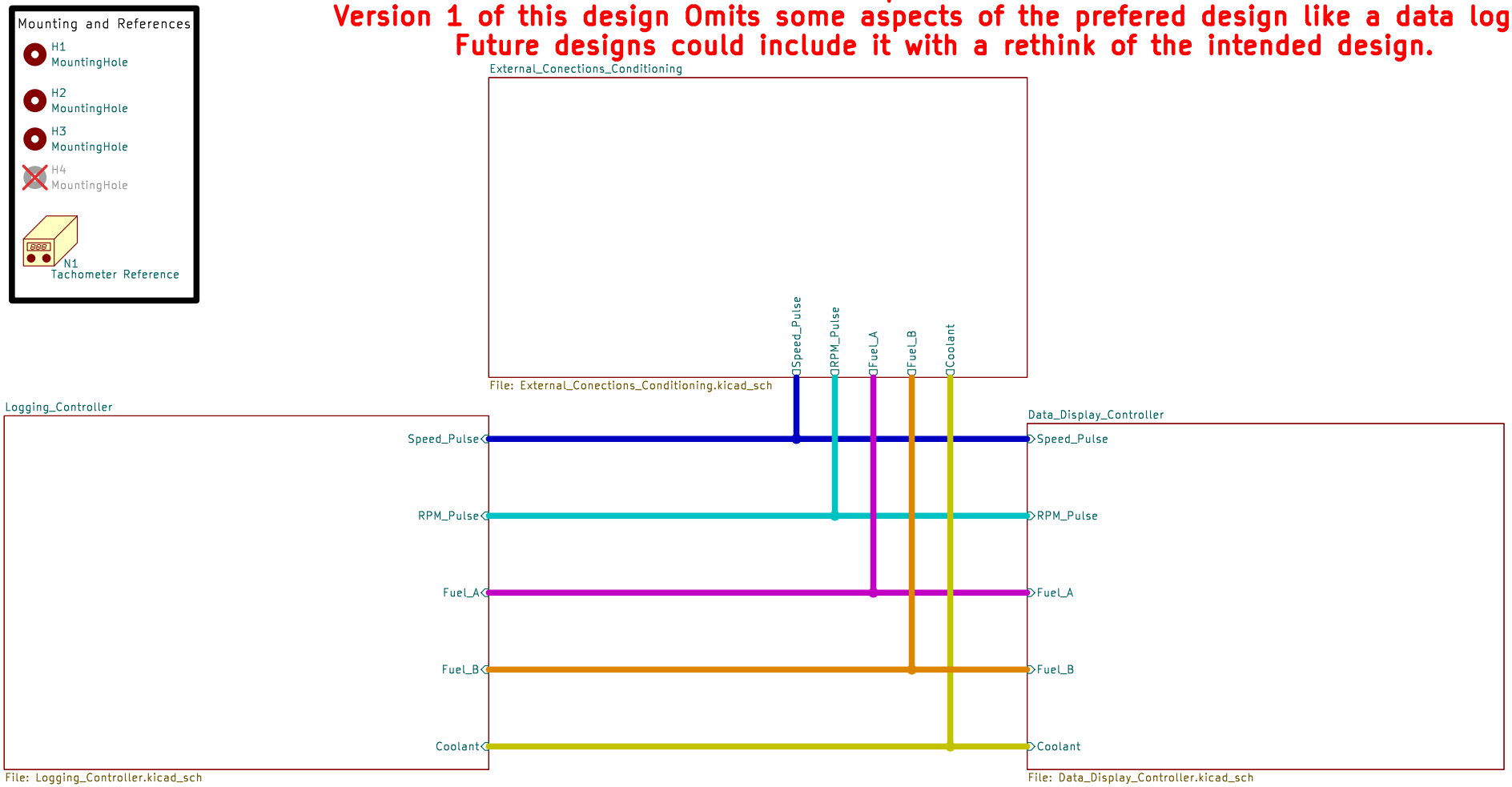
Due to Space Constraints.
Version 1 of this design Omits some aspects of the prefered design like a data logger
Future designs could include it with a rethink of the intended design.



