Meeting Minutes: March 30, 2016

Team: grEEn

Team Leader: David

Note Taker: Bridget

Present: Kara, Dr. Schafer

Board Design Comments:

* Need GPIO0 transmit receive - either reset or CHPD
* GPIO16 to reset pin - with CHPD
* CHPD needs to be pulled high
* 15 needs to be pulled low
* Not the right USB, use mini USB
* LED too large, need one little service MOD LED
* Get rid of switches
* Capacitors need to be surface mount not through the hole (0805/ 0603 package)
* Top of board polygons
* Ground plane on bottom - anywhere but under antenna
* Resistors shouldn’t be through hole, also need to be surface mount parts
* Heat requirement: spec calls for polygons to get rid of heat
* Position of the battery connector needs to be thought out
* Cut paper board out and try connecting different boards/ size of battery
* Pulls ups on STA/ SCI - 10k? (in spec sheet)
* Bigger resistor you have to slow down
* Use standard wire for molex connectors
* Printing in Tnames layer not copper layer
* Makes names useful ex. Con1
* Smash parts (can move labels)