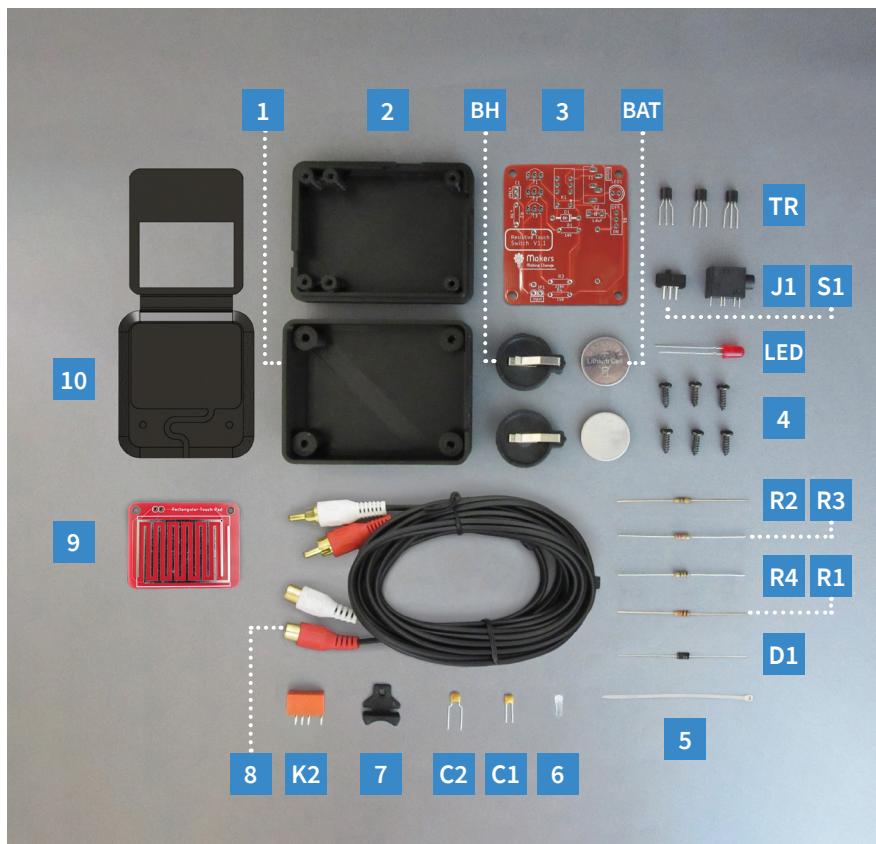


Resistive Touch Switch

ASSEMBLY MANUAL



A Neil Squire Program

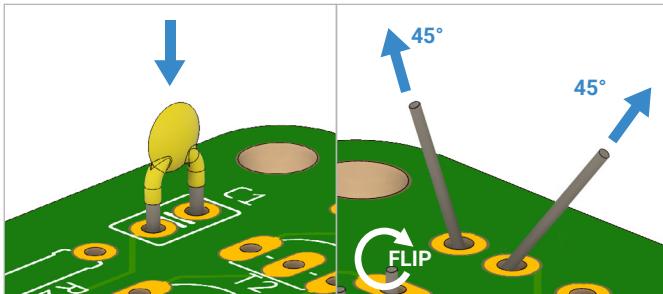


BILL OF MATERIALS

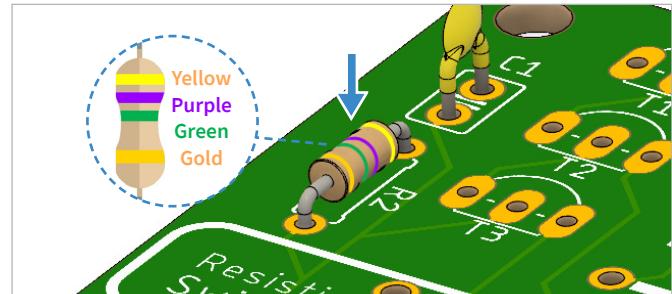
1	Top Case	R1	10k Ohm Resistor BROWN BLACK ORANGE GOLD
2	Bottom Case	D1	Diode
BH	Battery Holder (2)	5	Zip Tie
3	PCB	6	Light Pipe
BAT	Battery (2)	C1	470pF Capacitor
TR	Transistors (3)	C2	1uF Capacitor
J1	Mono Jack	7	Case Switch
S1	Slide Switch	K2	Signal Relay
