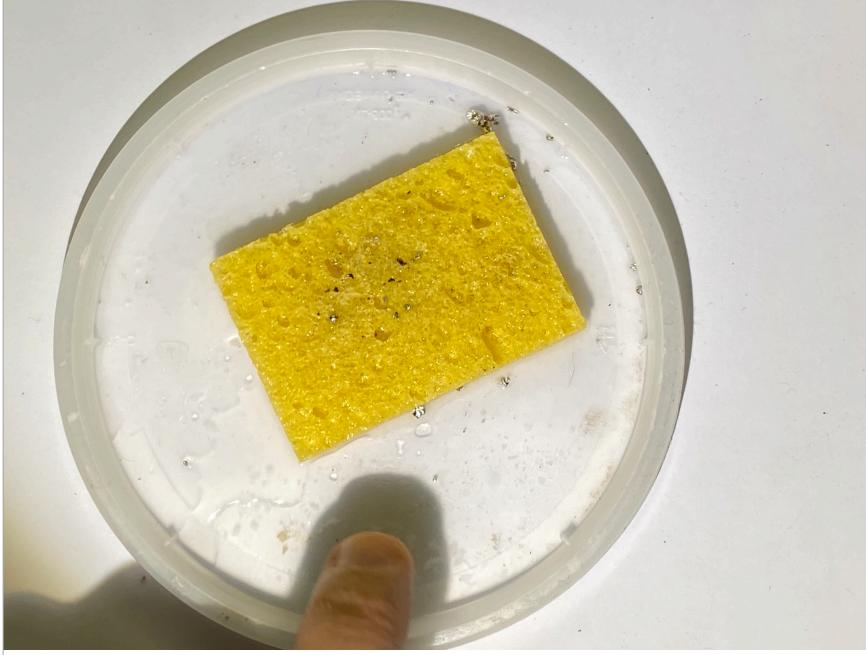


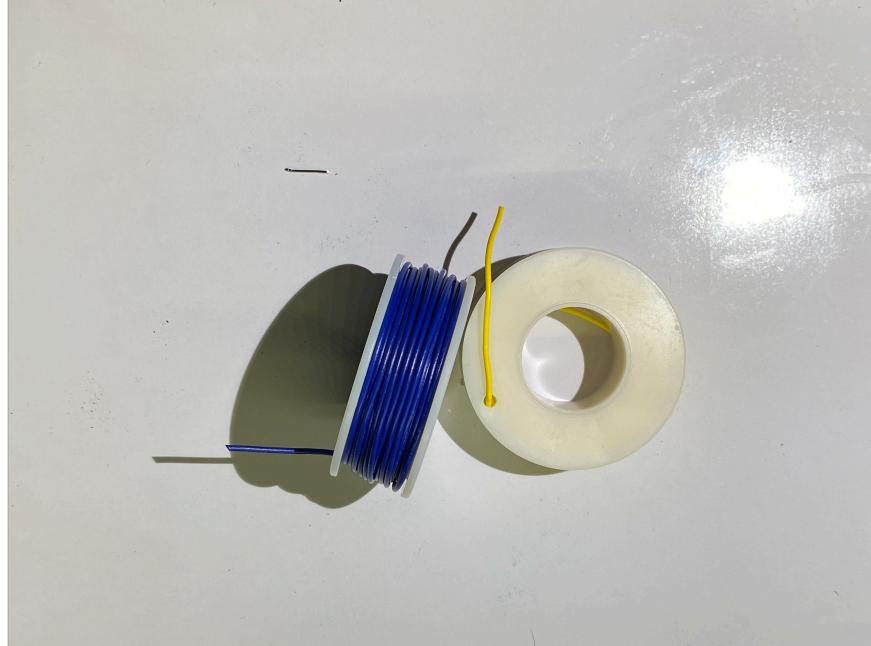
Table 1

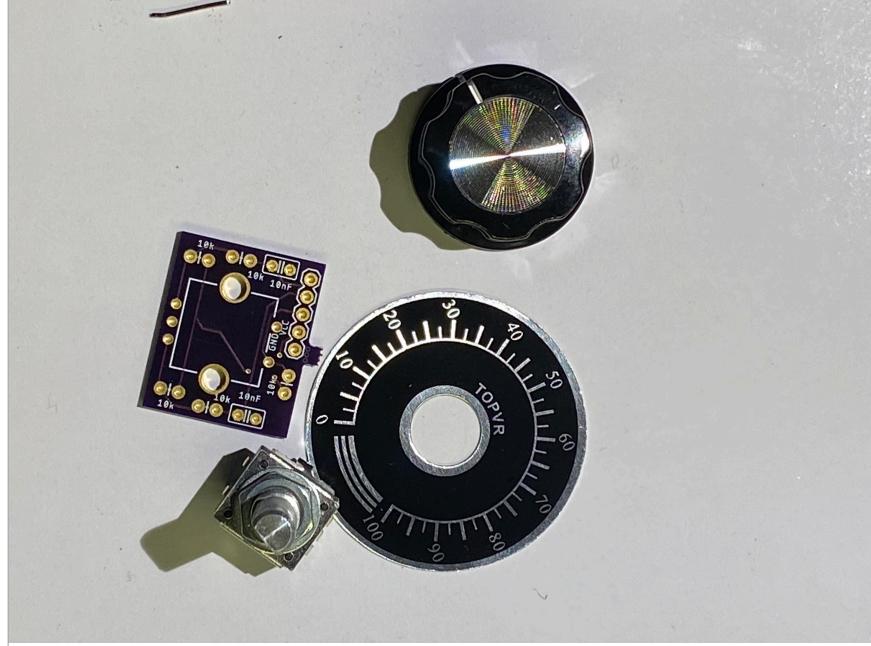
Name	Return to MIT	description	picture
Flush Cutter	Yes	For cutting electronic leads	 A pair of red-handled flush cutters, showing the cutting edges at the very tip of the jaws.
Wirestripper	Yes	Integrated wirestripper, cutting tool, crimper, and mini pliers	 A multi-functional tool with red handles, featuring integrated wirestripper, cutting, and crimping functions.
Pliers	Yes	Both pliers and cutting edge on inside	 A pair of green-handled pliers with the cutting edge located on the inner side of the jaws.

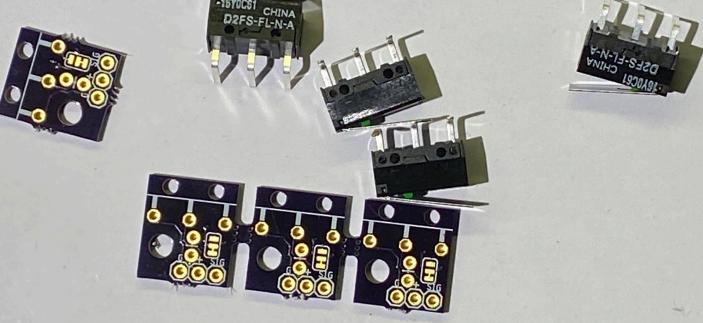
Name	Return to MIT	description	picture
Screw driver set	Yes		
Digital multimeter	Yes		
Soldering iron & stand	Yes		

