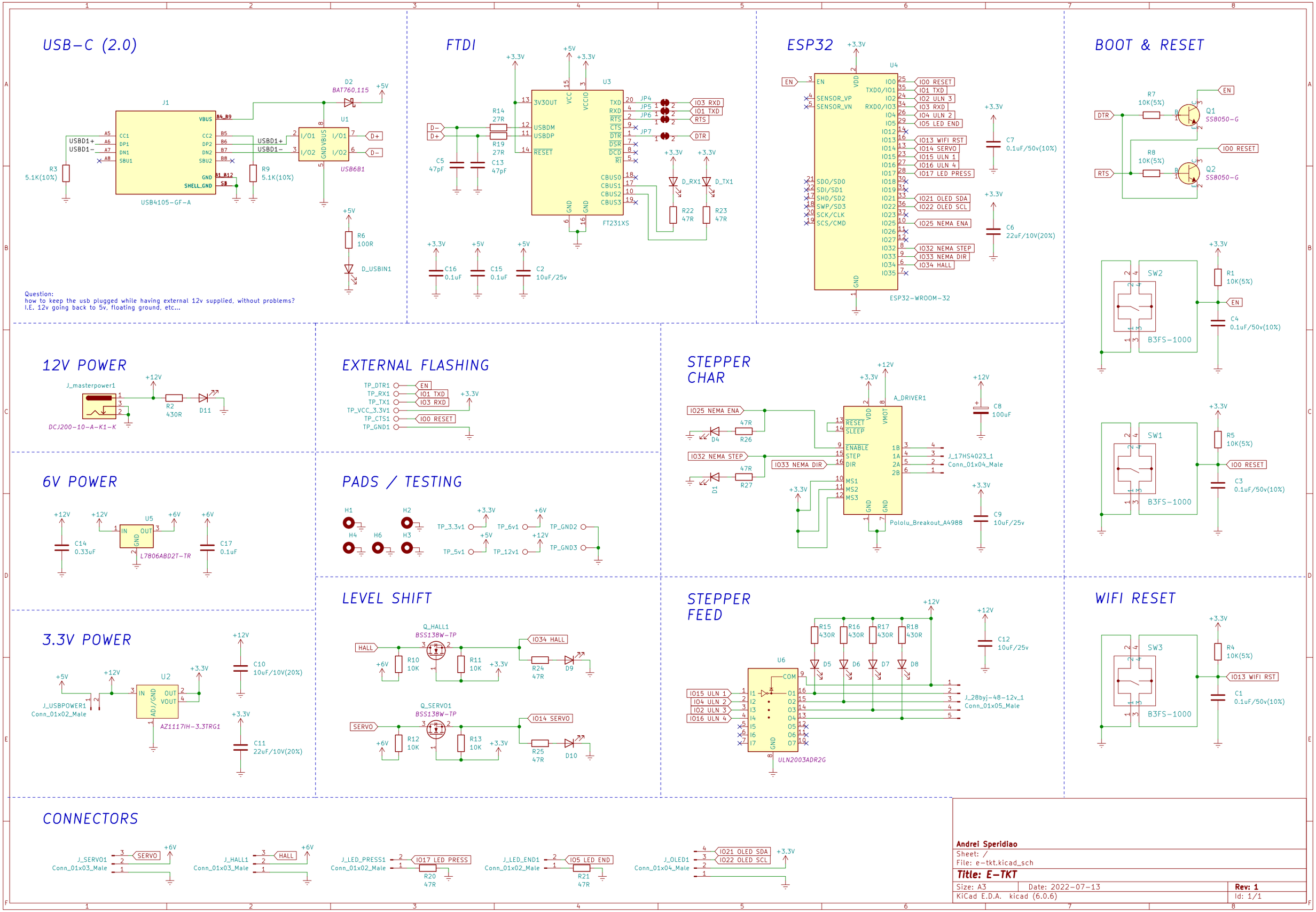
USB-C (2.0)
J1
USB4105-GF-A
D2
BAT760,115
U1
USB6B1
R3
5.1K(10%)
R9
5.1K(10%)
R6
100R
D_USBIN1
Question:
how to keep the usb plugged while having external 12v supplied, without problems?