LED	LED	8	RCA Cable
4	Screws (6)	9	Touch Pad PCB
R2 R3	4.7M Ohm Resistor YELLOW PURPLE GREEN GOLD	10	Touch Pad Case
R4 R1	220k Ohm Resistor RED RED YELLOW GOLD		
D1	150 Ohm Resistor BROWN GREEN BROWN GOLD		

HOLE W9 = Hole to put part through

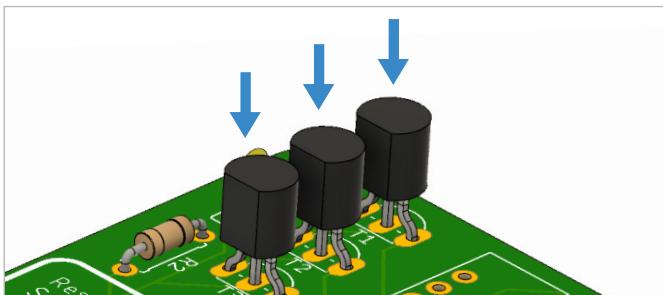
= Solder the area in the white square



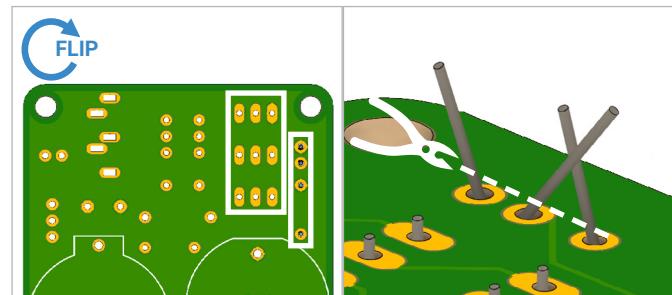
01. Insert part. Flip and bend leads at 45° to keep it in place. Repeat technique for other inserted parts. 3 C1 HOLE C1



