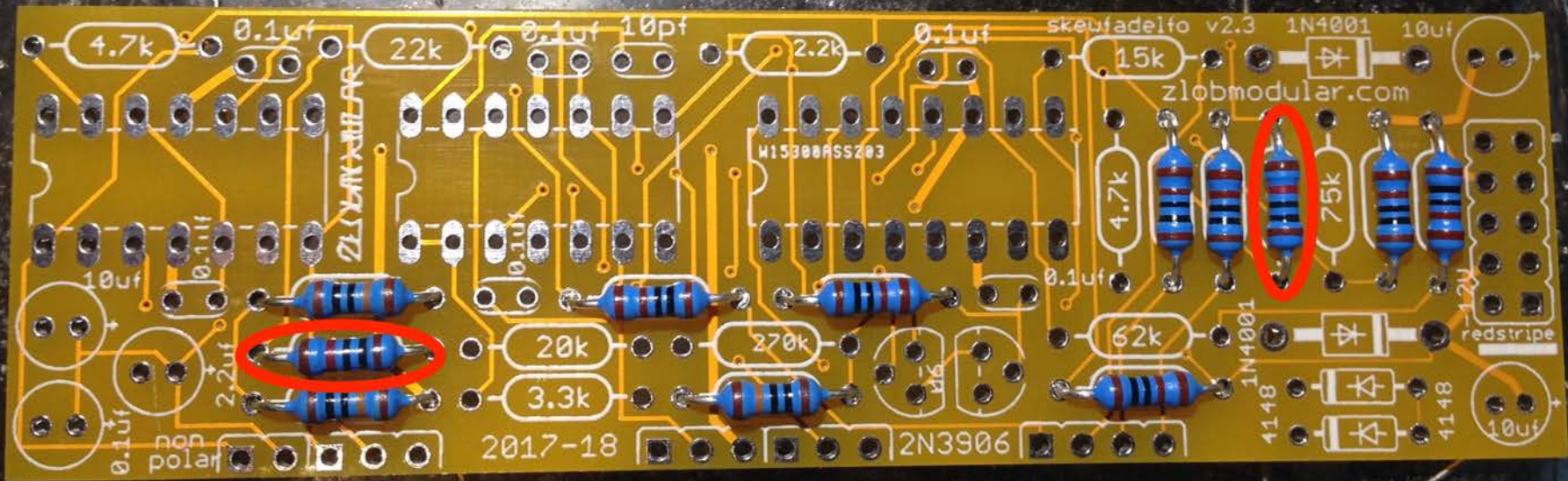
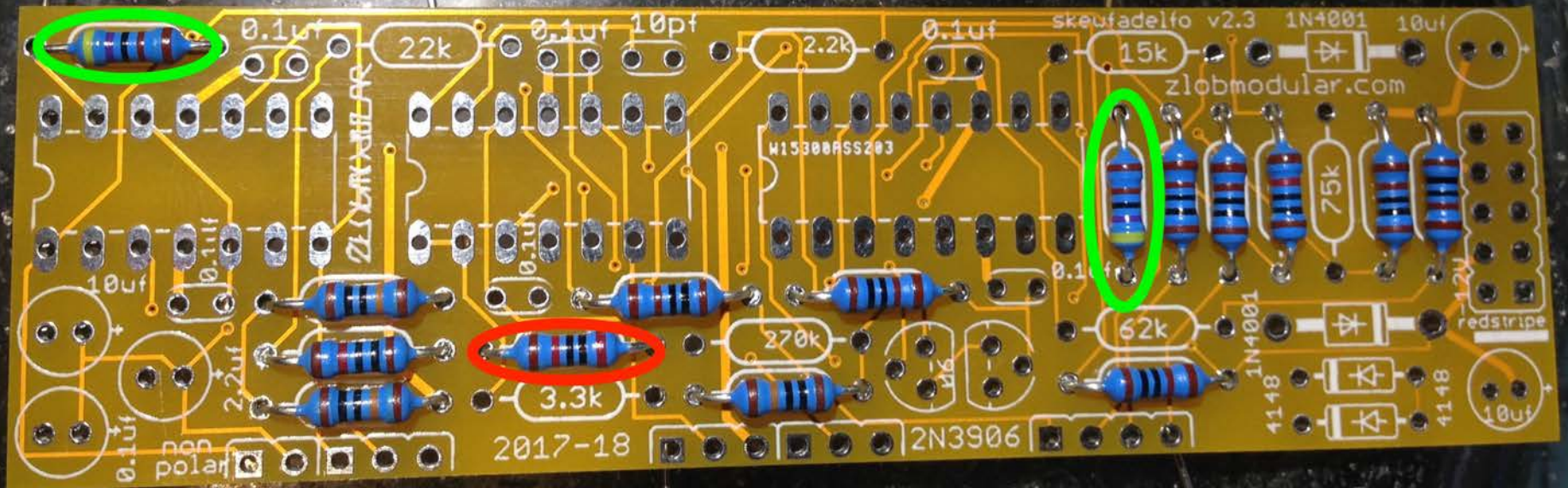


two 10K
brown,black,black,red,brown



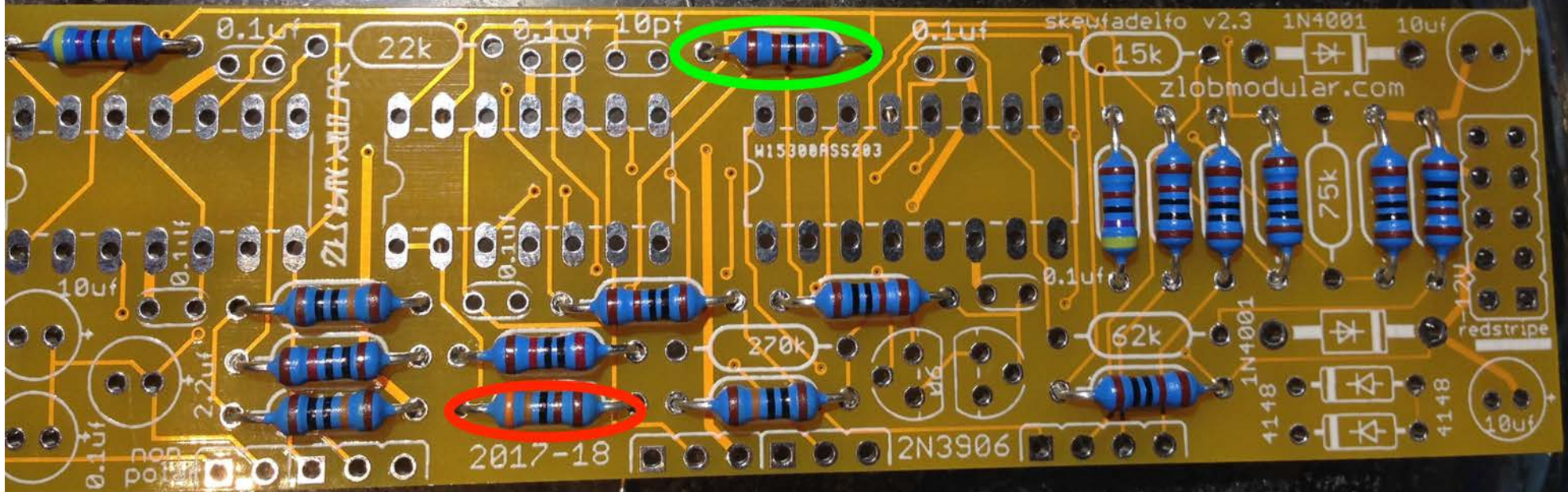
one 20K
(red oval)
red,black,black, red,
brown

