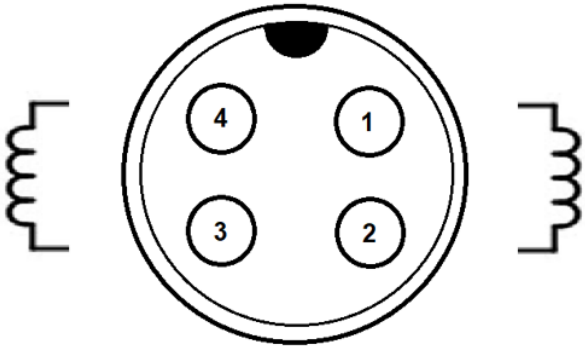
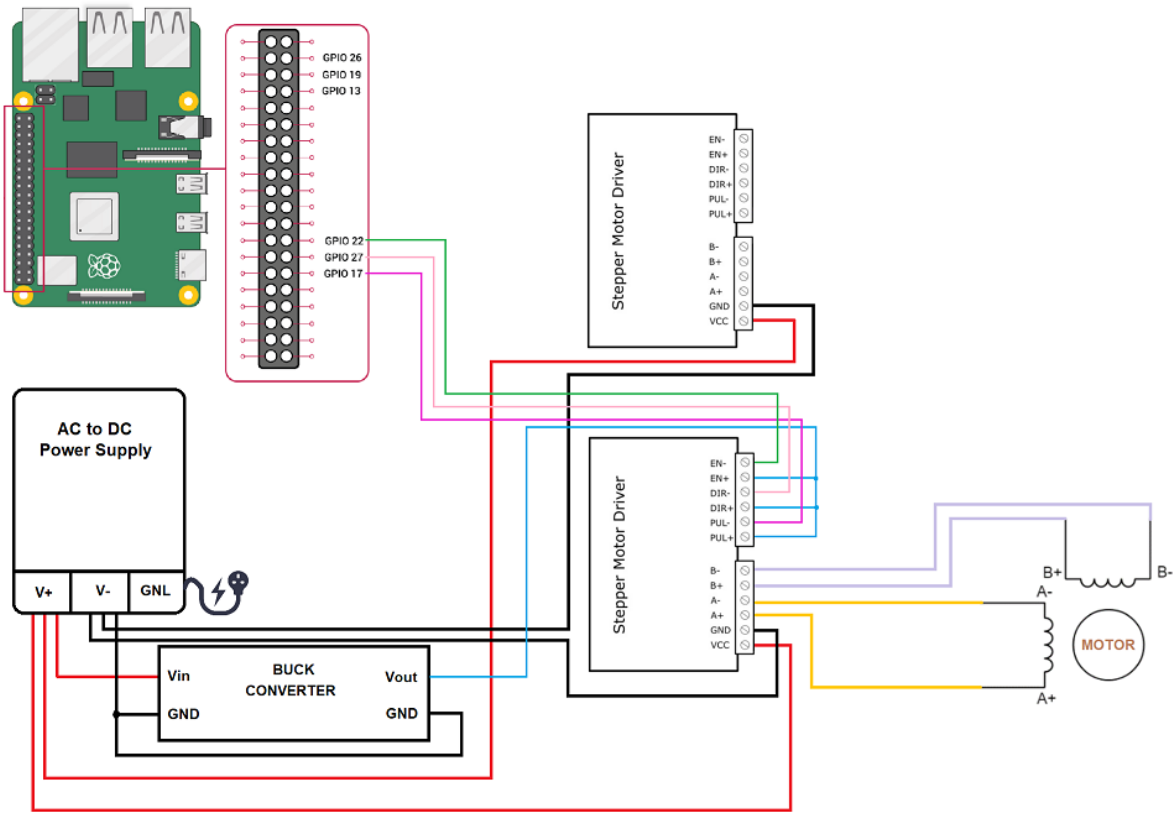
Guidelines

Recommendation is to first go through the document on '1 Motor Circuit' as we pick up from there onwards.

