# Software

* Wiring diagram needs to be done for the Oct 13 th
* Pip3 will be used to allow easy implementation of the requirements that will be included in the software. <https://realpython.com/what-is-pip/>
* <https://easyeda.com/> can be used for the creation of the wiring diagrams might look to find another piece of software <https://www.youtube.com/watch?v=35YuILUlfGs&ab_channel=GreatScott%21>

Useful Links

* Link from guy who built the earlier version https://blog.prusaprinters.org/calculator\_3416/
* https://community.victronenergy.com/articles/10516/howto-use-a-hdmi-screen-with-usb-touch-panel-and-u.html
* <https://www.youtube.com/watch?v=LUbhPKBL_IU&ab_channel=rdagger68>
* <https://www.raspberrypi.org/documentation/usage/gpio/>

The analog connector is a 9 pin Analog out D-sub connector (VGA/RS-232 output connector) (Each scaled voltage is output at a full PRF rate (up to 6 kHz)) From page 142 to 146 pg 34 pg 493 table38 <https://www.digikey.ca/en/products/detail/tripp-lite/U209-005-COM/9962686?utm_adgroup=Smart%20Cables&utm_source=google&utm_medium=cpc&utm_campaign=Shopping_Product_Cable%20Assemblies_NEW&utm_term=&productid=9962686&gclid=EAIaIQobChMI6tCUlqSg7AIVvCCtBh3wrQD5EAQYBCABEgK3NfD_BwE>