

# ***I MUST SCREAM***

TIMING PULSE GENERATOR MODEL 140

ASSEMBLY GUIDE (SMD VERSION)

[imustscream.cc](http://imustscream.cc)



The kit consists of PCB, Panel, bags of components and knobs.

## Step 1

Solder TH polarized capacitors, trimmers and J201 transistor.

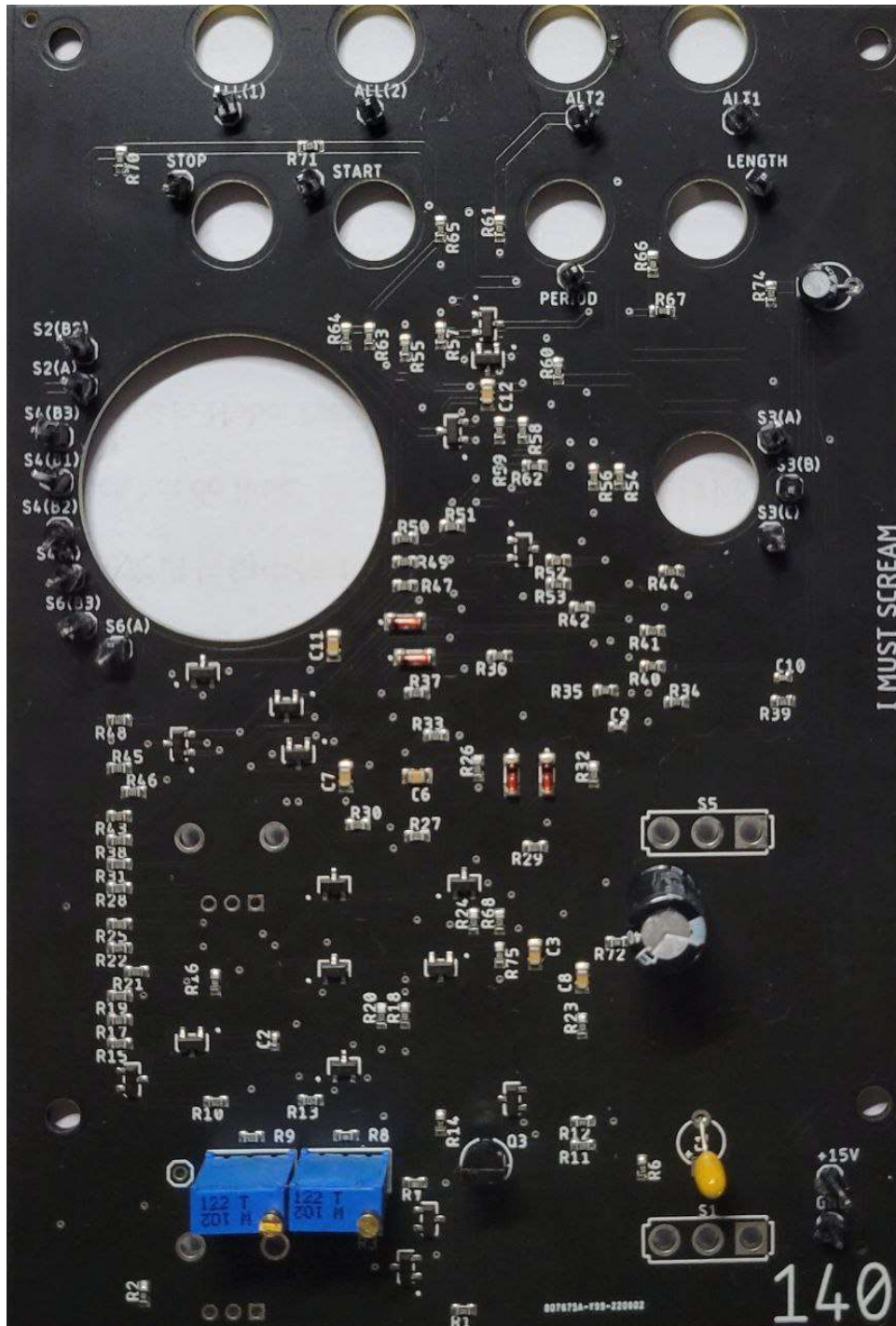
C4: 4.7uF, C5: 100uF, C1: 1uF.