02. R2 HOLE R2



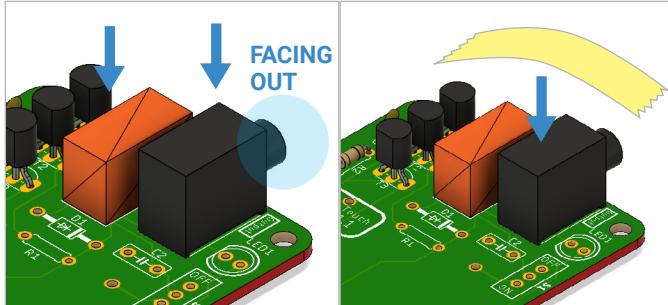
03. TR HOLE T1 HOLE T2 HOLE T3 x 3



04. Trim the long leads after soldering. x 13

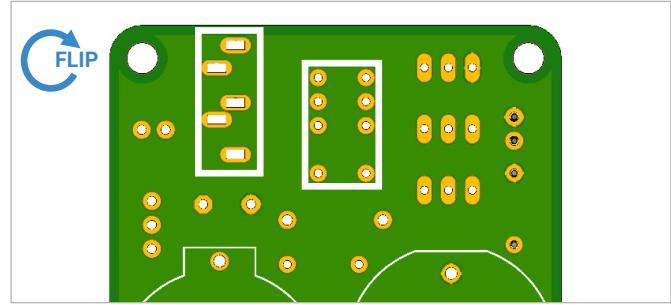
Resistive Touch Switch

ASSEMBLY MANUAL



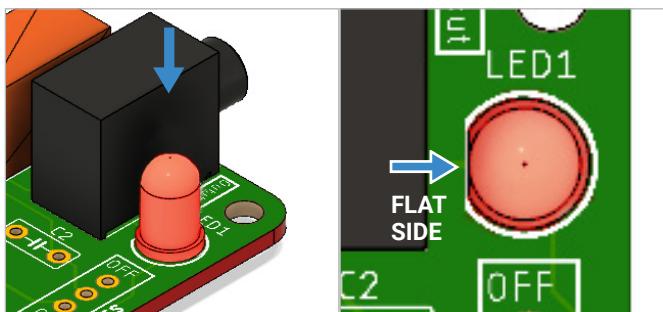
05. Use tape to secure the parts down.

K2 HOLE K2 J1 HOLE J1



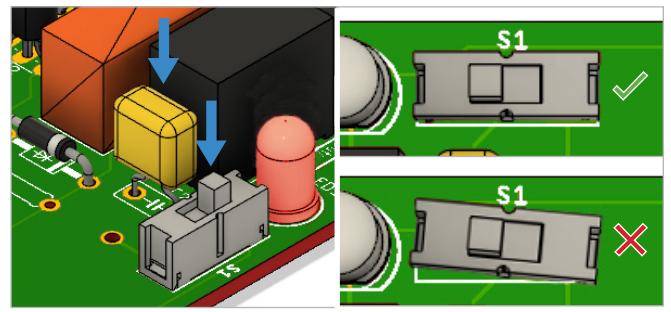
06. Trim the leads after soldering.

x 13



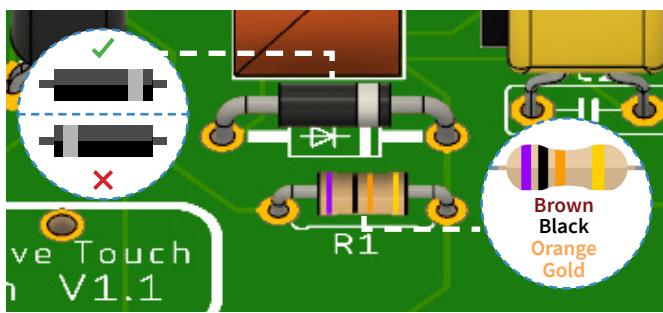
07. Insert the LED with the flat side on the left.

LED HOLE LED1



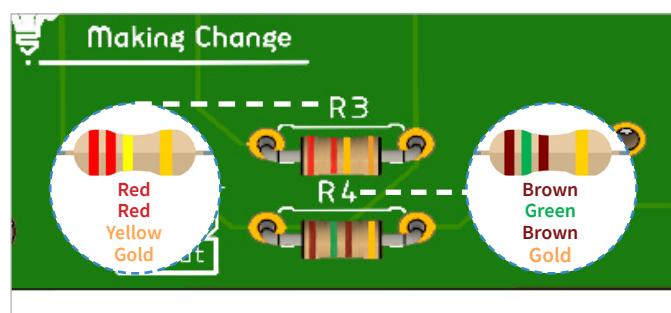
08.

C2 HOLE C2 S1 HOLE S1



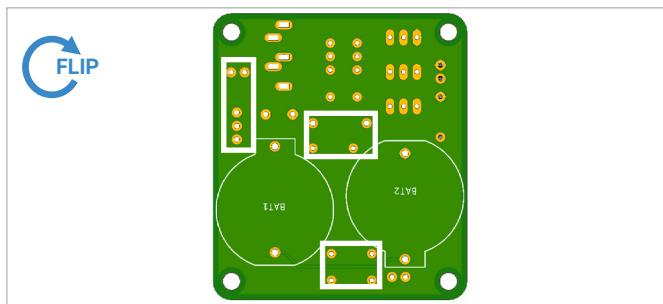
09.

