In the beginning there was version 1 of the schematic.

From this a PCB was made which is marked 2686420A_y22

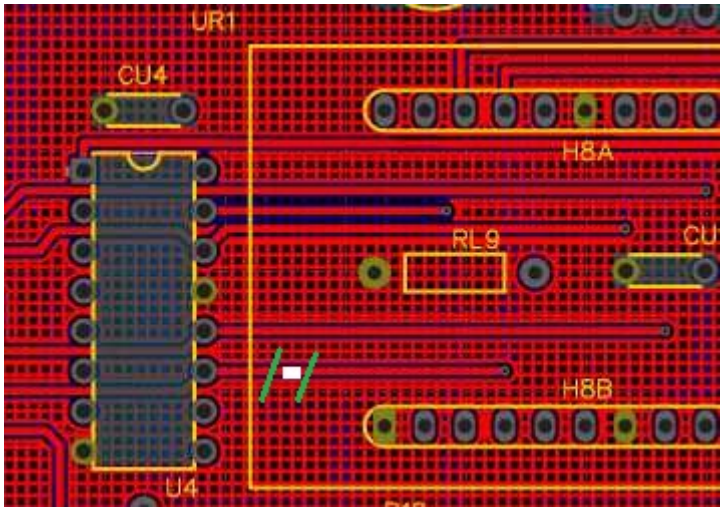
Version 2 of the schematic[1] contains:

- Two PCB corrections; and
- Adds VCC to H5A and text on how to connect an optical encoder instead of the assumed mechanical encoder.

PCB corrections required to 26866420A_Y22

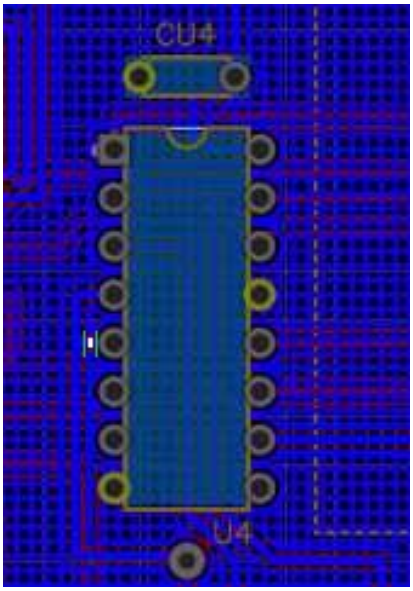
Two tracks need to be cut.

On the top (component) layer of the PCB cut the track running from U4 pin to 17 on H8A as shown below.



On the bottom layer of the PCB cut the track running from U4 pin 5 to U4 pin 4 as shown below.

[1] As of 15 August 2021 no PCB has been generated from this schematic.



Using an optical encoder- additions required to 26866420A_Y22

The PCB was designed with a mechanical rotary encoder in mind.

To change this to an optical encoder:

- Pull up resistors R9 and R10 should not be installed – the optical encoder has its own internal pull up resistors; and
- Add VCC to pin 4 on H5B – it currently is not connected to anything. I do this by running a short length of insulated wire from H5B pin 4 to one end of the not-installed empty R9.