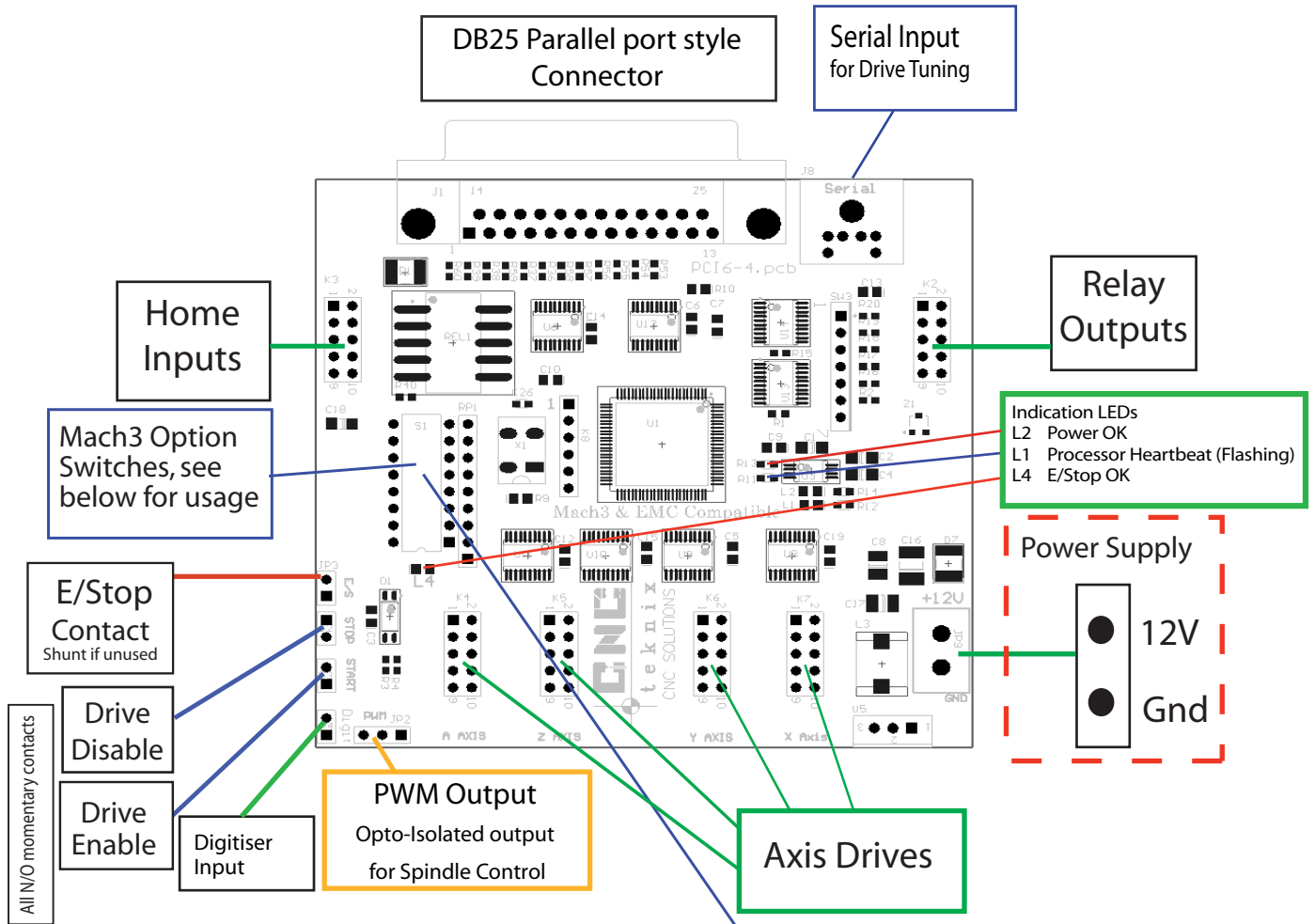


CNC Teknix Parallel Interface PCB 6-4



DB25 Connector Pins

1	Relay 1
2	X Step
3	X Dir
4	Y Step
5	Y Dir
6	Z Step
7	Z Dir
8	A Step
9	A Dir
10	E/Stop
11	X Home
12	Y Home
13	Z Home
14	Relay 2
15	A Home
16	Relay 3
17	Relay 4
18-25	Ground

Mach3 option Selection Switches

1 Charge Pump Active	Switches function of pin 17 between Relay 4 (Off) and Charge Pump
2 PWM Enable	Switches function of pin 16 between Relay 3 (Off) and PWM Output
3 Digitiser Switch	Switches function of pin 15 between A Home (Off) & Digitiser Input
4 Z Axis not used	Turn on if Z axis not connected to drive
5 A Axis not used	Turn on if A axis not connected to drive
7,8 Serial Drive Select	Connects serial input (PS2) to serial port of X, Y, Z or A Drives for Tuning:

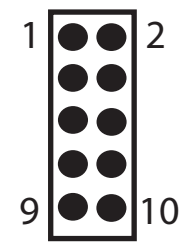
	Switch 7	Switch 8
X Axis	Off	Off
Y Axis	Off	On
Z Axis	On	Off
A Axis	On	On

Home input and Relay output connector pinout

Home input connections:

1	12V
2	5V
3	E/stop in
4	E/stop out
5	X axis
6	Y axis
7	Z axis
8	A axis
9	Gnd
10	Gnd

If this E/Stop connection is not used a shunt must be fitted:



Relay output connections:

1	12V
2	5V
3	Relay 1
4	Relay 2
5	Relay 3
6	Relay 4
7	Relay Enable
8	N/C
9	Gnd
10	Gnd

All 5V TTL outputs