two 4.7K
(green oval)
yellow,purple,black,brown,
brown



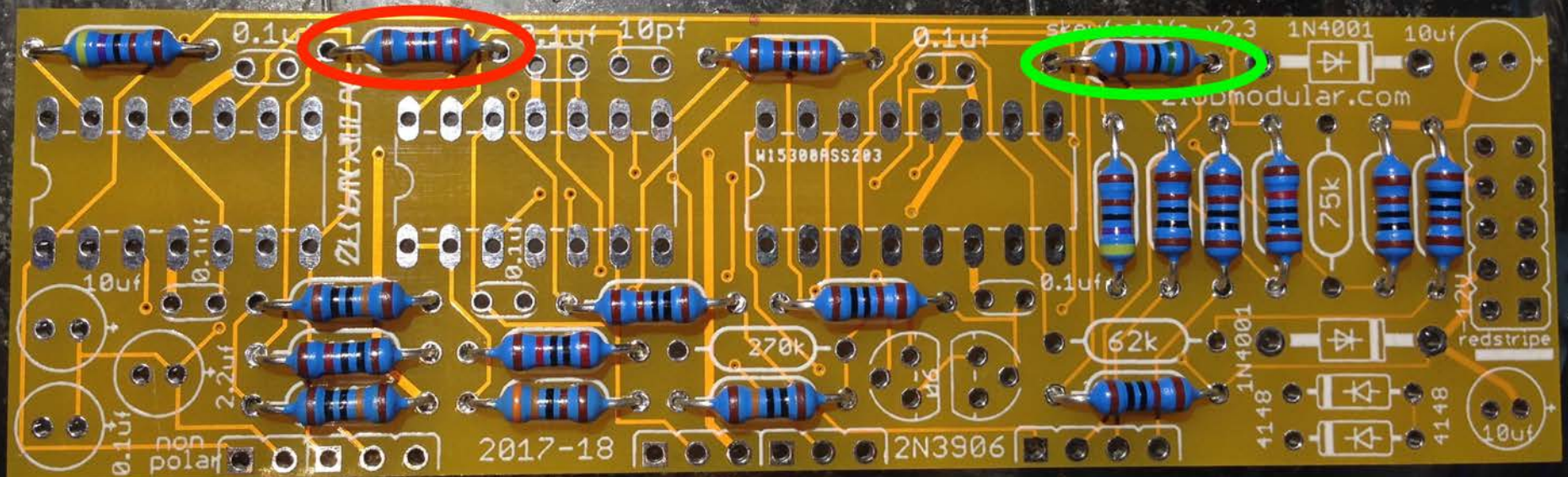
one 3.3K
(red oval)
orange, orange, black
, brown, brown

one 2.2K
(green oval)
red, red, black, brown, brown



one 22K
(red oval)
red, red, black, red, brown

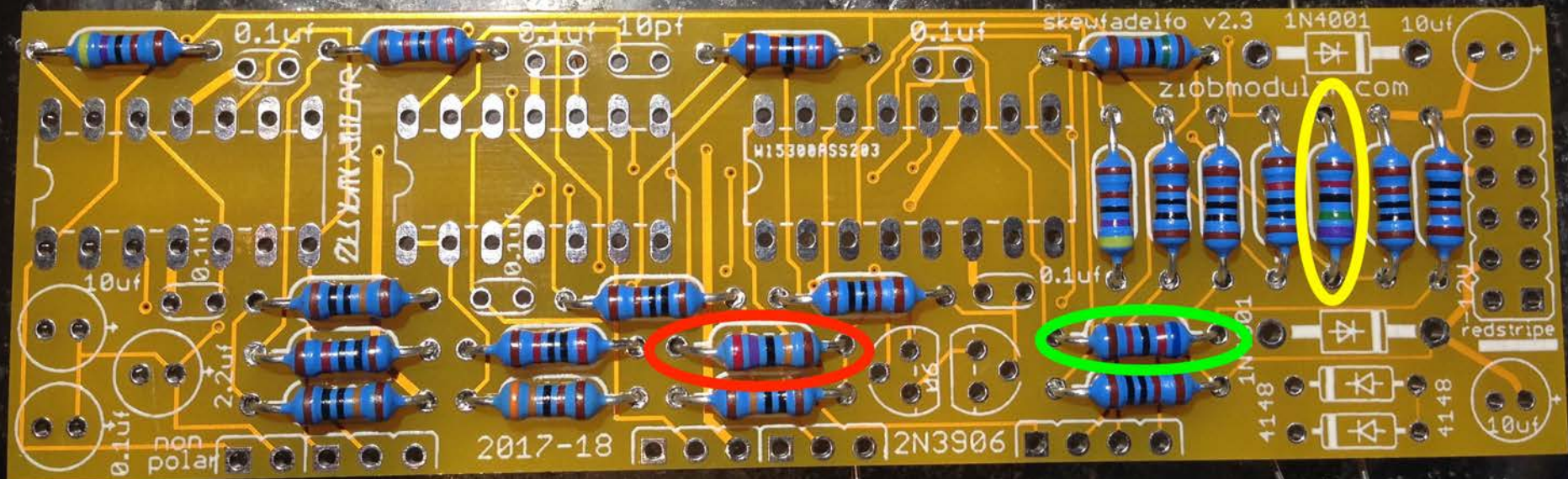
one 15K
(green oval)
brown, green, black, red,
brown



