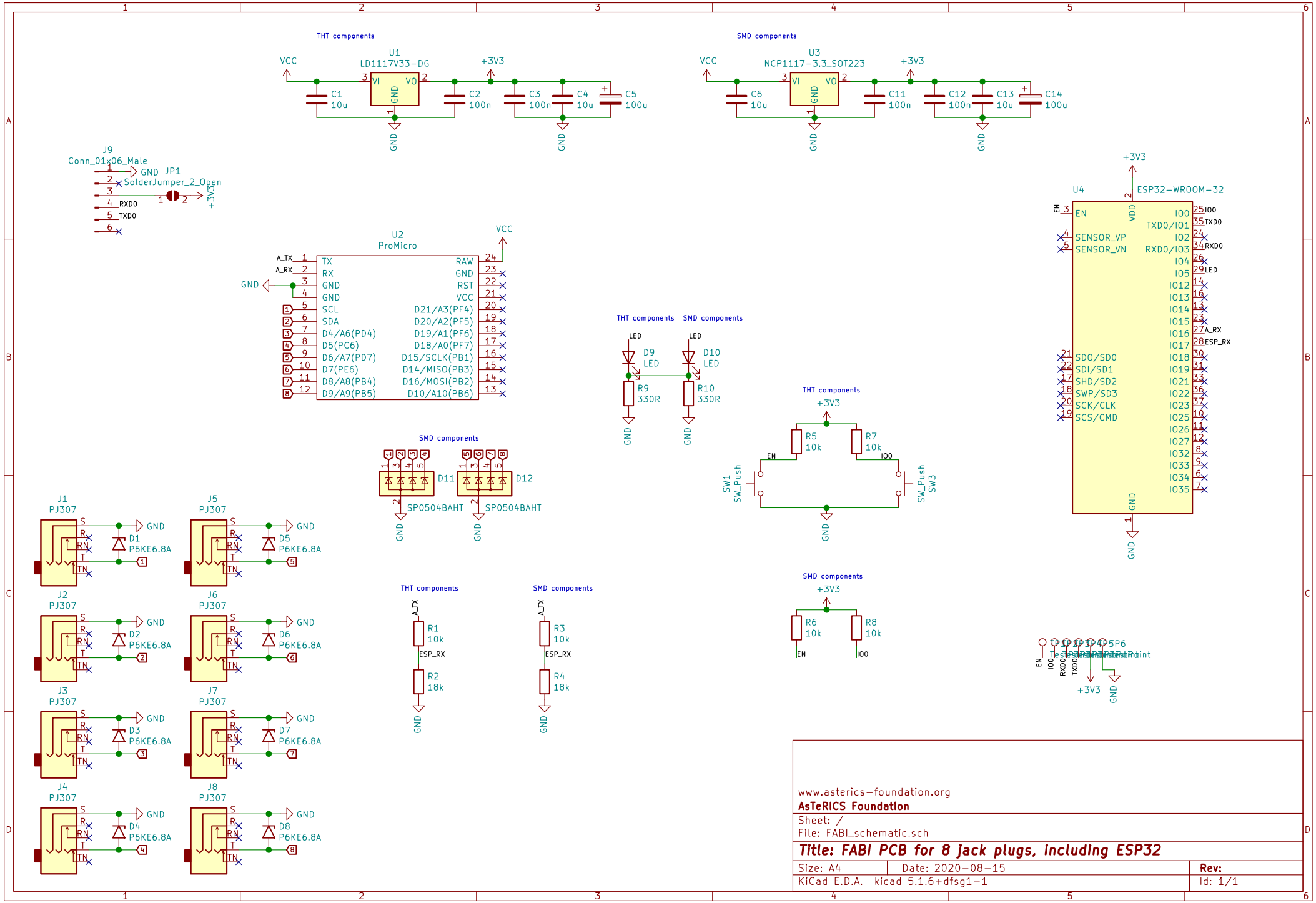
THT components
U1
LD1117V33-DG
VCC
+3V3
C1 10u
C2 100n
C3 100n
C4 10u
C5 100u
GND
SMD components
U3
NCP1117-3.3_SOT223
C6 10u
C11 100n
C12 100n
C13 10u
C14 100u
J9
Conn_01x06_Male
JP1
SolderJumper_2_Open
RXD0
TXD0
U2
ProMicro
A_TX
A_RX
TX
RX
RAW
RST
SCL
SDA
D21/A3(PF4)
D20/A2(PF5)
D4/A6(PD4)
D19/A1(PF6)
D5(PC6)
D18/A0(PF7)
D6/A7(PD7)
D15/SCLK(PB1)
D7(PE6)
D14/MISO(PB3)
D8/A8(PB4)
D16/MOSI(PB2)
D9/A9(PB5)
D10/A10(PB6)
U4
ESP32-WROOM-32
EN
VDD
SENSOR_VP
SENSOR_VN
IO0
TXD0/IO1
IO2
RXD0/IO3
IO4
IO5
LED
A_RX
ESP_RX
SDO/SD0
SDI/SD1
SHD/SD2
SWP/SD3
SCK/CLK
SCS/CMD
D9 LED
D10 LED
R9 330R
R10 330R
R5 10k
R7 10k
SW1 SW_Push
SW3 SW_Push
D11
D12
SP0504BAHT
J1 PJ307
J2 PJ307
J3 PJ307
J4 PJ307
J5 PJ307
J6 PJ307
J7 PJ307
J8 PJ307
D1 P6KE6.8A
D2 P6KE6.8A
D3 P6KE6.8A
D4 P6KE6.8A
D5 P6KE6.8A
D6 P6KE6.8A
D7 P6KE6.8A
D8 P6KE6.8A
R1 10k
R2 18k
R3 10k
R4 18k
R6 10k
R8 10k
TP1
TP2
TP3
TP4
TP5
TP6
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File: FABI_schematic.sch
Title: FABI PCB for 8 jack plugs, including ESP32
Size: A4
Date: 2020-08-15
Rev:
KiCad E.D.A. kicad 5.1.6+dfsg1-1
Id: 1/1