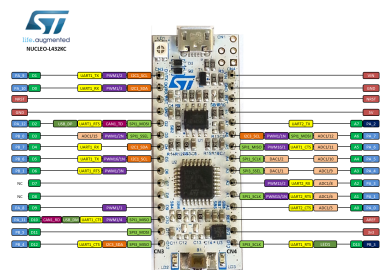
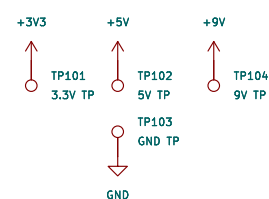


D2 and D10 are reserved for USB and CAN communication.
VIN can accept +7V–12V.



The diagram illustrates the pin connections for the Arduino Uno. It shows five rows of components, each with a resistor (R102 to R107) and a diode (D101 to D105). The connections are as follows:

- Error:** R102 (100) is connected to GND. D101 (YELLOW) is connected to GND.
- Tracking:** R104 (100) is connected to GND. D102 (GREEN) is connected to GND.
- Heartbeat:** R105 (100) is connected to GND. D103 (GREEN) is connected to GND.
- GCAN_TX:** R106 (100) is connected to GND. D104 (BLUE) is connected to GND.
- GCAN_RX:** R107 (100) is connected to GND. D105 (BLUE) is connected to GND.



The diagram illustrates the correct and incorrect pin connections for two ICs, IC101 and IC102, both labeled TSL25911FN. A large red 'X' is drawn over the IC102 diagram, indicating it is incorrect.

IC101 (Correct Connection):

- SCL:** Pin 1 (connected to pin 6)
- INT:** Pin 2 (connected to pin 2)
- SDA:** Pin 5 (connected to pin 5)
- VDD:** Pin 4 (connected to pin 4)
- GND:** Pin 3 (connected to pin 3)

IC102 (Incorrect Connection):

- SCL:** Pin 4 (connected to pin 4)
- INT:** Pin 2 (connected to pin 2)
- SDA:** Pin 5 (connected to pin 5)
- VDD:** Pin 4 (connected to pin 4)
- GND:** Pin 3 (connected to pin 3)



v0.2.0

Praise the sun. A sensing board that measures irradiance in a calibrated test setup.

v0.2.0

- Standardized schematic into hierarchical sheets
- Updated component listings
- Switched to M3 mounting holes
- Changed some distributors to JLCPCB
- Major layout changes to accomodate assembly constraints

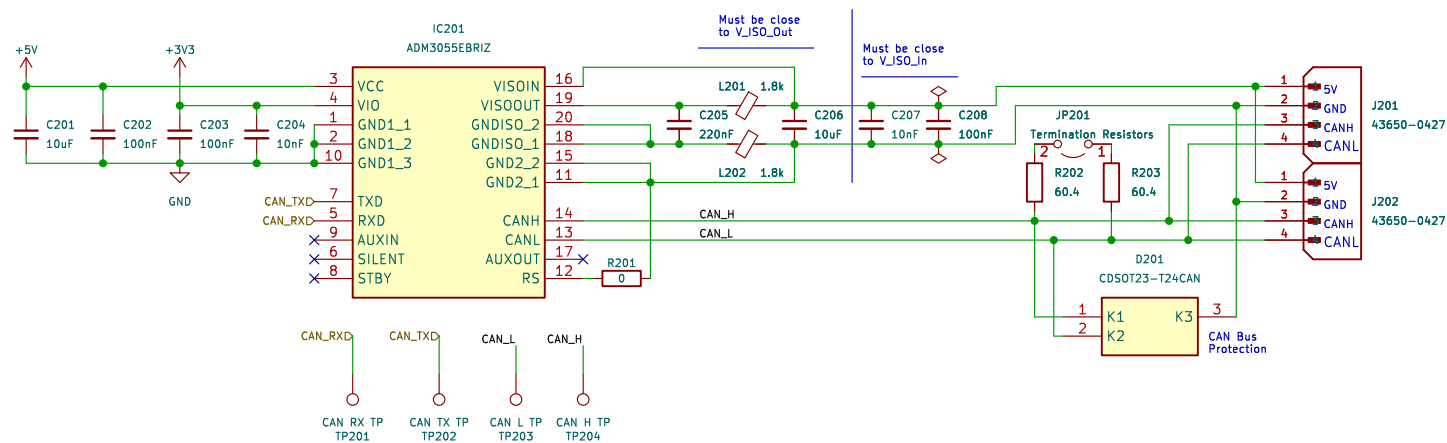
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Rev: v0.2.0
Id: 1/2

CAN



Gary Hallock
Jacob Pustilnik
Matthew Yu

LHR Solar

Sheet: /comm_can/
File: comm_can.kicad_sch

Title: Blackbody B

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