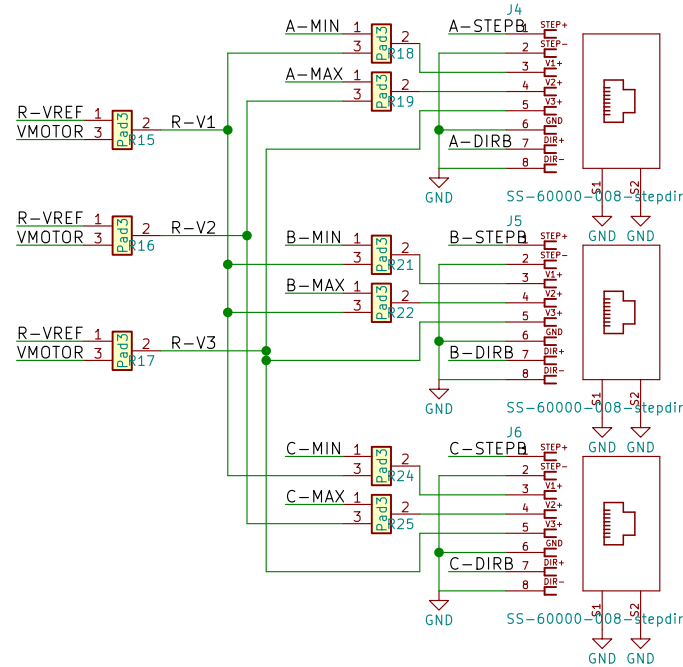
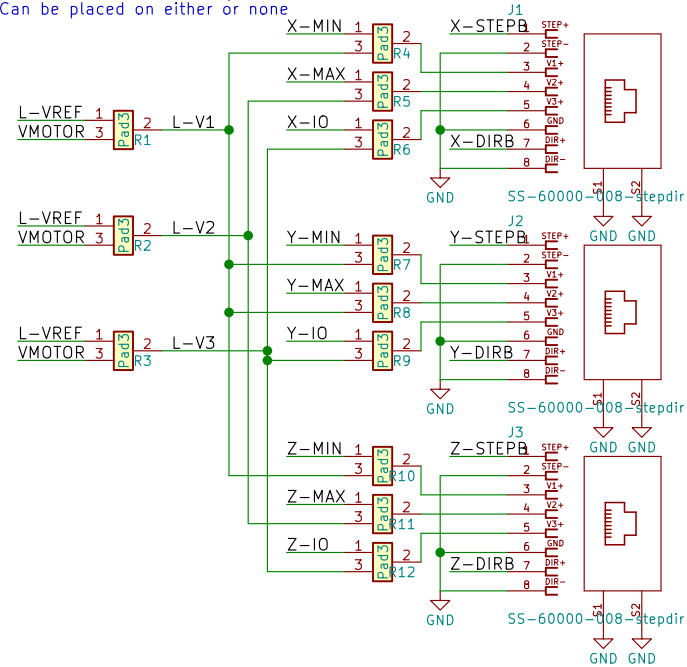


