J2
AC OUT

J3 J4

+5V   +3.3V   +3.3V

D3
D5
D6
D7   +3.3V
D8
D9
D11

C6
C

U3
TYWE2S

R7
1K

R9
1K

1 3V3   GPIO5 2
3 GND   GPIO4 4
5 RXD   GPIO13 6
7 TXD   Tout   8
9 GPIO12   RST   10
11 GPIO14

W36-1AT
K1

Q1
Q_NPN_BCE

GND
R11
1K

GND   GND   GND

PB1   R1
10K   +3.3V

C9
C

F1
2A

RV1
Varistor

GND

D10
D   L3
L

R1   R2
1M5   1M5

R3   R4
10K   36K

+5V   +3.3V

U2
AP1117-33

C3   C4
3u3   3u3

U1
SY50282

8 LX   GND 1
7 LX   Iset 2
6 LX   Vin 3
5 LX   Vsen 4

R5
R82

L2
L

3 VI VO 2
   GND
   1

R6
15R

GND

D1
ES1M

C1
C

GND

C5
470u

GND

C7
C

GND

GND

C8
C

GND

C10
C

GND

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Sheet: /
File: power_se.sch

Title: Marmitek Power SE WiFi Plug

Size: A4   Date: Rev: **1.0**
KiCad E.D.A. kicad 5.0.2+dfsg1-1   Id: 1/1

J1
AC IN