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Revision Notes/Changelog

Revision A:

-Diode mod required to power over USB

Revision B:

- -Add diodes to enable power from USB
- -Connect ESP reset and boot select pins to ARM for auto-programming
- -Connect ESP TX1 pin to ARM for LED control
- -Move I2C_SDA to ESP pin 12
- -Connect accelerometer interrupt pin to ESP pin 13
- -Remove ground planes under ESP8266 antenna area
- -Add jumper pad for entering boot mode on ARM processor
- -Hook LED_OE or similar to the row driver MUX
- -Bring unused ESP pins to pads
- -Add TS silkscreen

Revision D:

- -Replace ARM JTAG connector with test points for automated programming
- -Change value of pullup resistors from 10k to 47k
- -Update filter caps for 3.3V regulator
- -Add test pads for production

TODO

- -Implement more user friendly expansion pads for the ESP
- -Cosmetic: ESP8266 GPIO 18mislabeled, should be 16
- -Characterize the power situation
- -test a flush-mount USB connector

eightbyeight 7/9/16 12:54 AM

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