UTAT-OBC Routing Notes

24-Dec-2014 – Thien Nguyen, UNSW BLUEsat

# General

* Avoid acute angles because of antenna issues + layer lifting issues
* Some ‘bent’ tracks or tracks with kinks can be avoided by better component placement
* Generally quite tight, with some small kinks

# Specific

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| **Original** | **Suggestion** |
|  | **U3**   * Try to make the tracks lead directly out of the pins * Avoid acute angles |
|  | **U3 –**  **Routing dag. Will show up on pcb printing.** |
|  | **U3-U4**   * Try to tidyt this up with better component/via placement * **Move U3-U4 farther apart if necessary** * **Aim for straight lines** |
|  | **Erase button**   * **Try to go “fully” into the pad rather than through a corner** |
|  | Reset Button  Routing Dag, will show up on PCB Print |
|  | C26  No reason not to make this a straight line |
|  | Y2 – Avoid the harsh acute angles |
|  | C5 – Avoid acute angle  (A bit messy ubt you get my drift) |
|  |  |
|  | R6  Avoid the acute angle |
|  | Move vias around to get straight lines |
|  | Main micro  Messy track placement |
|  | Redo kink with better via placement |
|  | Move C15 and c17 to get rid of kinks  (Don’t have the time/energy to show example here) |
|  | Replace acute angles with X junctions |
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