



Energy Micro (Silicon Labs)

### C8051F583-IQ

Part Number:	C8051F583-IQ
Manufacturer/Brand:	Energy Micro (Silicon Labs)
Product description:	IC MCU 8BIT 128KB FLASH 32LQFP
Datasheets:	<a href="#">1.C8051F583-IQ.pdf</a> <a href="#">2.C8051F583-IQ.pdf</a>
RoHS Status:	Lead free / RoHS Compliant
Stock Condition:	12438 pcs stock
Ship From:	Hong Kong
Shipment Way:	DHL/Fedex/TNT/UPS/EMS

**REQUEST FOR QUOTATION**

Image may be representation. See specifications for product details.

#### Specifications of C8051F583-IQ

PART NUMBER	C8051F583-IQ
MANUFACTURER	Energy Micro (Silicon Labs)
DESCRIPTION	IC MCU 8BIT 128KB FLASH 32LQFP
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
QUANTITY AVAILABLE	12438 pcs
DATA SHEET	<a href="#">1.C8051F583-IQ.pdf</a> <a href="#">2.C8051F583-IQ.pdf</a>
VOLTAGE - SUPPLY (VCC/VDD)	1.8 V ~ 5.25 V
SUPPLIER DEVICE PACKAGE	32-LQFP (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	32-LQFP
OTHER NAMES	336-1570 C8051F583IQ
OSCILLATOR TYPE	Internal
OPERATING TEMPERATURE	-40°C ~ 125°C (TA)
NUMBER OF I/O	25
MOISTURE SENSITIVITY LEVEL (MSL)	3 (168 Hours)
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 32-LQFP (7x7)
DATA CONVERTERS	A/D 25x12b
CORE SIZE	8-Bit
CORE PROCESSOR	8051
CONNECTIVITY	SMBus (2-Wire/I <sup>2</sup> C), SPI, UART/USART
BASE PART NUMBER	C8051F58

#### Related Tags

Energy Micro (Silicon Labs) C8051F583-IQ	C8051F583-IQ Distributor	C8051F583-IQ Supplier
C8051F583-IQ Price	C8051F583-IQ Pictures	C8051F583-IQ Image
C8051F583-IQ PDF Datasheet	C8051F583-IQ Download Datasheet	C8051F583-IQ Datasheet
C8051F583-IQ Stock	Buy C8051F583-IQ	Buy Energy Micro (Silicon Labs) C8051F583-IQ
Energy Micro (Silicon Labs) C8051F583-IQ	Energy Micro (Silicon Labs) Supplier	Energy Micro (Silicon Labs) Distributor
Energy Micro (Silicon Labs) C8051F583-IQ	Energy Micro C8051F583-IQ	Energy Micro (Silicon Labs) C8051F583-IQ
Silicon Laboratories C8051F583-IQ	Silicon Labs C8051F583-IQ	

#### Related Products

<p><b>C8051F583-IMR</b> Manufacturers: Energy Micro (Silicon Labs) Description: IC MCU 8BIT 128KB FLASH 32QFN In stock: 8474 pcs <a href="#">RFQ</a></p>	<p><b>C8051F582-IQR</b> Manufacturers: Energy Micro (Silicon Labs) Description: IC MCU 8BIT 128KB FLASH 32LQFP In stock: 11294 pcs <a href="#">RFQ</a></p>
<p><b>C8051F582-IMR</b> Manufacturers: Energy Micro (Silicon Labs) Description: IC MCU 8BIT 128KB FLASH 32QFN In stock: 14036 pcs <a href="#">RFQ</a></p>	<p><b>C8051F584-IM</b> Manufacturers: Energy Micro (Silicon Labs) Description: IC MCU 8BIT 96KB FLASH 48QFN In stock: 12472 pcs <a href="#">RFQ</a></p>
<p><b>C8051F582-IM</b> Manufacturers: Energy Micro (Silicon Labs) Description: IC MCU 8BIT 128KB FLASH 32QFN In stock: 9786 pcs <a href="#">RFQ</a></p>	<p><b>C8051F583-IM</b> Manufacturers: Energy Micro (Silicon Labs) Description: IC MCU 8BIT 128KB FLASH 32QFN In stock: 9949 pcs <a href="#">RFQ</a></p>
<p><b>C8051F585-IM</b> Manufacturers: Energy Micro (Silicon Labs) Description: IC MCU 8BIT 96KB FLASH 48QFN In stock: 14492 pcs <a href="#">RFQ</a></p>	<p><b>C8051F583-IQR</b> Manufacturers: Energy Micro (Silicon Labs) Description: IC MCU 8BIT 128KB FLASH 32LQFP In stock: 11452 pcs <a href="#">RFQ</a></p>
<p><b>C8051F584-IMR</b> Manufacturers: Energy Micro (Silicon Labs) Description: IC MCU 8BIT 96KB FLASH 48QFN In stock: 12992 pcs <a href="#">RFQ</a></p>	<p><b>C8051F584-IQ</b> Manufacturers: Energy Micro (Silicon Labs) Description: IC MCU 8BIT 96KB FLASH 48TQFP In stock: 11356 pcs <a href="#">RFQ</a></p>
<p><b>C8051F582-IQ</b> Manufacturers: Energy Micro (Silicon Labs) Description: IC MCU 8BIT 128KB FLASH 32LQFP In stock: 10020 pcs <a href="#">RFQ</a></p>	<p><b>C8051F584-IQR</b> Manufacturers: Energy Micro (Silicon Labs) Description: IC MCU 8BIT 96KB FLASH 48TQFP In stock: 14791 pcs <a href="#">RFQ</a></p>