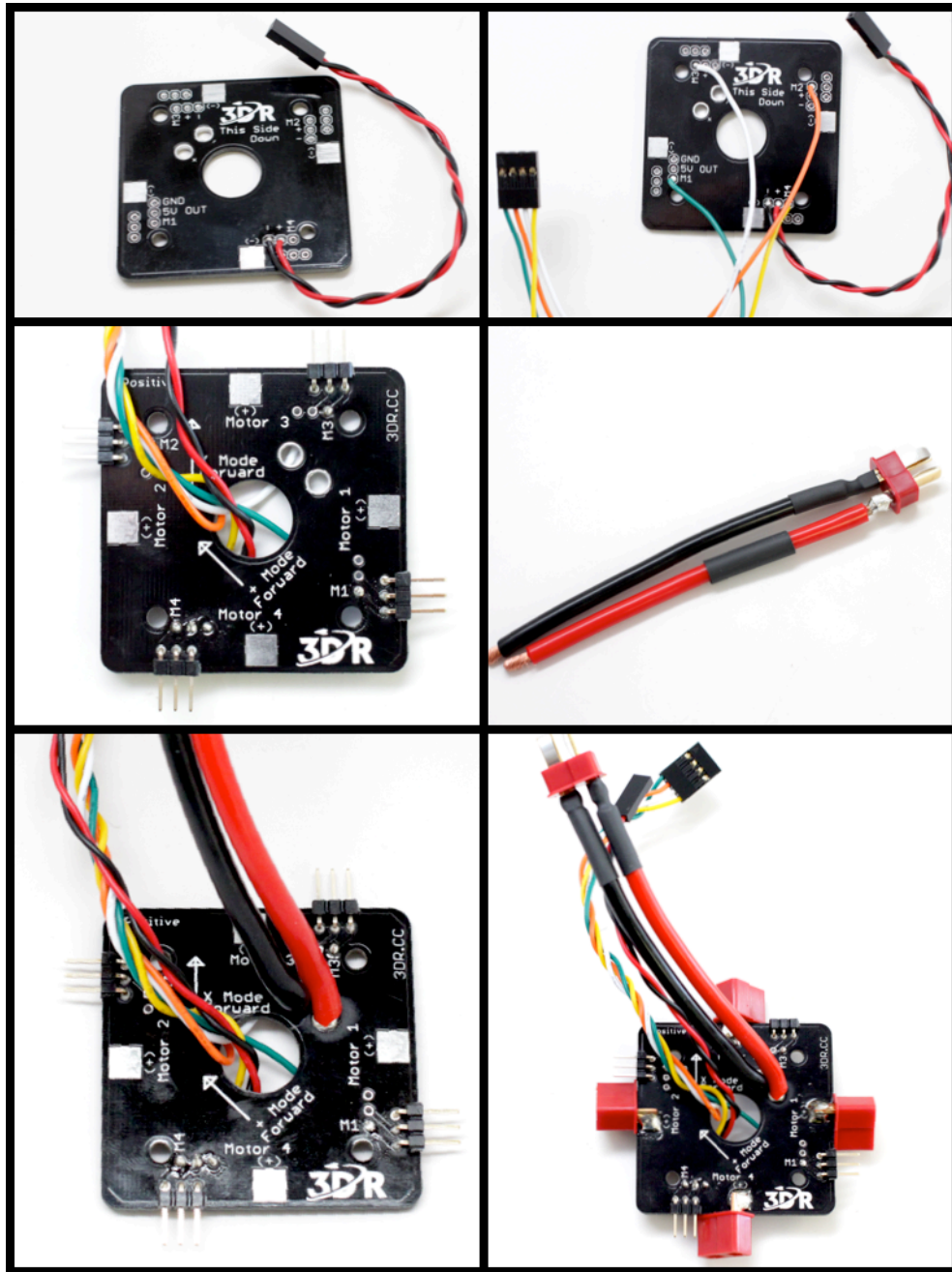


PDB Assembly



1. Solder the thin gauge red & black wire to "GND" and "5V OUT" on the bottom side of the PDB labeled "This Side Down".

2. Solder the four wire connector to the motor signals starting with the green wire on the edge of the connector to M1 on the PDB. Work your way down the connector soldering the wires in order. Orange to M2, White to M3, and Yellow to M4.
3. Flip the PDB over and slide the motor 4 pin cable and the power 2 pin cable through the hole in the center of the board.
4. Solder the 3 pin headers to the outermost through-hole pads along the perimeter of the PDB.
5. Strip Both ends of the 10AWG wire about 0.2in/5mm.
6. Solder the wires to the positive and negative female leads of a male Deans connector or a male XT-60 connector (Both supplied in the kit). *Note: this pigtail will connect to your flight battery, choose your connector accordingly.*
7. Slide a piece of heat shrink over the exposed connector leads and apply heat to shrink.
8. Solder the stripped ends of the 10AWG cable to the large holes in the center of the PDB labeled “+” and “-”. Remember red is positive and black is negative.
9. For this next step you have two choices:
 - a. Solder female Deans or your preferred connector to the +/- pads along the perimeter of the PDB. This is where the black and red wires of your ESC will plug in. *Note: Having a connector will allow you to quickly replace an ESC in the event of a failure. **The manual will continue with this method.***
 - b. Solder the black and red cables on your ESC directly to the PDB. *Note: This will save you a lot of time in this build by not soldering connectors to the PDB and ESCs but will make the build slightly more challenging because it will be harder to slide the ESCs +PDB through the center of the frame.*