Pad3 => 3 SMD resistor pads  
Can be placed on either or none



Propose allocate like:  
-1 pin STEP  
-1 pin DIR  
-3 pin V+  
-3 pin GND

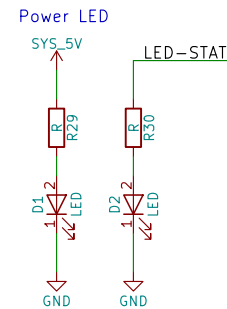
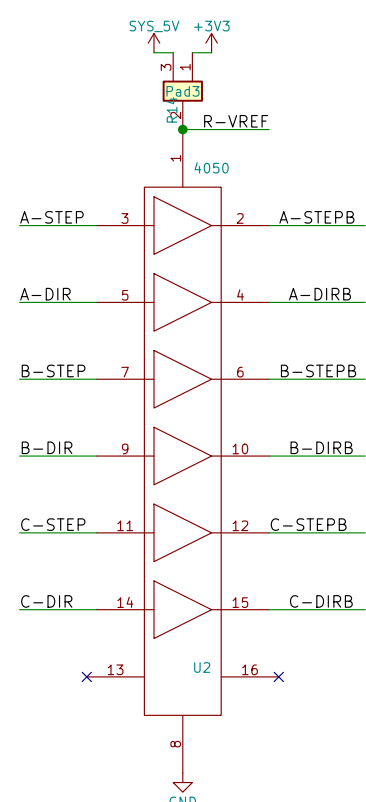
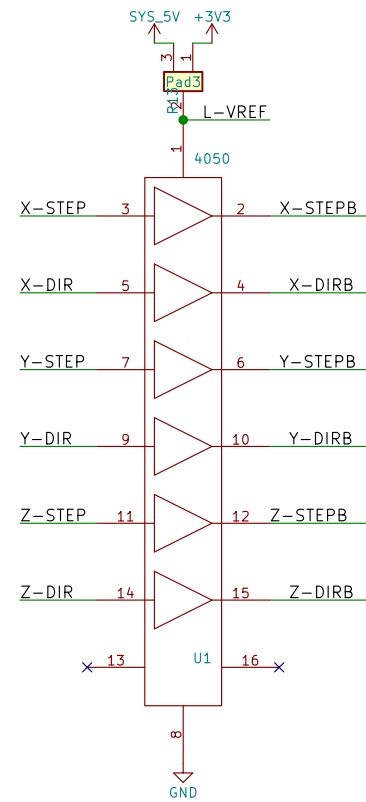
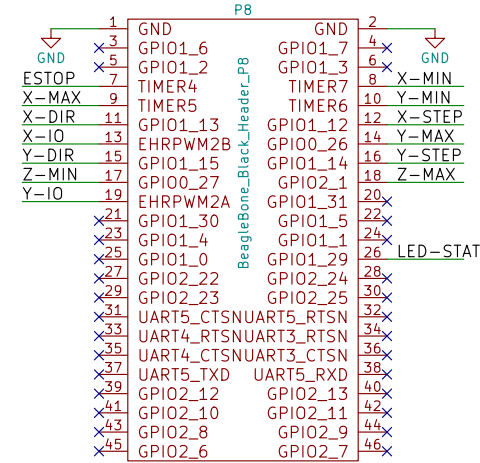
Where each VN+ pin can be either be N/C, 5V, or VMOTOR

Pin choice  
Either 568 A/B cabling  
assign pairs as follows:

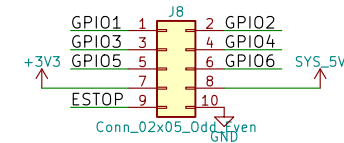
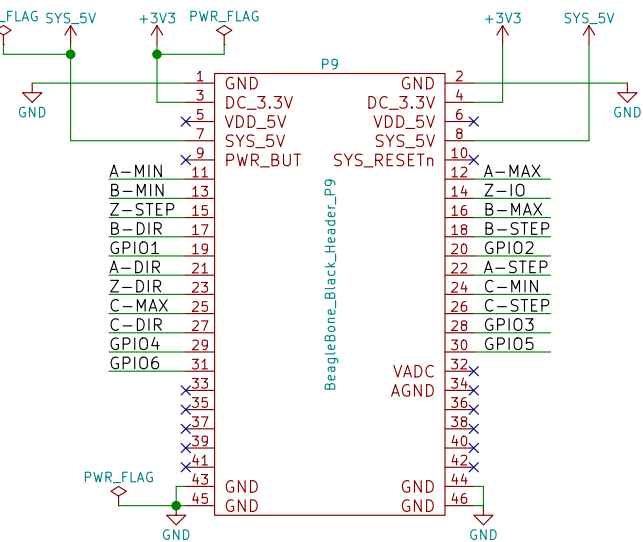
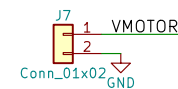
1: P1  
2: P1  
3: P2  
4: P3  
5: P3  
6: P2  
7: P4  
8: P4

Ideally assign step/direction pairs together to reduce noise

P8/P9 to match BBB connector names



External motor power



TODO: consider using multiple sheets