Ethan Sousa Projects

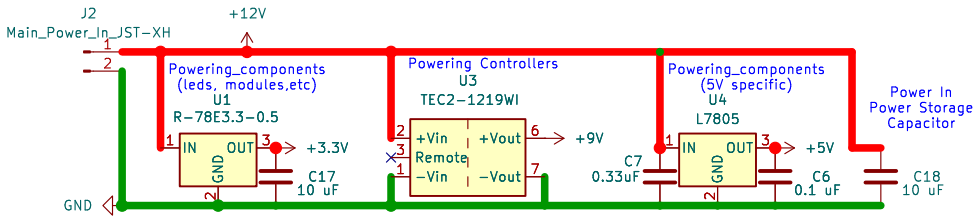
Sheet: /
File: Full_Circuit.kicad_sch

Title: Full CBR125RW6 Dash Project Schematic

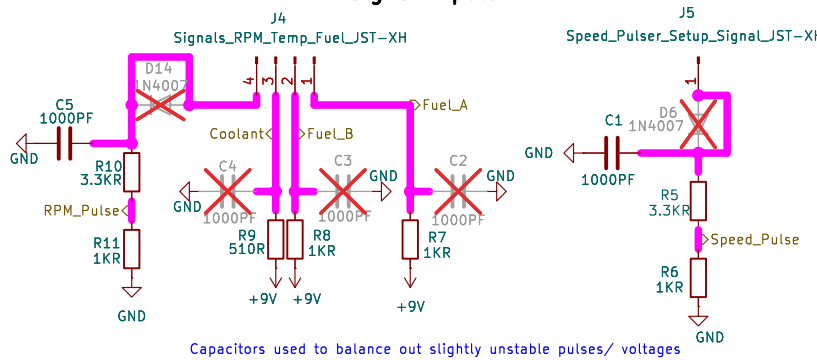
Size: A4	Date:	**Rev: 1**
KiCad E.D.A. 9.0.2		Id: 1/4

Sheet describes how bike input signals and power is conditioned to then be sent off to the micro controllers or LEDS for status indicaton
Microcontroller only conections like displays are not included here.

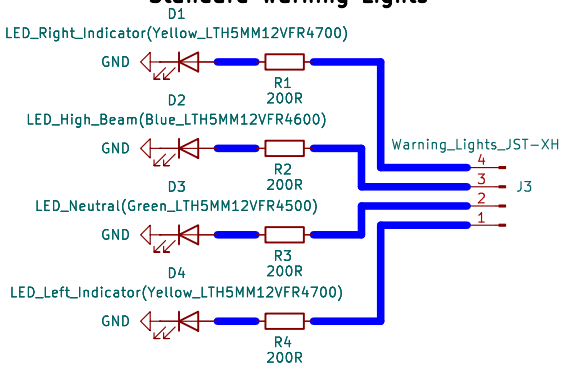
Main Power conditioning



Signal Inputs



Standard Warning Lights



Ethan Sousa Projects

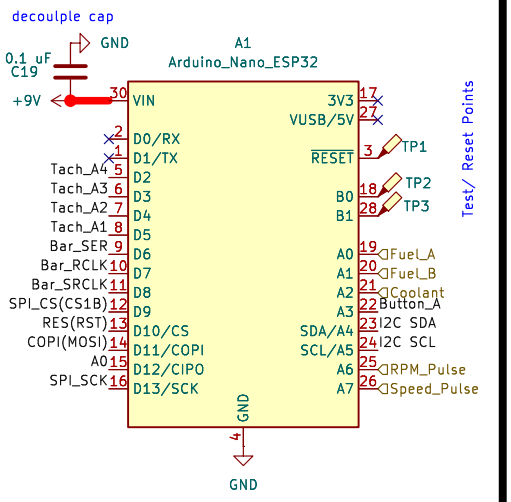
Sheet: /External_Conections_Conditioning/
File: External_Conections_Conditioning.kicad_sch

Title: Full CBR125RW6 Dash Project Schematic

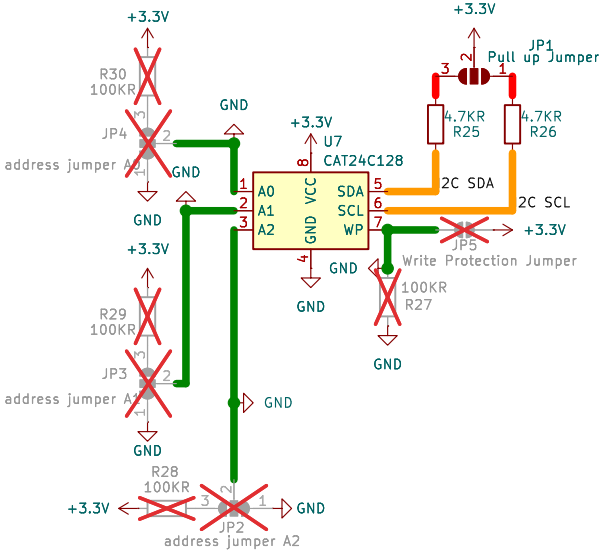
Size: A4	Date:	**Rev: 1**
KiCad E.D.A. 9.0.2		Id: 2/4

Sheet describes how the data display controller is connected to signal, power and external devices like Screens, steppers, etc.
Data display controller deals with signals and outputs that are communicated to the user that need processing (RPM,Speed,temp,fuel,odometer,trip).