one 270K
(red oval)
red,
purple,black,
orange,brown

one 62k
(green oval)
blue,red,black,
red,brown

one 75K
(yellow oval)
purple,green,black,
red,brown

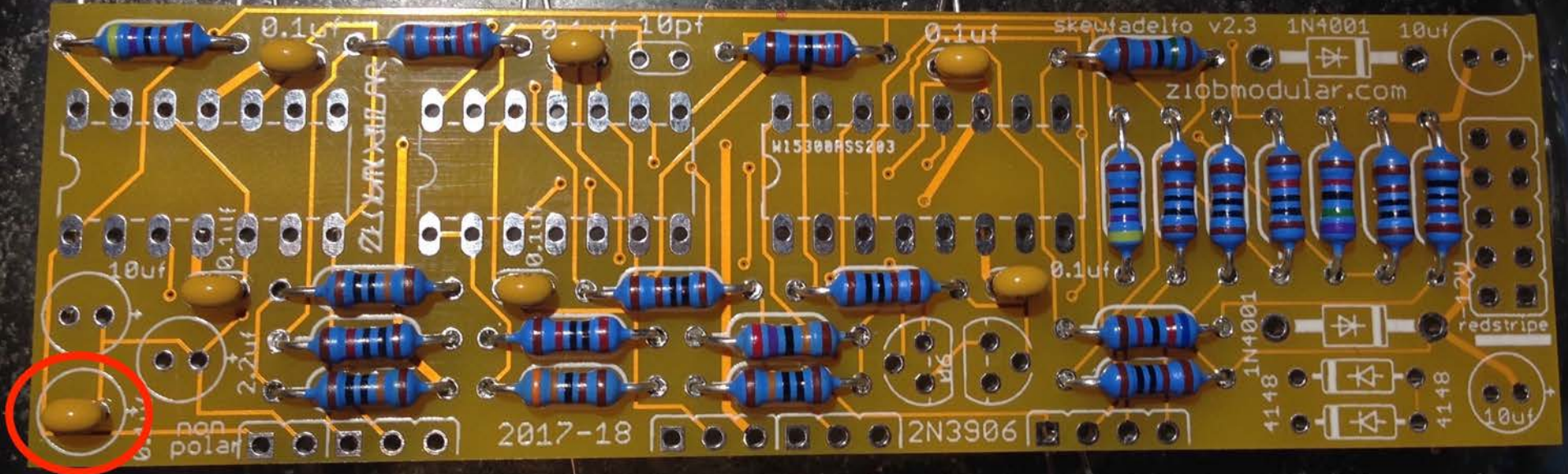


(red circle)
sets the fastest
oscillation
speed (switch in
center position)

seven

0.1uf

104



one

(green circle)

10uf bipolar/nonpolar
sets the range for lowest
speed with switch to left. can
be replaced with a larger cap
for slower oscillations

one

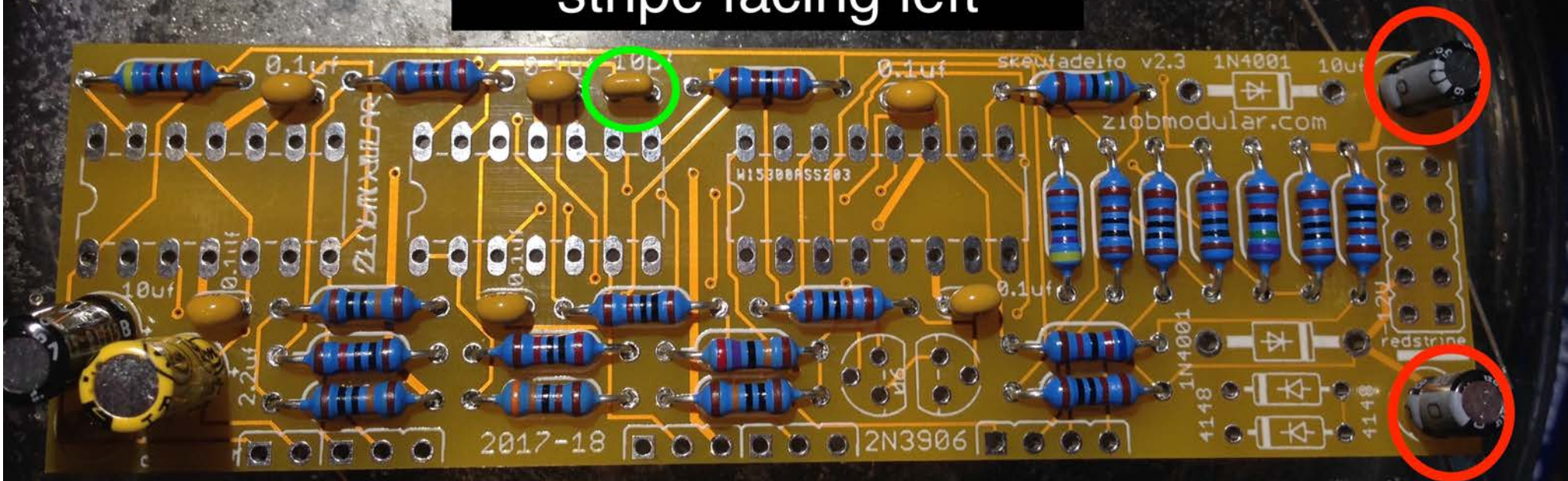
(red circle)

2.2uf bipolar/nonpolar
sets range for medium
speed with switch to the
right.

