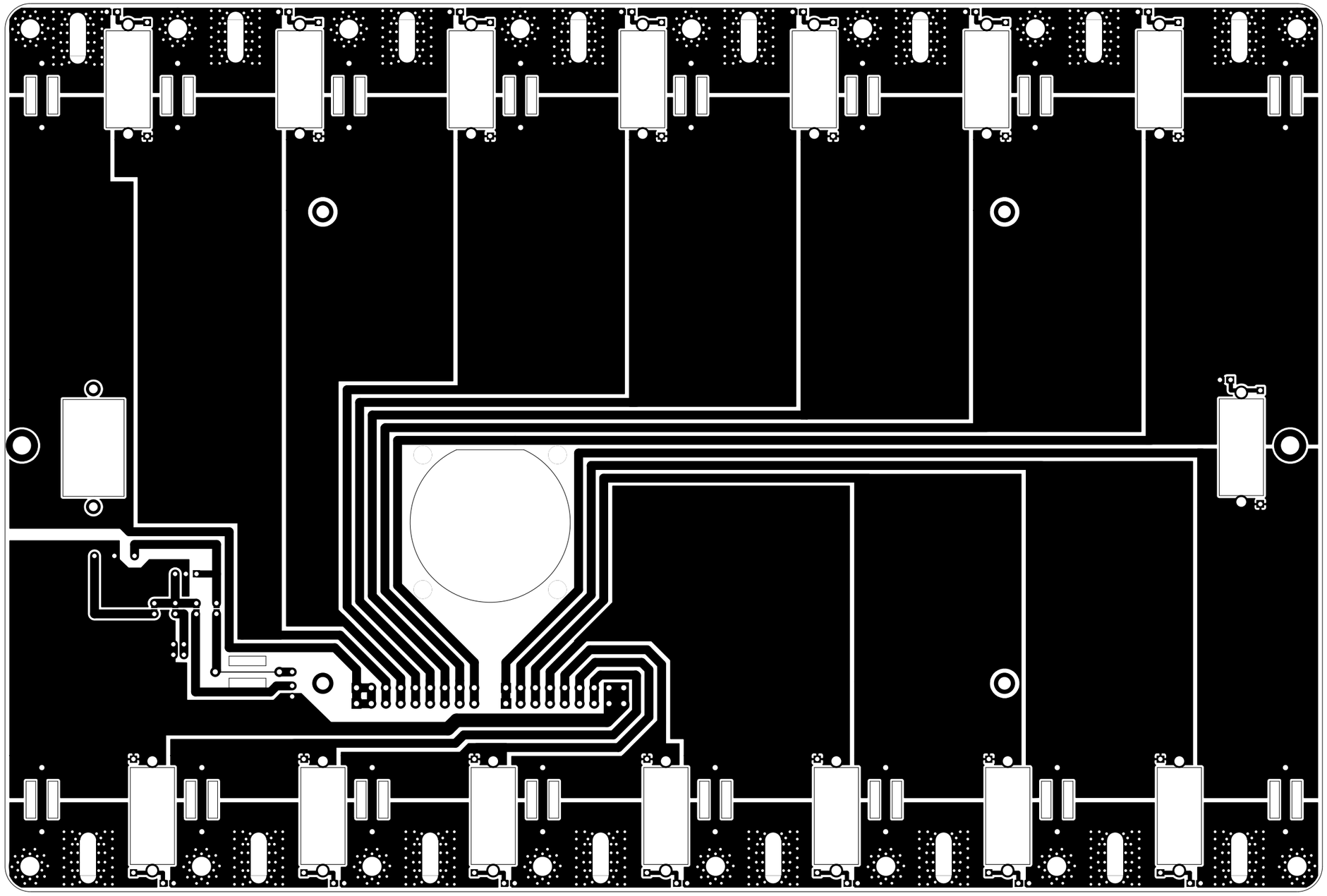
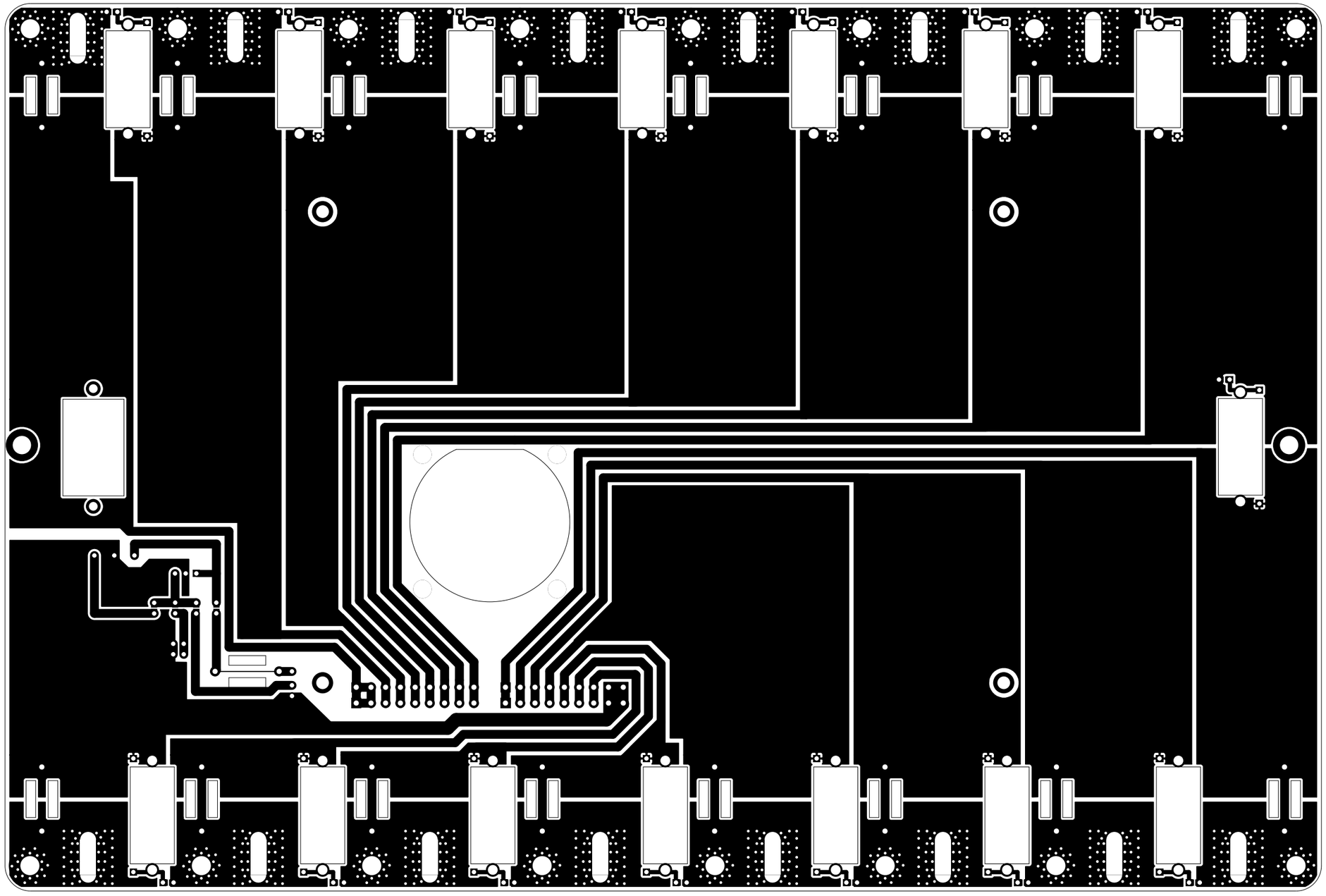
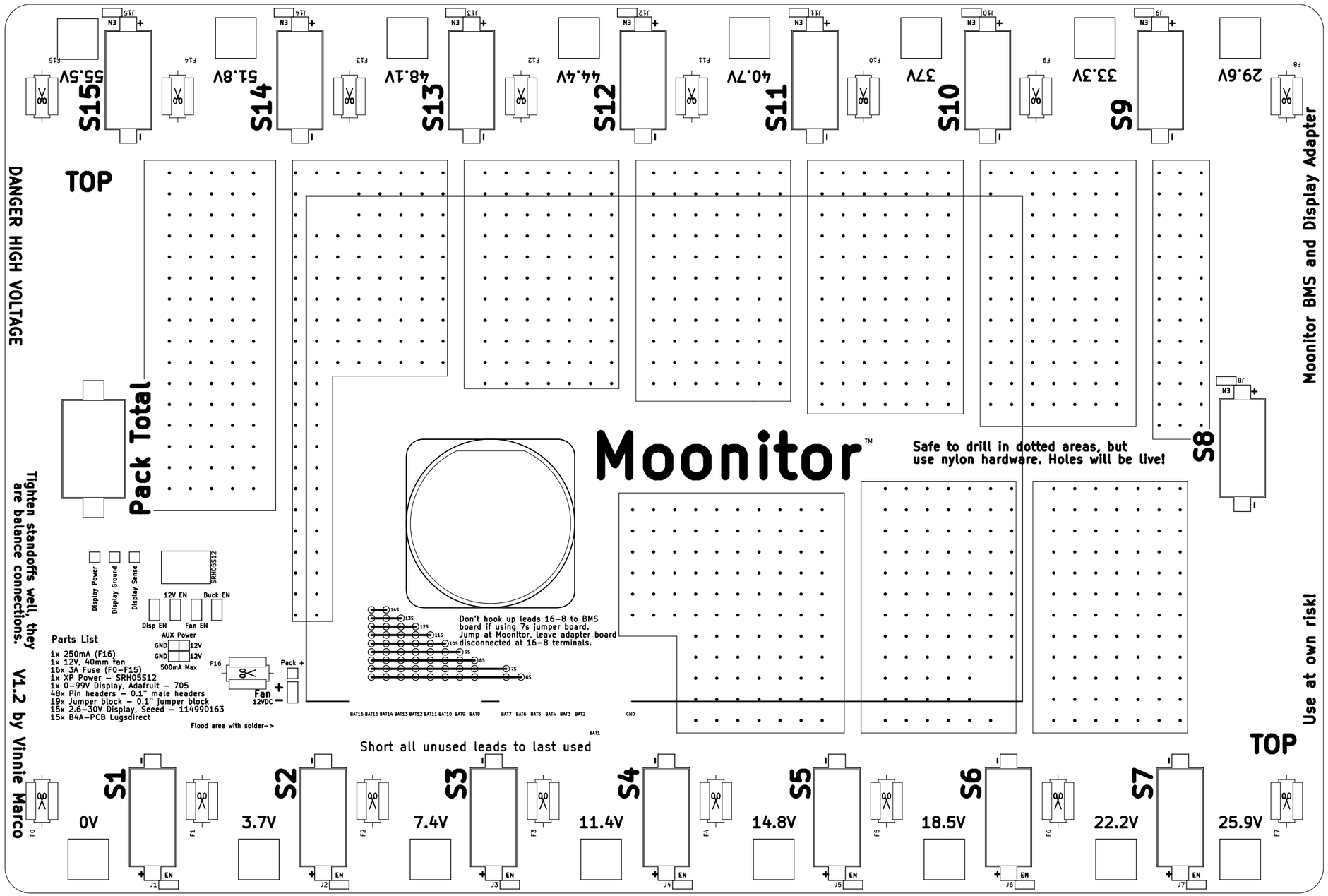
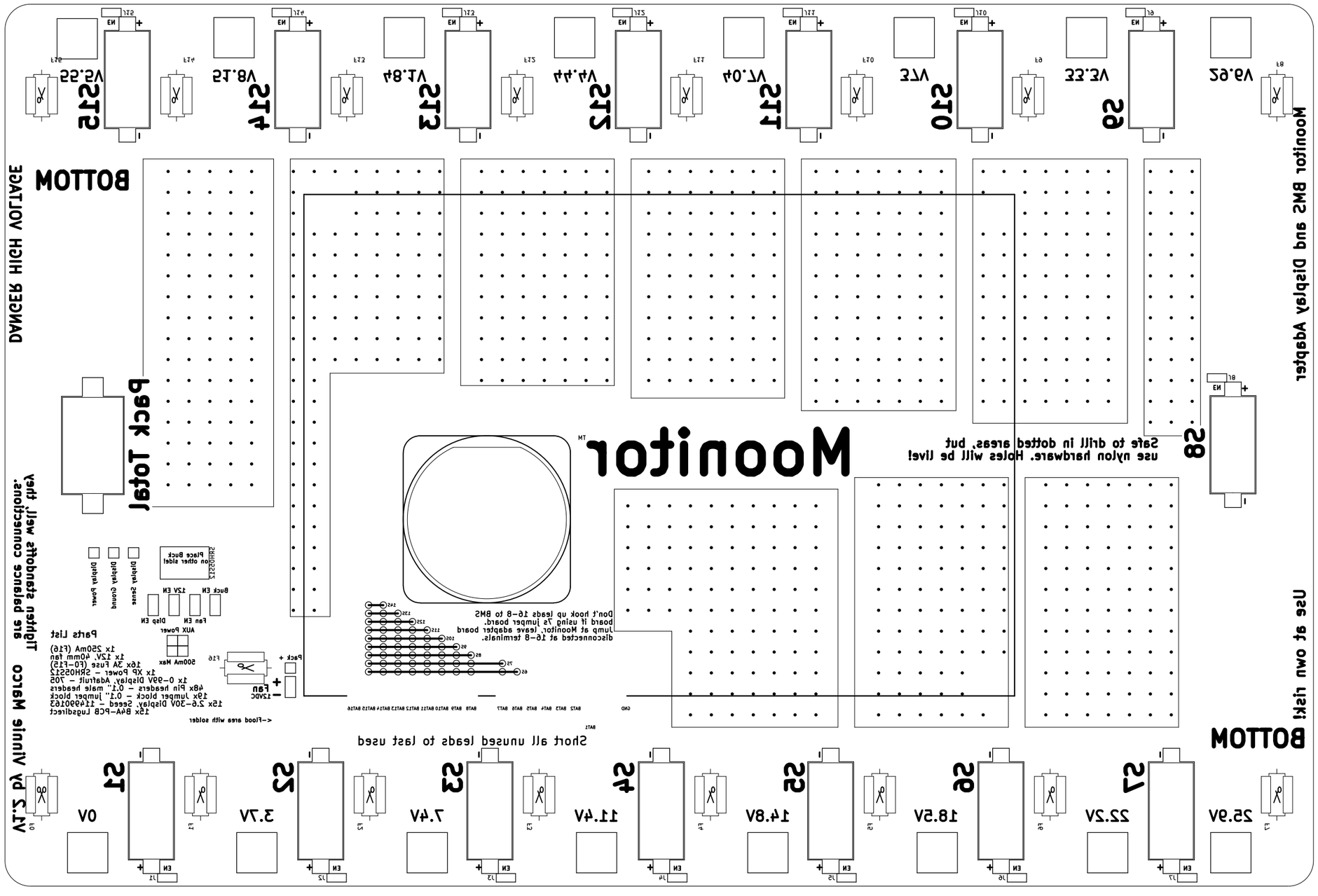
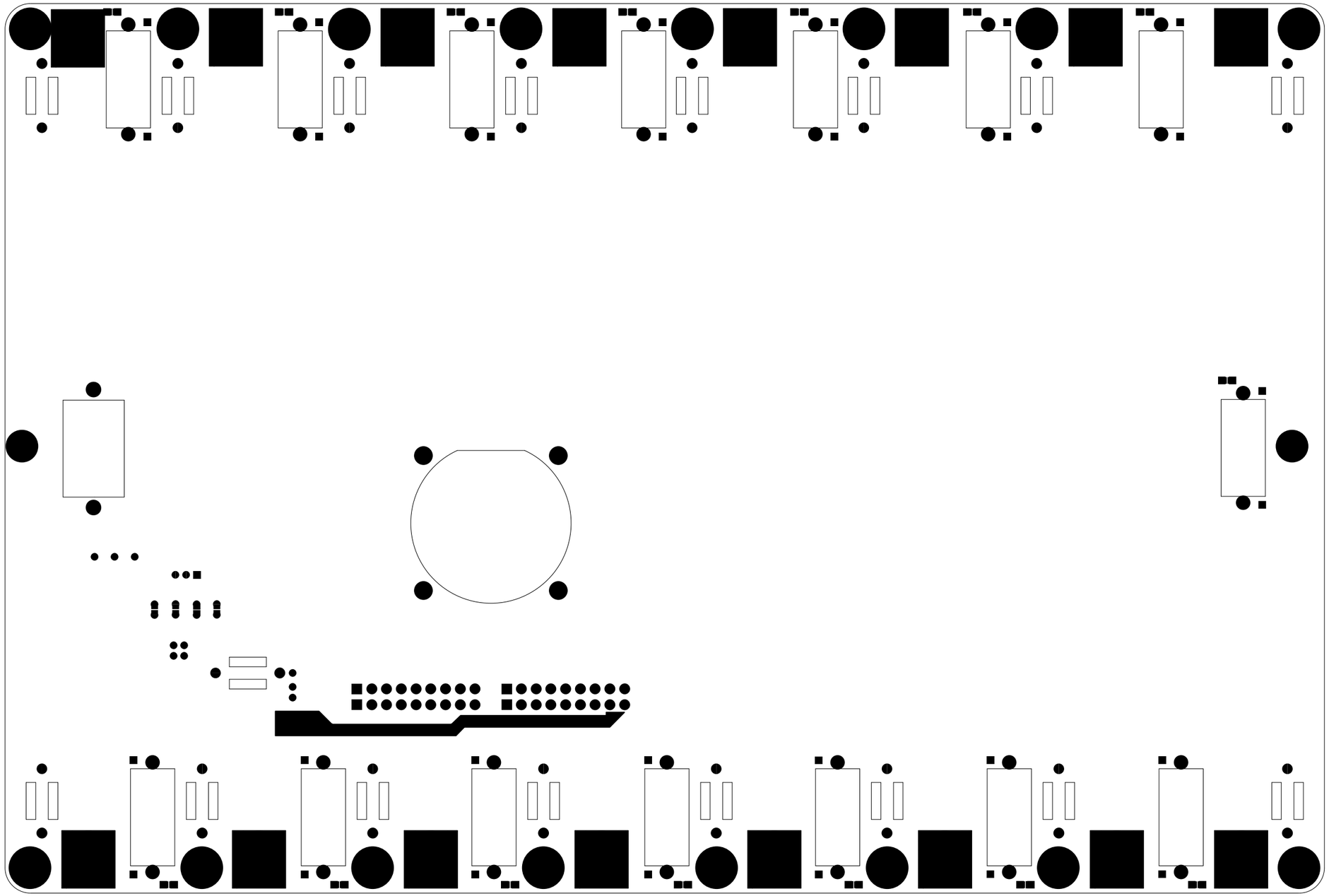
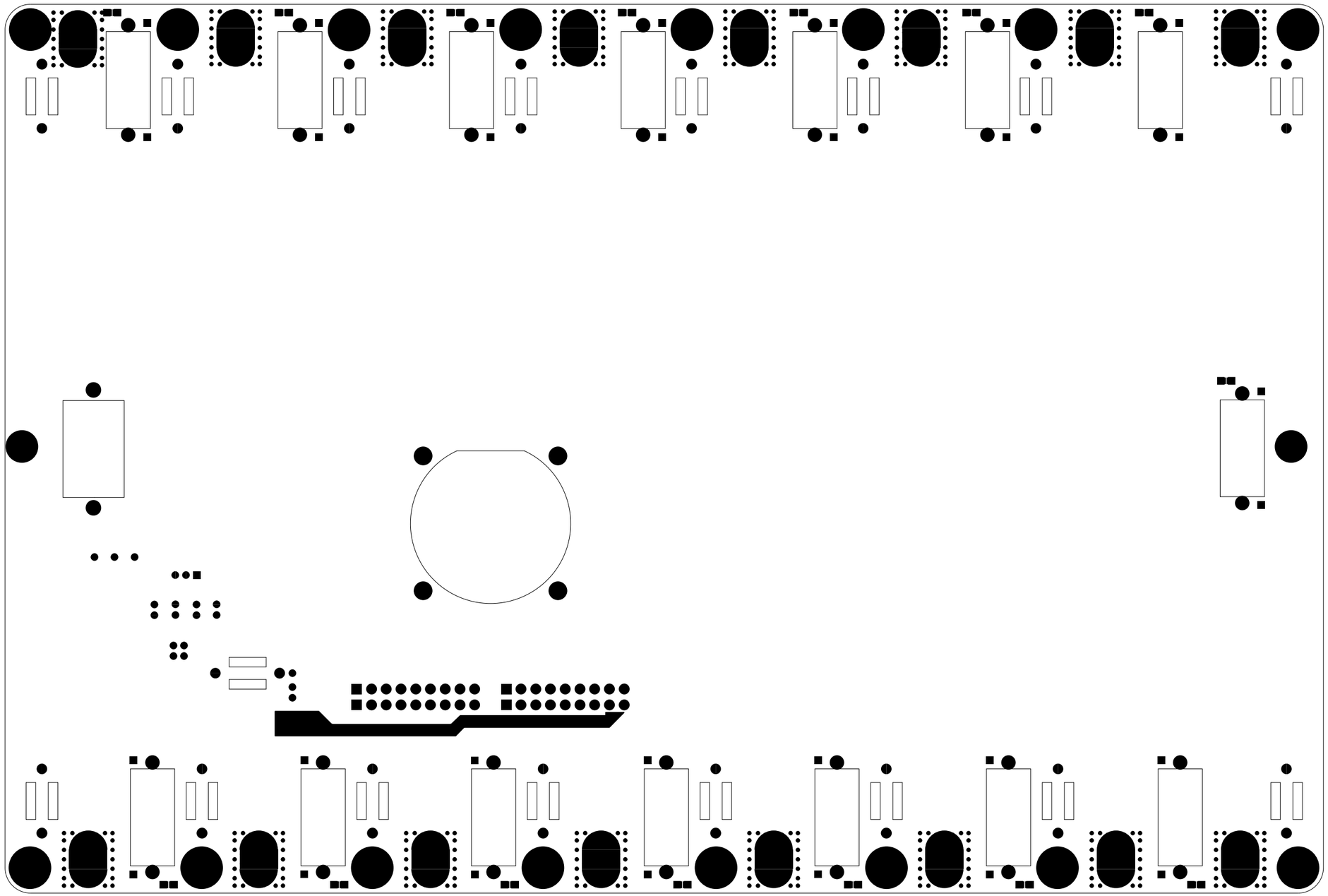
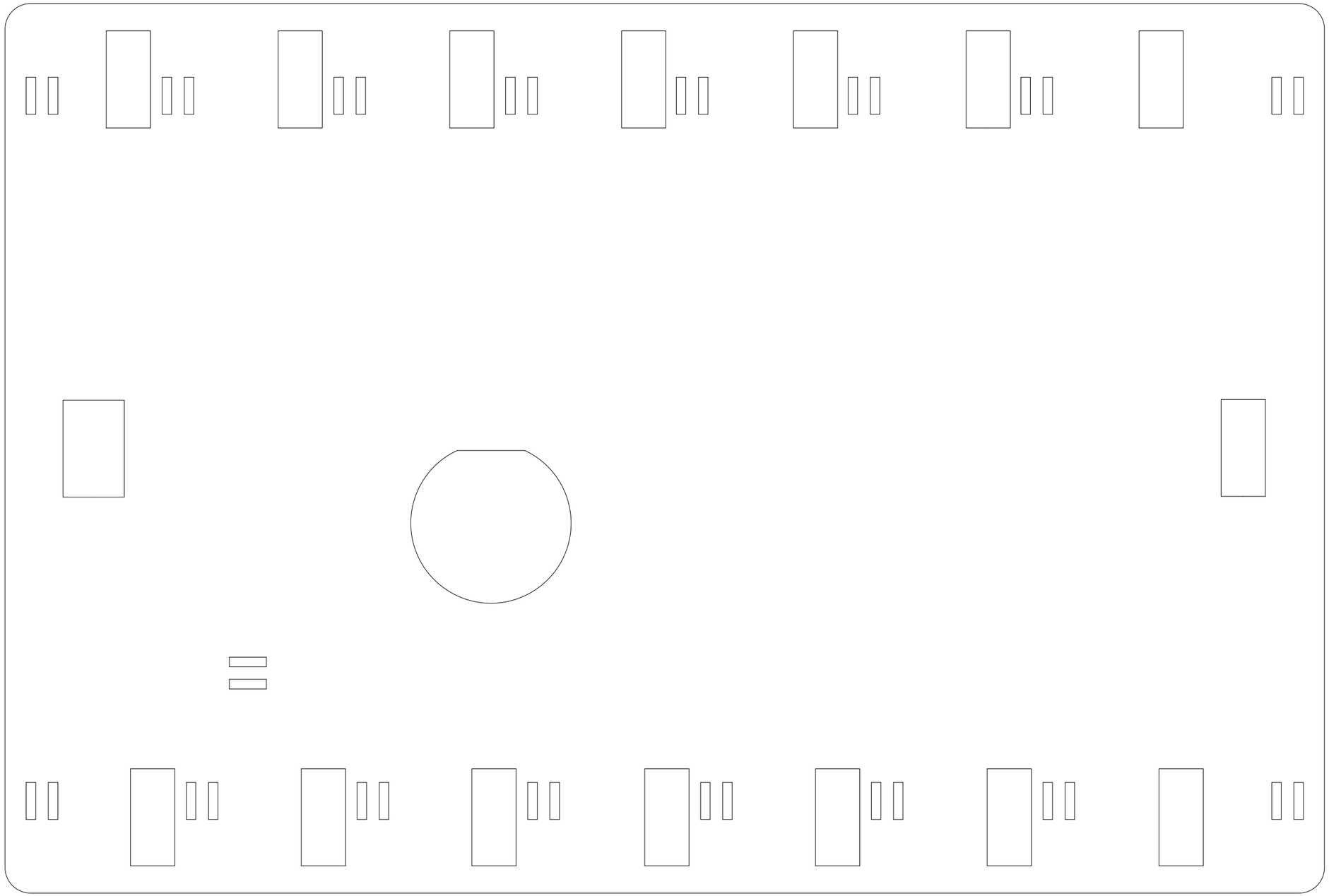





Moonitor BMS and Display Adapter