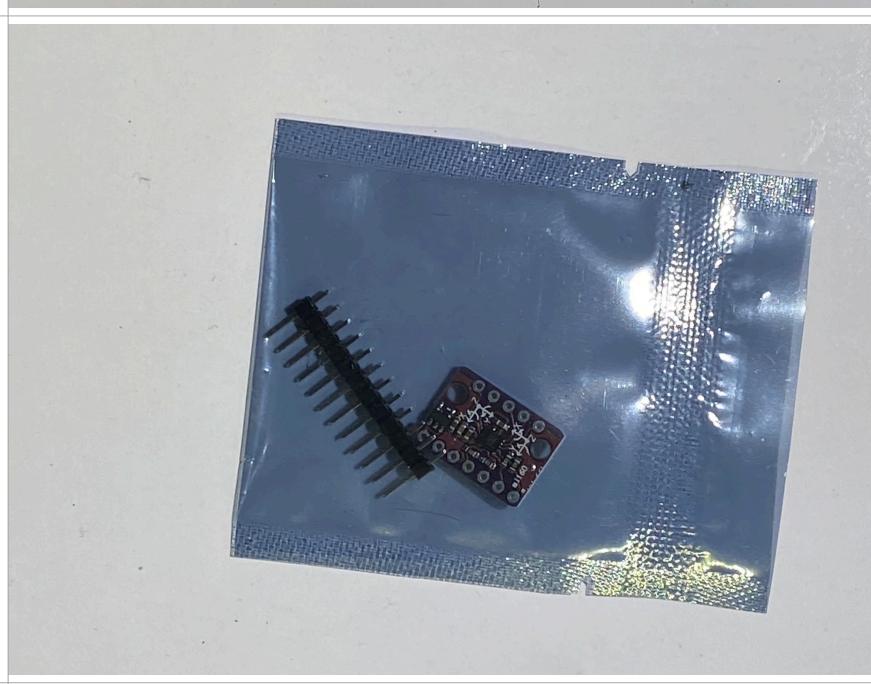
Name	Return to MIT	description	picture
Sponge	no	I think there is two included in your kit. If you don't use both, return the unused one.	
Solder sucker	Yes		
Soldering iron tips	Yes		

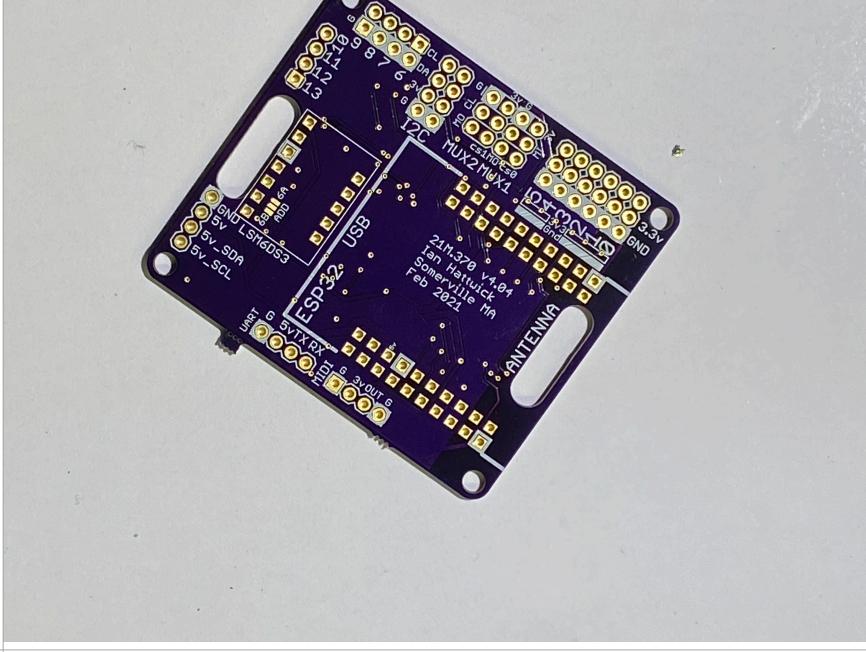
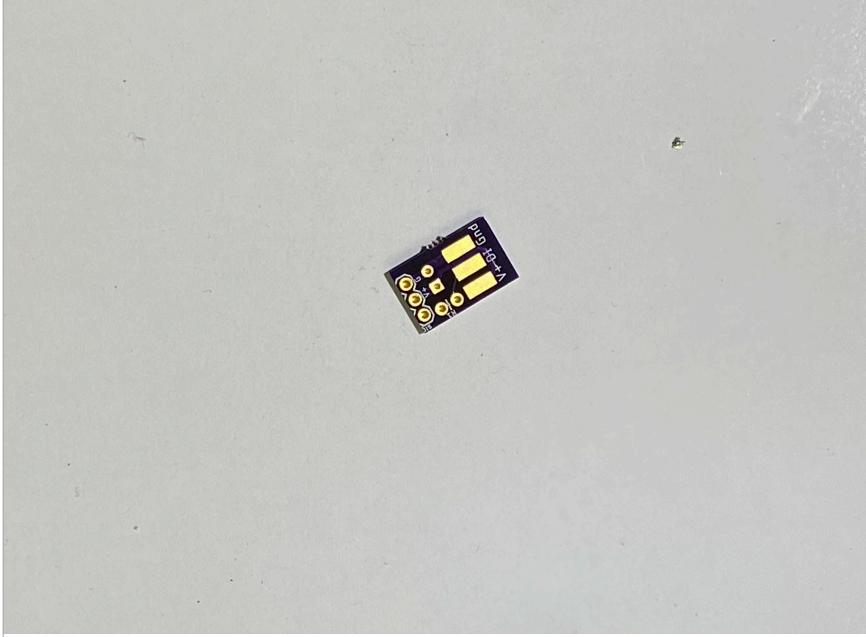
Name	Return to MIT	description	picture
60/40 Leaded solder	Yes		
Alligator clip cables	Yes		
Jumper cables	no		