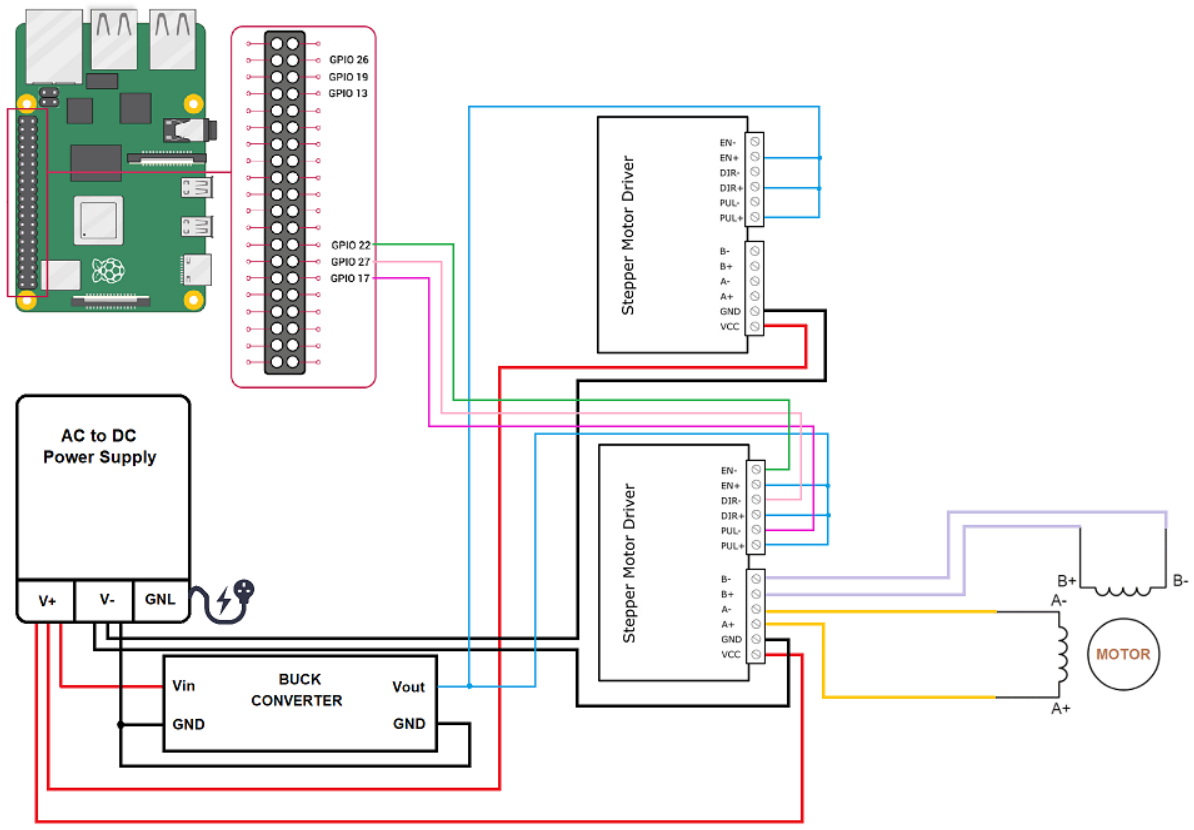
To begin with, solder 4 separate 22-gauge wires on 'Conxall/Switchcraft 3382-4SG-521'. Try to use different colour wires for each winding (Yellow for winding A, and White for B). Below is a diagram of the motor windings connection on the connector:



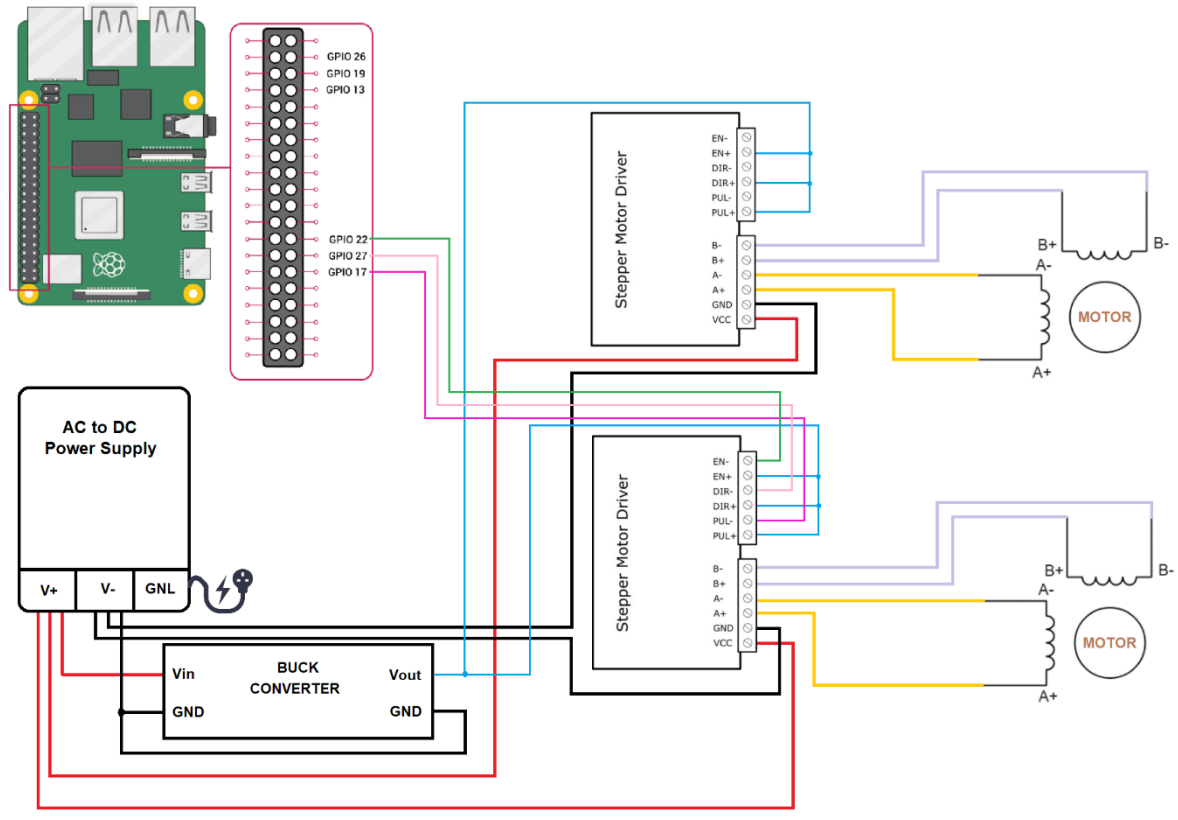
1. Assuming connections for 1 motor already exist, begin with making the connection between PSU and the second stepper motor driver (AC+ and the AC-).



