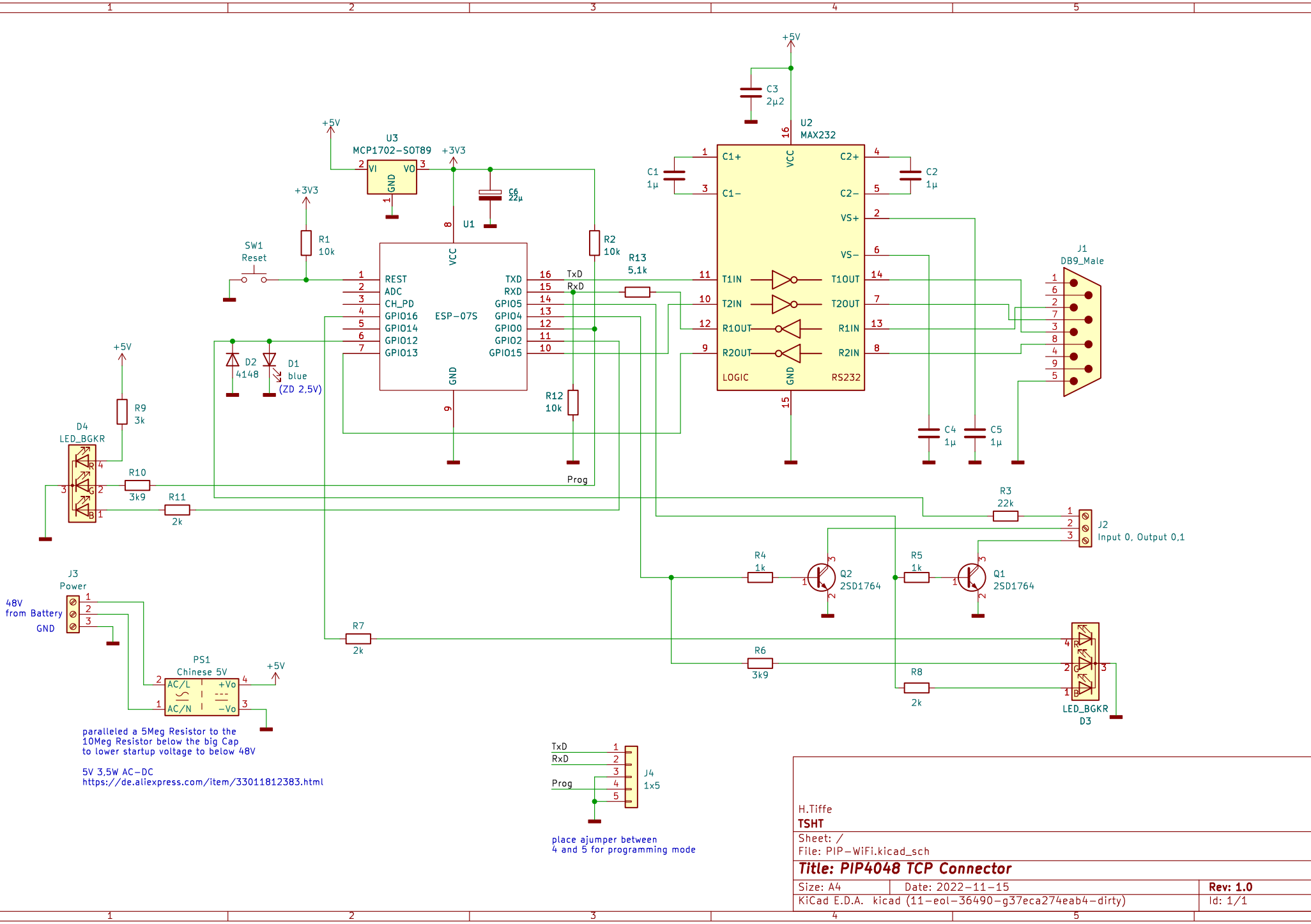
+5V
C3
2µ2
U2
MAX232
C1+
C1−
VCC
C2+
C2−
VS+
VS−
T1IN
T2IN
R1OUT
R2OUT
LOGIC
GND
T1OUT
T2OUT
R1IN
R2IN
RS232
C1
1µ
C2
1µ
C4
1µ
C5
1µ
J1
DB9_Male
U3
MCP1702−SOT89
VI
VO
GND
+3V3
C6
22µ
U1
ESP−07S
REST
ADC
CH_PD
GPIO16
GPIO14
GPIO12
GPIO13
TXD
RXD
GPIO5
GPIO4
GPIO0
GPIO2
GPIO15
TxD
RxD
Prog
SW1
Reset
R1
10k
R2
10k
R13
5,1k
R12
10k
D2
4148
D1
blue
(ZD 2,5V)
R9
3k
D4
LED_BGKR
R10
3k9
R11
2k
R3
22k
J2
Input 0, Output 0,1
R4
1k
Q2
2SD1764
R5
1k
Q1
2SD1764
R7
2k
R6
3k9
R8
2k
LED_BGKR
D3
J3
Power
48V
from Battery
GND
PS1
Chinese 5V
AC/L
AC/N
+Vo
−Vo
paralleled a 5Meg Resistor to the
10Meg Resistor below the big Cap
to lower startup voltage to below 48V
5V 3,5W AC−DC
https://de.aliexpress.com/item/33011812383.html
J4
1x5
place ajumper between
4 and 5 for programming mode
H.Tiffe
TSHT
Sheet: /
File: PIP−WiFi.kicad_sch
Title: PIP4048 TCP Connector
Size: A4
Date: 2022−11−15
Rev: 1.0
KiCad E.D.A. kicad (11−eol−36490−g37eca274eab4−dirty)
Id: 1/1