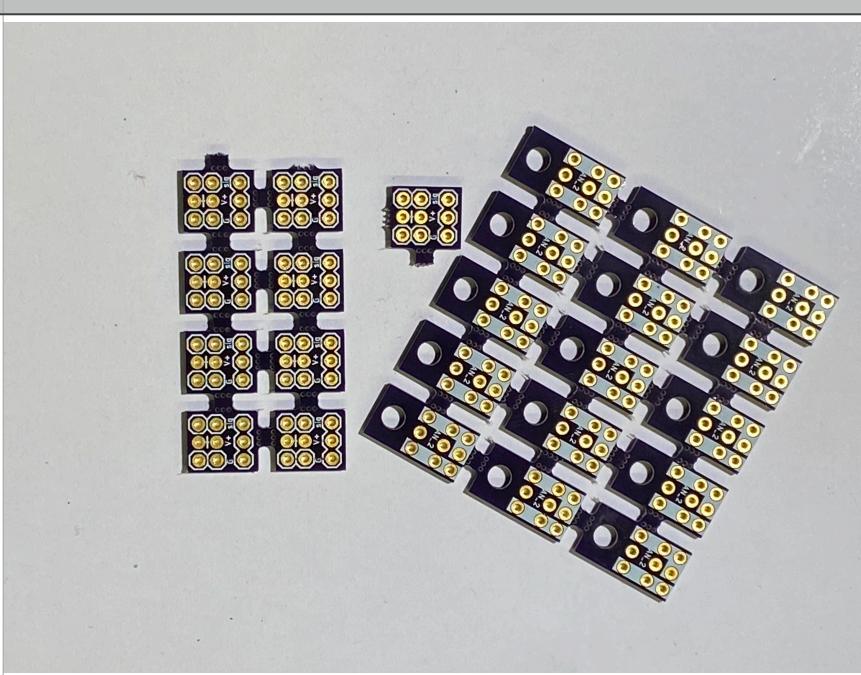
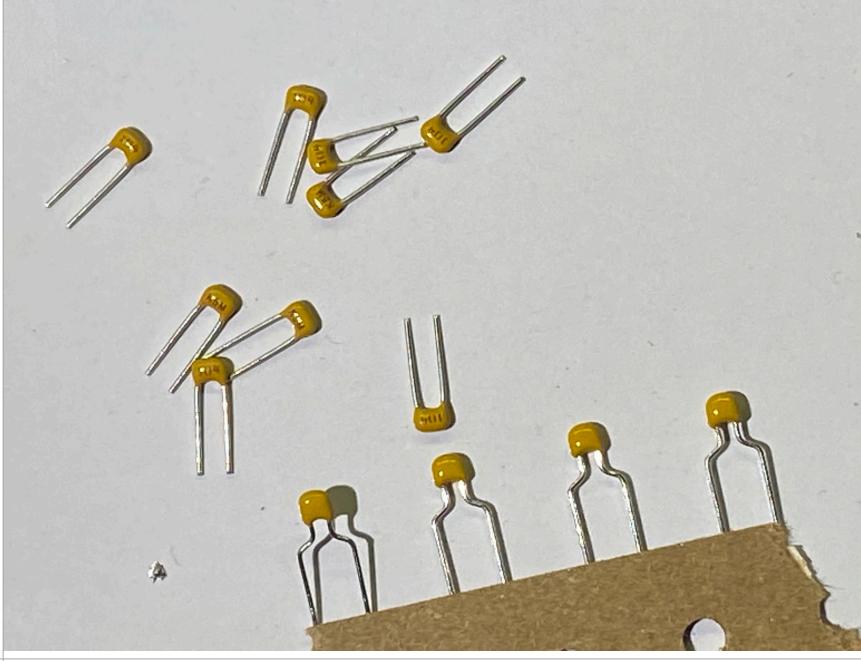
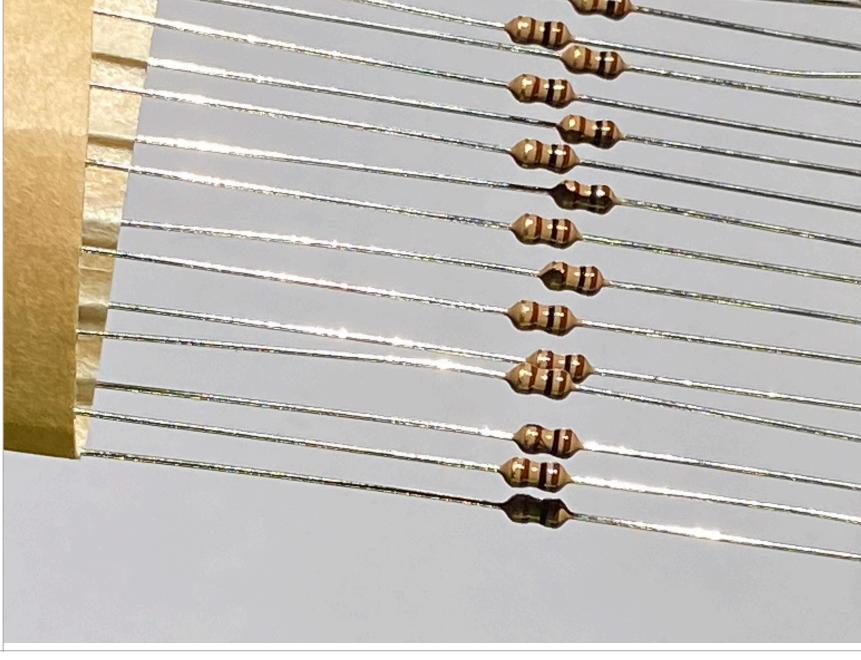
Name	Return to MIT	description	picture
Headers	no		
Hookup cable, stranded	Yes		
M3 Screws and standoff kit	Yes		