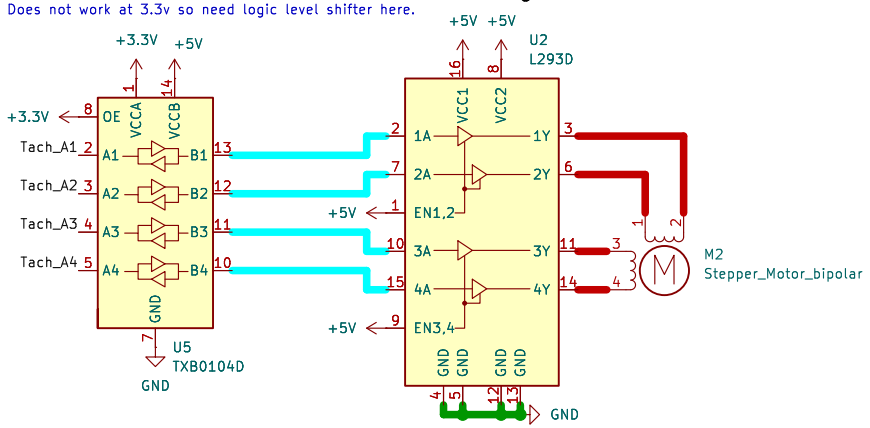
Controller



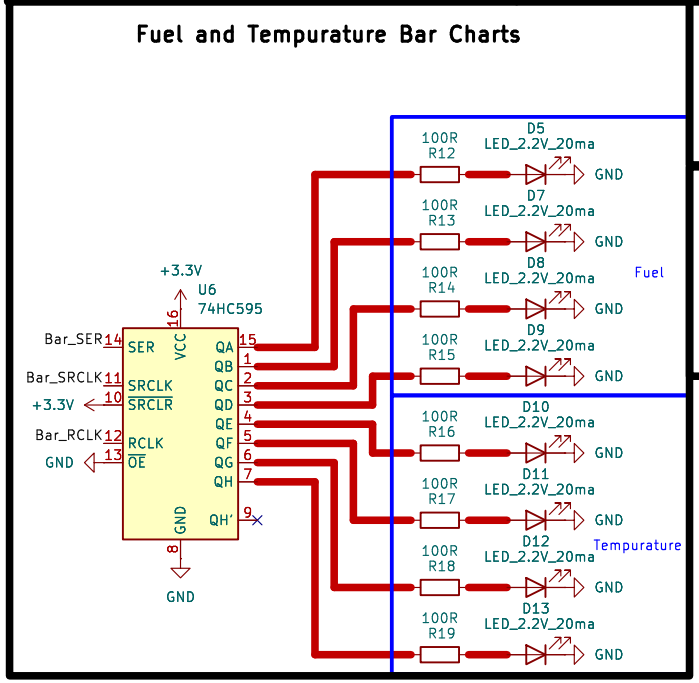
Saving EEPROM



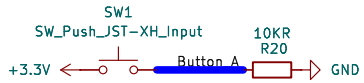
RPM Gauge



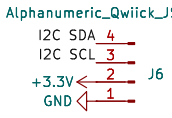
Fuel and Tempurature Bar Charts



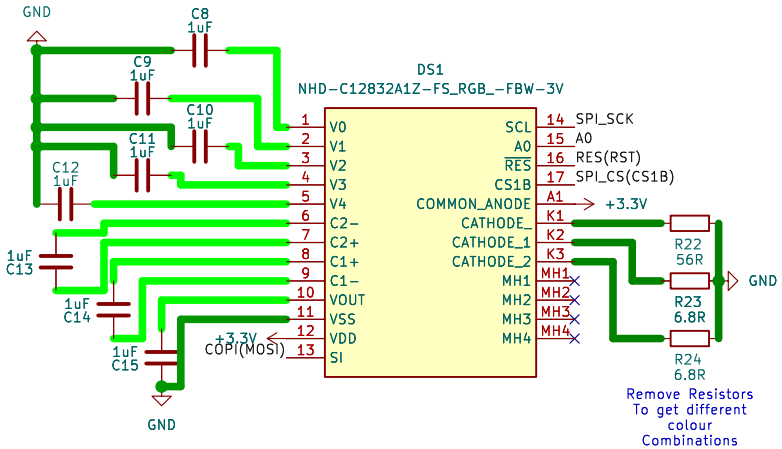
Settings Buttons



Speed Alphanumeric



SPI device/ Screen



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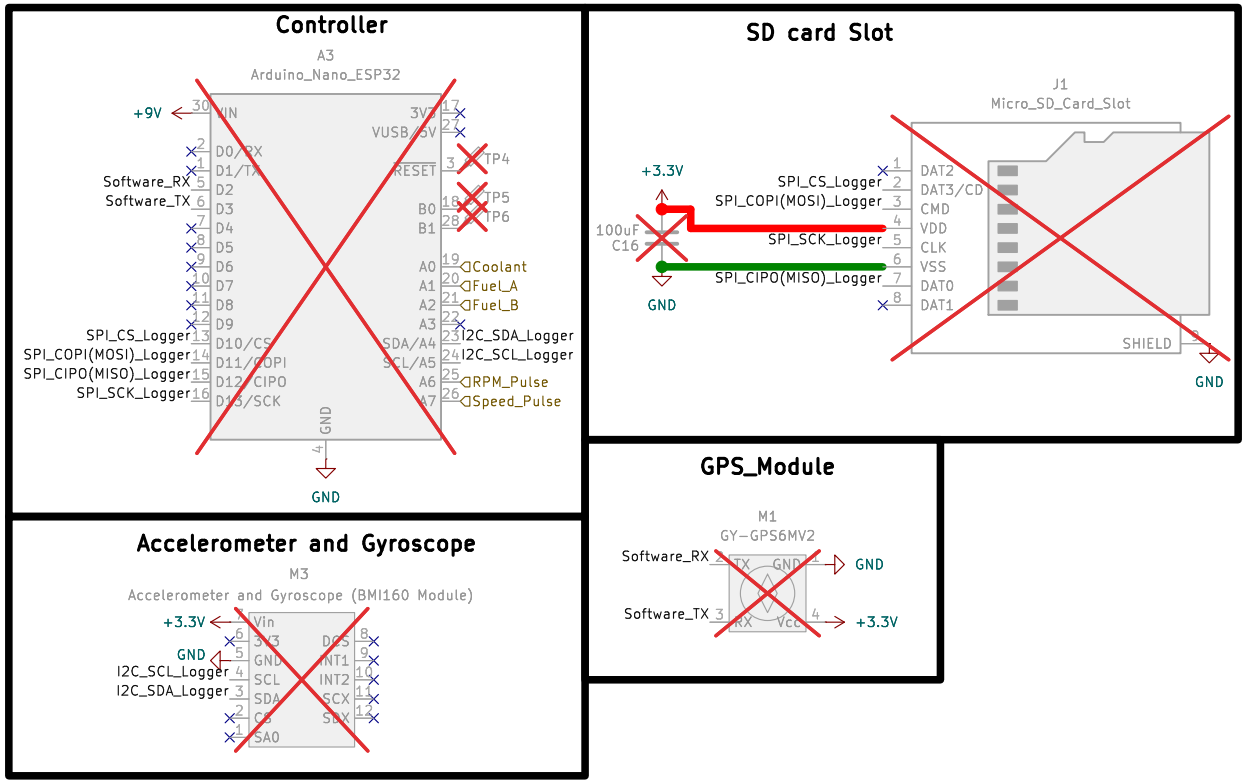
Sheet: /Data_Display_Controller/
File: Data_Display_Controller.kicad_sch

Title: Full CBR125RW6 Dash Project Schematic

Size: A4	Date:	Rev: 1
KiCad E.D.A. 9.0.2		Id: 3/4

Sheet describes how the logging controller is connected to signal, power and external devices like GPS, accelerometers, SD card etc.
Logging controller deals with signals and outputs that are logged for ride tracking(RPM,Speed,GPS location, accelerometer and Gyro data).



Ethan Sousa Projects

Sheet: /Logging_Controller/
File: Logging_Controller.kicad_sch

Title: Full CBR125RW6 Dash Project Schematic

Size: A4	Date:	**Rev: 1**
KiCad E.D.A. 9.0.2		Id: 4/4