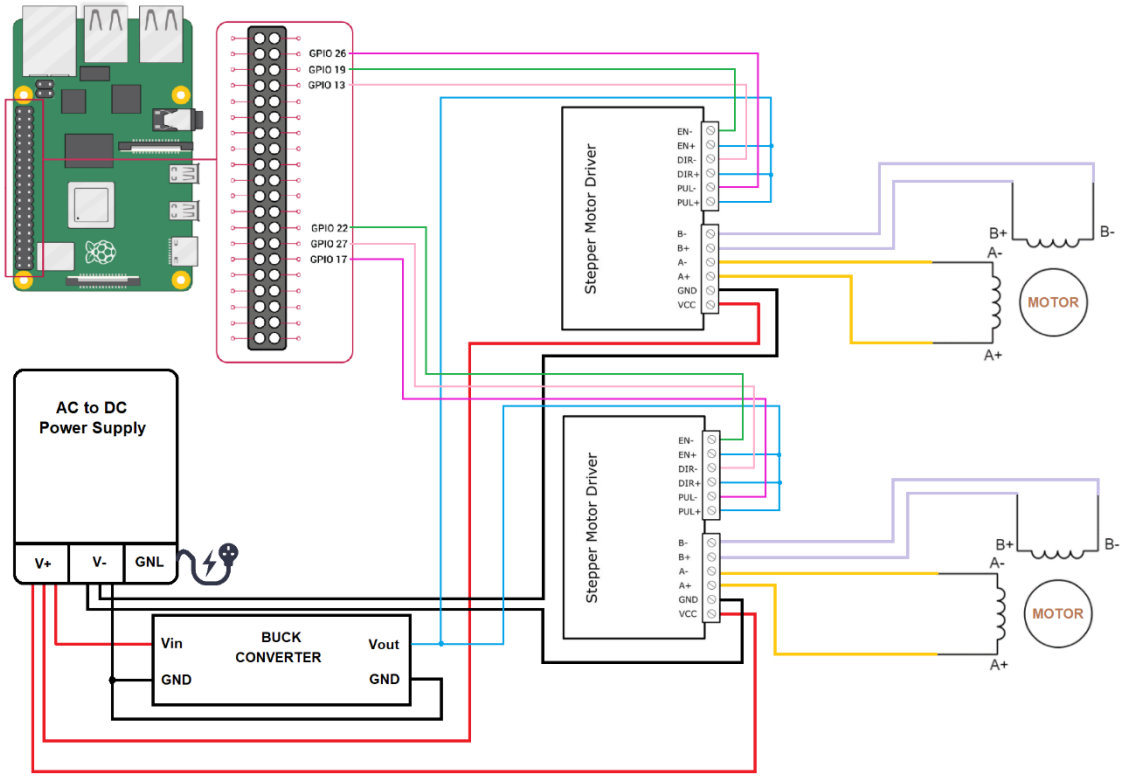
2. Connect the buck converter output to the ENA+, PUL+ and DIR+ of the second stepper motor driver.



3. Next connect the second motor to the second stepper motor driver making sure same color wires go in the same set of inputs.



4. Lastly, connect second stepper motor driver (ENA-, PUL- and DIR-) to RPi using jumper wires.



And that's it, the setup is complete for 2 motors. You can use the code available in the 'Codes' directory.