

1. U5 (accelerometer)
 - a. **Connect all necessary pins (Status and ST pins)**, made connections
 - b. **Resistor on Vout line**, added a 1k ohm resistor between vout and adc in
 - c. **C14 Capacitor value is incorrect**, Changed to .01uF, not the right package?
 - d. **Footprint size is incorrect**, Fixed to the correct size
2. Reference Designators
 - a. **Don't put them underneath parts**
 - b. **Don't overlap**
 - c. **Okay to go over traces**
3. Motor drivers
 - a. **Add pad underneath the chips**
 - i. **Add through-hole, maybe add more copper on opposite side**
 - b. **Needs side pads that connect to center pad?**
 - c. **Avoid routing pins through inside of footprint**
 - d. EN pins should be tied to GPIOs on the uController rather than VDD
 - i. Add 0 Ω resistors to choose which path to populate, if including both
 - e. **Notch doesn't seem to be oriented properly (do we care?)**
4. 3x2 header
 - a. VDD pin is too long; should route like a "star"
5. U6 (Boost)
 - a. May have wrong footprint; pins should be on all 4 sides, we only have 2 sides
 - b. **Thermal dissipation pad needs to be added**
 - c. **Double-check spacing – Figure 39 of datasheet**
6. U22 (MicroUSB)
 - a. **Make sure the lip is able to clear the PCB edge**