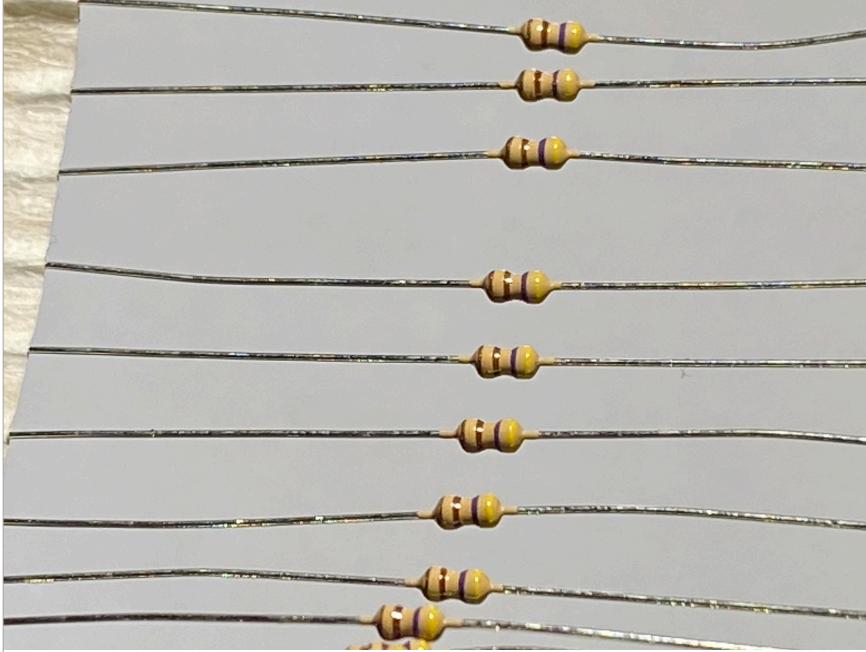
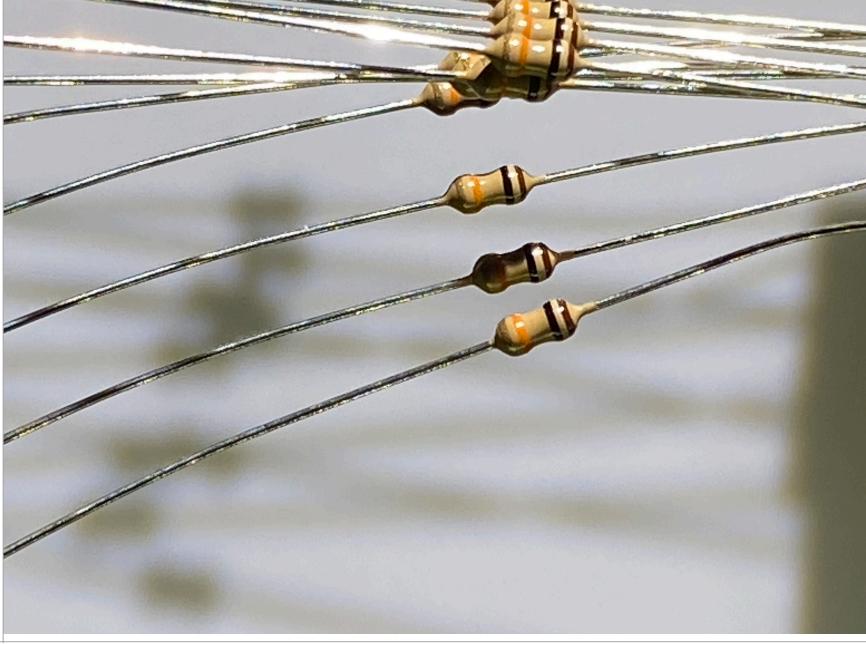
Name	Return to MIT	description	picture
Buttons	no		
Potentiometers	no		
Rotary encoder w/knob	no	The metal ring is optional - you probably don't want to use the printed side as it won't make sense for an encoder. You could use it with one of your potentiometers though.	

