

# Tractive System Active Light (TSAL) Board

## Function:

TSAL board monitors HV post-AIR lines to visually alert driver and bystanders of energized HV lines running through vehicle via 5 Hz flashing rollhoop light.

IowaFormula - proj.Mercury

TITLE: TSAL

Document Number: 5 of 7

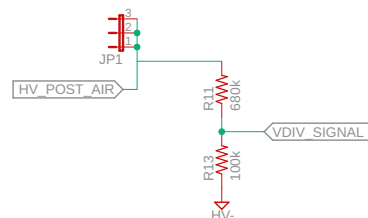
REV: A

Date: 11/30/18

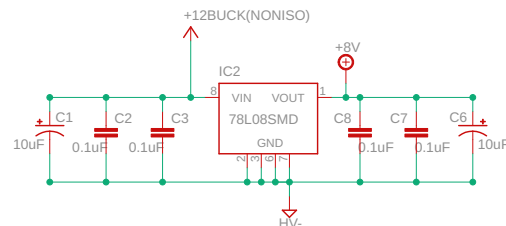
Author: Michael Pass

Sheet: 1/1

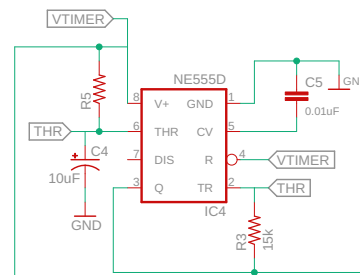
1. HV Sense Wire / Voltage Divider



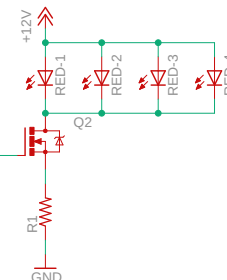
HV Monitor Power Supply / Reference Source



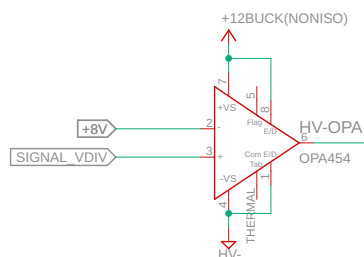
5. Flashing Signal Driver



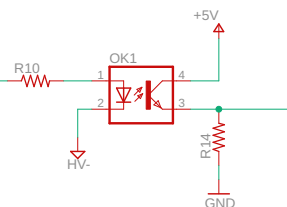
Red Flash - HV Active



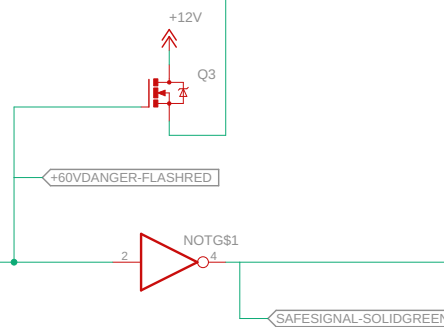
2. HV Threshold Sensing



3. HV-LV Logic Translation



4. Complementary Status Signals



Green Steady - HV Inactive

