

PSoC 5LP Development Kit Handling and Safety Guide

Purpose

Like many electronic development kits, the PSoC 5LP Development Kit has many exposed parts. Thus, some caution needs to be taken to prevent damage to the kit.

General

- This device is sensitive to electrostatic discharges, often caused by static electricity. **DISCHARGE YOURSELF** by touching a metal object before handling the development kit.
- **AVOID** touching the wires coming out of the chips on the development kit.
- When plugging the LCD display into the development kit, be careful to line up the pins with the display port, grab the short edges with one hand, hold down the development kit with the other, and gently push down the display, wiggling it back and forth.
- When removing the LCD display, grab the short edges with one hand, hold down the development kit with the other, and gently lift the display, wiggling it back and forth.
- **NEVER** apply excessive force anywhere on the development kit.
- **DO NOT** have any liquids near the development kit.

Before powering on...

- Ensure there are no metal objects or loose wires on or around the development kit.
- If the LCD display is to be used, plug it in before powering on.
- When ready, plug the USB cable into the development kit first (upper right for programming, middle for using the PSoC as a USB device), then into the computer.

When powered on...

- **DO NOT** touch exposed parts on the development kit, including the solder points on the back.
- **DO NOT** change wiring for external components without powering off first.
- **DO NOT** unplug or plug in the LCD display.
- Safe places to touch:
 - Edges of the development kit, but avoid the top of the kit where the power circuitry is
 - Pushbuttons
 - Potentiometer
 - Capacitive touch buttons and slider
- Simply unplugging the USB cable to power the development kit off is safe.