



Energy Micro (Silicon Labs)

### C8051F501-IMR

Part Number:	C8051F501-IMR
Manufacturer/Brand:	Energy Micro (Silicon Labs)
Product description:	IC MCU 8BIT 64KB FLASH 48QFN
Datasheets:	<a href="#">1.C8051F501-IMR.pdf</a> <a href="#">2.C8051F501-IMR.pdf</a>
RoHS Status:	Lead free / RoHS Compliant
Stock Condition:	19921 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 C8051F501-IMR

PART NUMBER	C8051F501-IMR
MANUFACTURER	Energy Micro (Silicon Labs)
DESCRIPTION	IC MCU 8BIT 64KB FLASH 48QFN
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
QUANTITY AVAILABLE	19921 pcs
DATA SHEET	<a href="#">1.C8051F501-IMR.pdf</a> <a href="#">2.C8051F501-IMR.pdf</a>
VOLTAGE - SUPPLY (VCC/VDD)	1.8 V ~ 5.25 V
SUPPLIER DEVICE PACKAGE	48-QFN (7x7)
SPEED	50MHz
SERIES	C8051F50x
RAM SIZE	4.25K x 8
PROGRAM MEMORY TYPE	FLASH
PROGRAM MEMORY SIZE	64KB (64K x 8)
PERIPHERALS	POR, PWM, Temp Sensor, WDT
PACKAGING	Tape & Reel (TR)
PACKAGE / CASE	48-VFQFN Exposed Pad
OSCILLATOR TYPE	Internal
OPERATING TEMPERATURE	-40°C ~ 125°C (TA)
NUMBER OF I/O	40
MOISTURE SENSITIVITY LEVEL (MSL)	2 (1 Year)
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
EEPROM SIZE	-
DETAILED DESCRIPTION	8051 C8051F50x Microcontroller IC 8-Bit 50MHz 64KB (64K x 8) FLASH 48-QFN (7x7)
DATA CONVERTERS	A/D 32x12b
CORE SIZE	8-Bit
CORE PROCESSOR	8051
CONNECTIVITY	EBI/EMI, SMBus (2-Wire/I <sup>2</sup> C), SPI, UART/USART
BASE PART NUMBER	C8051F50

#### Related Tags

Energy Micro (Silicon Labs) C8051F501-IMR	C8051F501-IMR Distributor	C8051F501-IMR Supplier
C8051F501-IMR Price	C8051F501-IMR Pictures	C8051F501-IMR Image
C8051F501-IMR PDF Datasheet	C8051F501-IMR Download Datasheet	C8051F501-IMR Datasheet
C8051F501-IMR Stock	Buy C8051F501-IMR	Buy Energy Micro (Silicon Labs) C8051F501-IMR
Energy Micro (Silicon Labs) C8051F501-IMR	Energy Micro (Silicon Labs) Supplier	Energy Micro (Silicon Labs) Distributor
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Silicon Laboratories C8051F501-IMR	Silicon Labs C8051F501-IMR	

#### Related Products

<p><b>C8051F501-IQ</b>                  Manufacturers: Energy Micro (Silicon Labs)                  Description: IC MCU 8BIT 64KB FLASH 48TQFP                  In stock: 15582 pcs  <a href="#">RFQ</a></p>	<p><b>C8051F500-IQ</b>                  Manufacturers: Energy Micro (Silicon Labs)                  Description: IC MCU 8BIT 64KB FLASH 48TQFP                  In stock: 12250 pcs  <a href="#">RFQ</a></p>
<p><b>C8051F502-IM</b>                  Manufacturers: Energy Micro (Silicon Labs)                  Description: IC MCU 8BIT 64KB FLASH 32QFN                  In stock: 14125 pcs  <a href="#">RFQ</a></p>	<p><b>C8051F500-IMR</b>                  Manufacturers: Energy Micro (Silicon Labs)                  Description: IC MCU 8BIT 64KB FLASH 48QFN                  In stock: 17185 pcs  <a href="#">RFQ</a></p>
<p><b>C8051F501-IM</b>                  Manufacturers: Energy Micro (Silicon Labs)                  Description: IC MCU 8BIT 64KB FLASH 48QFN                  In stock: 12411 pcs  <a href="#">RFQ</a></p>	<p><b>C8051F502-IQ</b>                  Manufacturers: Energy Micro (Silicon Labs)                  Description: IC MCU 8BIT 64KB FLASH 32LQFP                  In stock: 12232 pcs  <a href="#">RFQ</a></p>
<p><b>C8051F500-TB-K</b>                  Manufacturers: Energy Micro (Silicon Labs)                  Description: BOARD PROTOTYPE W/C8051F500                  In stock: 1637 pcs  <a href="#">RFQ</a></p>	<p><b>C8051F500-IQR</b>                  Manufacturers: Energy Micro (Silicon Labs)                  Description: IC MCU 8BIT 64KB FLASH 48TQFP                  In stock: 16025 pcs  <a href="#">RFQ</a></p>
<p><b>C8051F501-IQR</b>                  Manufacturers: Energy Micro (Silicon Labs)                  Description: IC MCU 8BIT 64KB FLASH 48TQFP                  In stock: 16997 pcs  <a href="#">RFQ</a></p>	<p><b>C8051F502-IQR</b>                  Manufacturers: Energy Micro (Silicon Labs)                  Description: IC MCU 8BIT 64KB FLASH 32LQFP                  In stock: 16063 pcs  <a href="#">RFQ</a></p>
<p><b>C8051F500DK</b>                  Manufacturers: Energy Micro (Silicon Labs)                  Description: KIT DEV FOR C8051F50X                  In stock: 809 pcs  <a href="#">RFQ</a></p>	<p><b>C8051F502-IMR</b>                  Manufacturers: Energy Micro (Silicon Labs)                  Description: IC MCU 8BIT 64KB FLASH 32QFN                  In stock: 14325 pcs  <a href="#">RFQ</a></p>

