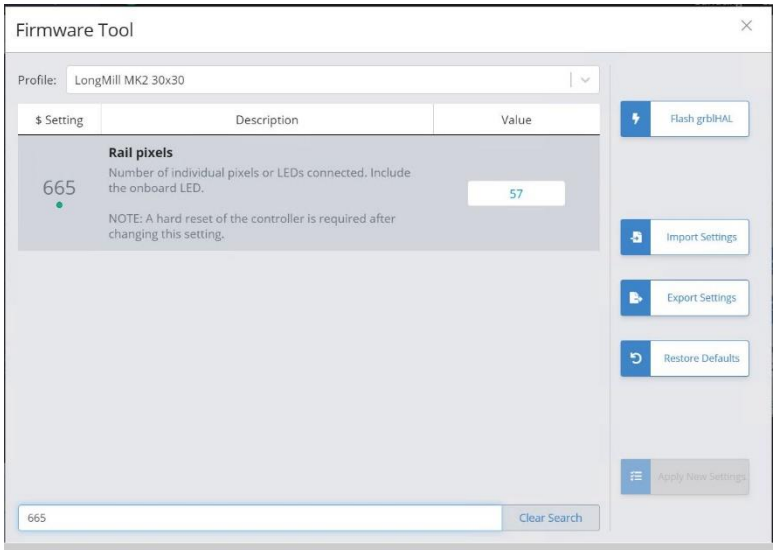
Products used:

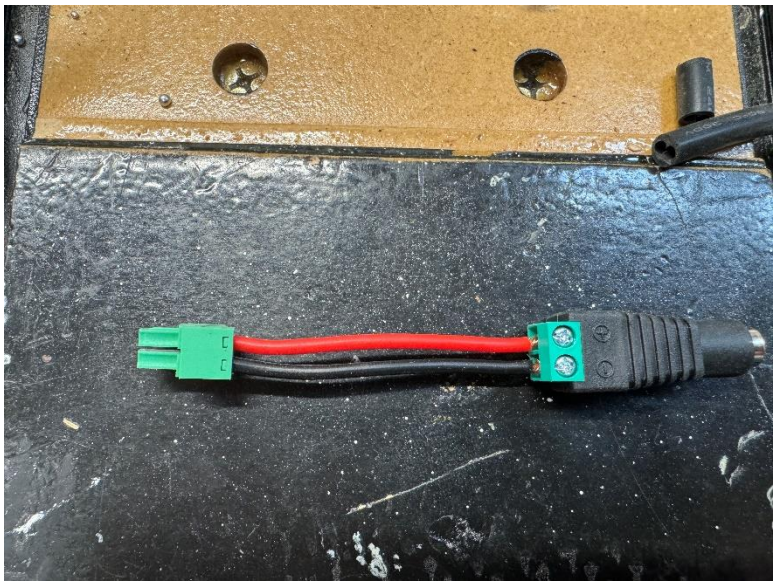
| | |
|---|---|
| 5V 3A Power Supply Adapter, | https://a.co/d/fmhnMH2 |
| ALITOVE 3.2ft 60 Pixels WS2812B Individual Addressable RGB LED Strip Light | https://a.co/d/euN1qXw |
| 100ft(30.5m) 22 AWG 4Pin RGB Wire Extension Cable with Spool | https://a.co/d/eM8GTAY |
| Taiss 560PCS 2.54mm JST-XH Connector Kit | https://a.co/d/01rHwsm |
| 600 Pcs 2.5mm Pitch 2 3 4 5 Pin JST SM Connector Male&Female Plug | https://a.co/d/2rd1SnR |

*The power Supply and LED strip light were purchased simply because I could get them overnight. I make no recommendations on quality or reliability.

