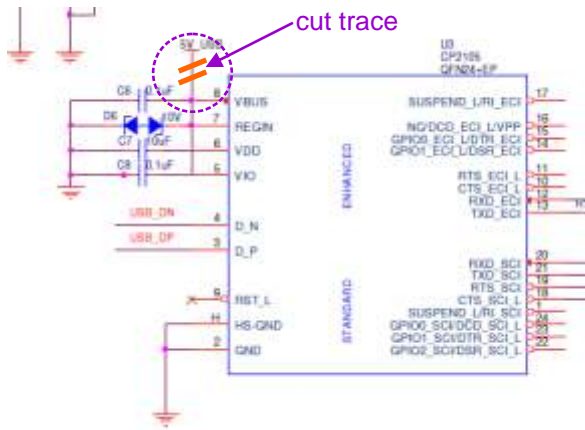


# WICED Sense - Boot from USB (no battery)



## Boot and run WICED Sense without battery.

### Situation:

WICED Sense does not boot if powered from USB.

### Reason:

If Cp2105 is powered and activates UART Tx, WICED Sense BROM goes to different mode (UART FW load)

### Solution:

Cut the trace from 5V USB VBUS to CP2105. To keep feature for SW download, add a jumper to close connection again when WICED Sense has booted.

## Steps for the HW hack



1. Open enclosure  
lift the red cover, on one corner, e.g. with a small screw driver, Use finger nails to pull it out. Remove carefully, watch the click-in nose.



2. Cut the trace with very sharp knife (Use this special DIY tool set)

you might open for SW2



5. Solder jumper header, use jumpers with isolation on top, isolate all (shown: disconnected for boot with USB)



3. When cut, you can check: It should boot, LED should lit.

4. Solder wires, fix it, e.g. with melting glue



6. after boot, change to enable UART (if FW load is needed)



7. hide jumper in battery lot (disconnected for booting via USB, for FW update, download - close the jumper (see 6.))

It works, still both features available, eCompass should not have an issue anymore, runs endless now