

RAMPS 1.4 WIRING

G3D MANUAL V1.0

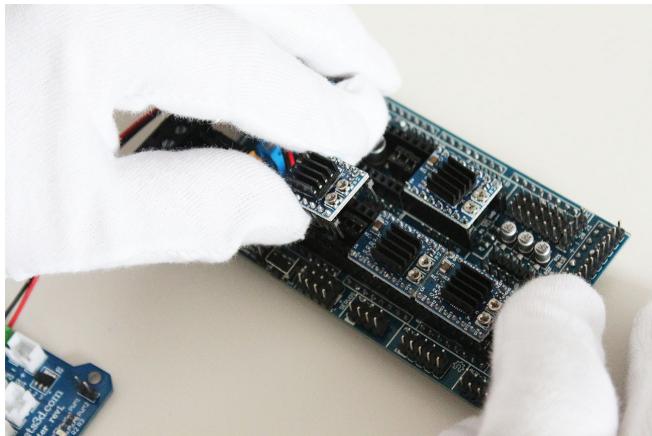


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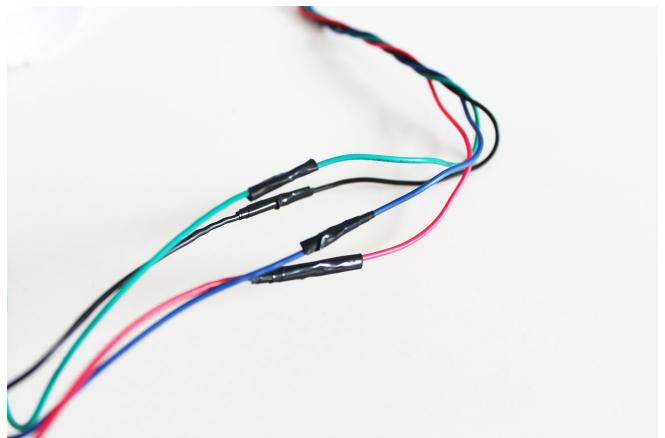
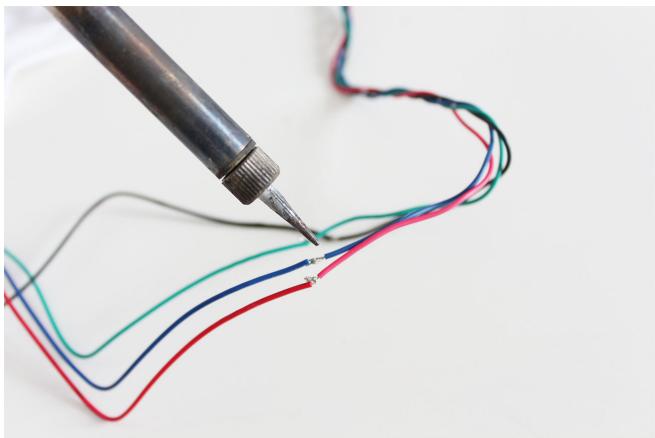
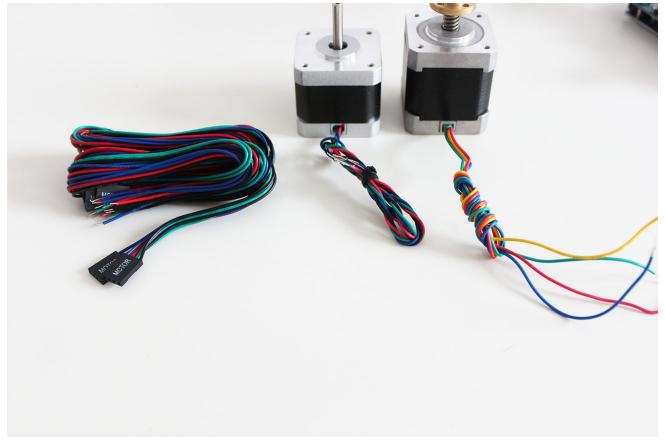
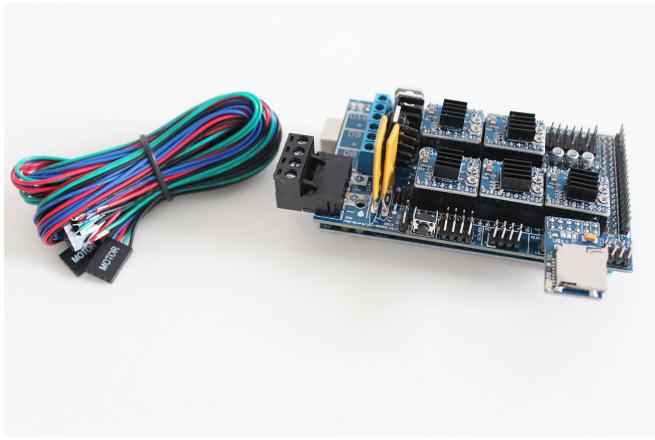


