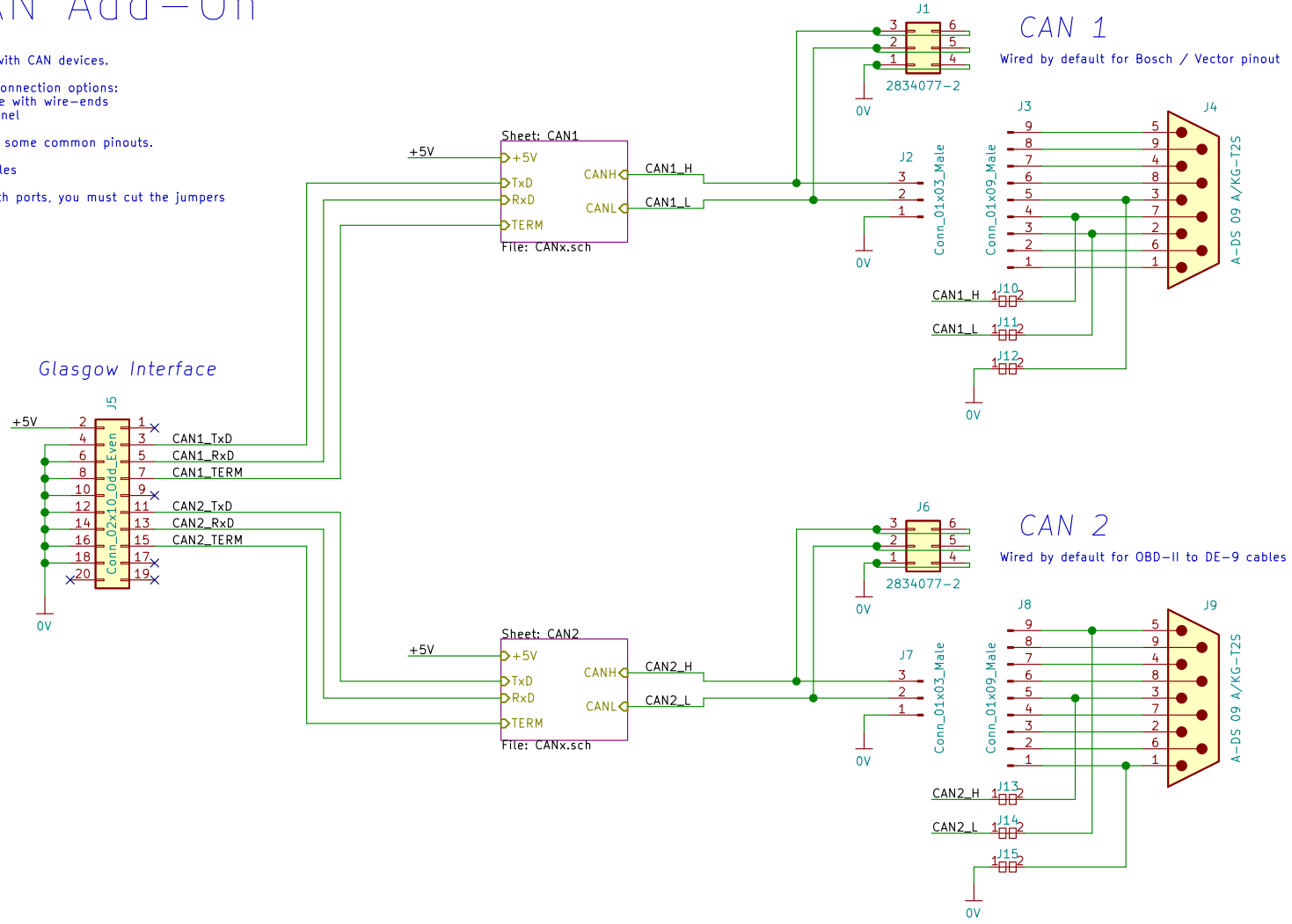
Glasgow 2x CAN Add-On

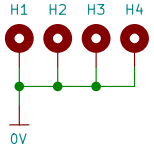
This add-on is intended to permit easy interfacing with CAN devices.