DANGER HIGH VOLTAGE
Use at own risk!
Tighten standoffs well, they are balance connections.
V1.2 by Vinnie Marco
TOP
TOP
Moonitor™
Safe to drill in dotted areas, but use nylon hardware. Holes will be live!
Pack Total
S1
S2
S3
S4
S5
S6
S7
S8
S9
S10
S11
S12
S13
S14
S15
0V
3.7V
7.4V
11.4V
14.8V
18.5V
22.2V
25.9V
29.6V
33.3V
37V
40.7V
44.4V
48.1V
51.8V
55.5V
Short all unused leads to last used
Don't hook up leads 16-8 to BMS board if using 7s jumper board. Jump at Moonitor, leave adapter board disconnected at 16-8 terminals.
Parts List
1x 250mA (F16)
1x 12V, 40mm fan
16x 3A Fuse (F0-F15)
1x XP Power - SRH05S12
1x 0-99V Display, Adafruit - 705
48x Pin headers - 0.1" male headers
19x Jumper block - 0.1" jumper block
15x 2.6-30V Display, Seeed - 114990163
15x B4A-PCB Lugsdirect
Flood area with solder->
Display Power
Display Ground
Display Sense
SRH05S12
12V EN
Buck EN
Disp EN
Fan EN
AUX Power
GND 12V
GND 12V
500mA Max
F16
Pack +
Fan 12VDC
BAT16 BAT15 BAT14 BAT13 BAT12 BAT11 BAT10 BAT9 BAT8 BAT7 BAT6 BAT5 BAT4 BAT3 BAT2 BAT1 GND