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RAMPS 1.4

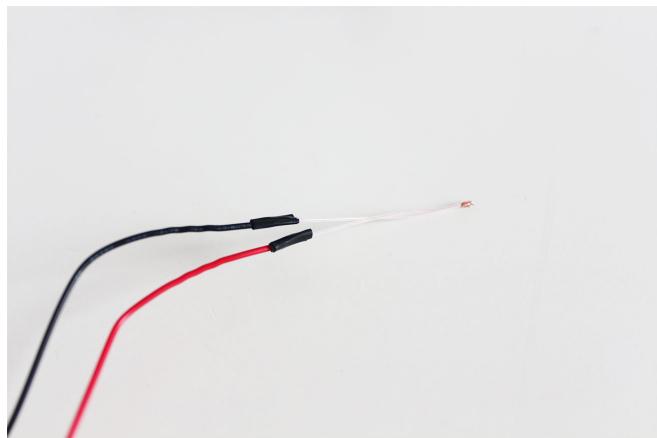


Unpack RAMPS box (RAMPS 1.4 + arduino + sd shield);



Take motor wires and solder the same colors from wires with connector and use tape to protect the connection, this will apply to X, Y and E motors;

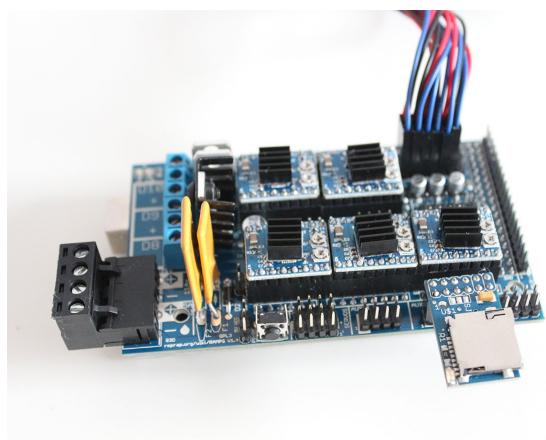
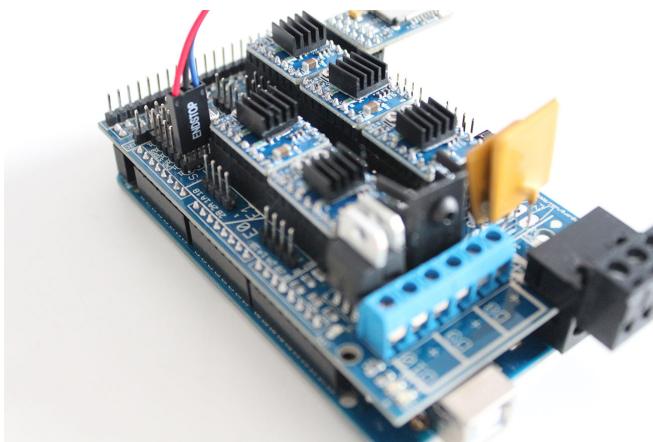
connector wires	motor wires
black	yellow
green	blue
red	red
blue	green



