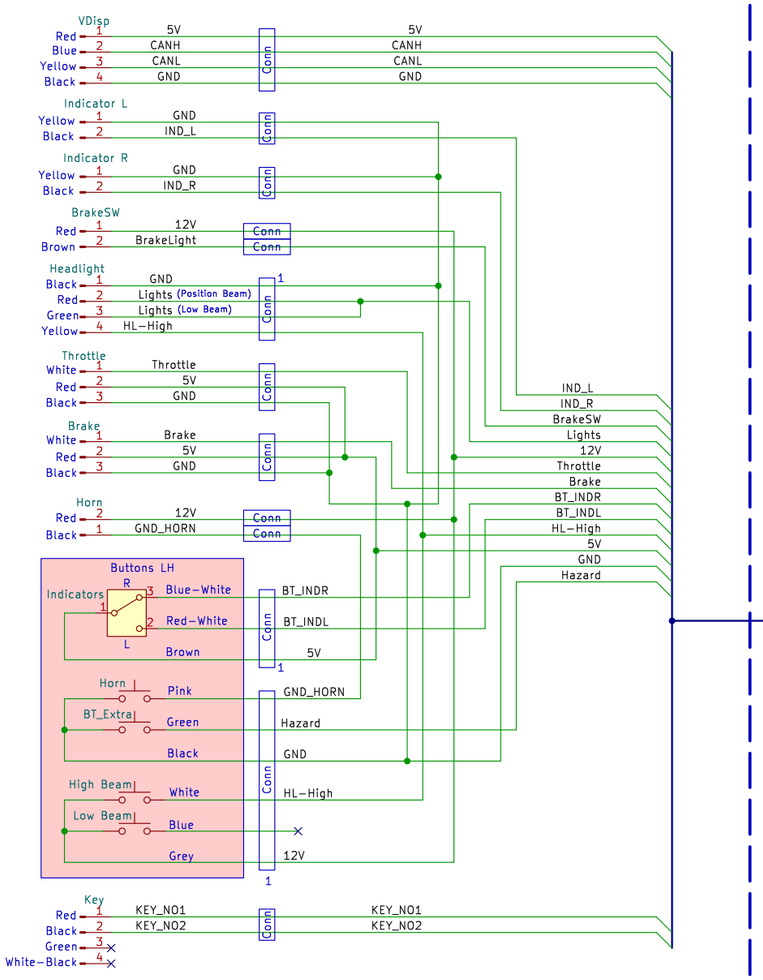
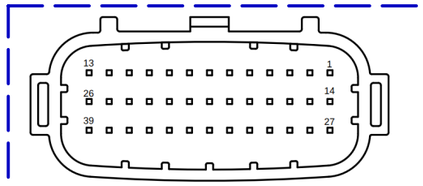
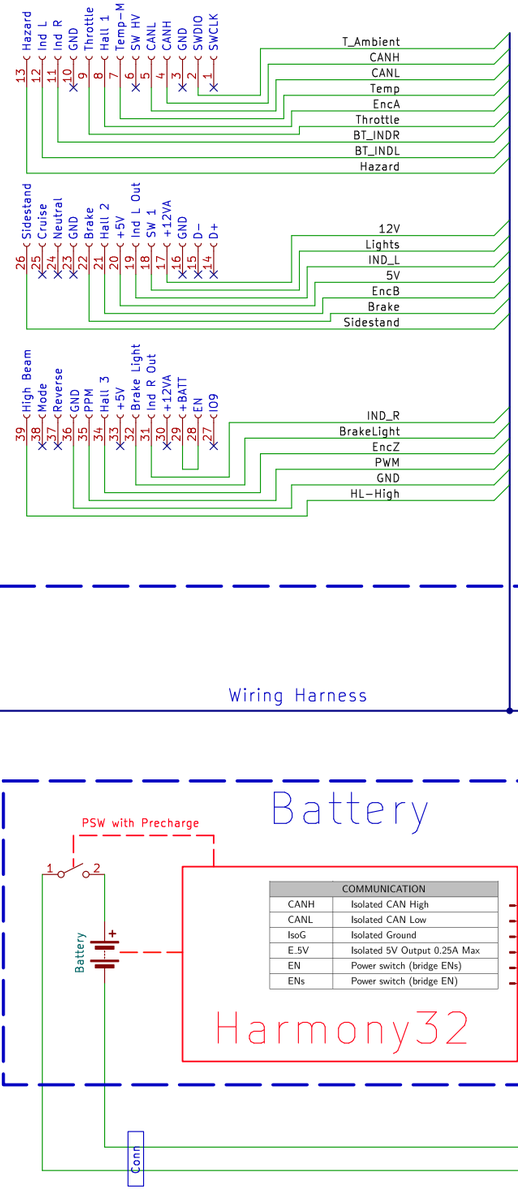
Handlebar / Front



