**Standard Procedures in Handling Electronic Boards**

1. Check for board connectivity between 3.3V, 5V and ground before turning on the power. Make sure **no short circuit**.
2. Check whether the board is supplied with correct voltages at respective pins (3.3V, 5V and ground). **BEWARE don’t short** the pins (5V and ground) when checking!
3. When using multimeter to check connectivity, make sure the electronic boards are powered off.
4. When checking resistance, make sure the mainboard is not supplied with power.
5. Constantly check (or touch carefully) the IC, shift register, multiplexer. Make sure they are **NOT overheated**.
6. Check for the master clear pin or ground before plug in PICKIT3 and UART.
7. Please make sure the data lines of I2Cs are always remained at 2.2kohm.
8. Avoid the circuit from dust and mechanism debris. Brush and clean up the circuit board constantly.
9. **Check battery voltage** and if any failure happened to the LIPO battery due to LOW voltage, you are **responsible** for that battery.