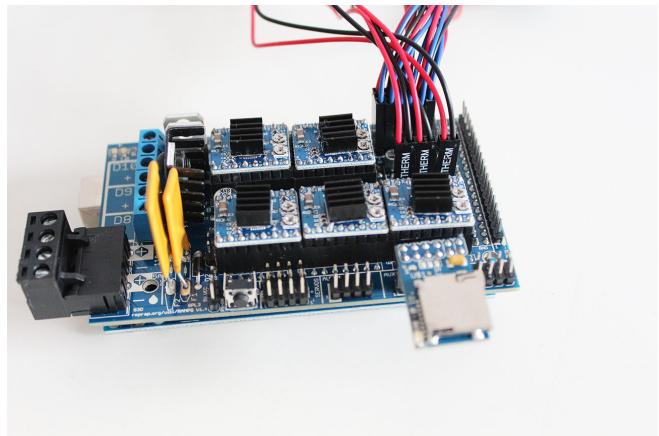
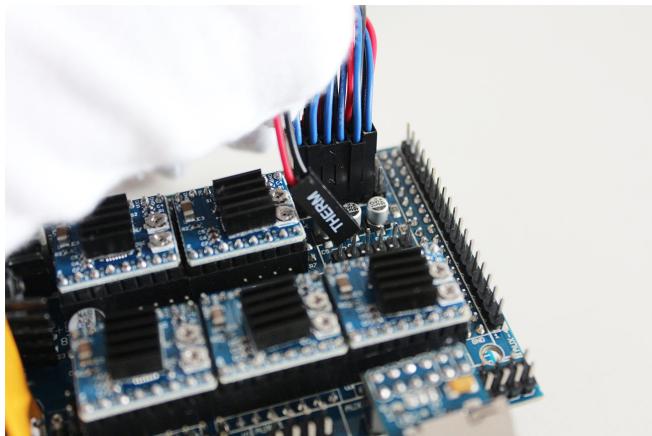
Take thermistor wires with connector and thermistor (heatbed, hotend), Solder it like before, and use tape to protect the connection;



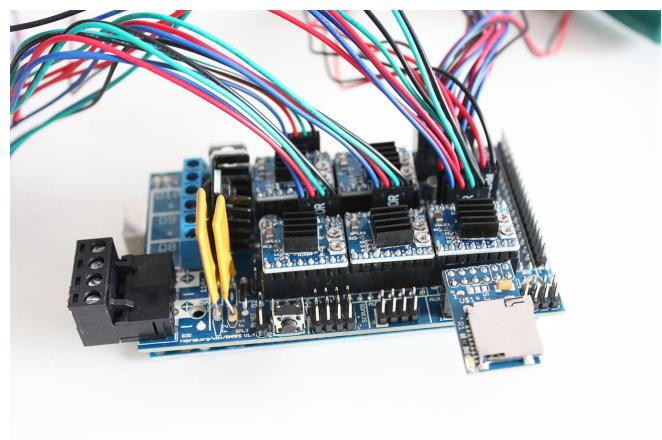
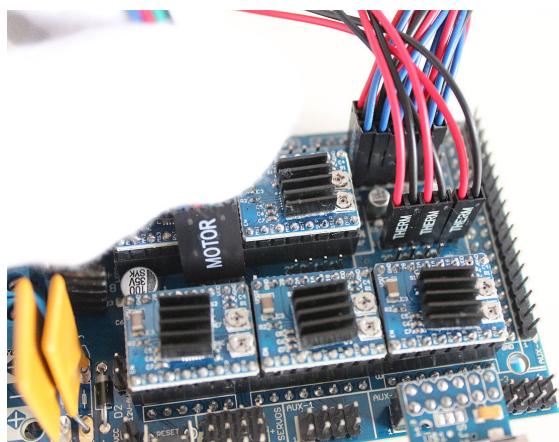
After soldering motors, endstops, thermistors You can connect them into RAMPS board;



