



Energy Micro (Silicon Labs)



C8051F590-IMR

Part Number:	C8051F590-IMR
Manufacturer/Brand:	Energy Micro (Silicon Labs)
Product description	IC MCU 8BIT 96KB FLASH 40QFN
	PDF 1.C8051F590-IMR.pdf
	PDF 2.C8051F590-IMR.pdf
Datasheets:	
RoHs Status	 Lead free / RoHS Compliant
Ship From	Hong Kong
Shipment Way	DHL/Fedex/TNT/UPS/EMS

REQUEST FOR QUOTATION

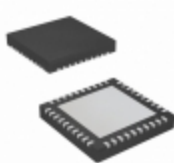
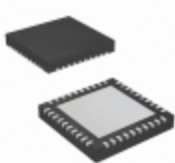
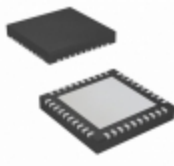
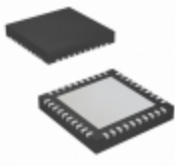
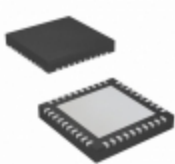
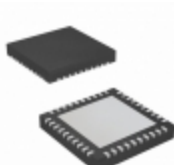
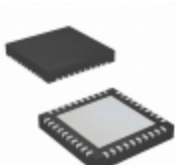
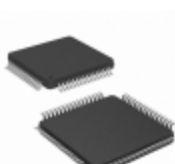
Specifications of C8051F590-IMR

PART NUMBER	C8051F590-IMR
MANUFACTURER	Energy Micro (Silicon Labs)
DESCRIPTION	IC MCU 8BIT 96KB FLASH 40QFN
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
DATA SHEET	PDF 1.C8051F590-IMR.pdf PDF 2.C8051F590-IMR.pdf
VOLTAGE - SUPPLY (VCC/VDD)	1.8 V ~ 5.25 V
SUPPLIER DEVICE PACKAGE	40-QFN (6x6)
SPEED	50MHz
SERIES	C8051F59x
RAM SIZE	8.25K x 8
PROGRAM MEMORY TYPE	FLASH
PROGRAM MEMORY SIZE	96KB (96K x 8)
PERIPHERALS	POR, PWM, Temp Sensor, WDT
PACKAGING	Tape & Reel (TR)
PACKAGE / CASE	40-VFQFN Exposed Pad
OSCILLATOR TYPE	Internal
OPERATING TEMPERATURE	-40°C ~ 125°C (TA)
NUMBER OF I/O	33
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 C8051F59x Microcontroller IC 8-Bit 50MHz 96KB (96K x 8) FLASH 40-QFN (6x6)
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

Related Tags

Energy Micro (Silicon Labs) C8051F590-IMR	C8051F590-IMR Distributor	C8051F590-IMR Supplier
C8051F590-IMR Price	C8051F590-IMR Pictures	C8051F590-IMR Image
C8051F590-IMR PDF Datasheet	C8051F590-IMR Download Datasheet	C8051F590-IMR Datasheet
C8051F590-IMR Stock	Buy C8051F590-IMR	Buy Energy Micro (Silicon Labs) C8051F590-IMR
Energy Micro (Silicon Labs) C8051F590-IMR	Energy Micro (Silicon Labs) Supplier	Energy Micro (Silicon Labs) Distributor
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Related Products

 C8051F591-IMR Manufacturers: Energy Micro (Silicon Labs) Description: IC MCU 8BIT 96KB FLASH 40QFN In stock: Out stock RFQ	 C8051F588-IMR Manufacturers: Energy Micro (Silicon Labs) Description: IC MCU 8BIT 128KB FLASH 40QFN In stock: Out stock RFQ
 C8051F700DK Manufacturers: Energy Micro (Silicon Labs) Description: DEV KIT FOR C8051F700 In stock: Out stock RFQ	 C8051F700-GQ Manufacturers: Energy Micro (Silicon Labs) Description: IC MCU 8BIT 15KB FLASH 64TQFP In stock: Out stock RFQ
 C8051F590-IM Manufacturers: Energy Micro (Silicon Labs) Description: IC MCU 8BIT 96KB FLASH 40QFN In stock: Out stock RFQ	 C8051F591-IM Manufacturers: Energy Micro (Silicon Labs) Description: IC MCU 8BIT 96KB FLASH 40QFN In stock: Out stock RFQ
 C8051F587-IQR Manufacturers: Energy Micro (Silicon Labs) Description: IC MCU 8BIT 96KB FLASH 32LQFP In stock: Out stock RFQ	 C8051F589-IMR Manufacturers: Energy Micro (Silicon Labs) Description: IC MCU 8BIT 128KB FLASH 40QFN In stock: Out stock RFQ
 C8051F588-IM Manufacturers: Energy Micro (Silicon Labs) Description: IC MCU 8BIT 128KB FLASH 40QFN In stock: 98 pcs RFQ	 C8051F589-IM Manufacturers: Energy Micro (Silicon Labs) Description: IC MCU 8BIT 128KB FLASH 40QFN In stock: 309 pcs RFQ
 C8051F700-TB Manufacturers: Energy Micro (Silicon Labs) Description: BOARD PROTOTYPE WITH C8051F700 In stock: Out stock RFQ	 C8051F700-GQR Manufacturers: Energy Micro (Silicon Labs) Description: IC MCU 8BIT 15KB FLASH 64TQFP In stock: Out stock RFQ