

Voltage Conventions

- 1. UVCC: filtered USB +5VDC (only when USB plugged-in)
- 2. PVCC: regulated 3.3VDC (only when USB plugged-in)
- 3. DVDD: I/O voltage supplied from mote (always present)
- 4. VOUT: Combined module output voltage (wide range)
- 5. When USB plugged-in: DVDD >= PVCC - 0.3V must hold

DESIGN NOTES

- 1. Min trace/space/via/pad: 6/6/10/20
- 2. Layers: 4
- 3. Thickness: TBD (1mm or 0.5mm)
- 4. Ground center die pad of FT232R.
- 5. Use LCC68 footprint for PCB substrate.

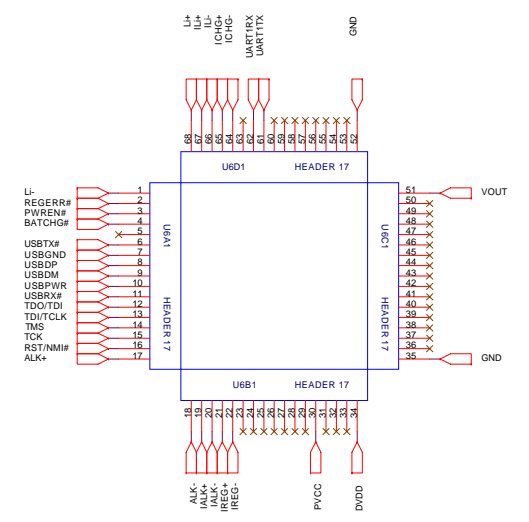


Figure 1: System I/O map.

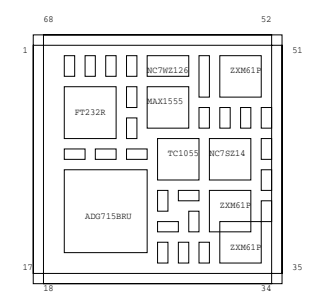


Figure 2: Possible system PCB floorplan (sanity check)