D1 HOLE D1 R1 HOLE R1



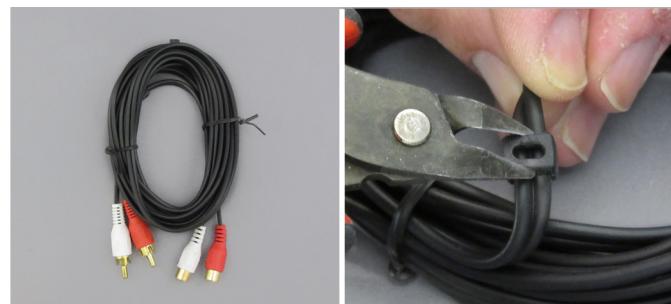
10.

R3 HOLE R3 R4 HOLE R4



11. Trim the leads after soldering.

x 13



12.

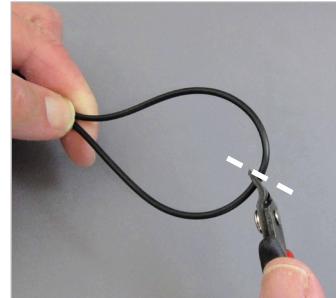
8

Resistive Touch Switch

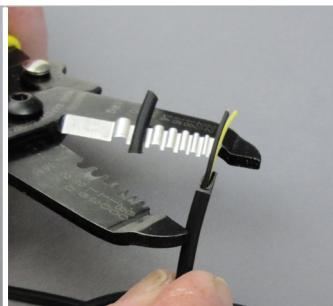
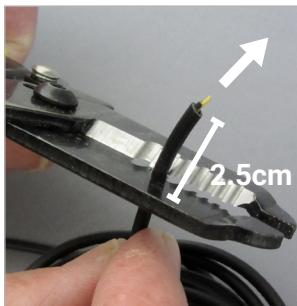
ASSEMBLY MANUAL



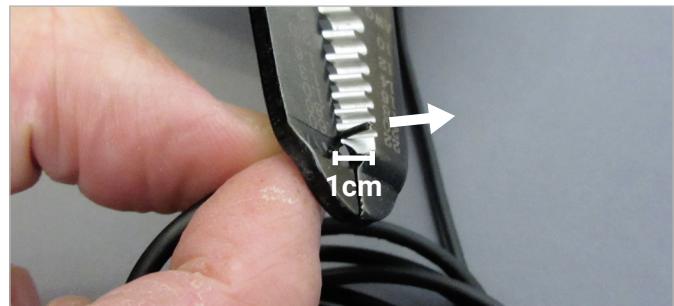
13. Only one RCA cable will be used.



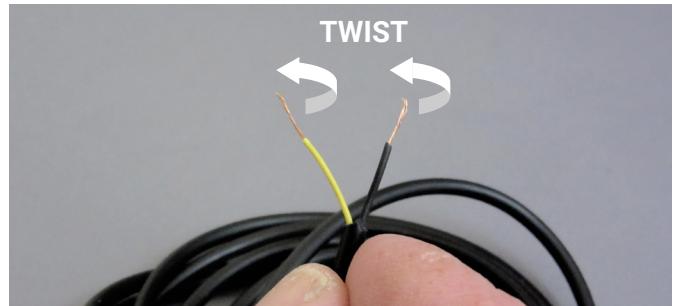
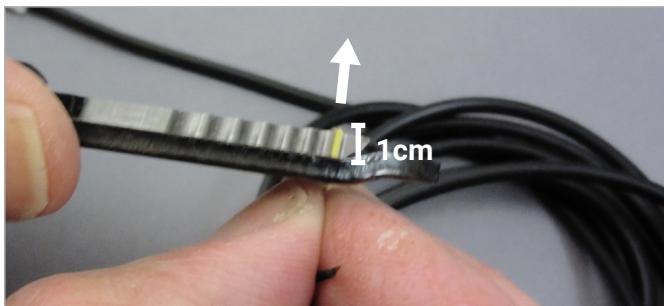
14.