Moonitor BMS and Display Adapter
DANGER HIGH VOLTAGE
BOTTOM
Back Total
Moonitor™
Safe to drill in dotted areas, but use nylon hardware. Holes will be live!
Short all unused leads to last used
Don't hook up leads 16-8 to BMS board if using J5 jumper board. Jump at Moonitor, leave adapter board disconnected at 16-8 terminals.
Parts List
1x 250mA (F16)
1x 12V, 40mm fan
16x 3A Fuse (F0-F15)
1x XP Power - SRH05012
1x 0-99V Display, Adafruit - 705
48x Pin header - 0.1" male header
13x Jumper block - 0.1" jumper block
13x 2.6-30V Display, Seeed - 114990103
13x B4A-PCB Lugsdirect
<-Flood area with solder
Place Buck on other side!
Buck EN
12V EN
Fan EN
Disp EN
AUX Power
Digital power
Digital ground
Sense digital
500mA Max
Pack +
Fan
12VDC
BOTTOM
Use at own risk!
Tightan standoffs well, they are balance connection.
V1.2 by Vinnie Marco
0V
3.7V
7.4V
11.4V
14.8V
18.5V
22.2V
25.9V
S8
S7
S6
S5
S4
S3
S2
S1
S0
V8.75
V7.84
V6.94
V5.55
V4.64
V3.70
V2.79
V1.89
V0.99