# Electronics/Power Layout

Thursday, April 11, 2019 10:47 AM

#### **Manifold Switch**

Requirements: 24V DC 1A Max USB

## **Peristaltic Pump**

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

### 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