15. Use a wire stripper. Follow steps 15-20 for both halves of the RCA cable.

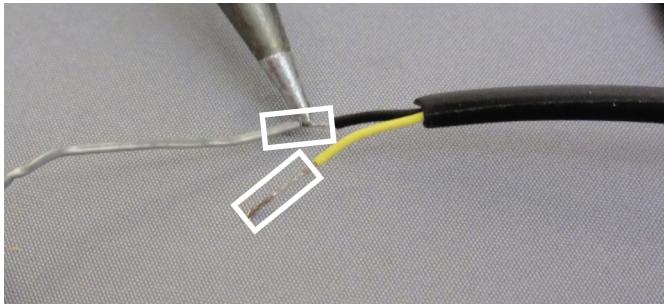


16. 

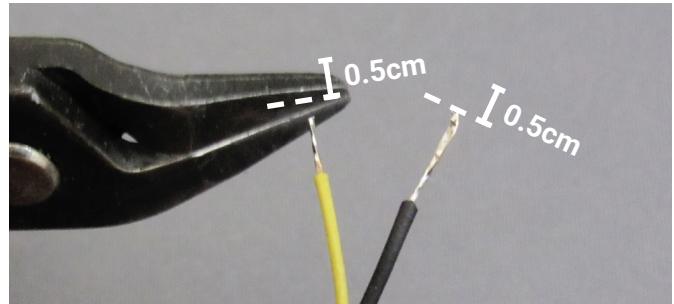


17.

18.



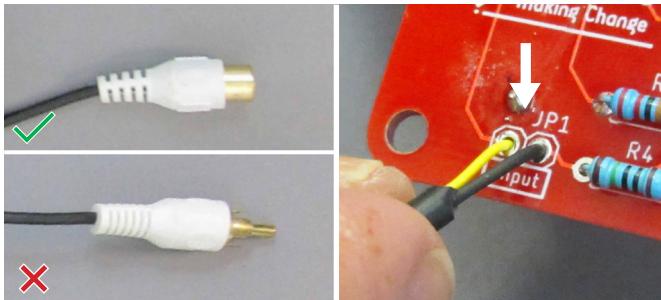
19. Tin the exposed wires with solder.



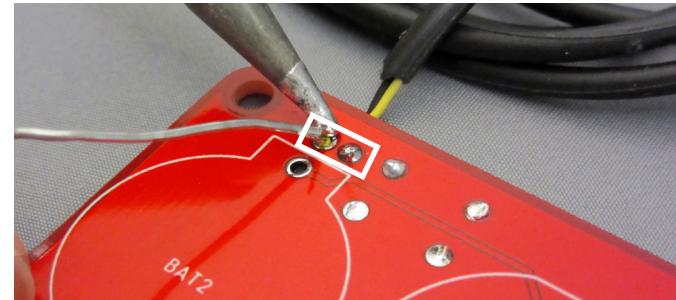
20.