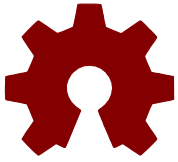
Two channels are provided, each of which has two connection options:
1. A spring-loaded terminal block, suitable for use with wire-ends
2. A DE-9 with pins, paired with a small patch panel

The board ships with the DE-9 connectors wired for some common pinouts.
- CAN1 is wired for Bosch / Vector
- CAN2 is wired for common DE-9 to OBD-II cables

If you require a different pinout, or the same on both ports, you must cut the jumpers and patch in your own pinout.

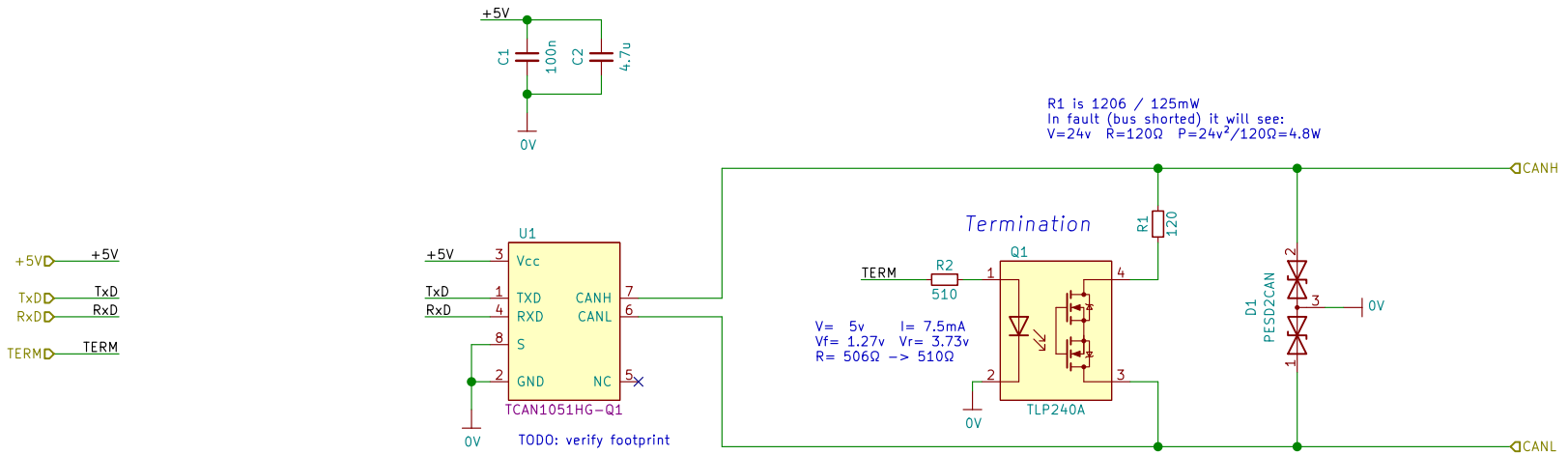


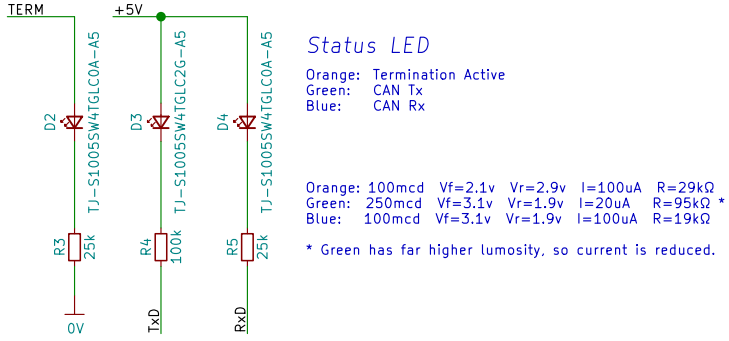




BSD-3-Clause

Designed by: Attie Grande Sheet: Top Level		
Sheet: / File: glasgow-can.sch		
Title: Glasgow CAN Add-On		
Size: A4	Date: 2020-12-19	**Rev: r0**
KiCad E.D.A. kicad (5.1.8)-1		Id: 1/3





