

## C8051F125R



**Energy Micro (Silicon Labs)**

IC MCU 8BIT 128KB FLASH 64TQFP  
 Contains lead / RoHS non-compliant  
 Integrated Circuits (ICs)

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### Shopping Process



### Specifications

<b>Voltage - Supply (Vcc/Vdd):</b>	2.7 V ~ 3.6 V
<b>Supplier Device Package:</b>	64-TQFP (10x10)
<b>Speed:</b>	50MHz
<b>Series:</b>	C8051F12x
<b>RAM Size:</b>	8.25K x 8
<b>Program Memory Type:</b>	FLASH
<b>Program Memory Size:</b>	128KB (128K x 8)
<b>Peripherals:</b>	Brown-out Detect/Reset, POR, PWM, Temp Sensor, WDT
<b>Packaging:</b>	Tape & Reel (TR)
<b>Package / Case:</b>	64-TQFP
<b>Oscillator Type:</b>	Internal
<b>Operating Temperature:</b>	-40°C ~ 85°C (TA)
<b>Number of I/O:</b>	32
<b>EEPROM Size:</b>	-
<b>Data Converters:</b>	A/D 8x8b, 8x12b; D/A 2x12b
<b>Core Size:</b>	8-Bit
<b>Core Processor:</b>	8051
<b>Connectivity:</b>	EBI/EMI, SMBus (2-Wire/I <sup>2</sup> C), SPI, UART/USART

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 <b>MAX16975AAEE/V+T</b> IC REG BUCK ADJ/5V 1.2A 16QSOP <a href="#">Maxim Integrated</a> <b>RFQ</b>	 <b>LM2655MTC-3.3</b> IC REG BUCK 3.3V 2.5A 16TSSOP <a href="#">Texas Instruments</a> <b>RFQ</b>	 <b>NCP4683HMU185TCG</b> IC REG LDO 1.85V 0.3A 4UDFN <a href="#">ON Semiconductor</a> <b>RFQ</b>	 <b>S-812C53AMC-C3HT2U</b> IC REG LINEAR 5.3V 75MA SOT23-5 <a href="#">SII Semiconductor Corporation</a> <b>RFQ</b>	 <b>MAX8559EBA11+T</b> IC REG LDO 1.85V 0.3A 8UCSP <a href="#">Maxim Integrated</a> <b>RFQ</b>