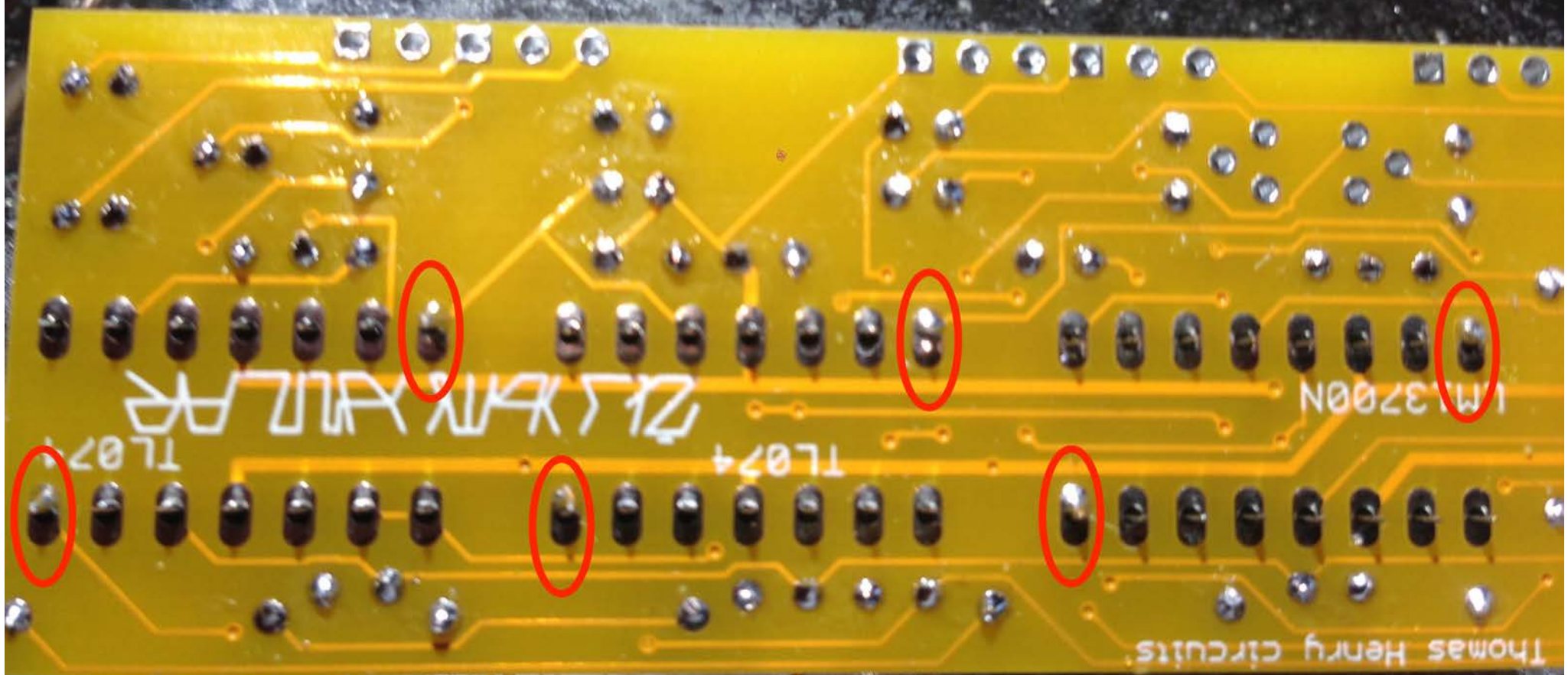


one 10pf
10j
(green circle)

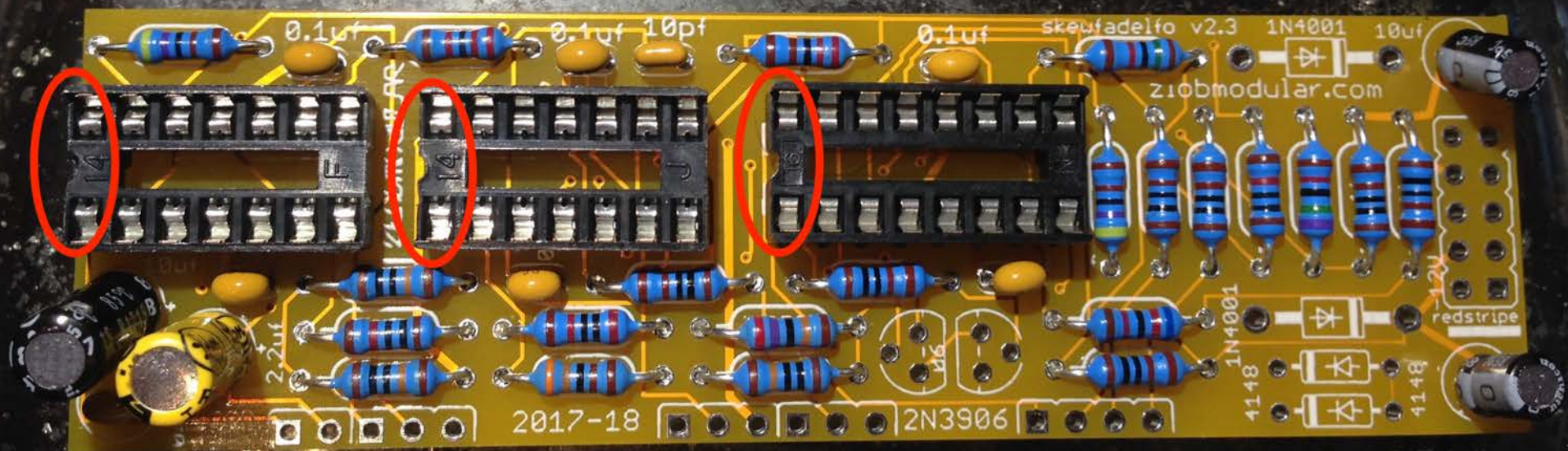
two 10uf
(red circle)
pay attention to polarity
stripe facing left



