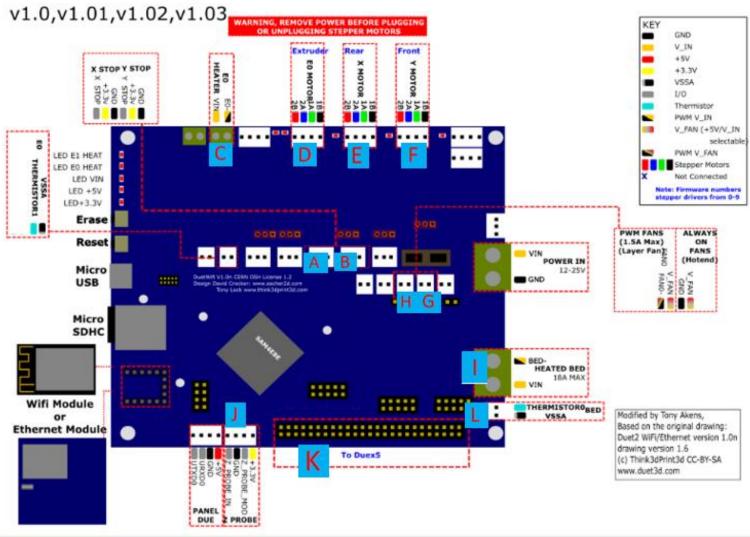
Railcore II wiring diagram

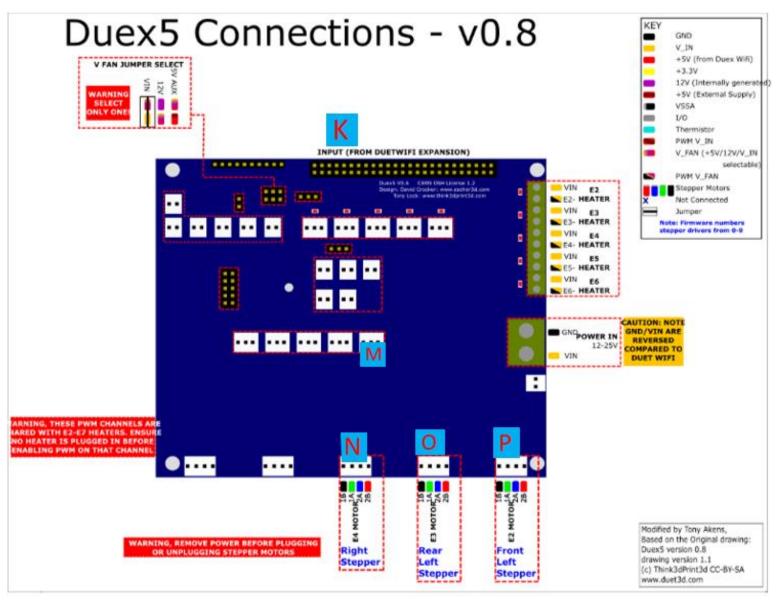
Duet Wifi / Duet Ethernet Connections



- A-Connect X-Stop here
- B B-Connect Y-Stop here
- C-Connect Bed Heater
- D-Connect Extruder motor here
- E-Connect Rear (X)
 motor here

- F-Connect Front (Y) motor here
- G-Connect Hotend FAN here
- H-Connect HotEnd Blower FAN here
- I-Connect Heater Bed here

- J-Connect Bltouch two wire leads here (note polarity) Use left most pins
- K-Connect Duex5 ribbon cable here..
 Tuck under/in between boards.
- L-Connect hotend Thermister here



K-Connect Duex5 ribbon cable here.. Tuck under/in between boards.

Z-Stepper motor (right side motor)

Z-Stepper motor (Rear left motor)

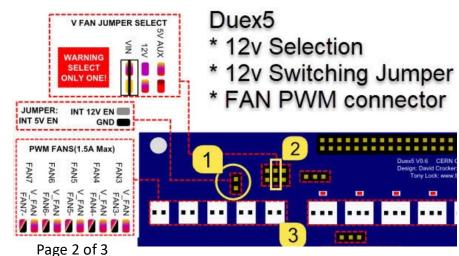
Z-Stepper motor (Front left motor)

Three wire cable from Bltouch (brown on right side)

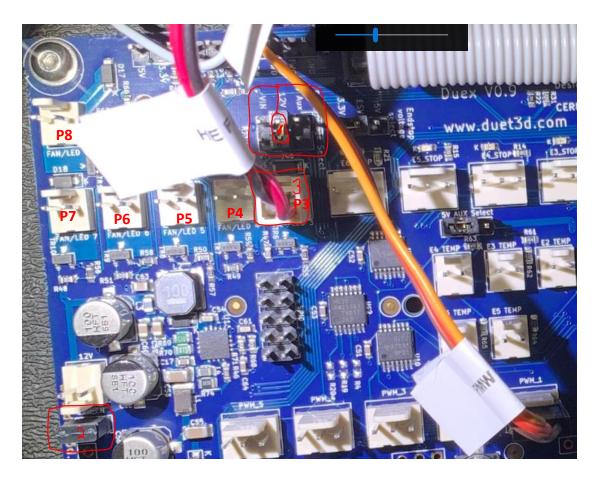
To enable 12v ports for use with 12v FANS, LED's:

12_v-1

Note: on the 0.9 version of Duet5, the 12v switch #1 may be on the left side further down the board. See next page for detailed picture and Gcode command.



12v power steps needed for FANS and LED's



- 1- Set the jumper across 12v middle pins
- 2-Add jumper to 12v enablement pins
- 3-Plug in your FAN/LED and make note of the port number stenciled on the board.

You will need to supply the jumper for #2 in the above version of the board as there is no extra one provided.

Once the 12v pins have been enabled, use this Gcode:

M106 Px Sy Where x is the port number and y is a value 1-255. Some fans may need 255 to be Full ON. Use S0 to turn off. Some Fans and some LED's may tolerate less than full (1-255) Diming of LED's and less FAN power is definitely a 'Your Mileage May Vary'. Example g-code:

```
M106 P3 S255 ; turn port 3 full on.
M106 P3 S0 ; turn port 3 off.
; note: Using values between 0 and 255 may not necessarily work for your 12v item. Some items don't like partial voltage. Most LED's do respond well to partial power.
```