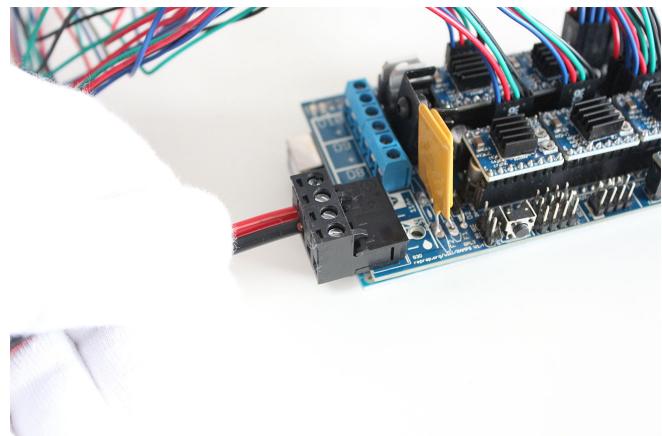
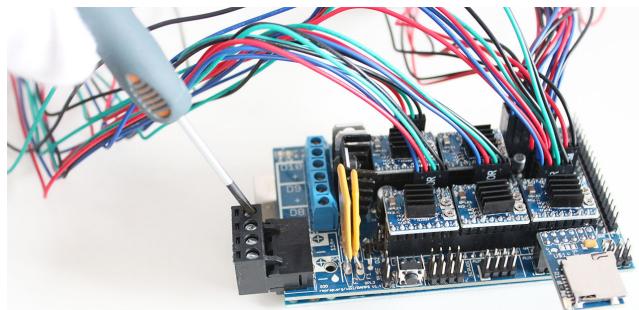
Take endstop connector and place it;



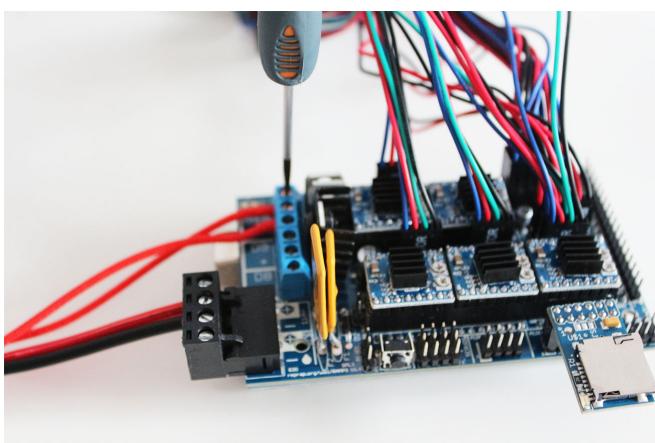
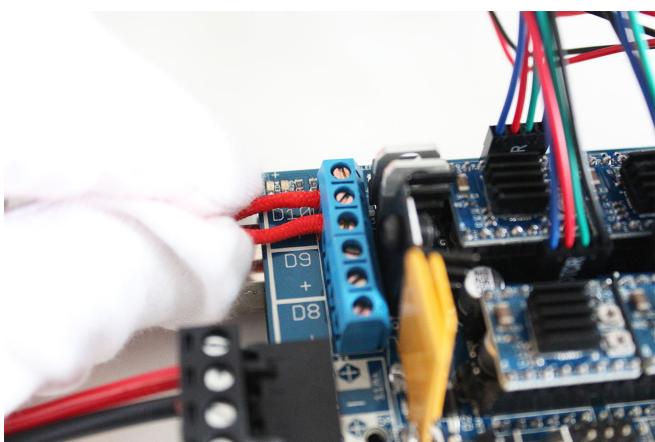
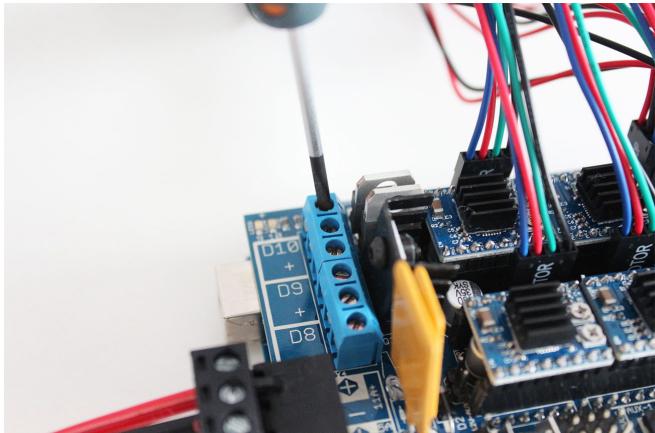
Thermistor connectors should go near endstop pins;