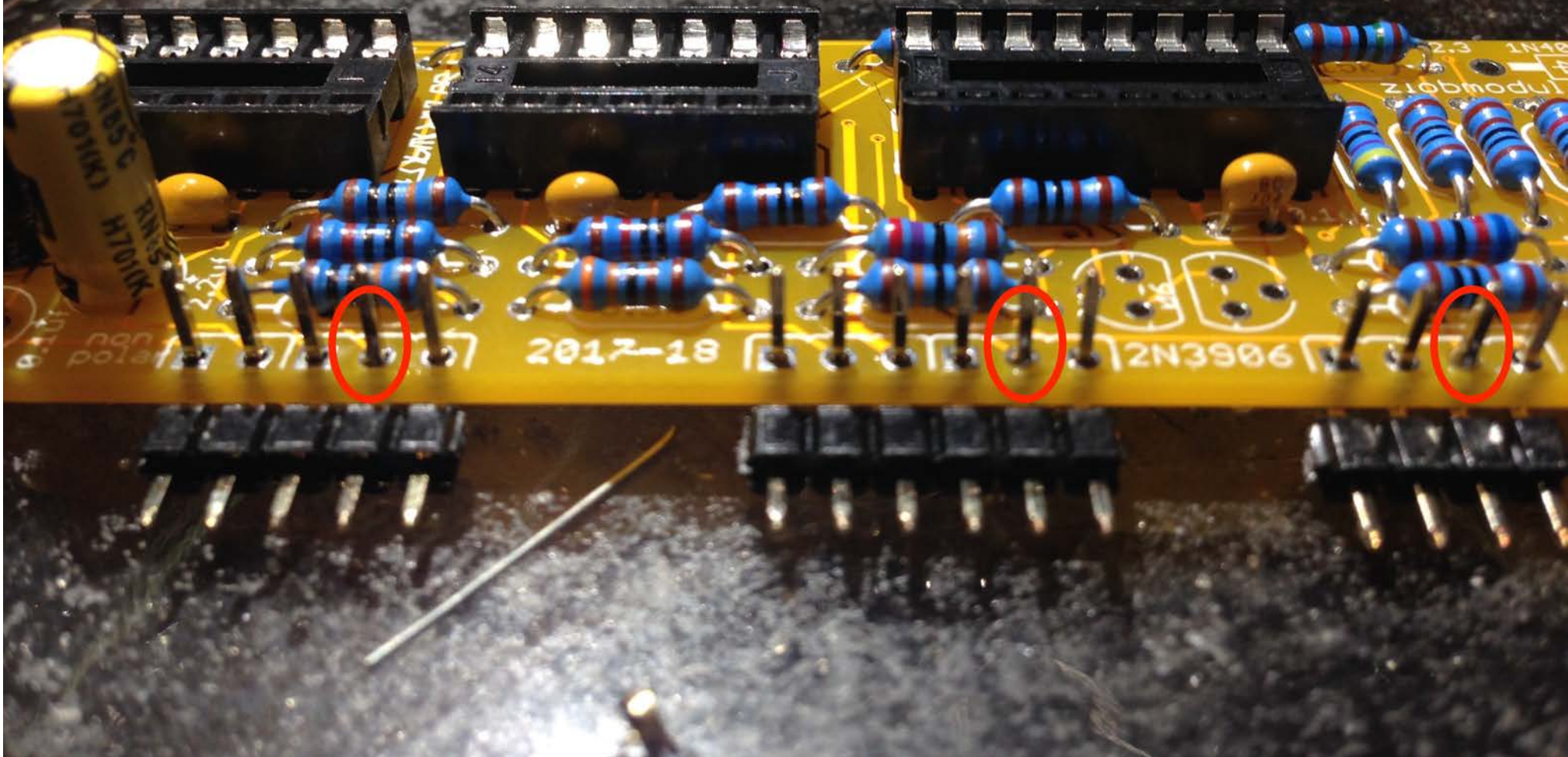
tack each corner of ic socket



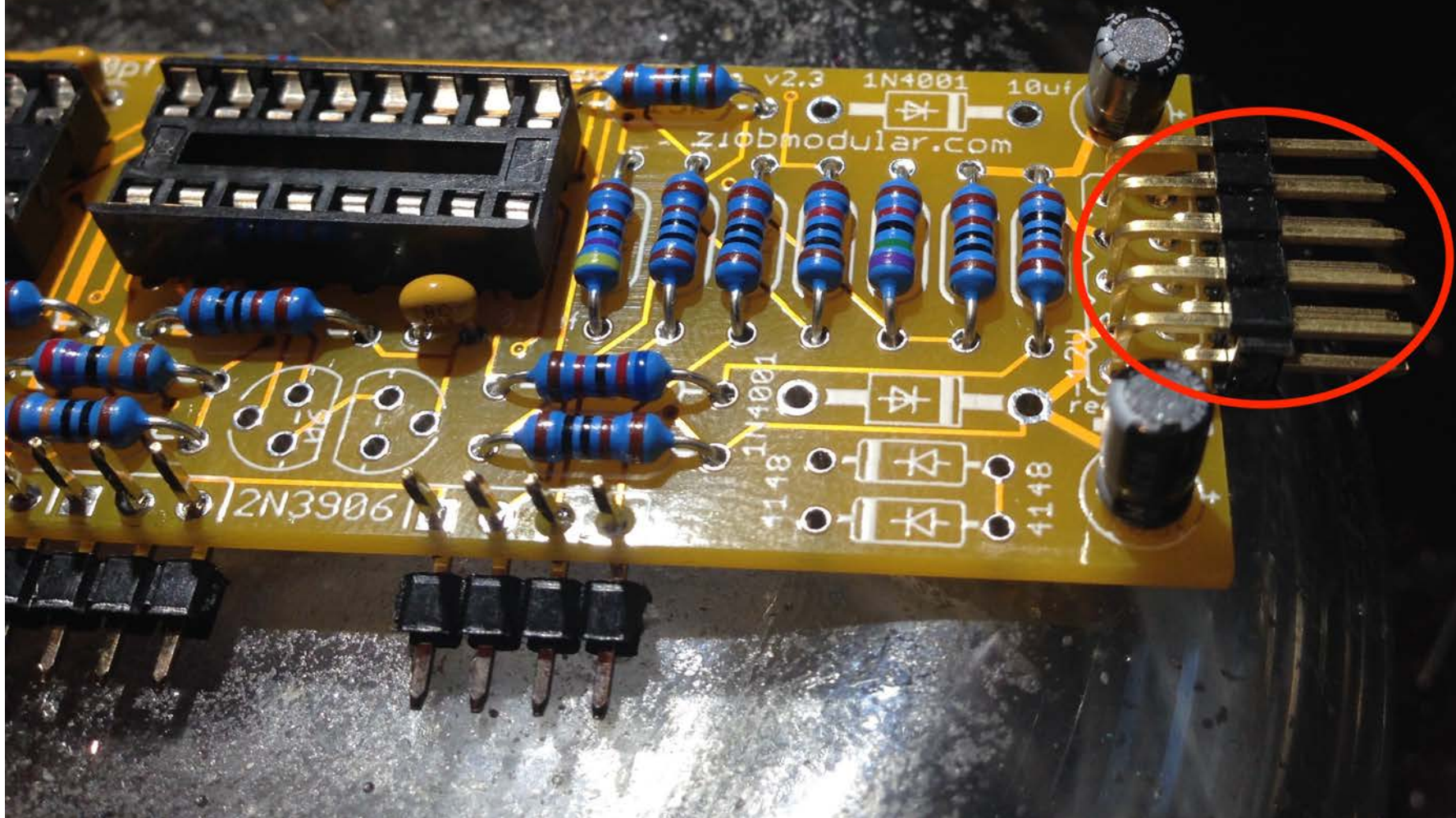
make sure socket orientation is correct



tack headers, make sure the long end goes through the bottom of the pcb



tack power header

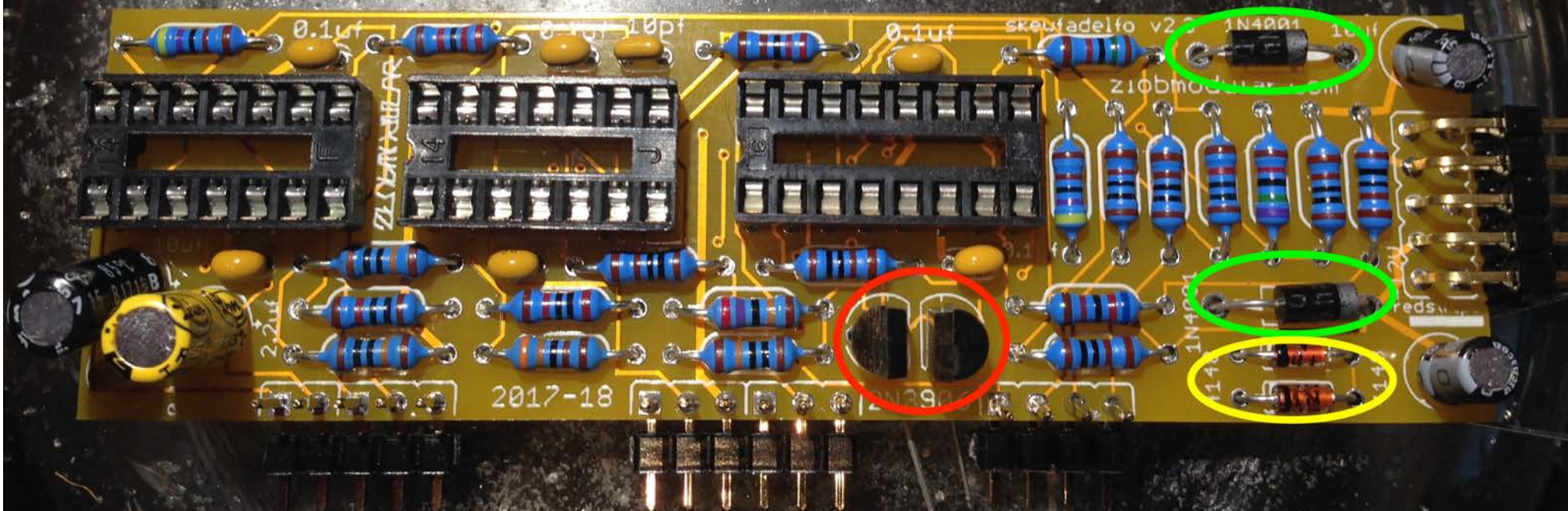


be aware of static discharge and overheating the active components

two 3906 pnp transistors
