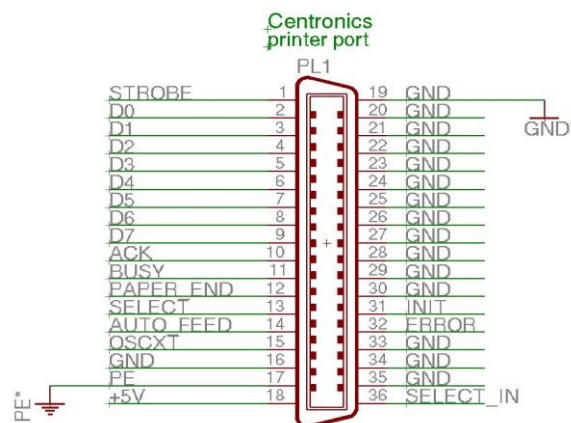
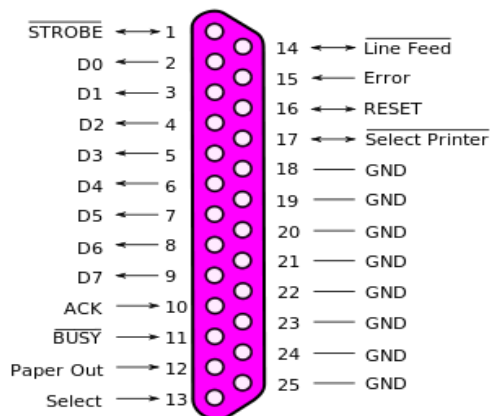


Printer Cable Pin Allocations

D25			D36
PIN #	CONFIG	DESCRIPTION	PIN #
1	ENABLE 1	DRIVE ENABLE	1
2	X STEP		2
3	X DIR		3
4	Y STEP		4
5	Y DIR		5
6	Z STEP		6
7	Z DIR		7
8	A STEP		8
9	A DIR		9
10	HOME X Y Z	HOME SWITCHES	10
11	SPARE INPUT	N/C	11
12	SPARE INPUT	N/C	12
13	INPUT 4	AUTO ZERO/LASER ZERO	13
14	SPARE OUTPUT	N/C	14
15	ESTOP		32
16	OUTPUT 1	TRIGGER SPINDLE/LASER	31
17	OUTPUT 6	RED DOT LASER TRIGGER	36
18	+5VDC		33
19	+5VDC	THESE ARE	19
20	0 VDC	CONNECTED	21
21	0VDC	TOGETHER TO	23
22	0VDC	INCREASE CURRENT	25
23	+12VDC	RATINGS	27
24	+12VDC		29
25	+12VDC		30

PIN #	
15	N/C
16	N/C
17	N/C
18	N/C
20	N/C
22	N/C
24	N/C
26	N/C
28	N/C
34	N/C
35	N/C



The cable I am using does NOT have the internal GROUND connections in it, so ALL pins are available to use. I have found that some printer cables have pins 18-25 (D25) internally connected to shield

I have matched the D25 pin numbers to My Mach3 pin allocations for consistency and sanity.

Pins 18 to 25 (D25) are for the power supply to the Laser attachment, I have grouped the pins to improve the current carrying capacity, mainly for the Laser power, 2.4A max 12vdc supply 18 Watts. Laser is a 445nm Nom 3W Diode. 4.5vdc running from a Simpledive I r.7 controller. Other requirements are low.