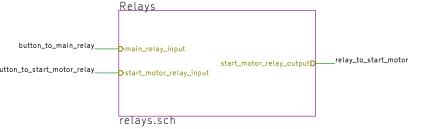
MicroSquirt Connector to the MicroSquirt ECU. The Bootload jumper is to allow flashing new firmware. The connector must be wired with the same pinout as the MicroSquirt. Connectors injector_ >injector_input J1 ignition_1 +12V F1 ignition1_input MicroSquirt_connector 3A Fuse ignition_2_ pignition2_input 120 CANH tachometer_ CANL **>**tachometer_input VRIN2+ serial_RX_ serial_rx Spare_Input_2 Flex_Fuel serial_TX FIDLE **>**seria∟tx FUEL_PUMP serial_GND_ injector INJECTOR_1 □serial_GND 10 × INJECTOR_2 IGNITION_OUTPUT_#2 _ignition_2 relay_to_start_motor_ >start_motor_power _ignition_1 12 IGNITION_OUTPUT_#1 connectors.sch __serial_RX SERIAL_Rx JP1 <u>14</u>_serial_TX SERIAL_Tx Bootload Jumper 15 BOOTLOADER ACCEL_LED 16 × \rightarrow Warm-Up_LED 17 X GNDS 18 2ND_SENSOR_GROUND Relays serial_GND 19 SERIAL_GROUND 20 SENSOR_GROUND _cam_hall_signal VR2IN-GROUND GNDS button_to_main_relay_ main_relay_input GROUND _map_signal button_to_start_motor_relay___ MAP GNDPWR start_motor_relay_input _clt_signal 25 R1 +5V CLT 26 iat_signal 10k IAT TPS 5V_Vref 29 X Spare_Input_1 relays.sch OPTOIN+ 31 × OPTOIN-32 × VRIN1+ 33 _crank_hall_signal VRIN1-_ego_signal 34 02 _tachometer TACH_OUTPUT Chalmers Vera Team

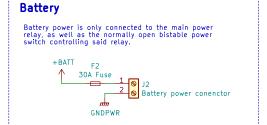
_crank_hall_signal crankshaft_signalD _cam_hall_signal camshaft_signalD _map_signal map_signalC _ego_signal ego_signalD _clt_signal clt_signalD _iat_signal iat_signal[_button_to_start_motor_relay start_motor_signalD _button_to_main_relay main_power_signalD

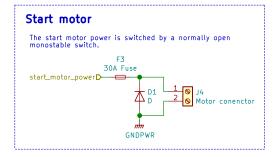


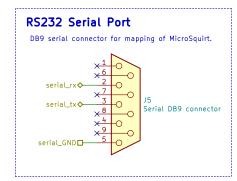
Designed by Erik Almbratt (erik.almbratt@gmail.com) Sheet: / File: ecu-board.sch

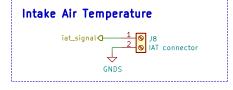
Title: Vera ECU Board Date: 2019-02-04 Size: A4 Rev: 0.1 KiCad E.D.A. kicad 5.0.1 ld: 1/3

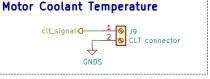
Button inputs for relay control of main power and starter motor. +BATT main_power_signal R2 R3 10k R3 10k

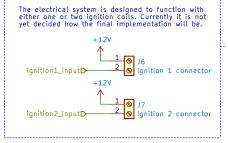












Ignition