Resistive Touch Switch

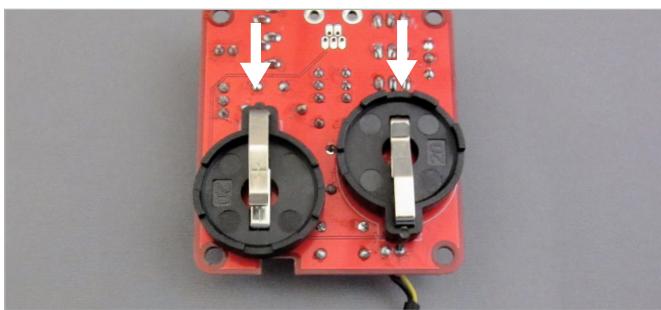
ASSEMBLY MANUAL



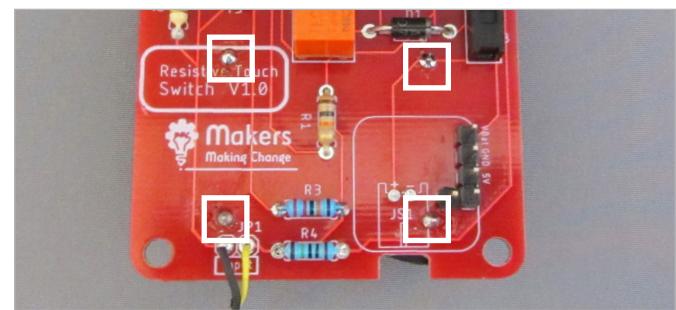
21. JP1



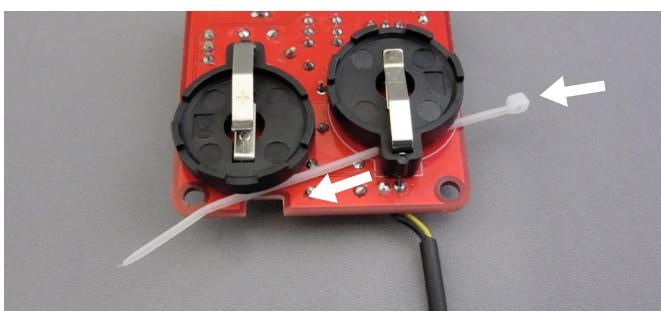
22. x 2



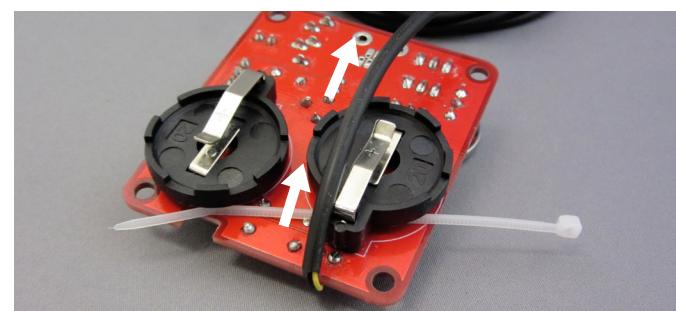
23. BH HOLE B1 HOLE B2



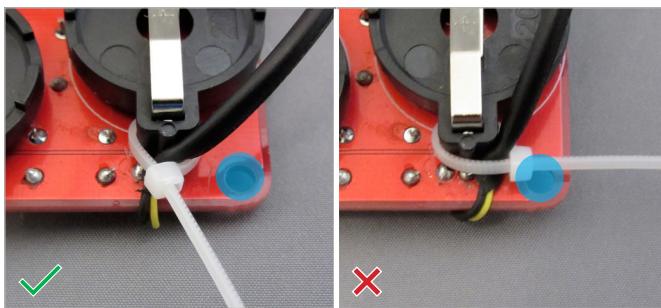
24. x 4



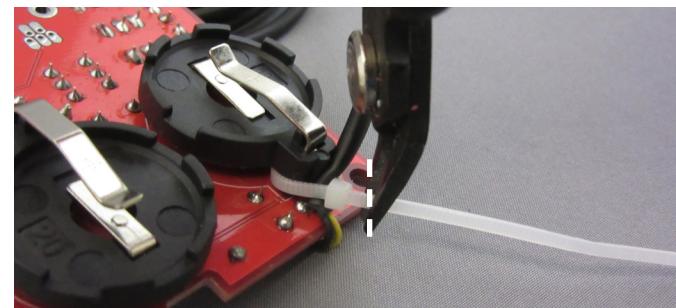
25. 5



26. Move the cable so it lays over the battery holder.



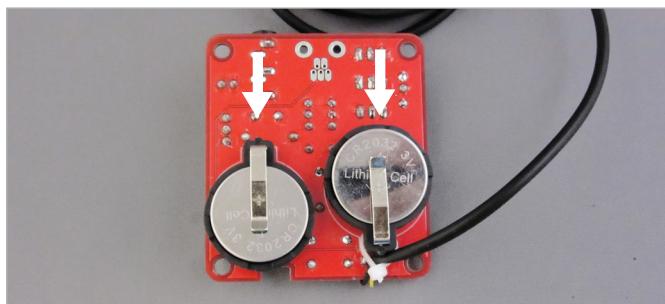
27. **IMPORTANT:** Ensure the zip tie knot is not in the way of the PCB hole highlighted in blue.