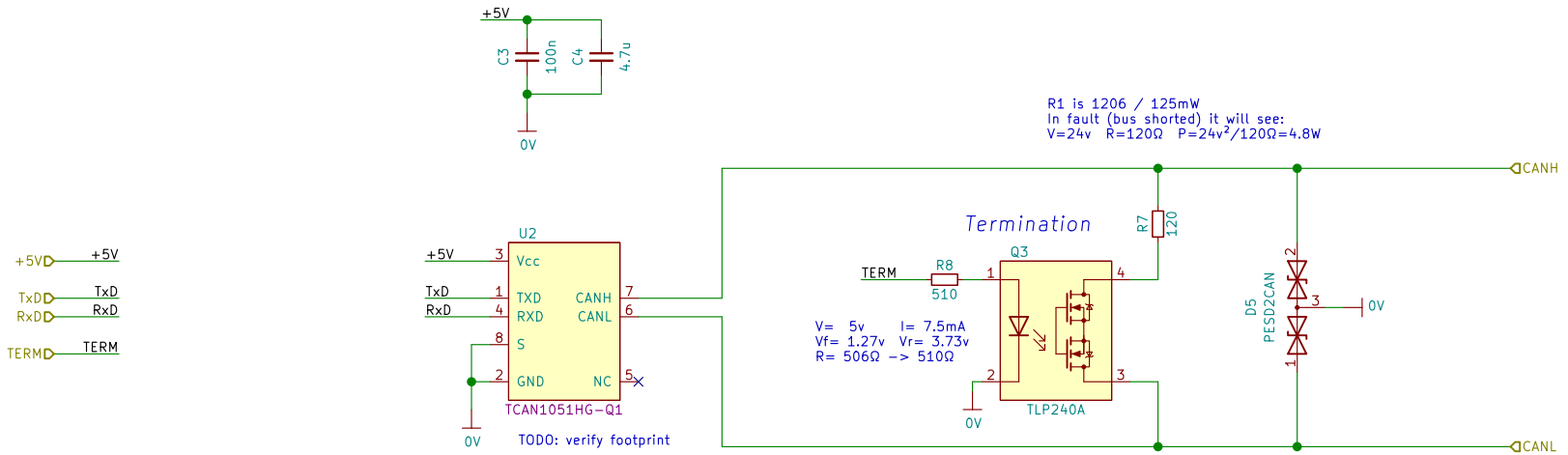
Status LED

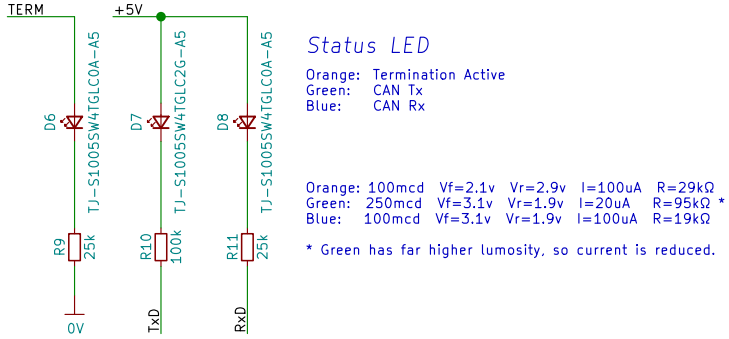
Orange: Termination Active
Green: CAN Tx
Blue: CAN Rx

Orange: 100mcd Vf=2.1v Vr=2.9v I=100uA R=29kΩ
Green: 250mcd Vf=3.1v Vr=1.9v I=20uA R=95kΩ *
Blue: 100mcd Vf=3.1v Vr=1.9v I=100uA R=19kΩ

* Green has far higher lumosity, so current is reduced.

Designed by: Attie Grande Sheet: CAN Channel		
Sheet: /CAN1/ File: CANx.sch		
Title: Glasgow CAN Add-On		
Size: A4	Date: 2020-12-19	**Rev: r0**
KiCad E.D.A. kicad (5.1.8)-1		Id: 2/3





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Designed by: Attie Grande Sheet: CAN Channel		
Sheet: /CAN2/ File: CANx.sch		
Title: Glasgow CAN Add-On		
Size: A4	Date: 2020-12-19	**Rev: r0**
KiCad E.D.A. kicad (5.1.8)-1		Id: 3/3