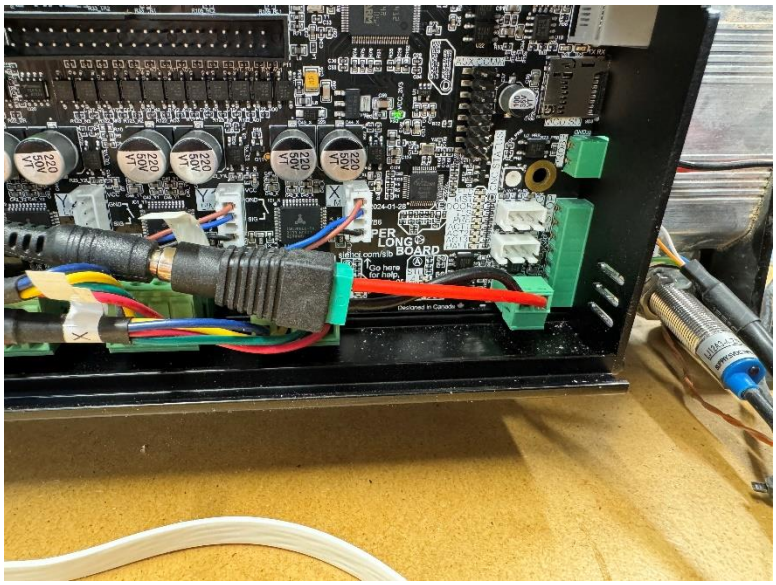

1. The power adapter includes multiple tips. We are using the DC jack (green) on the right



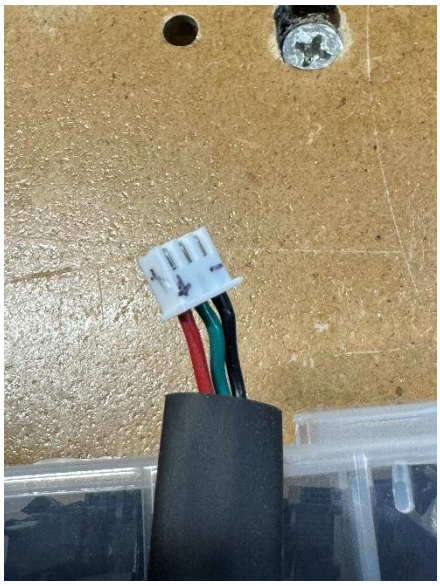

2. Update firmware $665. Set the value to the number of LEDs in your strip plus the onboard status light. (My LED strip was cut to fit and has 56 LEDs). Power off SLB tom make connections.



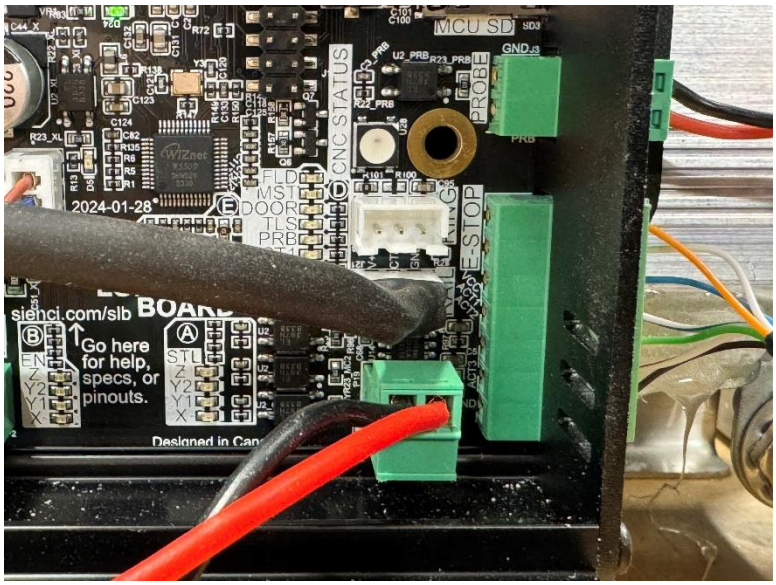
3. Starting with the Power supply, I used the barrel jack to DC terminal to connect to the SLB port labeled “LED PWR”