28.

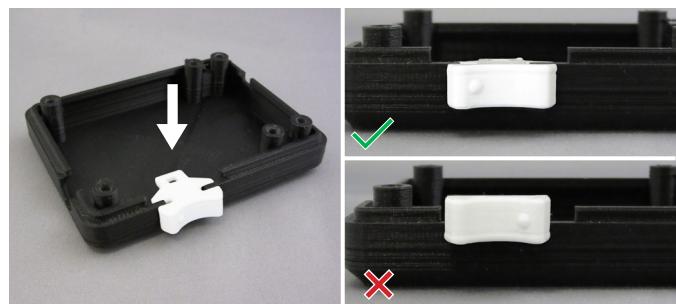
Resistive Touch Switch

ASSEMBLY MANUAL



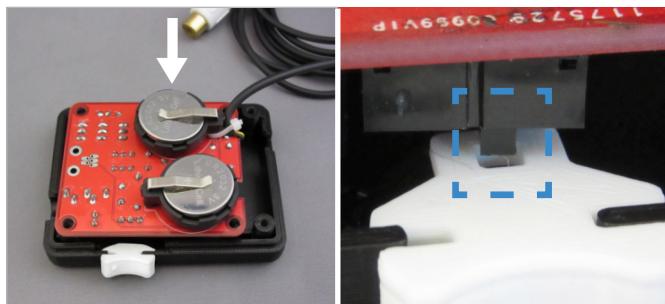
29.

BAT

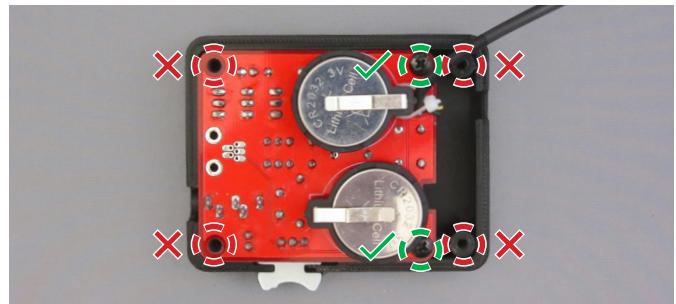


30.

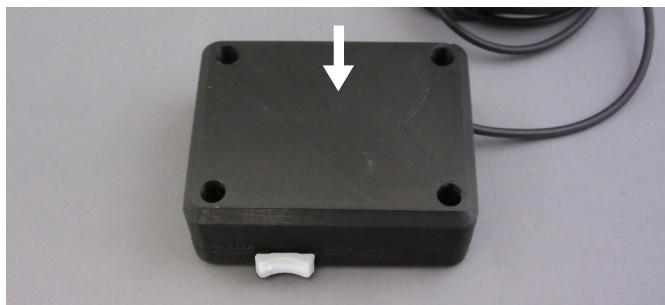
2 | 7



31. **IMPORTANT:** Ensure slide switch fits into the case switch hole (highlighted in blue).



32. Add two screws into the holes in green.
4
x 2

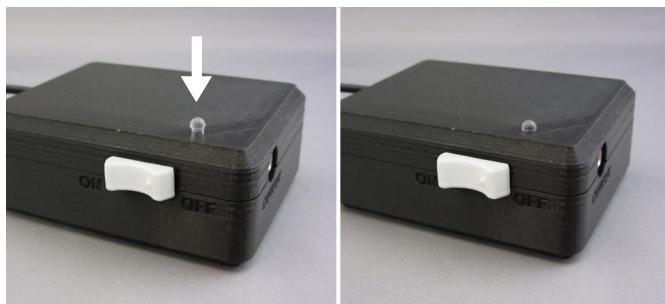


33.

