Step and Direction Axis O

DMM Servo Drive
Main Signal IO
JP4

Mesa 7I76e
Step Direction
TB2

11	Pul+	Step0+ 3
23	Pul-	blue	Step0- 2
22	Dir+	Dir0+ 5
10	Dir-	blue	Dir0- 4
JP4 Shell Gnd		Gnd 1
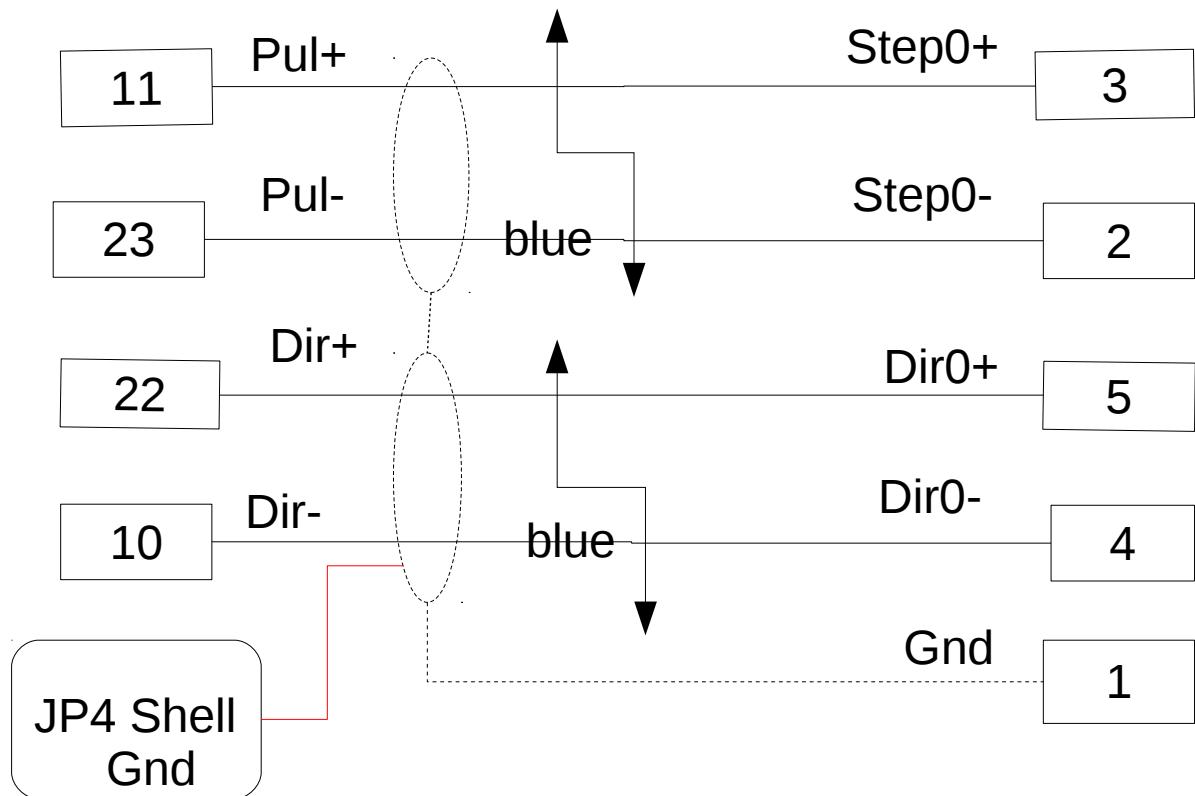
Should i ground to back shell?? (red line)
I am worried about ground loops.

Pulse and Direction cables are sheilded
twisted pair