

 ${\small \begin{array}{ll} {\small PWR_FLAG} & {\small HLE-108-02-L-DV-BE-K-TR} \end{array}}$ TestPoint 2 Pln 1 B1-1
GND GND1 3 Pln 2 B1-2
GND GND1 3 Pln 3 B1-3
BRAKE_LIGHT_12V 5 Pln 5 B1-5
RADIATOR_FAN_ON_SIGNAL 6 Pln 6 B1-6
MC_12V 7 Pln 7 B1-7
RADIATOR_FAN_ON_SIGNAL 10 Pln 9 B1-9
MOTOR_CONTROLLER_ON_SIGNAL 10 Pln 10 B1-10
RADIATOR_WATER_PUMP_24V 9 Pln 9 B1-9
MOTOR_CONTROLLER_ON_SIGNAL 10 Pln 10 B1-10
RADIATOR_WATER_PUMP_24V 11 Pln 11 B1-11
PUMP_ON_SIGNAL 12 Pln 12 B1-12
GLV_MASTER_SWITCH_OUT 13 Pln 13 B1-13
14 Pln 14 B1-14
15 Pln 15 B1-15
Pln 15 B1-15
Pln 16 B1-16 HLE-108-02-L-DV-BE-K-TR

SPARE_2_24_1

MASTER_ACC_24_2

SPARE_1_24_3

SAFETY_24_4

HV_BOX_24_5

PRESSURE/TEMP_SENSOR_1_PRESSURE

PRESSURE/TEMP_SENSOR_1.5_8

BSPD_24_9

PRESSURE/TEMP_SENSOR_1.5_8

BSPD_24_9

PRESSURE/TEMP_SENSOR_1.5_8

BSPD_24_9

PRESSURE/TEMP_SENSOR_1.5_8

BSPD_24_9

PRESSURE/TEMP_SENSOR_1.5_8

BSPD_24_9

PRESSURE/TEMP_SENSOR_2.5_12

DATALOGGER_24_11

PRESSURE/TEMP_SENSOR_2.5_12

DATALOGGER_24_11

PRESSURE/TEMP_SENSOR_2.5_12

DATALOGGER_24_13

PRESSURE/TEMP_SENSOR_2.5_12

DATALOGGER_25_12

DATALOGER_25_12

DATALOGER_25\ HLE-108-02-L-DV-BE-K-TR SAFETY_24VD-| PRESSURE/TEMP_SENSURE_TEMP_10_B_EN_CTEMP_10_BEN_CTEMP_1 SAFTEY IND DASH_PDOC_LEDD DASH_BSPD_LEDD-DASH_IMD_LEDD DASH AMS LEDD SHOULDER_RESETD-DRIVER_RESET_IND-DISCHARGE ENABLE SIGNALD HLE-108-02-L-DV-BE-K-TR