Pay attention to the orientation of the transistor and capacitors.



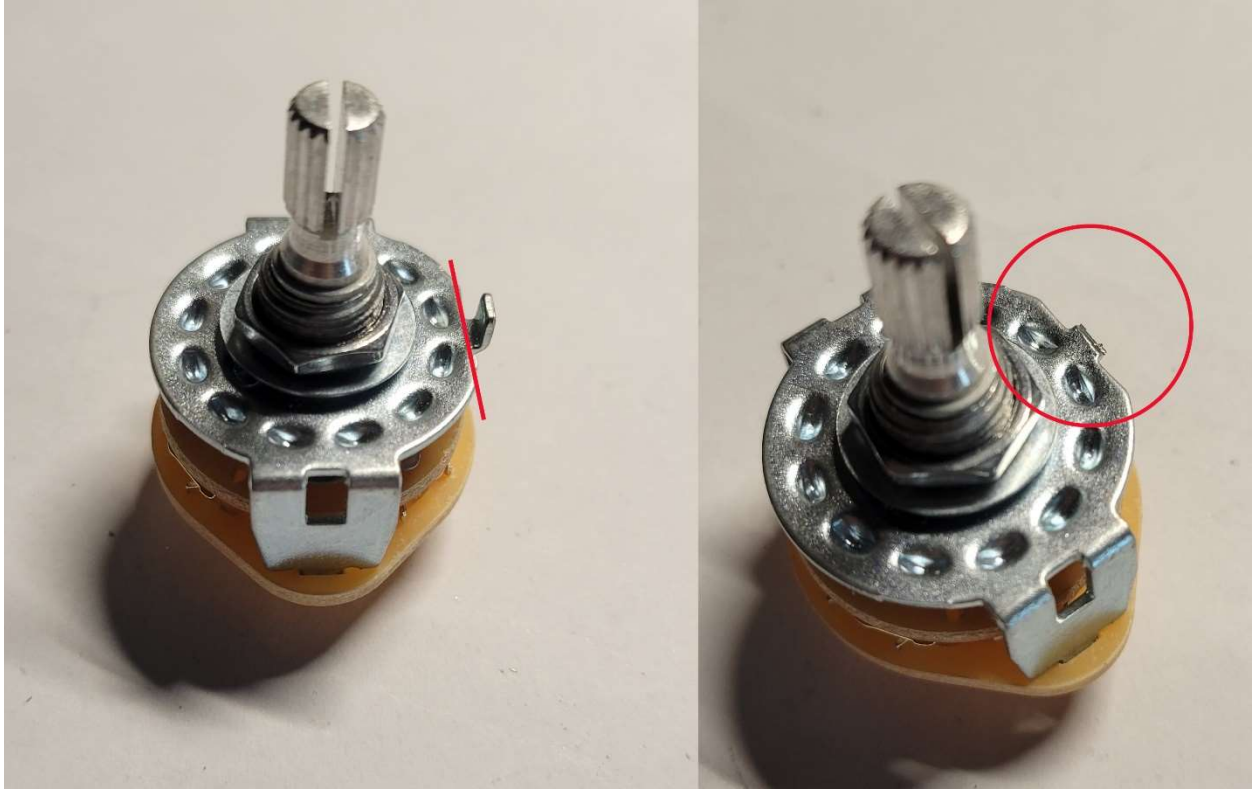
## Step 2

Solder all the pins. This step is *(optional)*. Otherwise, you can solder wires directly. However, I strongly recommend using pins.