1

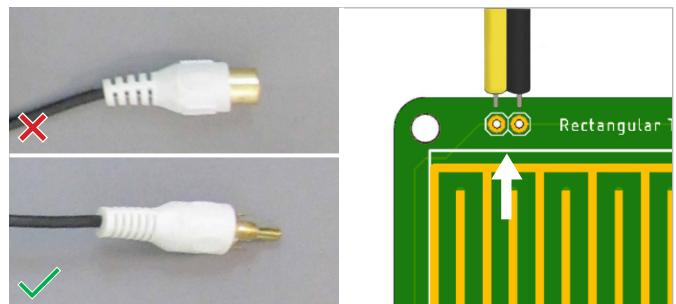


34. Add four screws into the holes in green.
4
x 4



35.

6

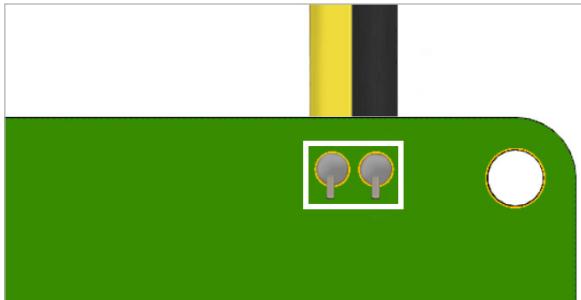


36.

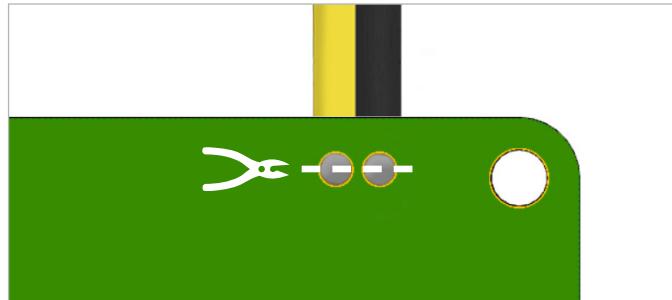
9

Resistive Touch Switch

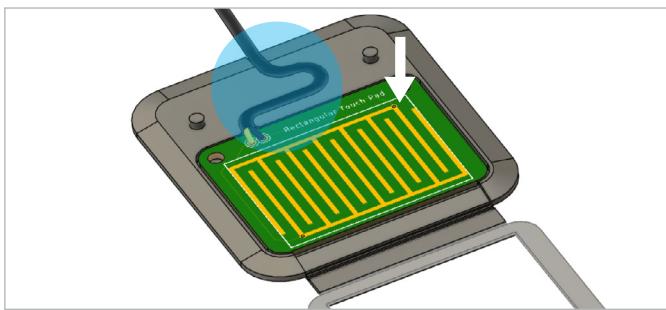
ASSEMBLY MANUAL



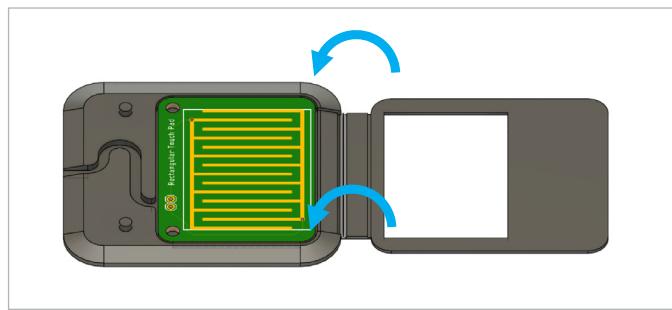
37.  x 2



38.



39. Place the PCB into the enclosure and snake the RCA cord in divot highlighted in blue. **10**



40. Gently fold the front cover over until it clicks together.



41. Connect the touch pad conenctor to the main switch hub.



42. Turn the switch on. The LED light will turn on when activated.