EightByEight Blinky Badge Copyright 2016 Blinkinlabs, LLC 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 -Implement more user friendly expansion pads for the ESP -Cosmetic: ESP8266 GPIO 18mislabeled, should be 16 -With LED_HS_EN, should LED_OE still be connected to the mux? -Characterize the power situation

eightbyeight 6/29/16 2:52 PM

Sheet: 1/6









