RF4
FCR1206J56R0P05Z
220L1

C1
82X20069

D5
BAT54A

D1
ZMM5V6

C3
200x16V

C4
1.0

U4
TLV70433DBVR
2 IN   OUT 3
4 NC   NC 5
1 GND

C5
1.0

+3.3V

GND

J1
Input
1
2
220L

J2 Out-L
J5 Out-N

R1

JER2512F3R060

GND

Max - ±42mV p-p
(30 mV RMS)

C6 68nF
C7 68nF

GND

R5 510
R6 510

R7 1M

220L3

R4 1M

D4
D6 DSK34

Max - ±100mV p-p
(70mV RMS)

R12 510
C11 68nF

GND

U1
BL0942
1 VDD   TX/SDO 10
2 IP   RX/SDI 9
3 IN   SCLK_BPS 8
4 VP   SEL 7
5 GND   CF1 6

+3.3V
+3.3V
GND
GND

C8 1.0
C9 1.0
C10 1.0

+3.3V

GND

UART2

U2
PY32F003F18P6TU
PRG-TX 1 PA2   PA1 20
PRG-RX 2 PA3   PA0 19
3 PA4   PF2-NRST 18
4 PA5   PF1-OSCOUT 17
5 PA6   PF0-OSCIN 16
6 PA7   PF4-BOOT0 15   PRG-BOOT0
7 VSS   PB7 14
+3.3V 8 PA12   PB6 13
GND 9 VCC   PB5 12   PRG-SWC
PRG-SWD 10 PA13-SWD PA14-SWC 11

J3
PROG/SWD
PRG-RST a1   b1 PRG-BOOT0
PRG-SWC a2   b2 PRG-SWD
PRG-RX a3   b3 PRG-TX
+3.3V   a4   b4 GND

R2 560
R3
PRG-RST

LED1
KP-2012SGC

GND

UART1

U3
CA-IS3721CHS
+3.3V 1 VDDA   VDDB 8   +V
2 VI1   VO1 7   TX
3 VO2   VI2 6   RX
GND 4 GNDA   GNDB 5   -V

J4
Data

C2
1.0

RoboWay
Sheet: /
File: powmeter.kicad_sch
Title: Mini Power Meter
Size: A4   Date:
KiCad E.D.A. 8.0.3
Rev:
Id: 1/1