Paradigm BBB Cape Rev. 1 Documentation Package



Mark Belbin Mitchell Stride

Rev 2 Proposal

After brainstorming possible ideas to improve on, we feel that a solution such as below would be better. Rather than restricting the layout to a cape, a larger board should be used. If space is not an issue, more can be incorporated. See below. The schematic could be reused just with a new layout. This will allow for extra connectors.

http://rgb-123.com/wp-content/uploads/2014/10/RJ45_C2_ISO.jpg https://www.nexlab.net/wp-content/uploads/unixmedia/10/IMG_5428-copia.jpg \

Rev 1. Documentation

Depending on decision made at team meeting, we will scrap this layout and go with the above proposal. Or generate the gerbers and order the current board after creating a pinout diagram and a few more things.

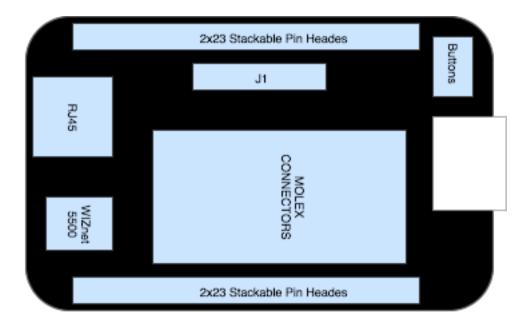
To Be Attached:

- BOM
- Pinout
- Layout

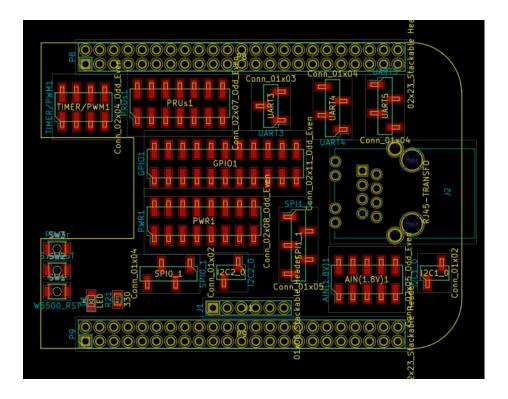
To Do

- Fab and do H/W verification

Block Diagram v1



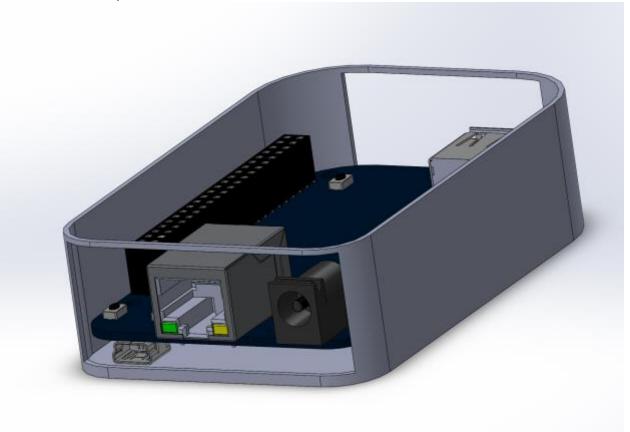
Top Layout (no trace)

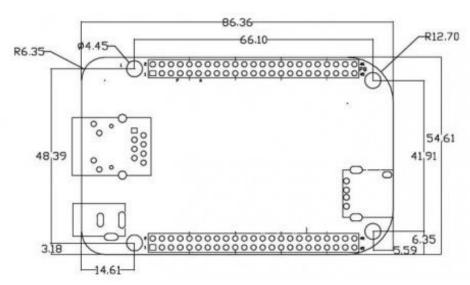


WIZnet W5500 and supporting components reside on bottom

3D-Printed Case Rev1

 Mockup, Dimensions will be finalized with calipers and enclosed around port holes.





Dimensions need to be verified with calipers

