SOLDER MONKEY'S TQS PRO MICRO REWIRING GUIDE

I started a new TQS conversion this weekend. Before I started messing with the grip, i made sure to write down how thrustmaster connected stuff.

Anywhere you see a color/number combination, it is from the cable end connector, with pin 1 in the upper left, pin 2 lower left and pin 14 lower right.

Cable Pin connections in this orientation, wire color :

- Dogfight Forward – Brown
- Speedbrake Aft – Red
- Dogfight Aft – Orange
- Return Line for Switches – Yellow
- Nub Switch near Cursor Control – Green
- Wire to RANGE pot right side – Blue
- ANT pot wiper (AXIS) – Purple
- RANGE pot wiper (AXIS) – Gray
- Speedbrake Forward – White
- Range knob push switch – Black
- Comm Left – Brown
- Comm Right – Red2
- Comm Down – Orange2
- Comm Up – Yellow2

Obviously, it's not ripe for a direct conversion, because the pots and the buttons connect…so……

Easiest and fastest way I see to do a conversion is to:

1. Remove the bare Silver cheater wire on the RANGE pot/switch.

2. Move the Blue / Yellow wires from the left side of the ***RANGE pot***
to the left side of the ***RANGE Switch***

3. Move the Brown jumper wire from the left side of the ***RANGE switch***
to the left side of the ***RANGE pot***

4. Add a single wire from +5V to the **left side** of the ***RANGE pot.***

5. Blue (Wire 6 above) becomes the Ground.

6. The Brown wires will then pass +5v PWR and GND to the ANT pot.

That's two cuts and three solder actions.

That direct connection setup gives you 10 switches in 10 Columns and 1 Row and no need for diodes.

This obviously isn't perfect.... You lose the cursor control completely and with the three AXIS inputs you're giving up board inputs that you could do other stuff with.

The question is are you replacing cursor with an analog stick, or a micro joystick made of switches. That should help you decide to split the button inputs into a matrix or to retain the original 10/1 system for buttons.

SM.