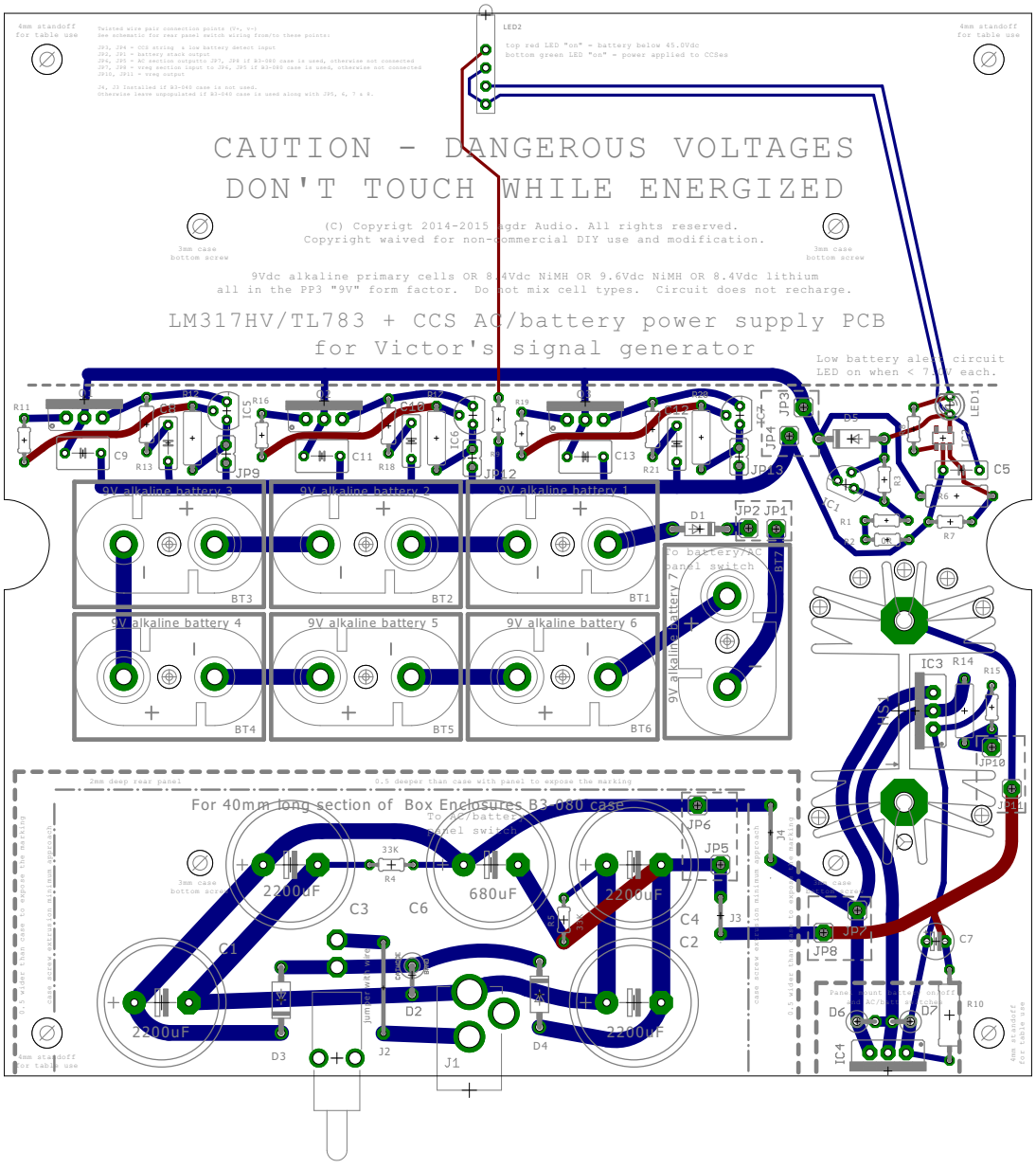
4mm standoff for table use
Twisted wire pair connection points (V+, V-)
See schematic for rear panel switch wiring from/to these points:
JP3, JP4 = CCS string + low battery detect input
JP2, JP1 = battery stack output
JP4, JP5 = AC section outputto JP7, JP8 if B3-080 case is used, otherwise not connected
JP7, JP8 = vreg section input to JP4, JP5 if B3-080 case is used, otherwise not connected
JP10, JP11 = vreg output
J4, J3 Installed if B3-040 case is not used.
Otherwise leave unpopulated if B3-040 case is used along with JP5, 6, 7 & 8.
LED2
top red LED "on" = battery below 45.0Vdc
bottom green LED "on" = power applied to CCSes
4mm standoff for table use
CAUTION - DANGEROUS VOLTAGES
DON'T TOUCH WHILE ENERGIZED
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3mm case bottom screw
3mm case bottom screw
9Vdc alkaline primary cells OR 8.4Vdc NiMH OR 9.6Vdc NiMH OR 8.4Vdc lithium
all in the PP3 "9V" form factor. Do not mix cell types. Circuit does not recharge.
LM317HV/TL783 + CCS AC/battery power supply PCB
for Victor's signal generator
Low battery alert circuit
LED on when < 7.0V each.
9V alkaline battery 3
9V alkaline battery 2
9V alkaline battery 1
9V alkaline battery 4
9V alkaline battery 5
9V alkaline battery 6
9V alkaline battery 7
BT1
BT2
BT3
BT4
BT5
BT6
To battery/AC panel switch
2mm deep rear panel
0.5 deeper than case with panel to expose the marking
For 40mm long section of Box Enclosures B3-080 case
To AC/battery panel switch
2200uF
680uF
2200uF
2200uF
33K
R4
C1
C2
C3
C4
C6
D1
D2
D3
D4
D6
D7
J1
J2
J3
J4
JP1
JP2
JP3
JP4
JP5
JP6
JP7
JP8
JP9
JP10
JP11
JP12
IC1
IC2
IC3
IC4
IC5
IC6
LED1
C5
C7
C9
C11
C13
R10
R14
R15
R18
R21
3mm case bottom screw
4mm standoff for table use