**Procedure to update the CPS Fanout Chassis to a rev. v2:**

First, replace the current front panel with one that has holes labled “1PPS Heartbeat”, and “PSoC Reset” (if needed). Insert a switch (Digikey P/N GH746-ND) into the PSoC Reset hole, and attach 8” wire pigtails. Also insert the LED (Digikey P/N 350-2134-ND) into the 1PPS Heartbeat hole.

Capacitive Position Sensor Timing Fanout Board D1400154-v3:

1. Remove the old Voltage regulator and associated parts.
   1. Remove U7, and its heatsink1.
   2. Remove C8 and C9.
   3. Remove D5 and D6.
   4. Remove R2 and R3.
2. Install the 2-pin header into pins 1&2 of the U7 footprint.

PSoc Development Board:

1. Remove the VSSD pin nearest R51.
2. Insert both the black lead from the LED, and one lead from the pushbutton switch into the hole of VSSD, and solder in place.
3. Insert the other lead of the switch into the “Reset” pad, and solder in place.
4. Cut the red lead of the LED in half, and insert a 330 ohm resistor inline. Shrink a section of heatshrink over the resistor, and its leads.
5. Trim the leads to 8-9”, tin the end of the red LED lead, and insert into P0\_0. Then insert several staples made from resistor lead to secure the red LED wire.

Chassis Power Regulator Board:

1. Replace R2 with a 2.87K (1206 footprint) resistor.
2. Solder a second, short black wire into the middle pin of the back panel power connector. Crimp a pin on the other end of this cable, and insert into the ground (pin 3) of the 4-pin Molex connector.
3. Cut the lug off the red wire coming from P3 on the fanout board, and then re-crimp it, and a separate 3” red wire both into a new lug, and re-attach them to the switch. Crimp the other end of the new wire into pin 1 of the 4-pin Molex connector, and plug it into the power board.
4. Connect any of the 3-pin Molex headers to the new 2-pin header of U7 with ~16” of wires.