



Energy Micro (Silicon Labs)

## C8051F583-IM

Part Number:	C8051F583-IM
Manufacturer/Brand:	Energy Micro (Silicon Labs)
Product description:	IC MCU 8BIT 128KB FLASH 32QFN
Datasheets:	<a href="#">1.C8051F583-IM.pdf</a> <a href="#">2.C8051F583-IM.pdf</a>
RoHS Status:	Lead free / RoHS Compliant
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-IM

PART NUMBER	C8051F583-IM
MANUFACTURER	Energy Micro (Silicon Labs)
DESCRIPTION	IC MCU 8BIT 128KB FLASH 32QFN
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
DATA SHEET	<a href="#">1.C8051F583-IM.pdf</a> <a href="#">2.C8051F583-IM.pdf</a>
VOLTAGE - SUPPLY (VCC/VDD)	1.8 V ~ 5.25 V
SUPPLIER DEVICE PACKAGE	32-QFN (5x5)
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	Tube
PACKAGE / CASE	32-VFQFN Exposed Pad
OTHER NAMES	336-1571-5 C8051F583IM
OSCILLATOR TYPE	Internal
OPERATING TEMPERATURE	-40°C ~ 125°C (TA)
NUMBER OF I/O	25
MOISTURE SENSITIVITY LEVEL (MSL)	1 (Unlimited)
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 32-QFN (5x5)
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-IM	C8051F583-IM Distributor	C8051F583-IM Supplier
C8051F583-IM Price	C8051F583-IM Pictures	C8051F583-IM Image
C8051F583-IM PDF Datasheet	C8051F583-IM Download Datasheet	C8051F583-IM Datasheet
C8051F583-IM Stock	Buy C8051F583-IM	Buy Energy Micro (Silicon Labs) C8051F583-IM
Energy Micro (Silicon Labs) C8051F583-IM	Energy Micro (Silicon Labs) Supplier	Energy Micro (Silicon Labs) Distributor
Energy Micro (Silicon Labs) C8051F583-IM	Energy Micro C8051F583-IM	Energy Micro (Silicon Labs) C8051F583-IM
Silicon Laboratories C8051F583-IM	Silicon Labs C8051F583-IM	

### Related Products

<p><b>C8051F583-IQ</b>                  Manufacturers: Energy Micro (Silicon Labs)                  Description: IC MCU 8BIT 128KB FLASH 32LQFP                  In stock: 316 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: Out stock  <a href="#">RFQ</a></p>
<p><b>C8051F582-IM</b>                  Manufacturers: Energy Micro (Silicon Labs)                  Description: IC MCU 8BIT 128KB FLASH 32QFN                  In stock: 66 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: Out stock  <a href="#">RFQ</a></p>
<p><b>C8051F584-IMR</b>                  Manufacturers: Energy Micro (Silicon Labs)                  Description: IC MCU 8BIT 96KB FLASH 48QFN                  In stock: Out stock  <a href="#">RFQ</a></p>	<p><b>C8051F584-IM</b>                  Manufacturers: Energy Micro (Silicon Labs)                  Description: IC MCU 8BIT 96KB FLASH 48QFN                  In stock: 71 pcs  <a href="#">RFQ</a></p>
<p><b>C8051F581-IQ</b>                  Manufacturers: Energy Micro (Silicon Labs)                  Description: IC MCU 8BIT 128KB FLASH 48TQFP                  In stock: 374 pcs  <a href="#">RFQ</a></p>	<p><b>C8051F581-IQR</b>                  Manufacturers: Energy Micro (Silicon Labs)                  Description: IC MCU 8BIT 128KB FLASH 48TQFP                  In stock: 500 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: Out stock  <a href="#">RFQ</a></p>	<p><b>C8051F584-IQ</b>                  Manufacturers: Energy Micro (Silicon Labs)                  Description: IC MCU 8BIT 96KB FLASH 48TQFP                  In stock: 255 pcs  <a href="#">RFQ</a></p>
<p><b>C8051F583-IMR</b>                  Manufacturers: Energy Micro (Silicon Labs)                  Description: IC MCU 8BIT 128KB FLASH 32QFN                  In stock: Out stock  <a href="#">RFQ</a></p>	<p><b>C8051F582-IQ</b>                  Manufacturers: Energy Micro (Silicon Labs)                  Description: IC MCU 8BIT 128KB FLASH 32LQFP                  In stock: 607 pcs  <a href="#">RFQ</a></p>