(red circle)

two 1n4001 diodes
(green oval)
pay attention to polarity, stripe facing right

two 1n4148 diodes
(yellow oval)
pay attention to polarity, stripe facing left



two 20k
red,black,black,red,brown



one 6.2K
(green circle)
blue, red, black, brown,
brown

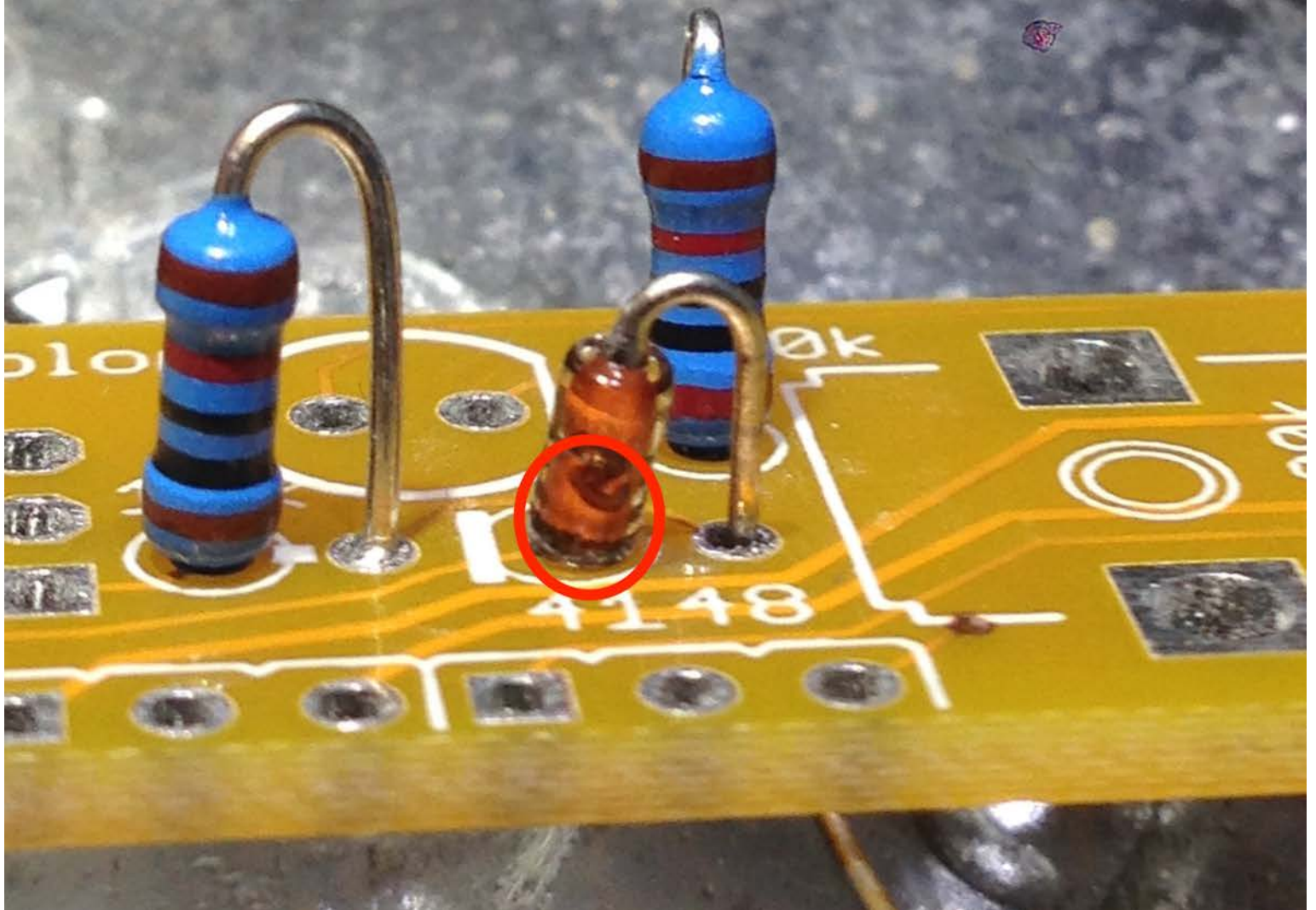
two 10K
(red circle)
brown, black, black,
red, brown



