D 32x12b	Core Size	8-Bit
Core Processor	8051	Connectivity	EBI/EMI, SMBus (2-Wire/I ² C), CANbus, LINbus, SPI, UART/USART
Base Part Number	C8051F58		
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	Part#: C8051F581-IQR Description: IC MCU 8BIT 128KB FLASH 48TQFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F574-IM Description: IC MCU 8BIT 16KB FLASH 40QFN	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F575-IMR Description: IC MCU 8BIT 16KB FLASH 40QFN	Manufacturers: Energy Micro (Silicon Labs)	RFQ
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	Part#: C8051F572-IMR Description: IC MCU 8BIT 16KB FLASH 40QFN	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F581-IMR Description: IC MCU 8BIT 128KB FLASH 48QFN	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F580DK Description: KIT DEV C8051F58X/59X MCU FAMILY	Manufacturers: Energy Micro (Silicon Labs)	RFQ
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	Part#: C8051F575-IM Description: IC MCU 8BIT 16KB FLASH 40QFN	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F581-IM Description: IC MCU 8BIT 128KB FLASH 48QFN	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F574-IMR Description: IC MCU 8BIT 16KB FLASH 40QFN	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F580-IQR Description: IC MCU 8BIT 128KB FLASH 48TQFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F581-IQ Description: IC MCU 8BIT 128KB FLASH 48TQFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ

Related keywords for C8051F580-IQ			
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