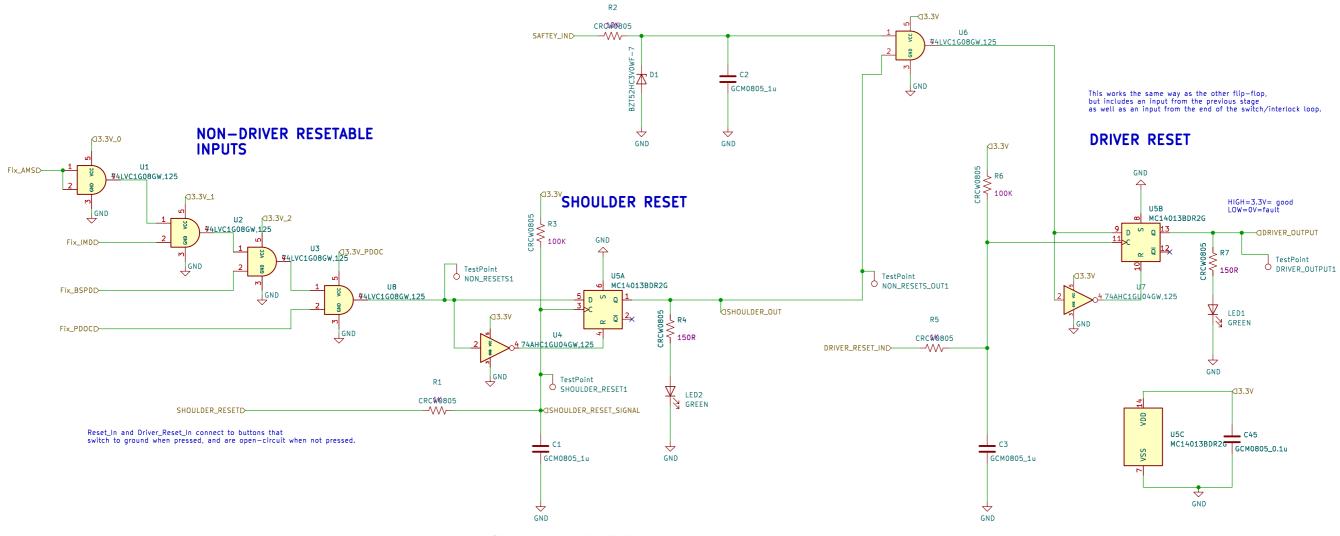
DRIVER_OUTPUTD_1 Pn_1
SHOULDER_OUTD_2 Pin_2
HV_PDOC_LEDD_3 Pin_3
MA_PDOC_LEDD_4 Pin_4
SA_PDOC_LEDD_5 Pin_5
PDOC_LEDD_6 Pin_6
BSPD_LEDD_7 Pin_7
HV_IMD_LEDD_8 Pin_8
AMS_LEDD_9 Pin_9
FEATHER_OUTD_10 Pin_10
MC_OK_INDICATORD_11 Pin_11 J5
ECU_OKD_12 Pin_12 43045-2215
CRASH_SENSOR_MONITORD_13 Pin_13
LEFT_ESTOP_OUTD_14 Pin_114
DASH_ESTOP_OUTD_15 Pin_15
BOTS_OUTD_16 Pin_16
MASTER_ACC_HV_INT_OUTD_18 Pin_17
SLAVE_ACC_HV_INT_OUTD_18 Pin_19
AIR_POWERD_20 Pin_20
GND

Sheet: /connector/
File: connector.kicad_sch

Title:

Size: A3 Date: Rev:
KiCad E.D.A. 8.0.1 Id: 2/7

DRIVER RESETABLE INPUTS



This is setup a bit weird for a flip-flop.
On power-on, Q is low, rest of system is off If any Fix_Input_X is low, then Q is forced low as well due to R (Reset) being held high. Nothing can change this.

When ALL Fix_Input_X's are high, D becomes high, and R becomes low.
This allows the flip—flop to change the state of Q to that of D (high).
This state change will occur when the Reset_In line is pulsed low (button pushed), causing a single clock cycle to happen.

Subsequent button pushes will do nothing, as D and Q will already be the same state.

UNUSED LOGIC

 Sheet: /logic/

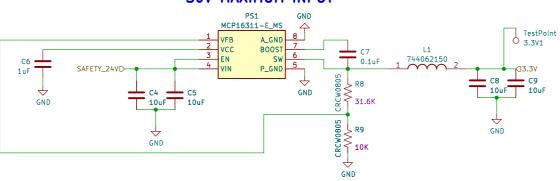
 File: logic.kicad_sch

 Title:

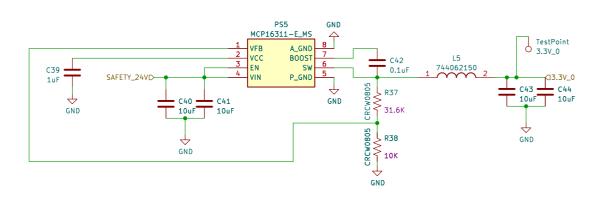
 Size: A3
 Date:
 Rev:

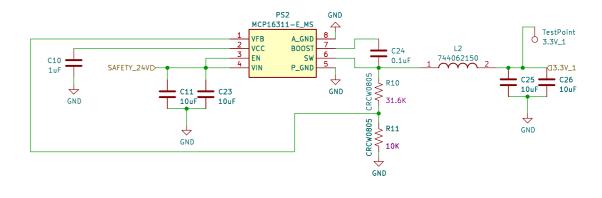
 KiCad E.D.A. 8.0.1
 Id: 3/7

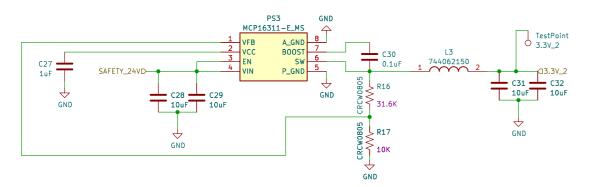
3.3V 1.1 REGULATOR 30V MAXIMUM INPUT

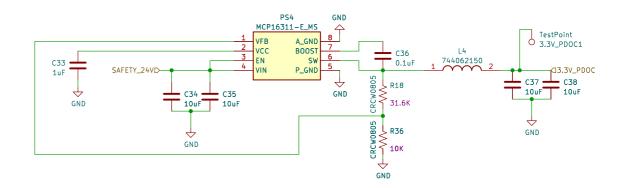


Rules demand that all non driver resetable inputs must be seperate circuits, this could be interpreted as every circuit being powered by a different supply causing to this mess being made, each non-resetable is powered by a different IC, I did not want to do this but whatever gets us to comp