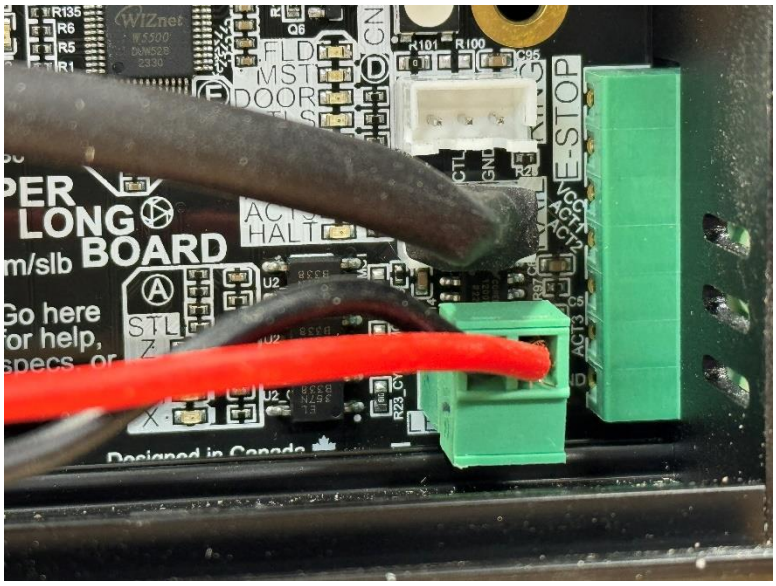
4. Connecting the LED PWR to the power supply



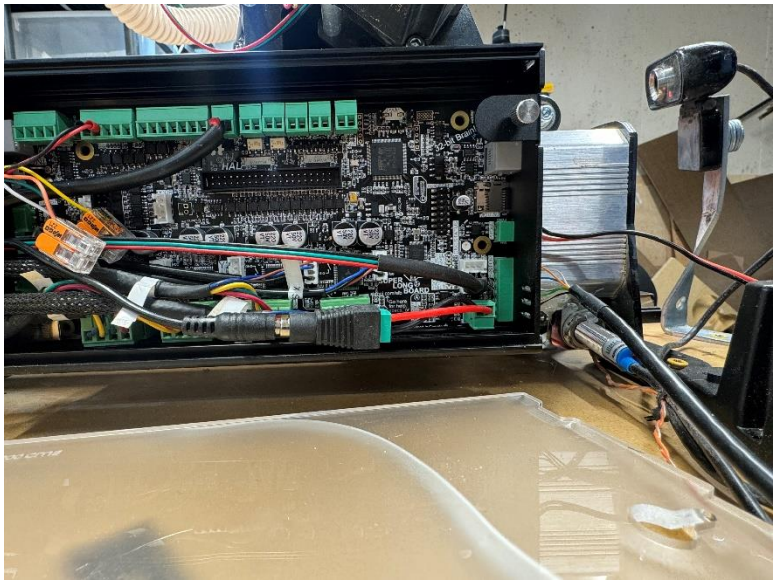
5. Install JST-XH 2.5 3 terminal male connector to LED extension cable. Note wire configuration on board.