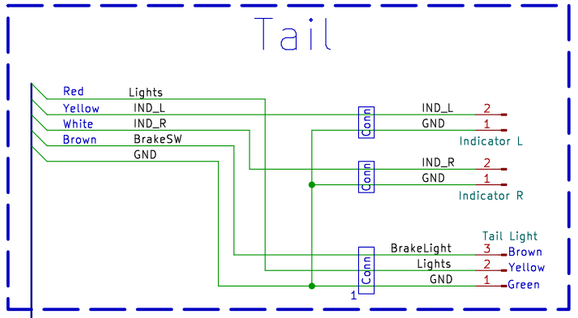
Maxim 39–Pin





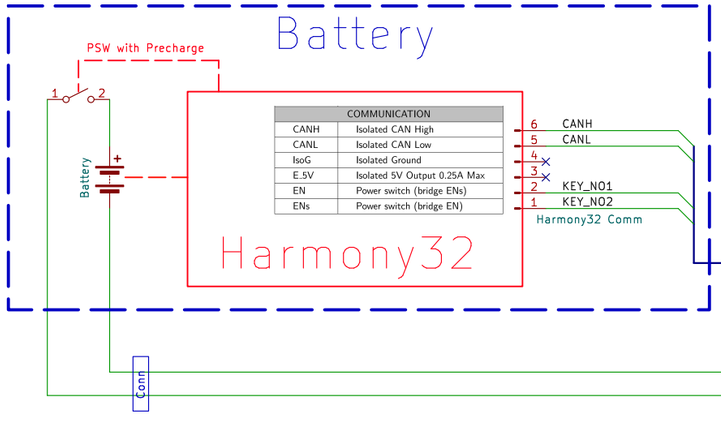
13 Hazard Input IOEXP P10 3.3V Max 12V Pull 2	12 Indicator L Input IOEXP P02 3.3V Max 12V Pull 1	11 Indicator R Input IOEXP P03 3.3V Max 12V Pull 1	10 GND	9 Throttle STM ADC1 0 - 5V	8 HALL 1 RX ADC3 0 - 5V STM 470R Series	7 Temp Motor STM 0 - 3.3V	6 SW HV STM AUX2 LowSide BAT	5 CANL	4 CANH	3 GND	2 SWDIO STM	1 SWCLK STM
26 Sidestand Input IOEXP P07 3.3V Max 12V Pull 2	25 Cruise Input IOEXP P12 3.3V Max 12V Pull 2	24 Neutral Input IOEXP P13 3.3V Max 12V Pull 1	23 GND	22 Brake STM ADC2 0 - 5V	21 HALL 2 TX ADC4 0 - 5V STM 470R Series	20 +5V	19 Indicator L SW 2 Out: ESP IO1 In: IOEXP P01 12V 2A	18 SW 1 Out: ESP IO0 In: IOEXP P00 12V 2A	17 +12VA STM AUX1 4A	16 GND	15 D- ESP	14 D+ ESP
39 High Beam Input IOEXP P04 3.3V Max 12V Pull 1	38 Mode Input IOEXP P15 3.3V Max 12V Pull 2	37 Reverse Input IOEXP P16 3.3V Max 12V Pull 2	36 GND	35 PPM/Servo STM 3.3V 220R Series	34 HALL 3 STM 5V 470R Series	33 +5V	32 Brake Light SW 4 Input/Output Out: ESP IO3 In: IOEXP P08 12V 2A	31 Indicator R SW 3 Out: ESP IO2 In: IOEXP P05 12V 2A	30 +12VA STM AUX1 4A	29 +BATT 4A	28 EN PWR SW	27 IO9 ESP

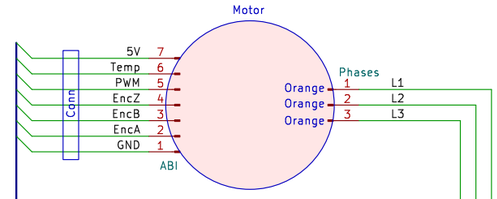
Tail



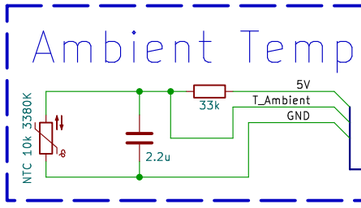
Wiring Harness

Battery





Ambient Temp



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KiCad E.D.A. 9.0.3		Id: 1/1