### Step 3

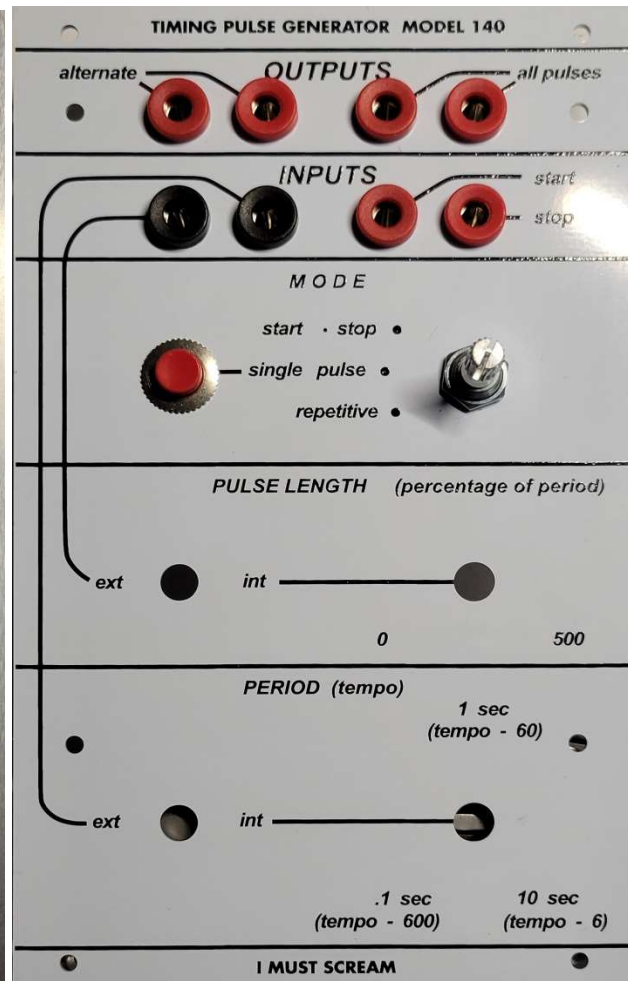
Remove the anti-rotational tag using wire cutter.





## Step 4

Secure banana jacks, push button and switch on the front panel.



## Step 5

(identical to through-hole version)

Position potentiometers, switches and standoffs. Don't solder yet. Secure them to the front panel, and tighten. Solder **AFTER** tightening.



**TIMING PULSE GENERATOR MODEL 140**

alternate

**OUTPUTS**

all pulses

**INPUTS**

start

stop

**MODE**

start • stop •

single pulse •

repetitive •

**PULSE LENGTH** (percentage of period)

ext

int

0

500

**PERIOD (tempo)**

1 sec  
(tempo - 60)

ext

int

.1 sec  
(tempo - 600)

10 sec  
(tempo - 6)

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## Step 6

(identical to through-hole version)

Cut and strip the wires. Pay attention that the colors of wires can be different than you see on photos. First, wire the switch. Connect the pins on the PCB to the pins on switch according to the photo.





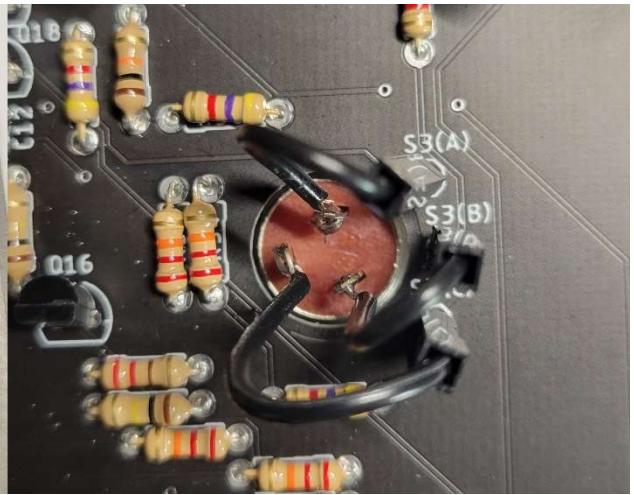
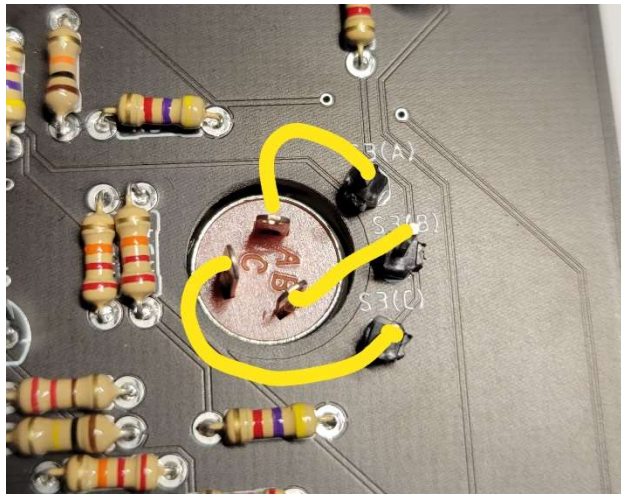
## Step 7

(identical to through-hole version)

Now wire the button. Connect the pins on the PCB to the pins on button according to the letters – A B C.