Name	Return to MIT	description	picture
Optical transmitter/receiver	no	<p>Receiver/photosensor is slightly shorter and has black circle IR LED has red circle</p> <p>With circles facing you pinout is: LED: Cathode-Anode Photosensor: Emitter-Collector</p> <p>Photosensor: Everlight PT928-6C-F <u>datasheet</u></p> <p>IR LED: Everlight IR908-7C-F <u>datasheet</u></p>	
Joystick	no	Needs a small modification to make button work	
Limit switch	no		

Name	Return to MIT	description	picture
Copper Tape	no	For use with capacitive sensor	
MPR121 Capacitive touch sensor	no		
LSM3DS6 Accelerometer/ Gyroscope	no		

Name	Return to MIT	description	picture
ESP32 TTGO Mini	no		
ESP32 Breakout PCB	no		
WS2812 breakout PCB	no	Different pad layout on either side to match various WS2812 or Neopixel strips Extra holes for optional capacitor	

Name	Return to MIT	description	picture
Sensor breakout	no	<p>Signal connected with L-shape white overlay</p> <p>Ground connected with straight white overlay</p> <p>V+ in middle</p>	
Capacitors	no	<p>0.1uF Loose - marking 104</p> <p>10nF on paper strip - marking 103</p>	
100 Ohm resistor	no	Color code Brown-Black-Brown	

Name	Return to MIT	description	picture
470 Ohm resistor	no	Color code Yellow-Purple-Brown	
1k Ohm resistor	no	Color code Brown-Black-Red	
10k Ohm resistor	no	Color code Brown-Black-Orange	

Name	Return to MIT	description	picture
100k Ohm resistor	no	Color code Brown-Black-Yellow	