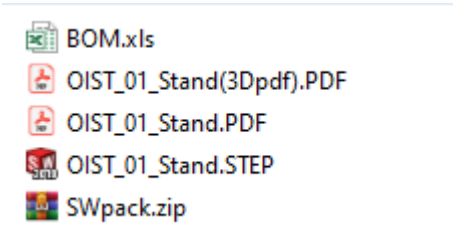
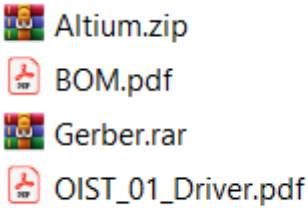
1. CAD/CAE/CAM



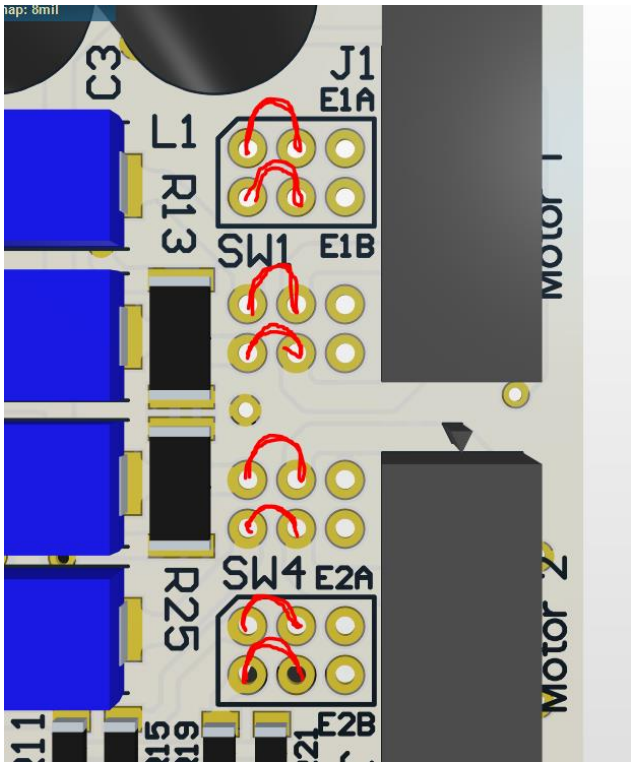
- BOM (Bill of materials) contains a list of all parts and some comments for future redesign (if necessary);
- SWpack – SolidWorks project;
- Other – 3D models.

2. HARDWARE



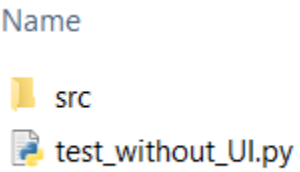
- Altium Designer project;
- Gerber and BOM files for ordering boards;
- Schematic.

If you do not want to use BNC control, solder the wires according to the documentation or as in the picture below

- 

3. SOFTWARE

- ESP12E contain code for driver (Arduino IDE, ESP-12E MCU);
- Python code needs for user interface (or you can control the device directly from browser).



Structure of experiment file (should be on src folder, look on test.csv):

Time, s	Belt 1, mm/s	Belt 2, mm/s
0	0	0
10	Some value	Some value
…	…	…
Some value	0	0

To start working with stand:

- Turn on the driver;
- Wait ~10s;
- Connect to WiFi: SSID - “Driver”, Password – “12345678903”;
- (If use python code) put the time vs. speed file to src folder. Find log files on out folder after finishing of the experiment;
- (If operated manually) proceed to 192.168.4.2.