## Step 8

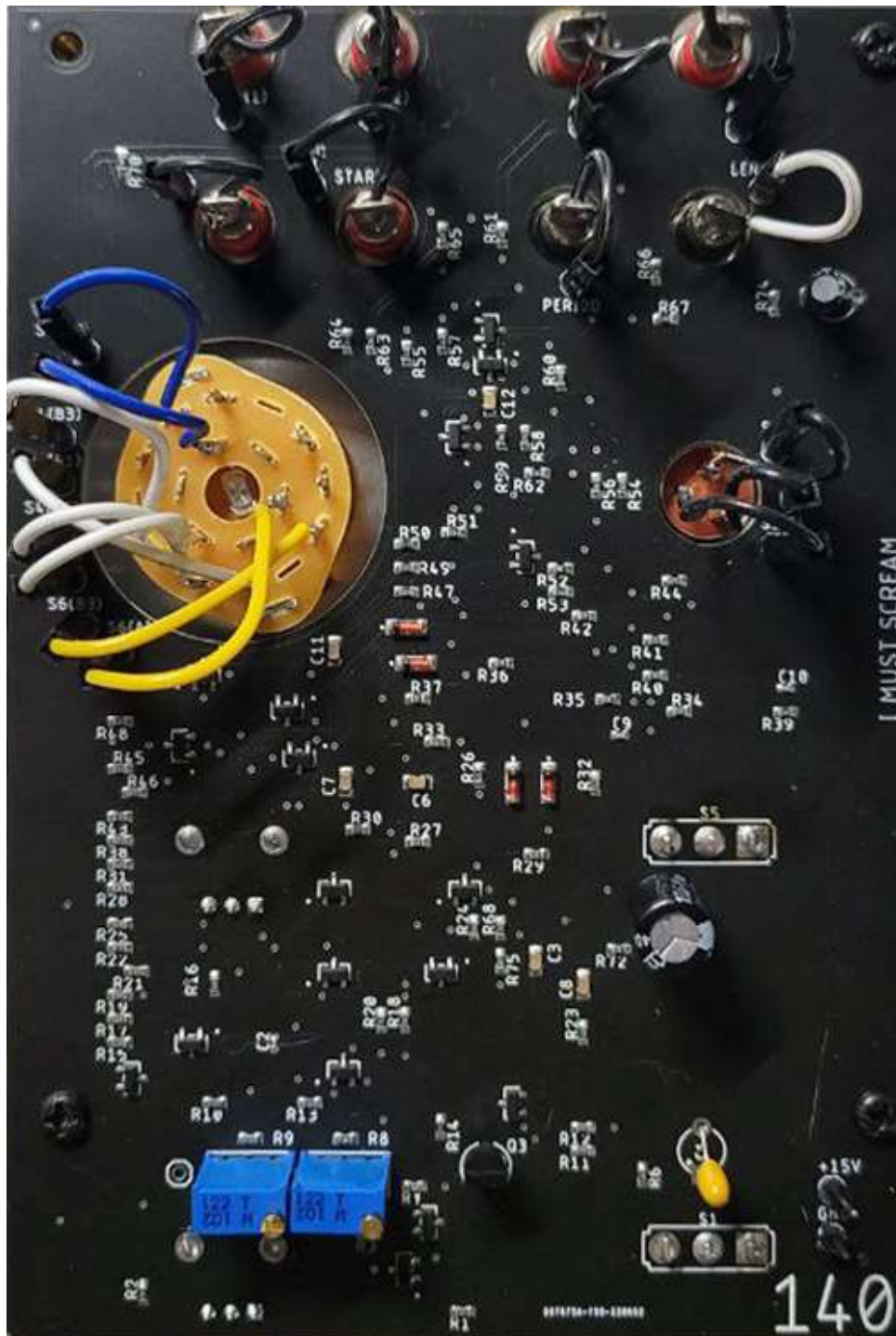
(identical to through-hole version)

Wire the banana jacks.



## Step 9

It's a good time to verify all the wiring you have done. If everything is good – move to the last step.



## Step 10

Now you can put the knobs on. Congratulations!

