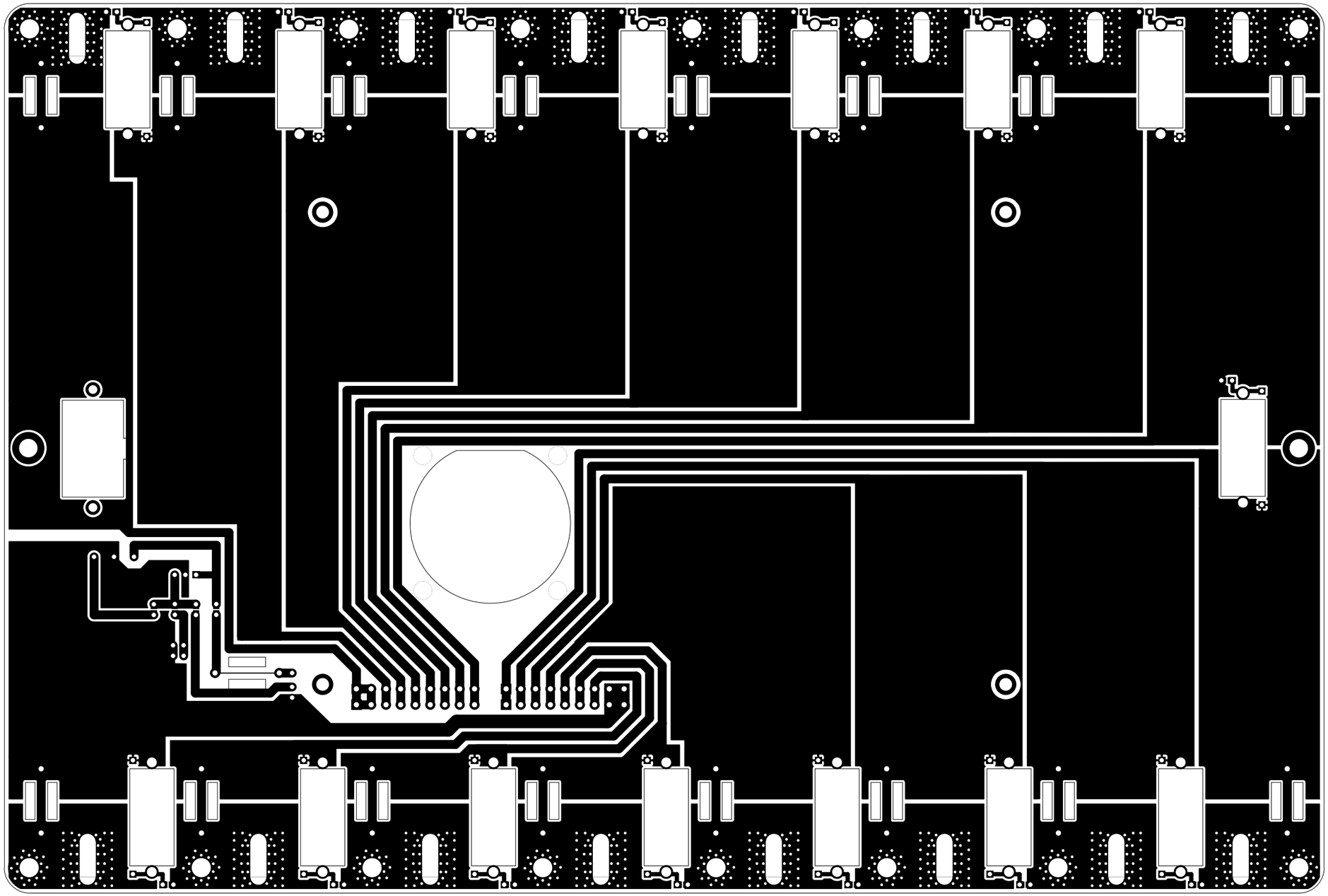
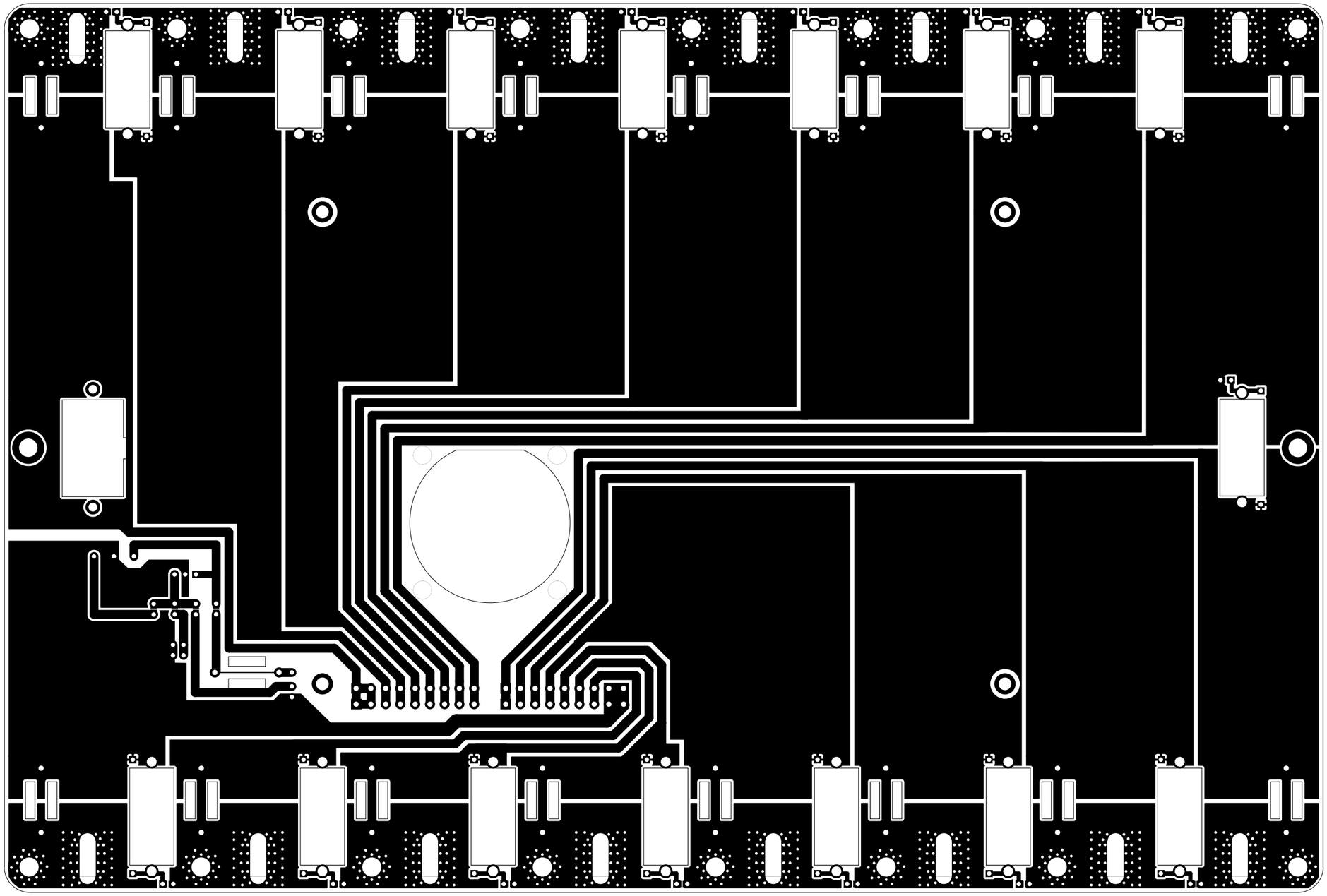
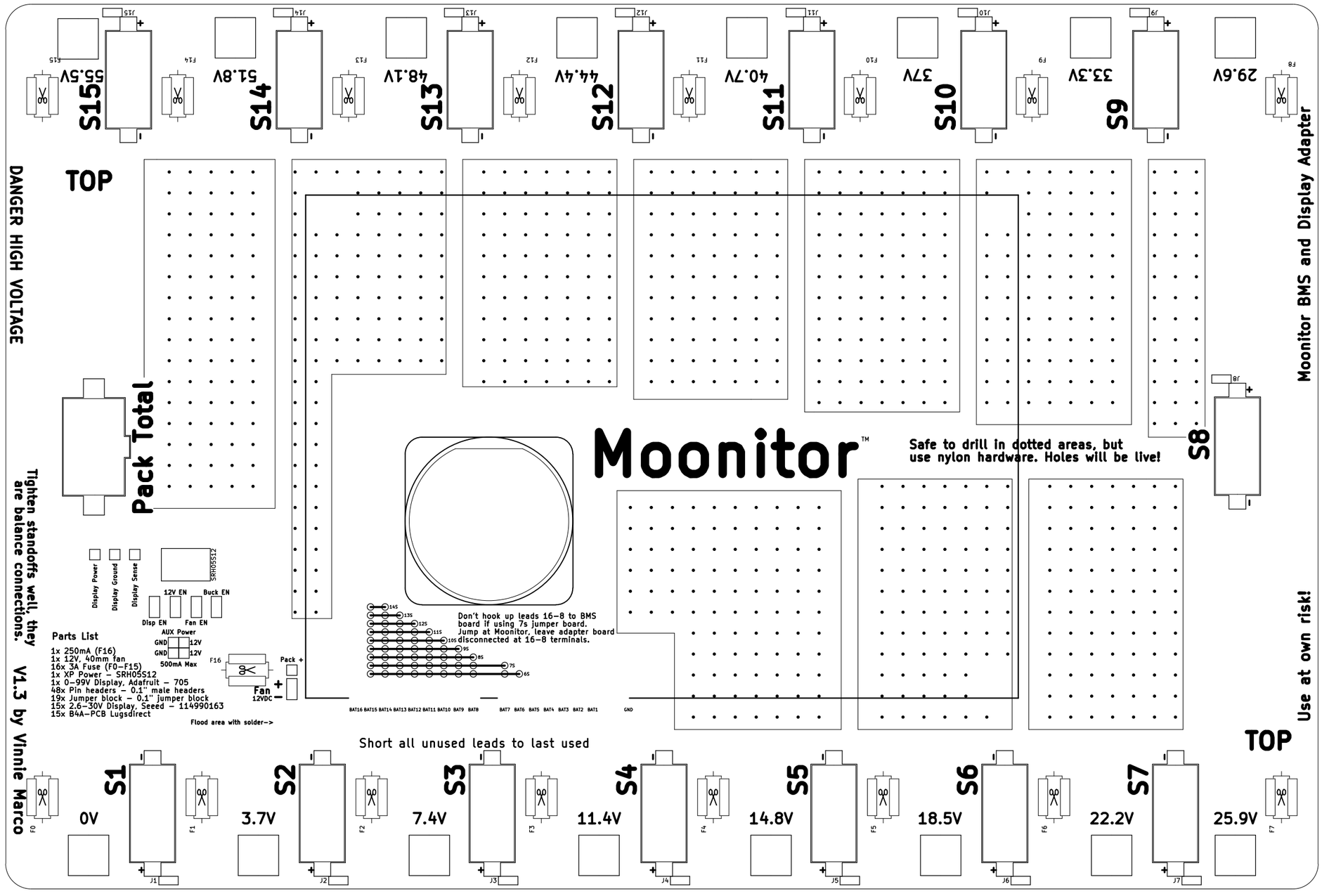
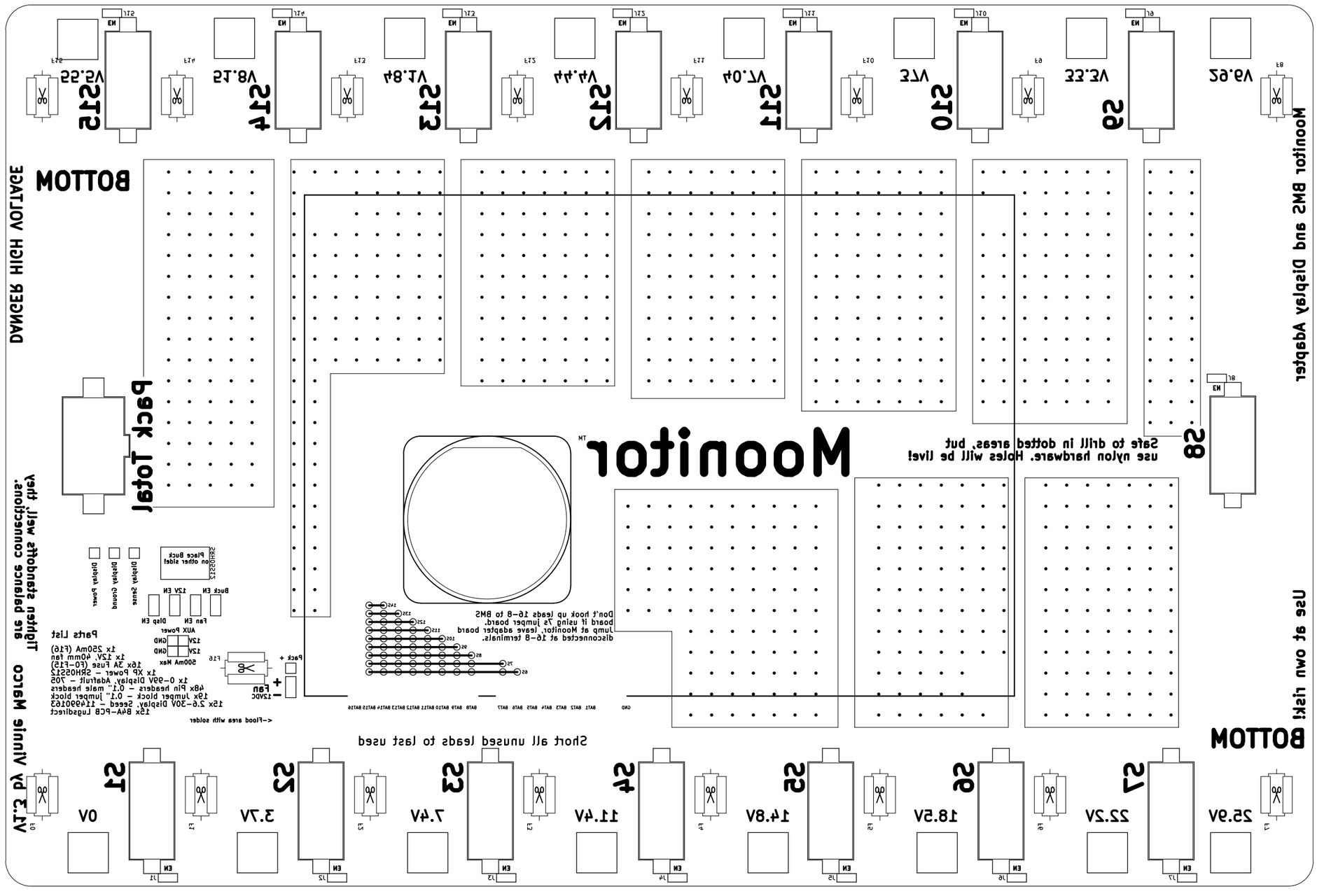
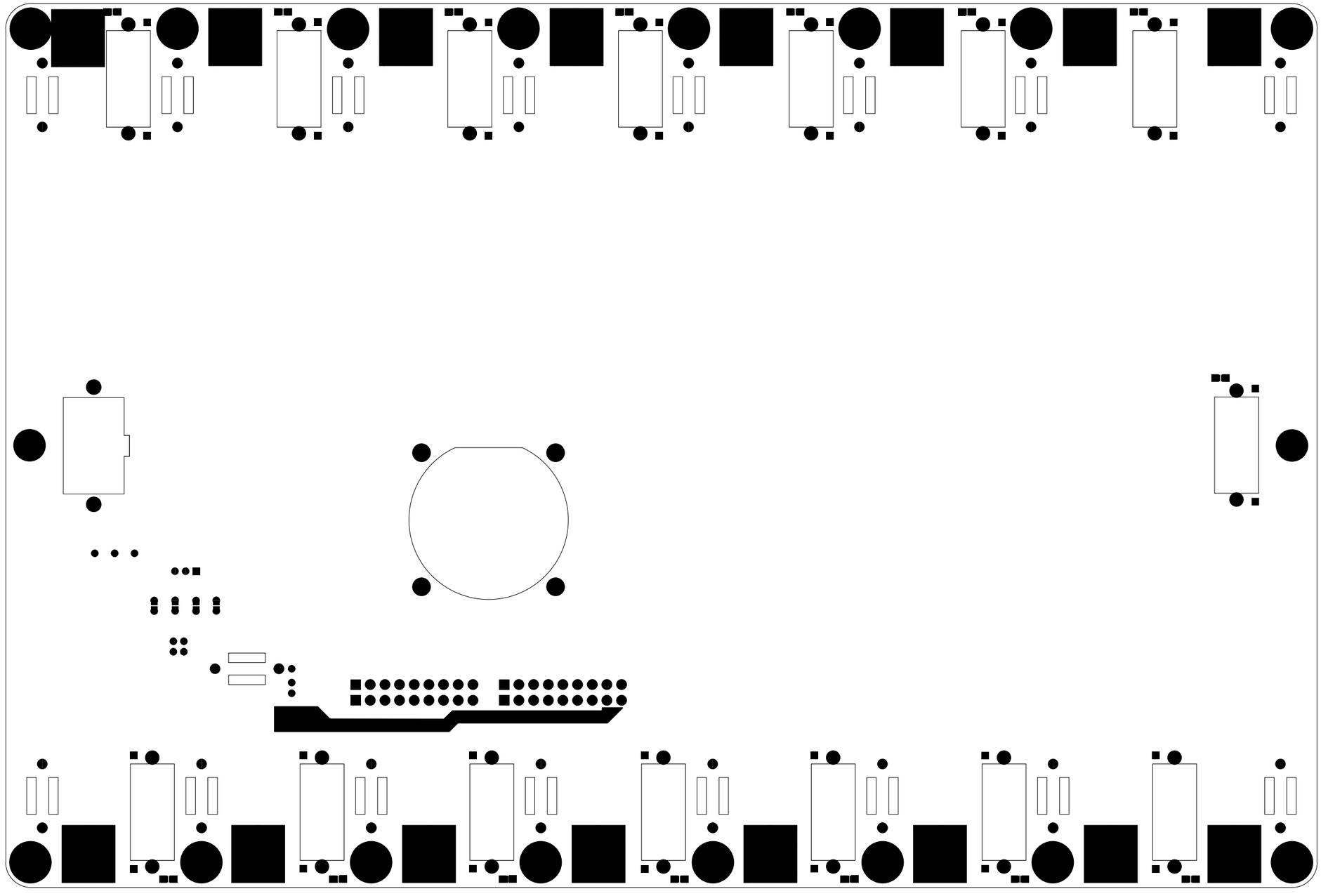
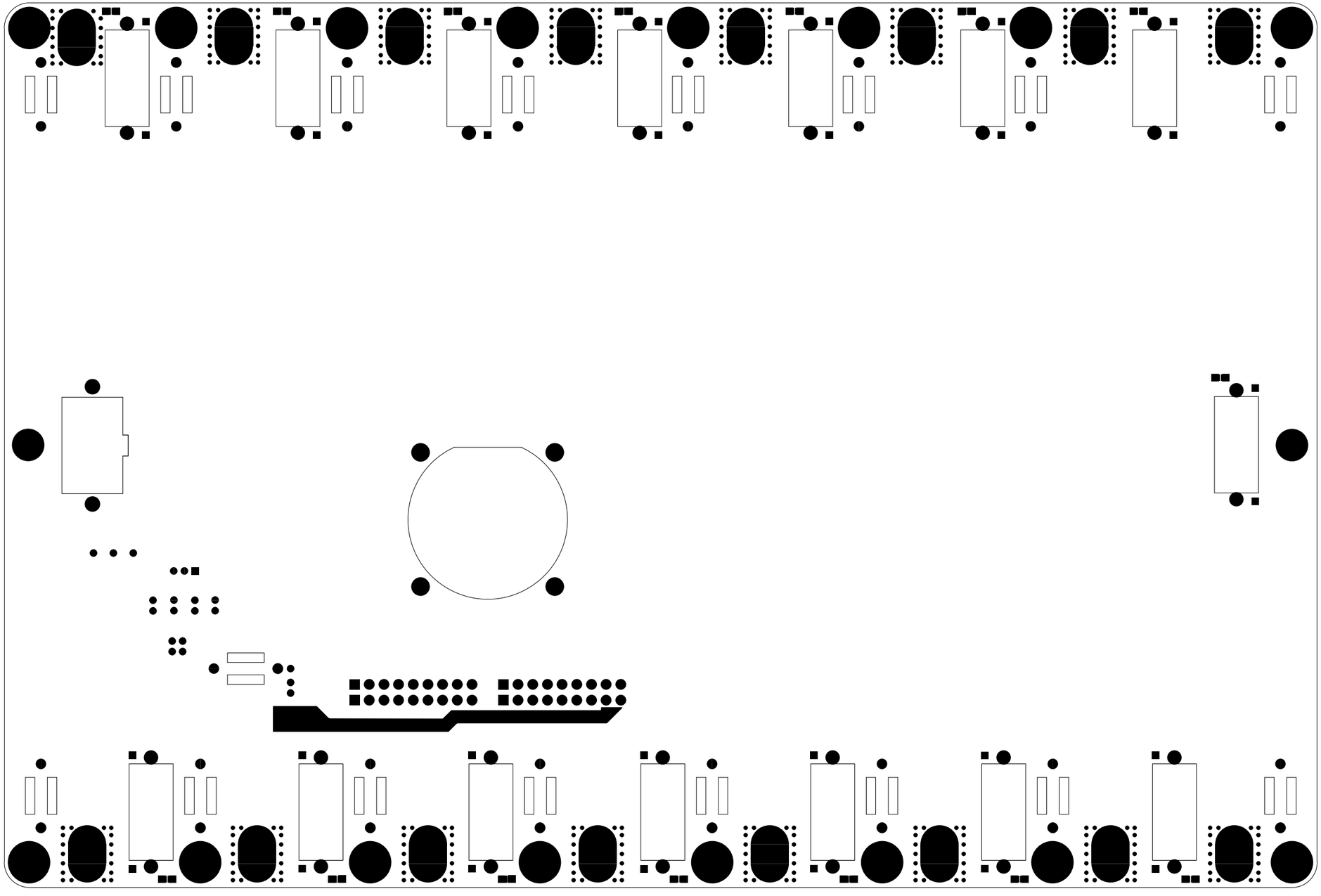
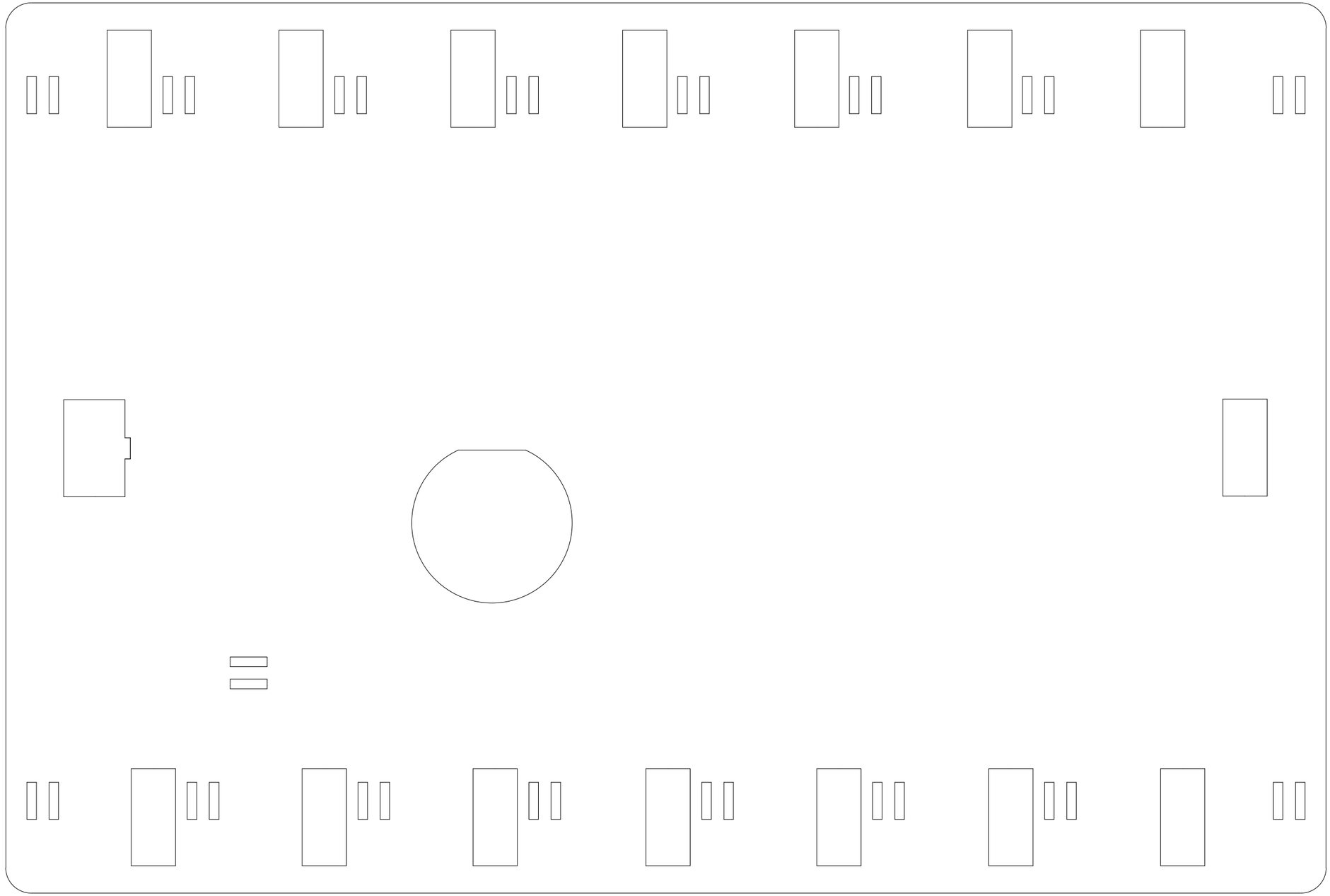





