

Electronics/Power Layout

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Manifold Switch

Requirements:
24V DC
1A Max
USB

Peristaltic Pump

Requirements:
24V DC
1.25A Max + Over-current prot.
USB

2-Switch + Drivers

Requirements:
5V + 20mA per driver
24V DC + 48mA per driver

XY Stage + Limit Switches + Arduino

Requirements:
12V + 0.33A/Motor + 30mA idle
Switches on 5V + 20mA each

Power Handling Board 24Vin

1.25A 24V Over-current prot.
24V - direct
5V - Traco 1A max
12V - Traco box 1A max

USB Hub

Requirements:
5V + Current dependent on whether anything is powered from it. In our case the usb hub does not power anything and is Powered from the PC