I.E. 12v going back to 5v, floating ground, etc...
FTDI
U3
FT231XS
3V3OUT
USBDM
USBDP
RESET
VCC
VCCIO
TXD
RXD
RTS
CTS
DTR
DSR
DCD
RI
CBUS0
CBUS1
CBUS2
CBUS3
GND
R14
27R
R19
27R
C5
47pF
C13
47pF
C16
0.1uF
C15
0.1uF
C2
10uF/25v
JP4
JP5
JP6
JP7
IO3 RXD
IO1 TXD
RTS
DTR
D_RX1
D_TX1
R22
47R
R23
47R
ESP32
U4
ESP32-WROOM-32
EN
SENSOR_VP
SENSOR_VN
SDO/SD0
SDI/SD1
SHD/SD2
SWP/SD3
SCK/CLK
SCS/CMD
IO0 RESET
IO1 TXD
IO2 ULN 3
IO3 RXD
IO4 ULN 2
IO5 LED END
IO13 WIFI RST
IO14 SERVO
IO15 ULN 1
IO16 ULN 4
IO17 LED PRESS
IO21 OLED SDA
IO22 OLED SCL
IO25 NEMA ENA
IO32 NEMA STEP
IO33 NEMA DIR
IO34 HALL
C7
0.1uF/50v(10%)
C6
22uF/10V(20%)
BOOT & RESET
R7
10K(5%)
R8
10K(5%)
Q1
SS8050-G
Q2
SS8050-G
SW2
B3FS-1000
R1
10K(5%)
C4
0.1uF/50v(10%)
SW1
R5
10K(5%)
C3
0.1uF/50v(10%)
12V POWER
J_masterpower1
DCJ200-10-A-K1-K
R2
430R
D11
EXTERNAL FLASHING
TP_DTR1
TP_RX1
TP_TX1
TP_VCC_3.3V1
TP_CTS1
TP_GND1
STEPPER CHAR
A_DRIVER1
Pololu_Breakout_A4988
J_17HS4023_1
Conn_01x04_Male
D4
R26
D1
R27
C8
100uF
C9
10uF/25v
6V POWER
U5
L7806ABD2T-TR
C14
0.33uF
C17
0.1uF
PADS / TESTING
H1
H2
H4
H6
H3
TP_3.3v1
TP_6v1
TP_GND2
TP_5v1
TP_12v1
TP_GND3
3.3V POWER
U2
AZ1117IH-3.3TRG1
J_USBPOWER1
Conn_01x02_Male
C10
10uF/10V(20%)
C11
22uF/10V(20%)
LEVEL SHIFT
Q_HALL1
BSS138W-TP
Q_SERVO1
BSS138W-TP
HALL
SERVO
R10
10K
R11
10K
R12
10K
R13
10K
R24
47R
R25
47R
D9
D10
STEPPER FEED
U6
ULN2003ADR2G
R15
430R
R16
430R
R17
430R
R18
430R
D5
D6
D7
D8
C12
10uF/25v
J_28byj-48-12v_1
Conn_01x05_Male
WIFI RESET
SW3
B3FS-1000
R4
10K(5%)
C1
0.1uF/50v(10%)
CONNECTORS
J_SERVO1
Conn_01x03_Male
J_HALL1
Conn_01x03_Male
J_LED_PRESS1
Conn_01x02_Male
R20
47R
J_LED_END1
Conn_01x02_Male
R21
47R
J_OLED1
Conn_01x04_Male
Andrei Speridiao
Sheet: /
File: e-tkt.kicad_sch
Title: E-TKT
Size: A3
Date: 2022-07-13
Rev: 1
KiCad E.D.A. kicad (6.0.6)
Id: 1/1