

### C8051F120



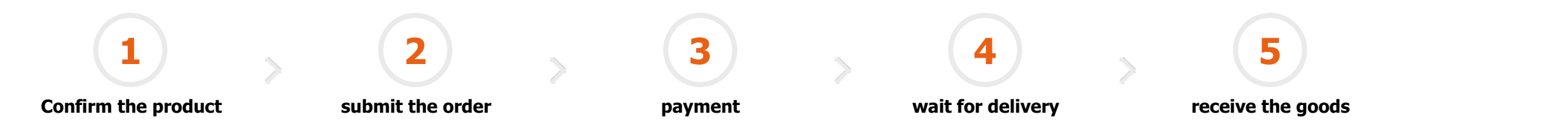
**Energy Micro (Silicon Labs)**  
 IC MCU 8BIT 128KB FLASH 100TQFP  
 Contains lead / RoHS non-compliant  
 Integrated Circuits (ICs)

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 See Product Specifications for product details.  
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### Shopping Process



### Specifications

<b>Voltage - Supply (Vcc/Vdd):</b>	3 V ~ 3.6 V
<b>Supplier Device Package:</b>	100-TQFP (14x14)
<b>Speed:</b>	100MHz
<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>	Tray
<b>Package / Case:</b>	100-TQFP
<b>Oscillator Type:</b>	Internal
<b>Operating Temperature:</b>	-40°C ~ 85°C (TA)
<b>Number of I/O:</b>	64
<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

### Related products

 <b>C8051F120-TB</b> BOARD PROTOTYPING W/C8051F120 <a href="#">Silicon Labs</a> <b>RFQ</b>	 <b>C8051F120-GQ</b> IC MCU 8BIT 128KB FLASH 100TQFP <a href="#">Silicon Labs</a> <b>RFQ</b>	 <b>C8051F120DK</b> DEVKIT-F120/21/22/23/24/25/26/27 <a href="#">Silicon Labs</a> <b>RFQ</b>	 <b>C8051F067R</b> IC MCU 8BIT 32KB FLASH 64TQFP <a href="#">Silicon Labs</a> <b>RFQ</b>	 <b>C8051F120DK-U</b> DEVKIT-F120/21/22/23/24/25/26/27 <a href="#">Silicon Labs</a> <b>RFQ</b>
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 <b>EMC2302-2-AIZL-TR</b> IC RPM FAN CONTROLLER 10MSOP <a href="#">Microchip Technology</a> <b>RFQ</b>	 <b>EC7401QI</b> IC REG CTRLR BUCK 40QFN <a href="#">Altera</a> <b>RFQ</b>	 <b>S-8352C31UA-K6QT2G</b> IC REG CTRLR BOOST SOT89-3 <a href="#">SII Semiconductor Corporation</a> <b>RFQ</b>	 <b>S-13R1B30-I4T1U3</b> IC REG LINEAR 3V 0.15A <a href="#">SII Semiconductor Corporation</a> <b>RFQ</b>	 <b>LT3015EQ-2.5#PBF</b> IC REG LDO -2.5V 1.5A 5DDPAK <a href="#">Linear Technology</a> <b>RFQ</b>