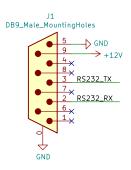
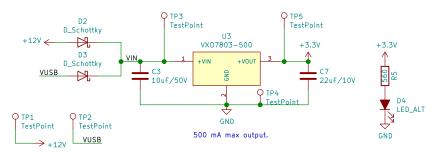
Power/Data Connection



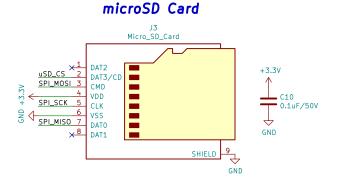
Power Regulation



SPI_MOSI 2 SPI_MISO 3

I2C_SDA 7

SPI_SCK 4



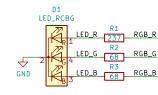
NOTES: Use Harwin M20-7910842R or equivalent to secure camera breakout to the PCB. Use x2 M2x10 screws and x2 spacers to secure the camera sensor in place.

Flir Lepton

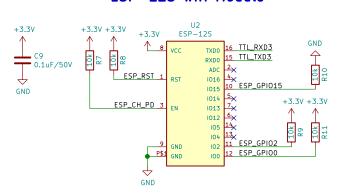
+3.3V

0.1uF/50V

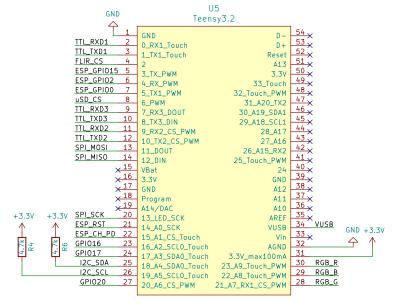
RGB LED



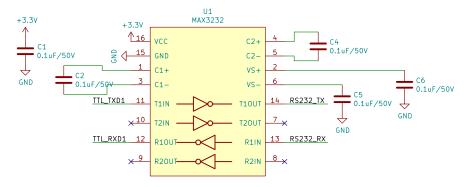
ESP-12S Wifi Module



Teensy 3.2 Dev Board



RS-232 Serial Connection



Auxillary GPIO



Drawn By: Dmytro Moyseyev Approved By: Dmytro Moyseyev Hand Arthritis Inflammatory Imager Device (HAIID) This product works 100% Professor Metthew Campisi File: Flir Lepton Camera Controller Board.sch Title: HAIID Camera Controller Board Size: B Date: 2019-03-21 Rev: A KiCad E.D.A. kicad (5.0.2)-1

Use x2 M3 offstands to secure the board in place.