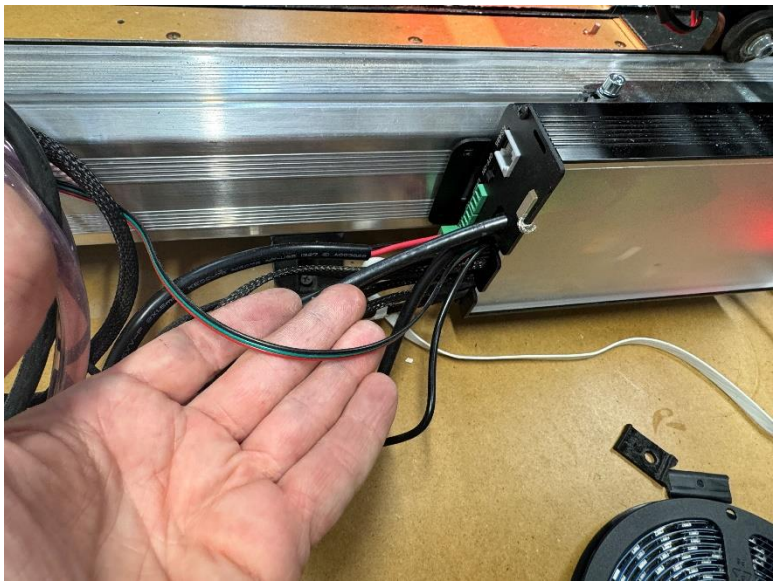

6. Connect both Power and data to SLB



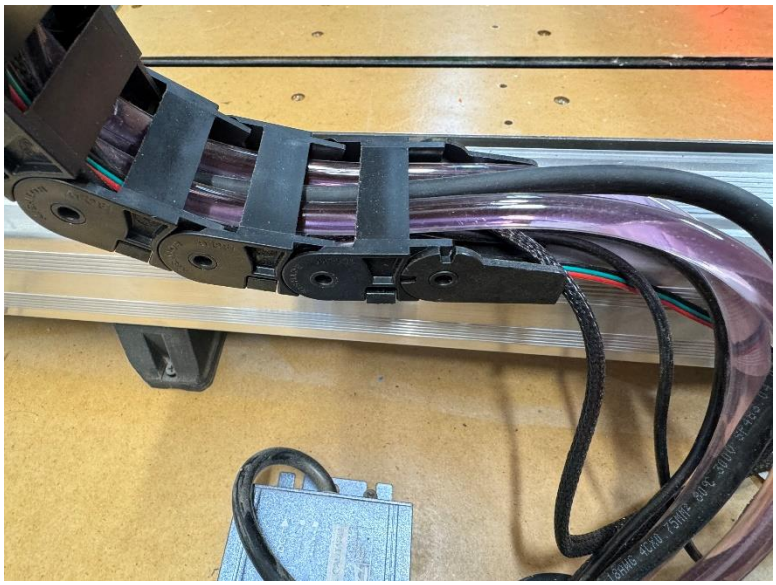

7. Note connection layout marked between ring and rail connection. Also note polarity at the bottom left and right of the LED PWR port



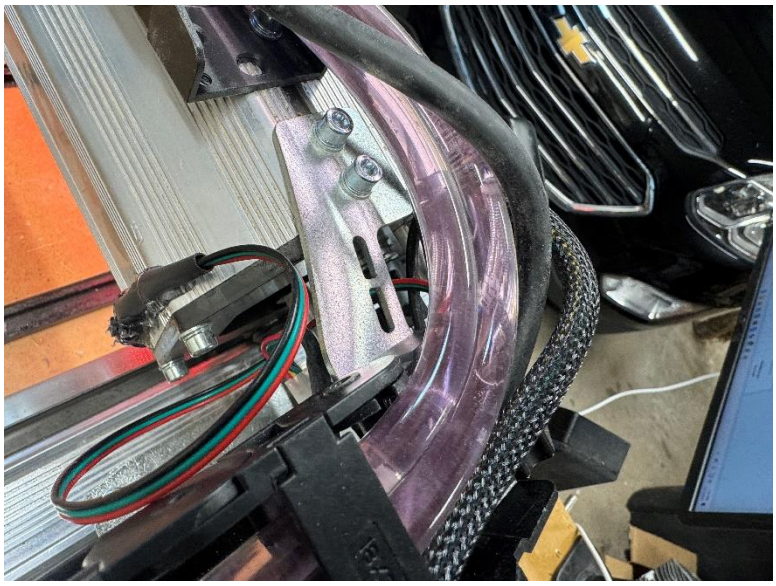
8. SLB wired and ready to close



9. Route the LED extension cable out the back of the SLB



10. Run the LED extension cable into the drag chain



11. Extension cable out of the drag chain with a loop of slack so there is no tension on cable

12. Secure cable to the back of the X gantry (Ugly hot glue job)

13. Power on the SLB and make sure all lights up

14. Power strip attached to bottom of X gantry. Strip had self-adhesive strip but I added hot glue in spots