Moonitor BMS and Display Adapter
DANGER HIGH VOLTAGE
TOP
S15
55.5V
S14
51.8V
S13
48.1V
S12
44.4V
S11
40.7V
S10
37V
S9
33.3V
29.6V
Pack Total
Moonitor™
Safe to drill in dotted areas, but
use nylon hardware. Holes will be live!
S8
Tighten standoffs well, they
are balance connections.
V1.3 by Vinnie Marco
Use at own risk!
TOP
Display Power
Display Ground
Display Sense
SRH05S12
12V EN
Buck EN
Disp EN
Fan EN
AUX Power
GND
12V
500mA Max
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
F16
Fan
12VDC
Pack +
Flood area with solder–>
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.
14S
13S
12S
11S
10S
9S
8S
7S
6S
BAT16 BAT15 BAT14 BAT13 BAT12 BAT11 BAT10 BAT9 BAT8
BAT7 BAT6 BAT5 BAT4 BAT3 BAT2 BAT1
GND
Short all unused leads to last used
S1
0V
S2
3.7V
S3
7.4V
S4
11.4V
S5
14.8V
S6
18.5V
S7
22.2V
25.9V


Moonitor BMS and Display Adapter
DANGER HIGH VOLTAGE
BOTTOM
S7 S6 S5 S4 S3 S2 S1 S0
V7.2 by Vinnie Marco
Tighten standoffs well, they are conductive.
Back Total
Moonitor™
Safe to drill in dotted areas, but use nylon hardware. Holes will be live!
Use at own risk!
BOTTOM
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 - SRH05512
1x 0-50V Display, Adafruit - 705
48x Pin Headers - 0.1" male headers
13x Jumper Block - 0.1" jumper block
13x 2.6-30V Display, Seeed - 114990163
13x B4A-PCB Lugadirect
Place Buck on other side!
SRH05512
Buck EN
12V EN
Sense Analog
Ground Analog
Power Analog
AUX Power
Fan EN
Disp EN
12V GND
12V GND
500mA Max
F16
Pack +
Fan
12VDC
<-Flood area with solder
CHG
BAT1 BAT2 BAT3 BAT4 BAT5 BAT6 BAT7 BAT8 BAT9 BAT10 BAT11 BAT12 BAT13 BAT14 BAT15 BAT16
25.9V 22.2V 18.5V 14.8V 11.1V 7.4V 3.7V 0V