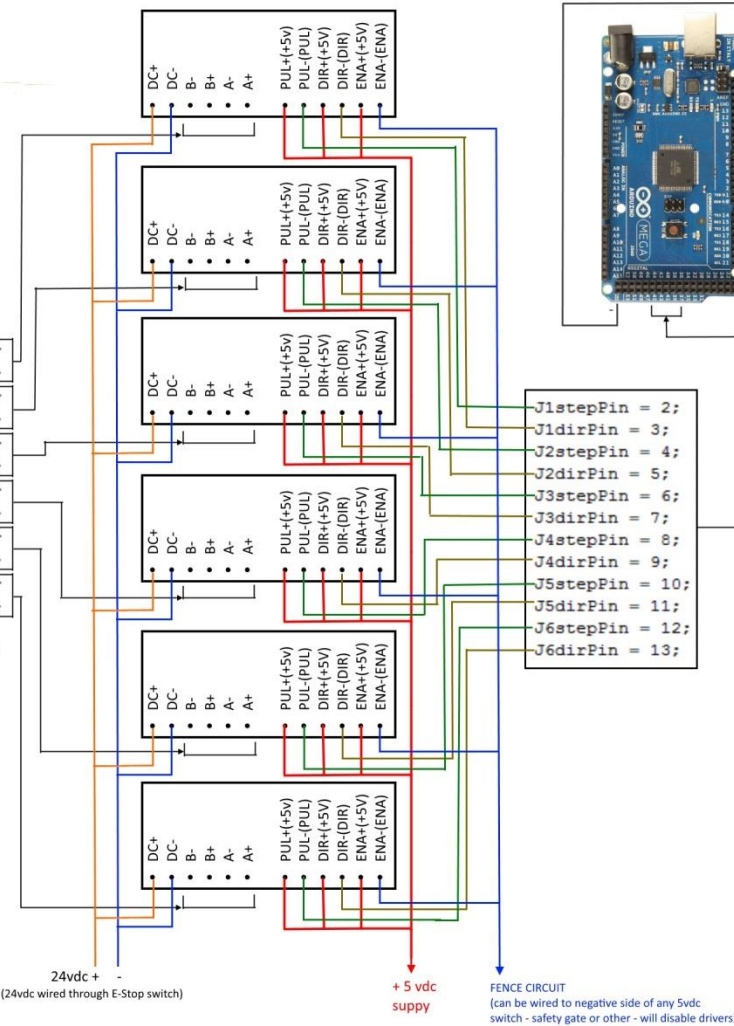
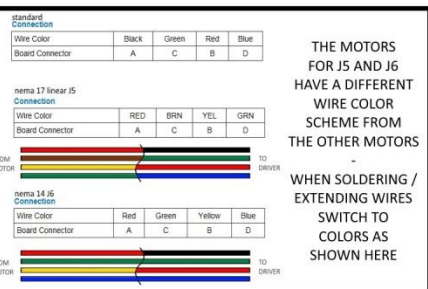
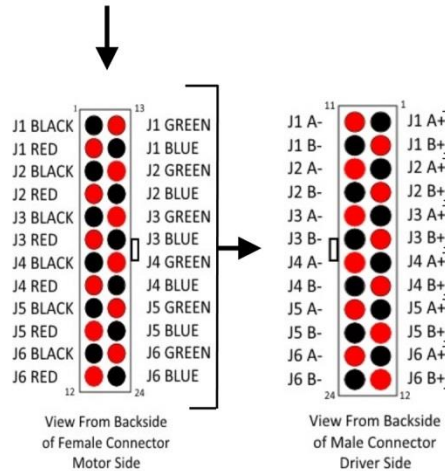


# AR2 - 6 AXIS STEPPER MOTOR ROBOT WIRING SCHEMATIC

CONNECT BLACK, RED, GREEN AND BLUE MOTORS WIRES TO ATX CABLE CONNECTOR AS SHOWN HERE  
(note J5 & J6 motors have a different color scheme - when wires are extended switch to standard black, red, green, blue color scheme - see mechanical assembly instructions and note at the bottom left of this schematic)



```
J1stepPin = 2;
J1dirPin = 3;
J2stepPin = 4;
J2dirPin = 5;
J3stepPin = 6;
J3dirPin = 7;
J4stepPin = 8;
J4dirPin = 9;
J5stepPin = 10;
J5dirPin = 11;
J6stepPin = 12;
J6dirPin = 13;
```

IN1 to arduino pin 38  
IN2 to arduino pin 39  
IN3 to arduino pin 40  
IN4 to arduino pin 41  
IN5 to arduino pin 42  
IN6 to arduino pin 43  
IN7 to arduino pin 44  
IN8 to arduino pin 45

RJ45 white/or stripe to arduino pin 14  
RJ45 or/white stripe to arduino pin 15  
RJ45 white/gr stripe to arduino pin 16  
RJ45 blue/white stripe to arduino pin 17  
RJ45 white/blue stripe to arduino pin 18  
RJ45 green/white stripe to arduino pin 19  
RJ45 brown/wh stripe to arduino +5v  
RJ45 white/brown stripe to arduino GND

