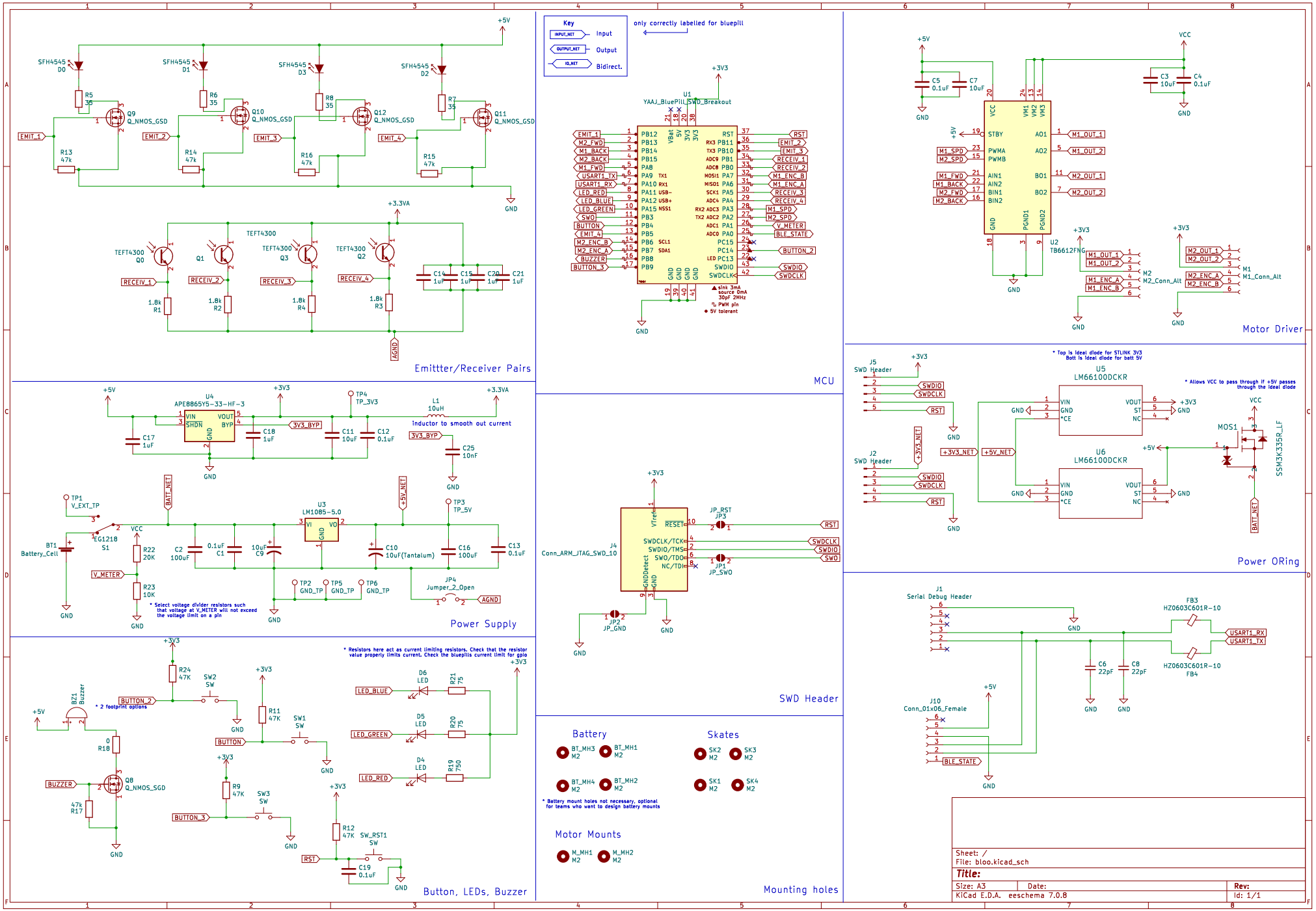
Emittter/Receiver Pairs
MCU
Motor Driver
Power Supply
SWD Header
Power ORing
Button, LEDs, Buzzer
Mounting holes
Battery
Skates
Motor Mounts
Key
Input
Output
Bidirect.
only correctly labelled for bluepill
U1
YAAJ_BluePill_SWD_Breakout
U2
TB6612FNG
U3
LM1085-5.0
U4
APE8865Y5-33-HF-3
U5
LM66100DCKR
U6
LM66100DCKR
J1
Serial Debug Header
J2
SWD Header
J4
Conn_ARM_JTAG_SWD_10
J5
SWD Header
J10
Conn_01x06_Female
Inductor to smooth out current
* Select voltage divider resistors such that voltage at V_METER will not exceed the voltage limit on a pin
* Resistors here act as current limiting resistors. Check that the resistor value properly limits current. Check the bluepillis current limit for gpio
* 2 footprint options
* Battery mount holes not necessary, optional for teams who want to design battery mounts
* Top is Ideal diode for STLINK 3V3
Bott is Ideal diode for batt 5V
* Allows VCC to pass through if +5V passes through the Ideal diode
Sheet: /
File: bloo.kicad_sch
Title:
Size: A3
Date:
Rev:
KiCad E.D.A. eeschema 7.0.8
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