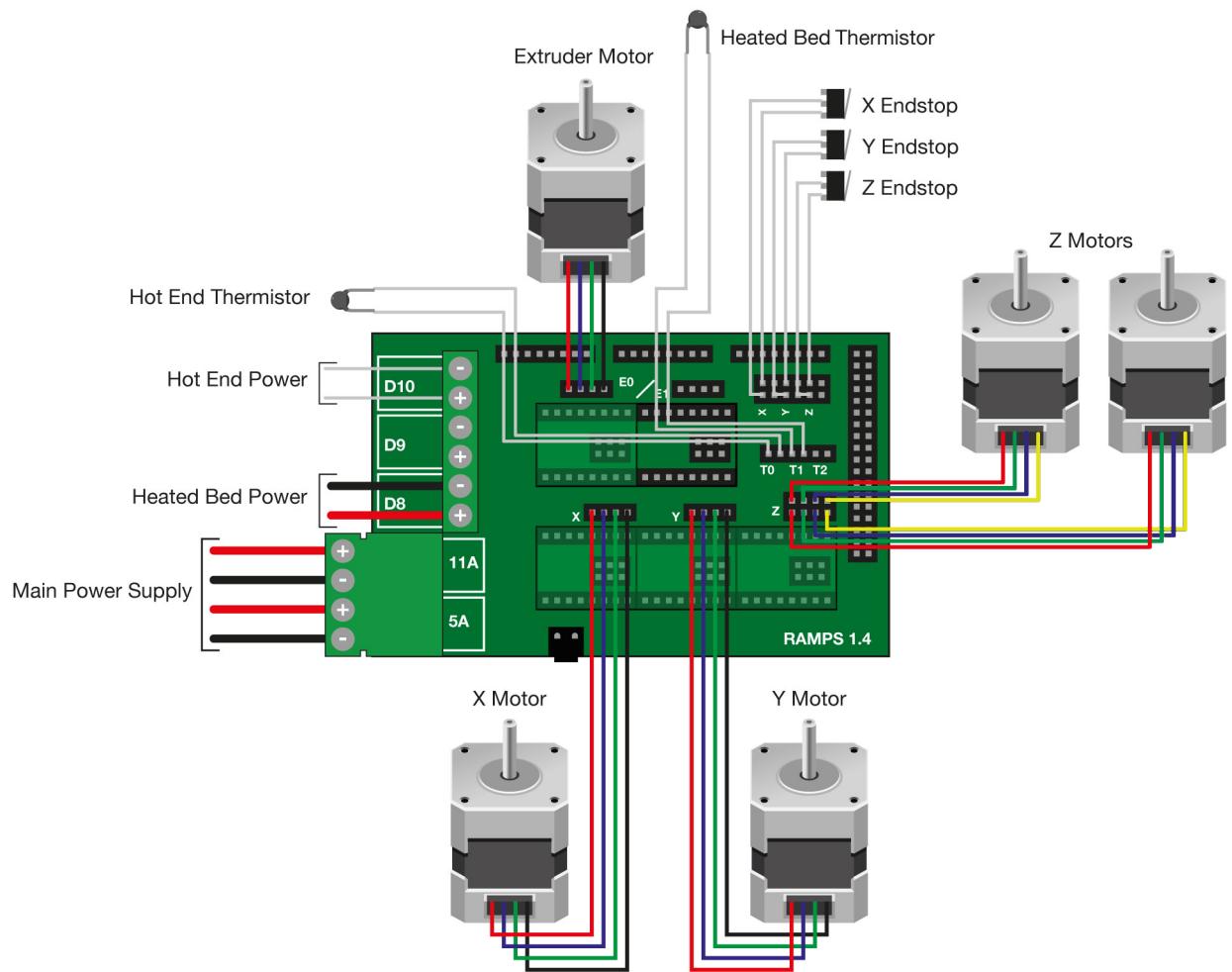
Take motor connector and connect it near drivers;



