

- Quick Start Guide (this document)
 - CP21xx Installation DVD
 - Mini-USB cable
- CP2130 evaluation board (pictured)
- The CP2130 Evaluation Kit contains the following:

The CP2130 USB-to-SPI smart-interface family provides a simple solution for connecting Serial Peripheral Interface (SPI) based designs to USB using a minimum of components and PCB space. The CP2130 includes a USB 2.0 full-speed function controller, USB transceiver, internal USB oscillator, integrated voltage regulator, One-Time Programmable ROM, and one SPI.

CP2130 USB-TO-SPI EVALUATION KIT QUICK-START GUIDE



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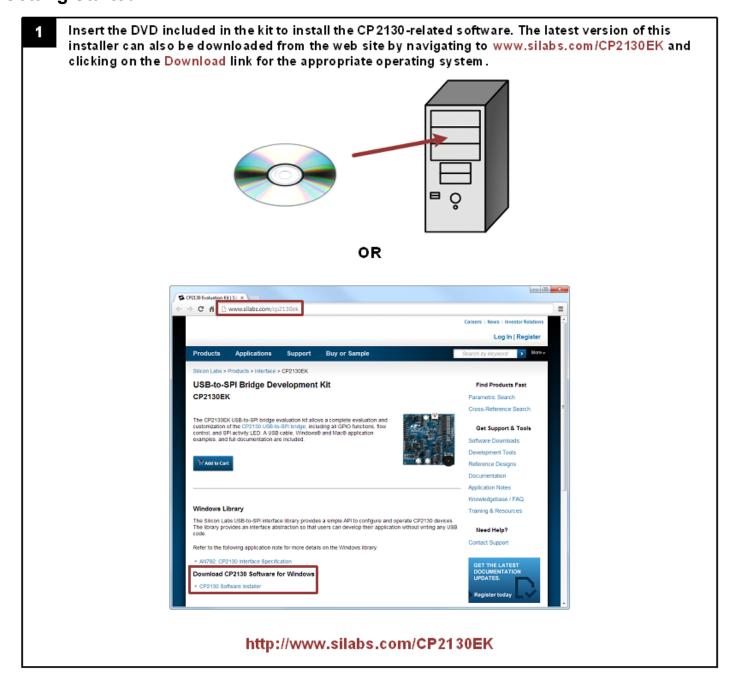
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Mailing Address: 400 W. Cesar Chavez Austin, TX 78701

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A. Getting Started







read the string back from the EEPROM. write text box and press Write. Press Read to 5. Type a string into the SPI EEPROM R/W to turn the GPIO.1 and GPIO.6 LEDs on and 4. Press the Drive Low & Drive High buttons temperature sensor read the ambient temperature from the 3. Observe the Temperature Sensor gauge to observe the Potentiometer Voltage gauge 2. Rotate the potentiometer on the board and 1. Press the Connect button to connect to the In the CP2130_Demo application:

ADC graph window to display a plot of the

6. Press the Event button on the board and

7. Press the Plot ADC button to open the

observe the Event Counter value as it

ADC channels.

Cb5130

forsk chroco 0 Plot ADC PIOLADC (0) beaAl 1 SPI EEPROM RW 🎧 GPIO Temperature Sensor (Connect CP2130 USB-to-SPI Bridge Demo CP2130 USB-10-5FI Bridge Demo 8

B. Relevant Documentation

Application Notes:

www.silabs.com/interface-appnotes

AN721: CP21xx Device Customization Guide

• AN792: CP2130 Interface Specification

Device Information:

http://www.silabs.com/smartinterface

http://www.silabs.com/smartinterface→USB Connectivity Bridges→CP2130→Documentation tab→Data Sheet section Data Sheets:

http://www.silabs.com/smartinterface→USB Connectivity Bridges→CP2130→Documentation tab→ Users Guides

MCU Knowledge Base:

User Guides section

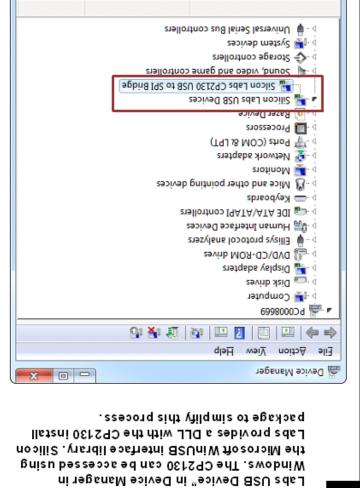
www.silabs.com→Support→Knowledge Base→USB Bridge Knowledge Base

Contact an Applications Engineer:

www.silabs.com—Support—Contact Technical Support

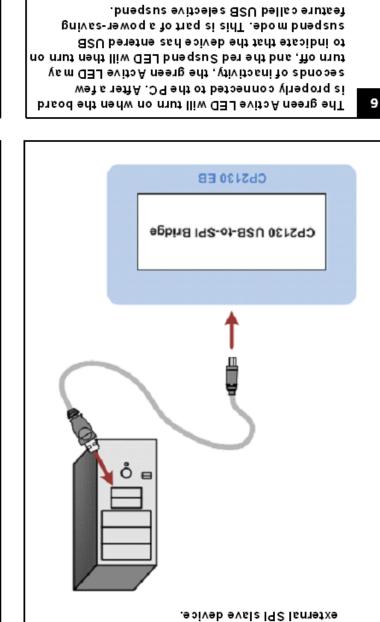
Quality Documents:

www.silabs.com/quality



The CP2130 device will appear as a "Silicon





3-channel ADC as well as connections for an

evaluation board has an onboard EEPROM and

Connect the CP2130 evaluation board to a PC as

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shown using the Mini-USB cable. The CP2130