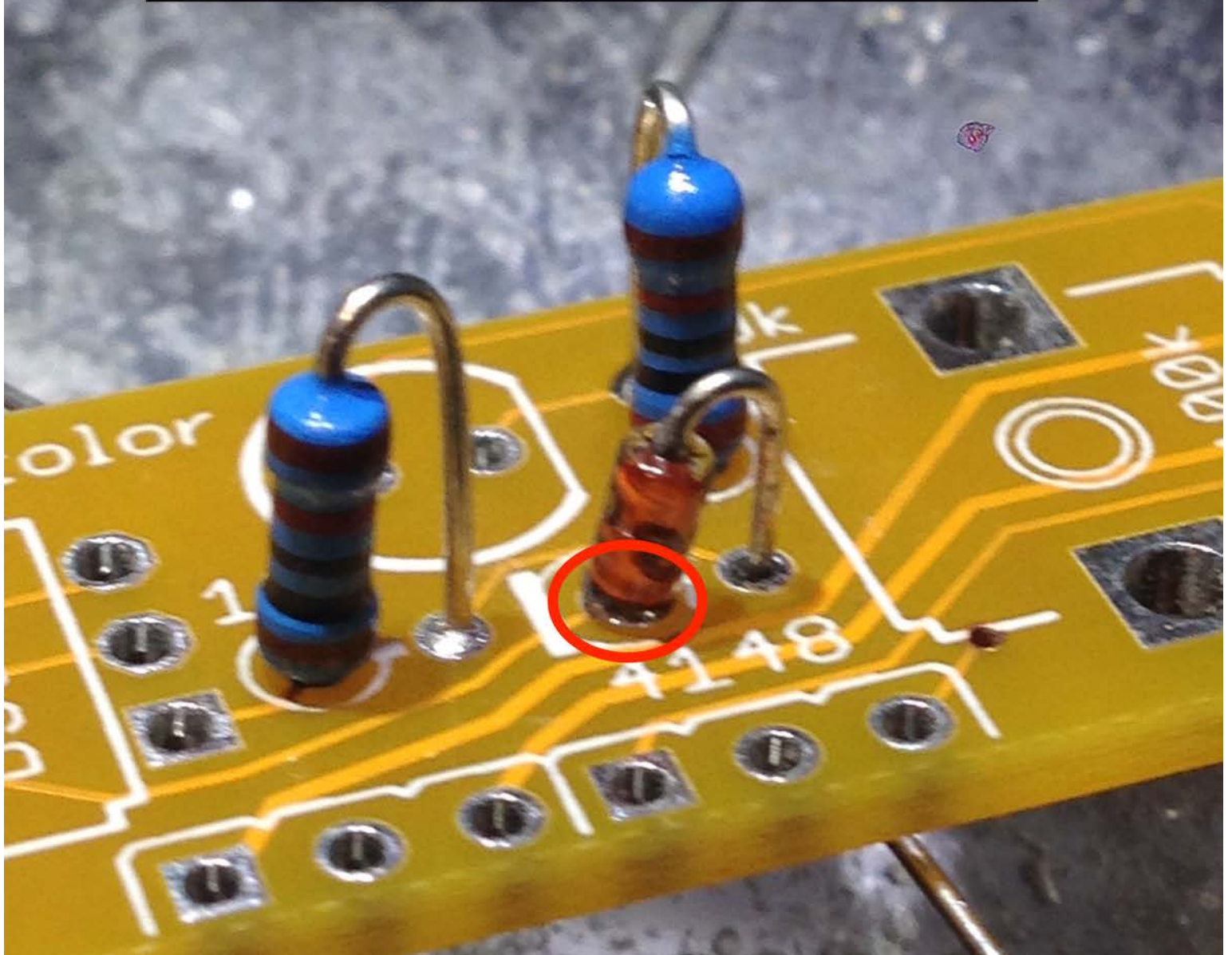
bend diode so
stripe is facing
down



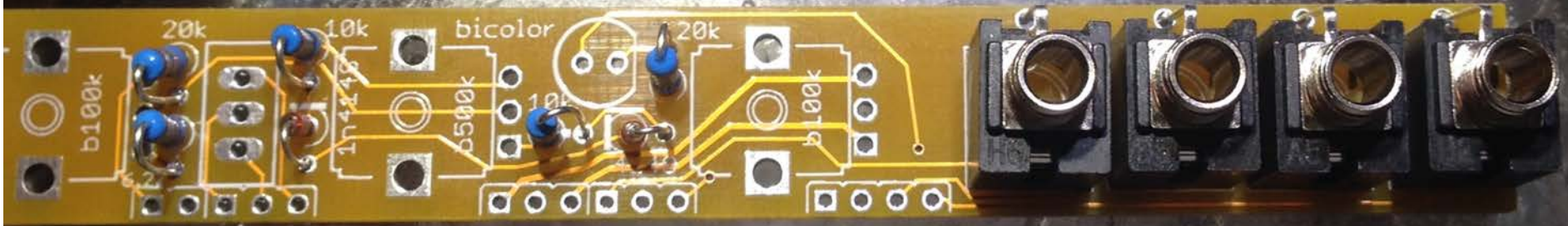
be careful of static discharge
and overheating active parts
like diodes. make sure stripe is
facing down



be careful of static discharge
and overheating active parts
like diodes. make sure stripe is
facing down



tack jacks



slightly squeeze the chassi on each side of the pot and push to insert, the pot should snap in



insert switch, make sure you put one nut on the switch before the panel goes on. insert the led, pay attention to polarity. the flat side should face down. the led must be a bicolor two pin.