Take flat screwdriver to loose power connector then connect power wires;

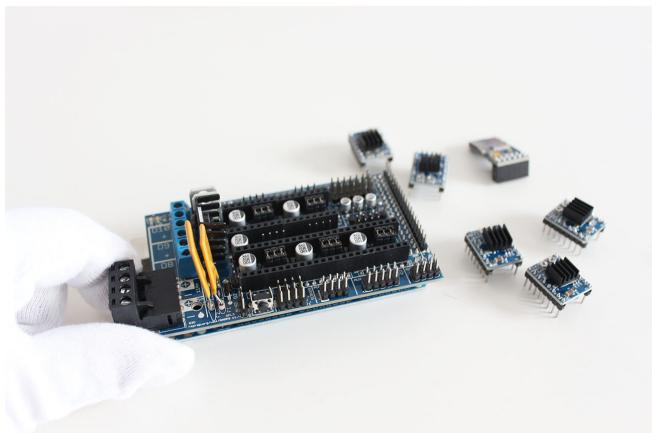
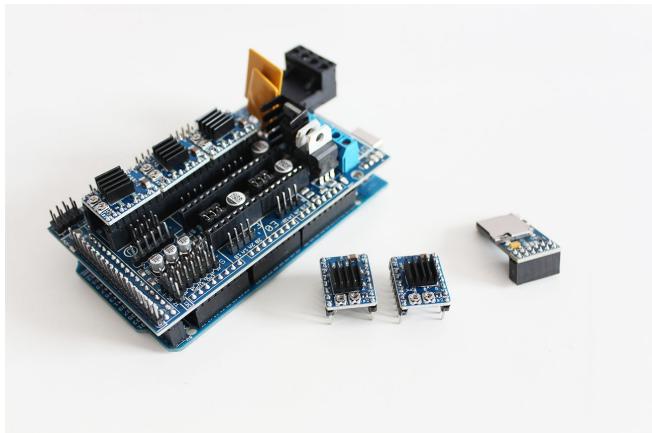
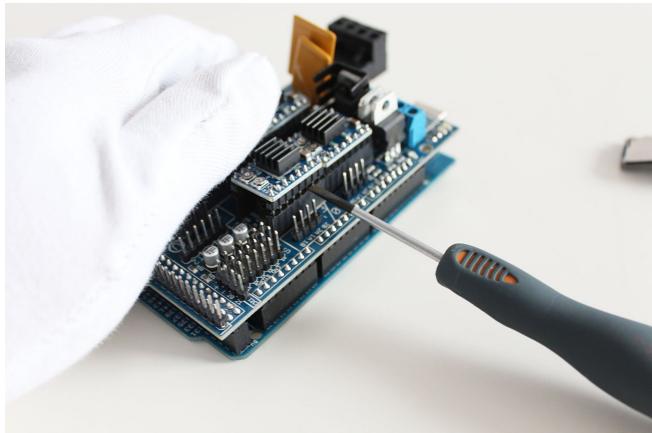


With the same screwdriver loose hotend connector then connect wires, after this operation tighten the screws;

