SOLAR PANEL INPUT
CONN_2 P1
1 Vcc
2 GND

D1 STPS2L40U

R2 499k

R4 5k1
R3 5k1

R1 100k

C1 100uF

U1 LT3652EMSE
1 Vin
2 Vin_reg
3 SHDN
4 CHRG
5 FAULT
6 TIMER
12 SW
11 BOOST
10 SENSE
9 BAT
8 NTC
7 Vfb
13 GND

C3 1uF

D4 STPS2L40U

D5 BZX84C6V2

D6 MBRS340

L1 22uH

R9 0R1

D2 LGN971
D3 LYN971

C2 4.7uF

R8 309k

R7 174k

R5 100k

C5 10uF

D7 MBRS340

C4 10uF
C6 100uF

SYSTEM LOAD
P2 CONN_2
+ 1
– 2

BATTERY
P3 CONN_2
+ 1
– 2

R10 1M

D8 1N4148W-V

TH1 10k B=3.380

R6 910R

STATUS OUTPUT
CONN_3 P4
1 FAULT
2 CHARGE
3 GND

Logos
ACRONET [x] LG1
OSHW [x] LG2

Mounting Holes
⊗ MH1
⊗ MH2
⊗ MH3
⊗ MH4

AcroBoard Power v01 r04

open source hardware