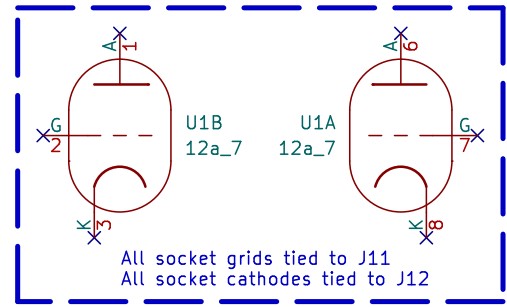


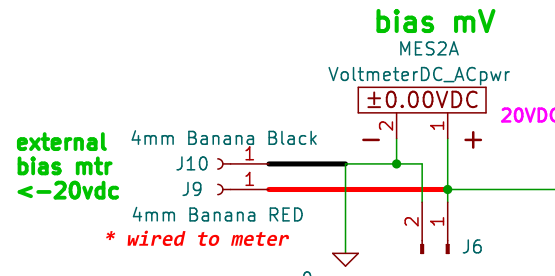
wire sw6/1 & sw7/1 from U2/3 add 22k between sw6/2 & sw7/2 to u1/1 & u1/6 resp



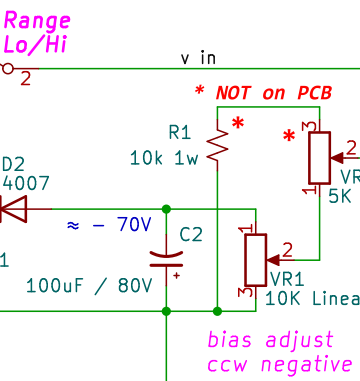
J7, J8, J11, J12: wire to valve sockets

For EL34 type, Add desired g3 link between 8&1

anode B+



external bias mtr <-20vdc

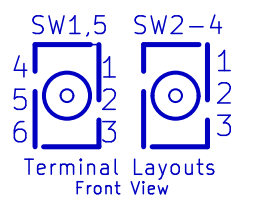


bias adjust ccw negative

short test with cold tube and B+ on, electron flow with normal tube

Voltages approximate. * middle voltages: Lo Power / Hi Range Hi power / Lo Range

- Revisions
- 0.1 - remove J9 & J10 daisy chaining socket K,g
 - 0.2 - Reverse bias pot wiring so ccw reduces current
 - 0.2.1 - Add bias trim pot, remove ferrites, flip U2 htr pins
 - 0.2.2 - revise SW5 terminal layout
 - 0.2.3 - add D11 across MES3A
 - 0.2.4 - change S1 and T1
 - 0.2.5 - add 22k anode resistor to sw6 & sw7
 - 0.2.6 - change MES2 to 20V, MES3 to 20mA
 - 0.2.7 - add 1.1R and SPST across MEAS3A for 20/200mA capacity
 - 0.2.8 - add external bias meter jacks
 - 0.2.9 - correct g2 SW4



- SW 1 Terminal Wire
- 1 - Yellow
 - 2 - Black
 - 3 - Blue
 - 4 - n/c
 - 5 - link 1
 - 6 - Red
- SW 2-5 Terminal Wire
- 1 - Black
 - 2 - White
 - 3 - Red
- Repeat for 4/5/6

Inspired by A LOW COST, EASY TO BUILD DIY VALVE/TUBE TESTER
<https://valveheaven.com/2015/03/an-inexpensive-easy-to-build-diy-valvetube-tester/>

Sheet: /		File: ValveTester.kicad_sch	
Title:		ieLogical Valve Tester	
Size: A4	Date: 231208	Rev: 0.2.9	Id: 1/1
KiCad E.D.A. kicad 7.0.9			

Not Used
D1
J9, J10