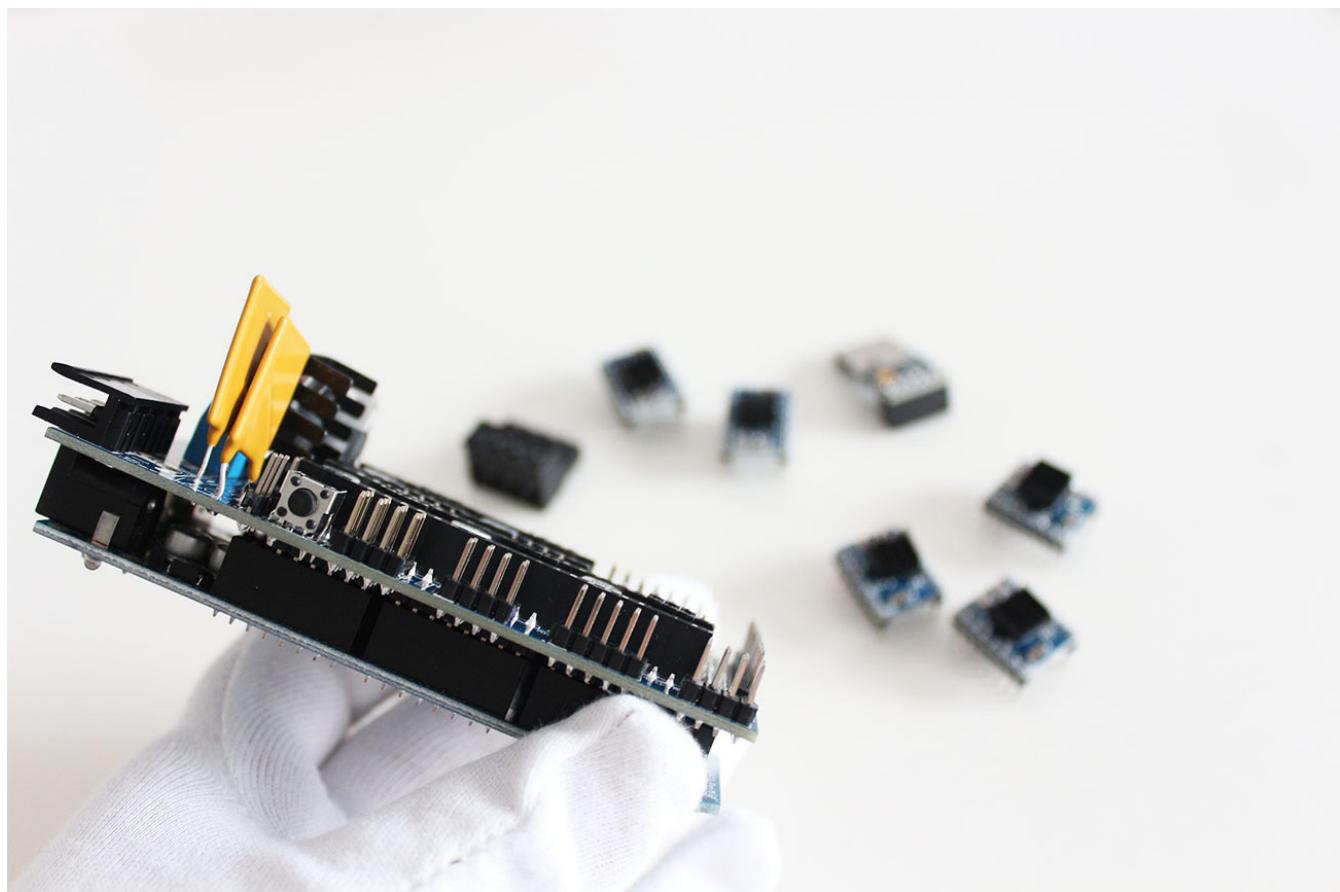


RAMPS 1.4 wiring schematic;