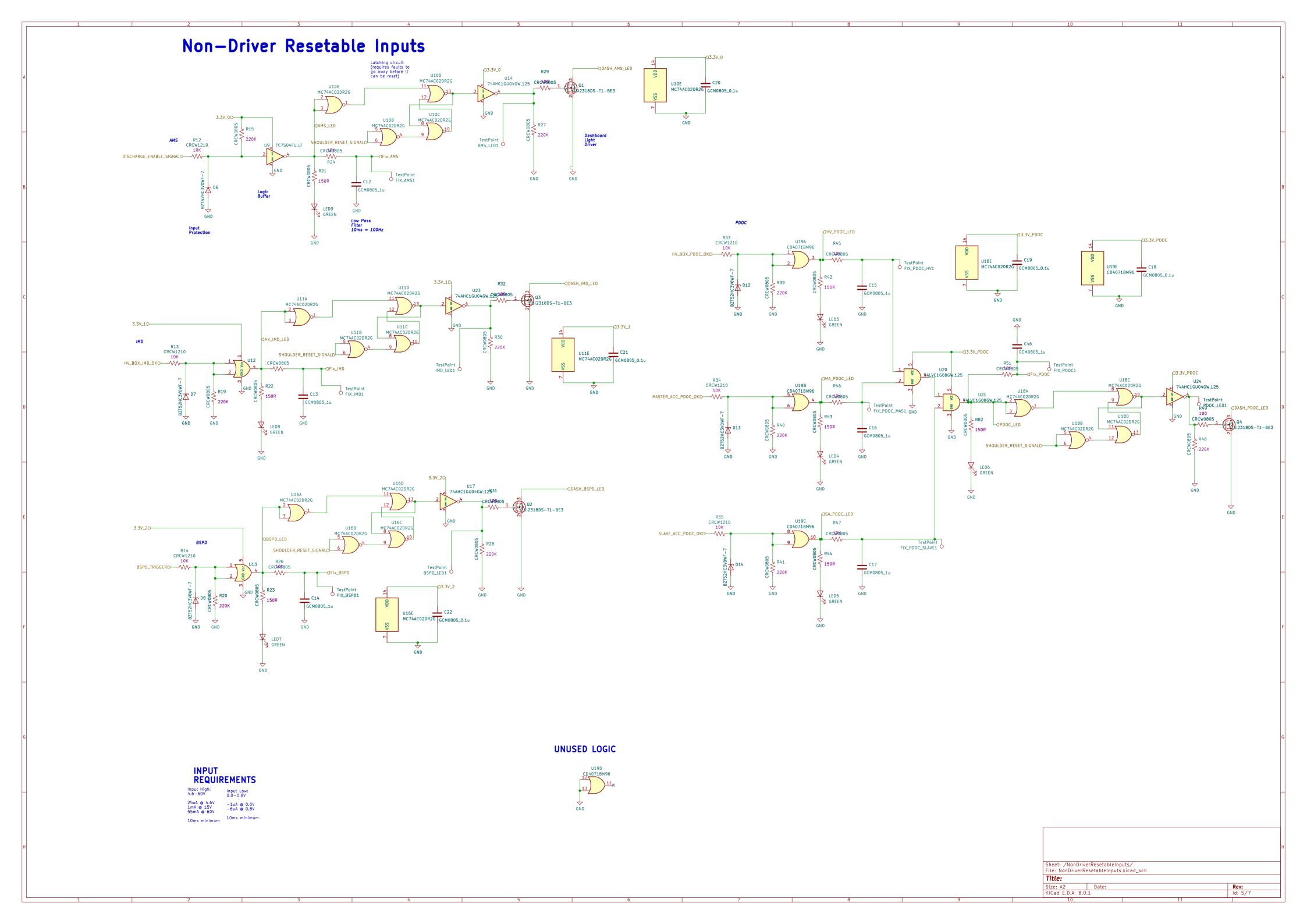




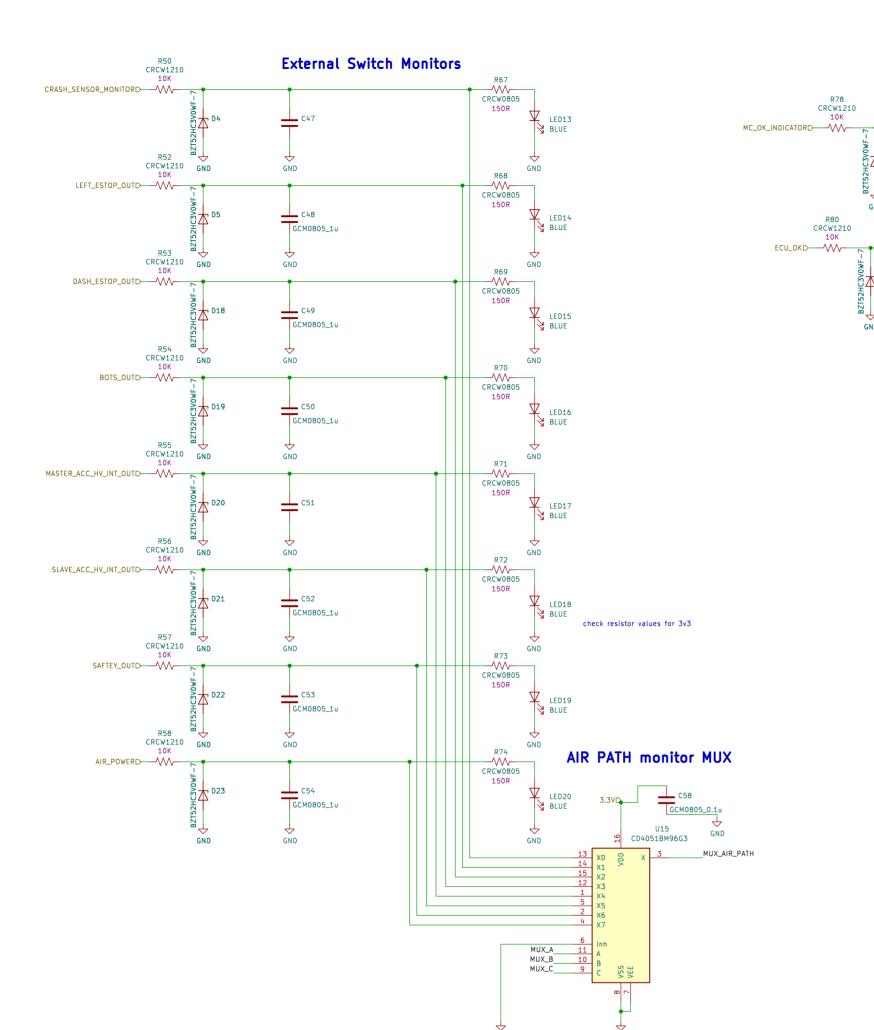


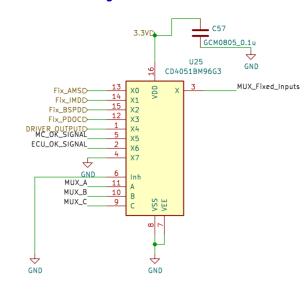
Sheet: /powerRegulation/
File: powerRegulation.kicad_sch

Title:
Size: A3 Date: Rev:
KiCad E.D.A. 8.0.1 Id: 4/7



Logic Monitor MUX





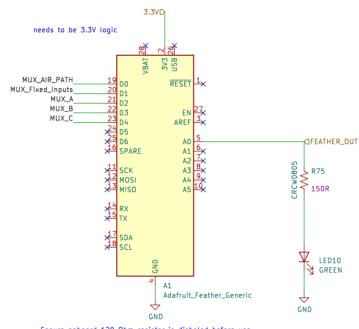
MC_OK_SIGNAL

ECU_OK_SIGNAL

CRCW0805 150R

LED12 GREEN

https://octopart.com/sn74lvc4245apwt-texas+instruments-5451070?r=sp#Documents



Ensure onboard 120 Ohm resistor is disbaled before use

Sheet: /feather/
File: feather.kicad_sch

Title:
Size: A2 Date: Rev:
KiCad E.D.A. 8.0.1 Id: 6/7