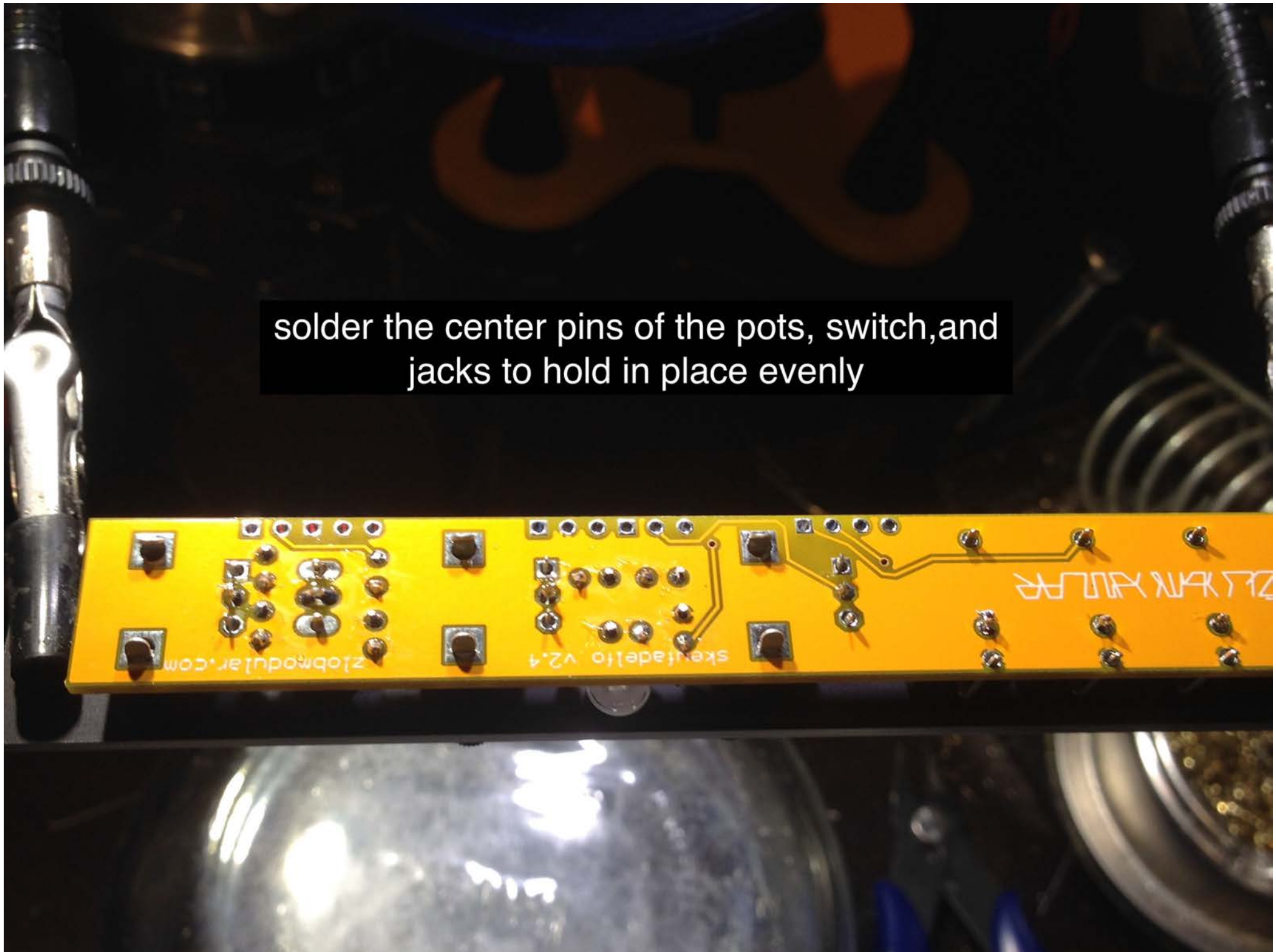
put the panel on.
hand tighten
switch nut and
jack nuts.



make sure all parts are flush with the pcb and check the pots are sitting evenly within the panel holes.



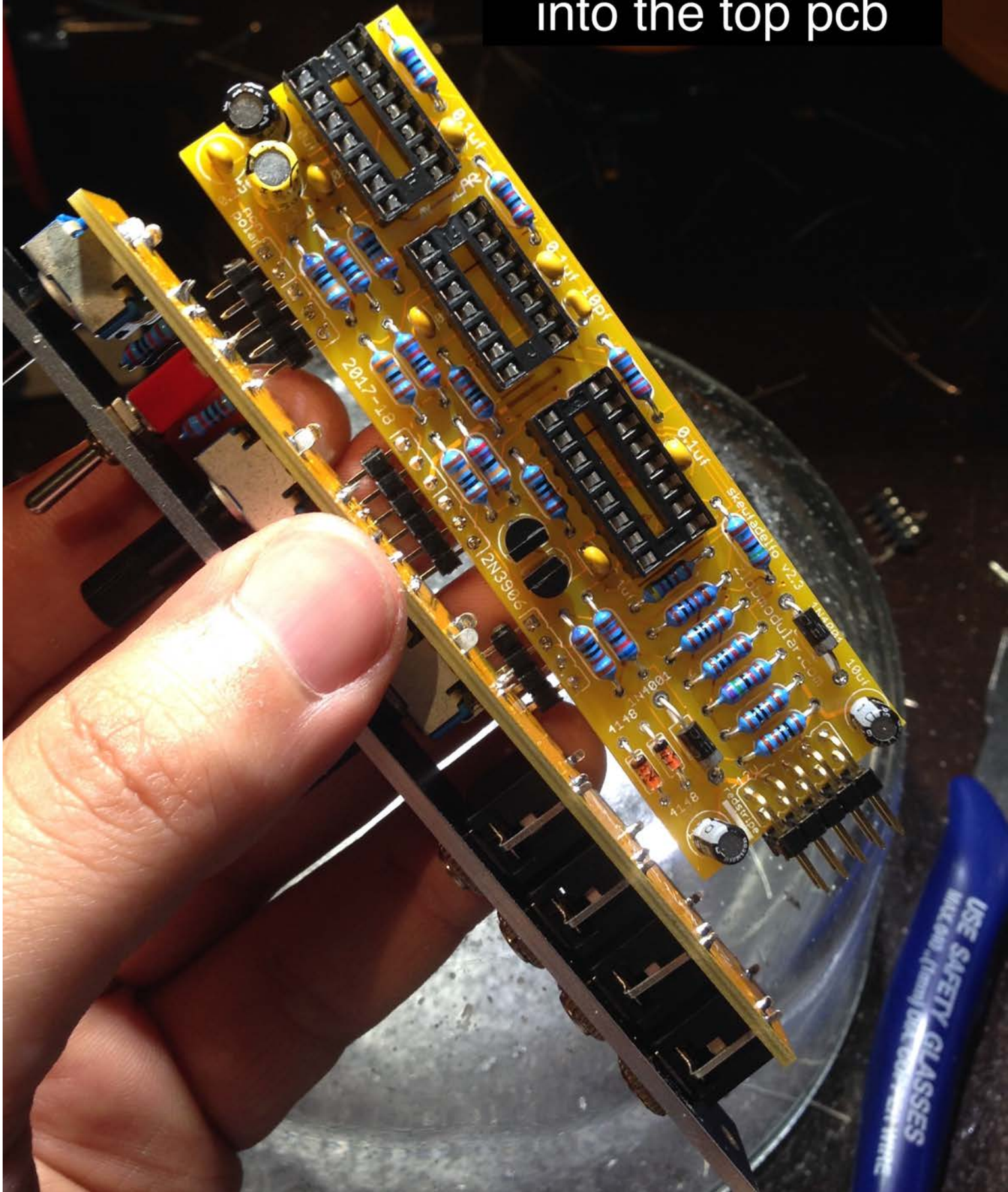
solder the center pins of the pots, switch, and jacks to hold in place evenly



solder all components and
the pot chassis



insert mother board
into the top pcb



solder mother board to top pcb