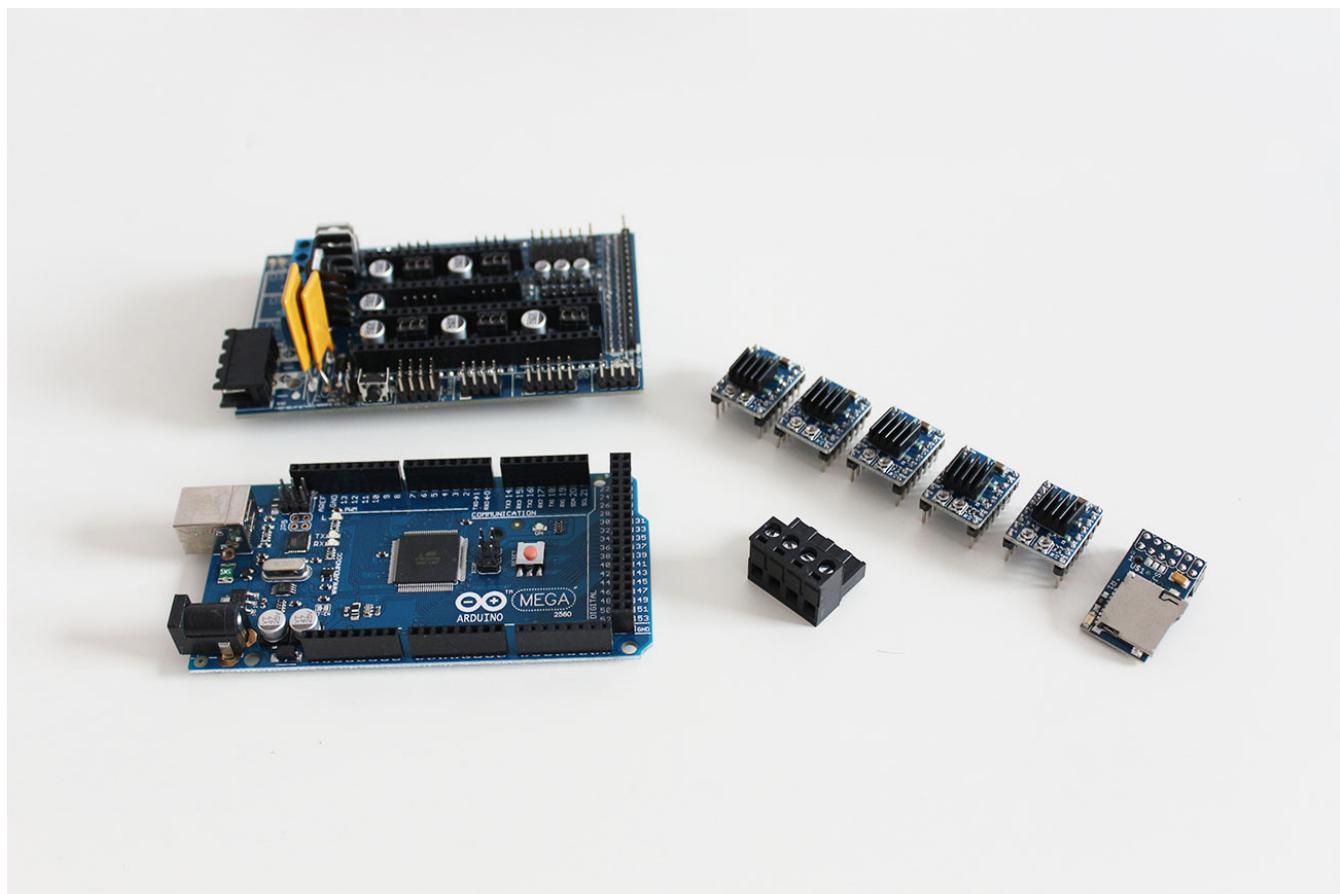
Additional RAMPS disassembly



Use flat screwdriver to undermine the A4988 step motor drivers,



Use the same tool to deattach arduino module from RAMPS, after this unplug power socket;



Now your RAMPS is fully disassembled.