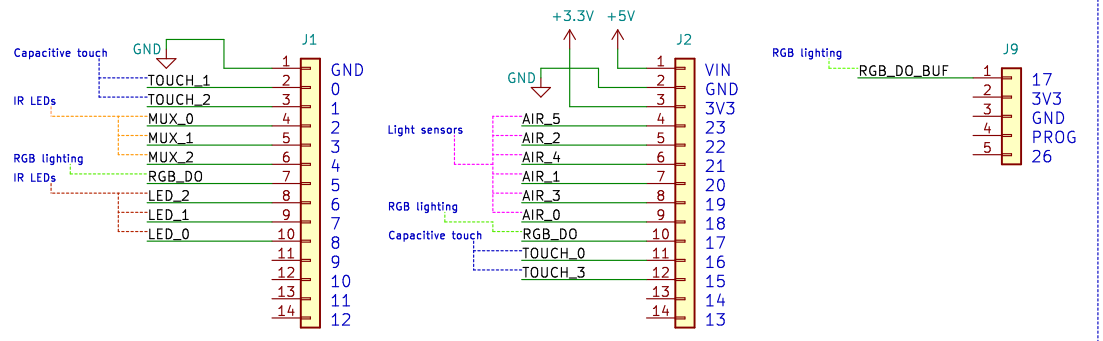
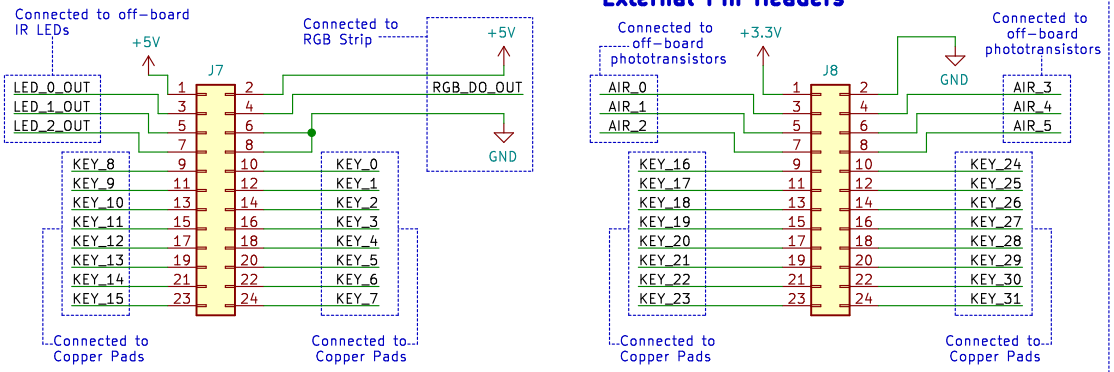
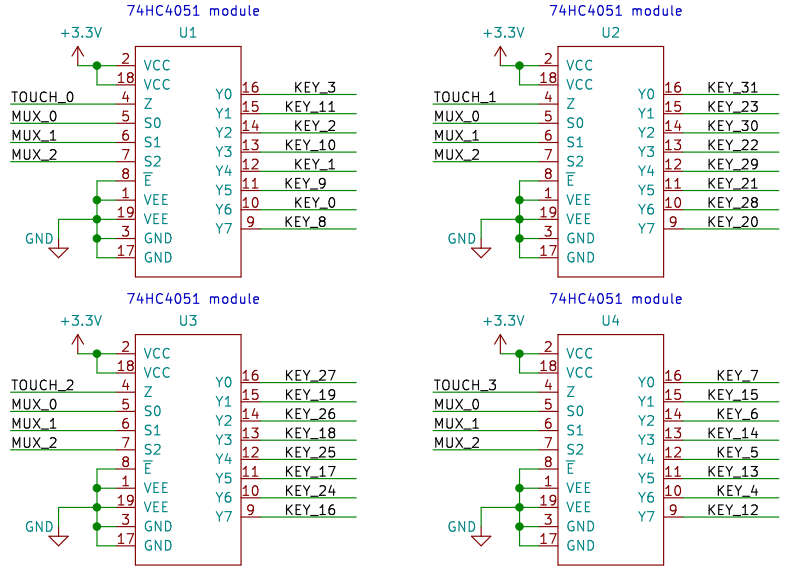
Teensy LC Headers



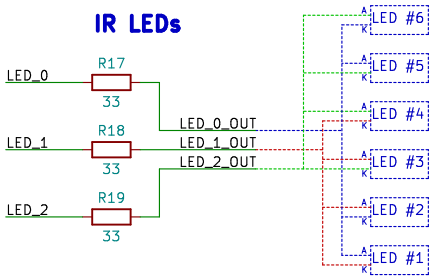
External Pin Headers



Capacitive Touch Sensing

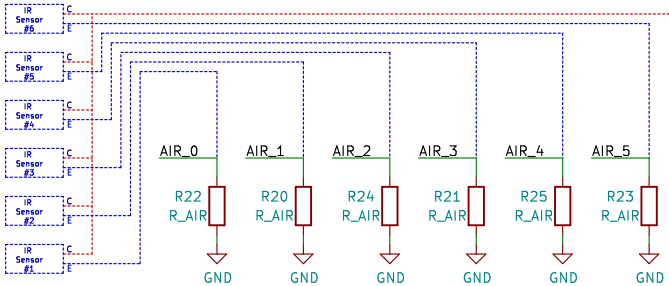


IR LEDs



A – Anode (Long Pin)
K – Cathode (Short Pin, Flat Side)

IR Sensors

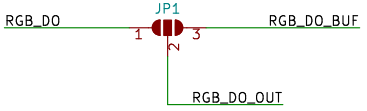


NOTE:
R_AIR is highly dependent on your IR leds and phototransistor/diodes. They may range from 10k Ohm to 2M Ohm.

If using Phototransistor:
C – Collector
E – Emitter

If using Photodiode:
C – Cathode (Short Pin, Flat Side)
E – Anode (Long Pin)

RGB Power Selection



Solder 1 and 2 together to use 3.3V logic
Solder 2 and 3 together to use built-in 5V buffer

LOGO1
LOGO2
H1 MountingHole
H2 MountingHole
H3 MountingHole
H4 MountingHole

OpeNITHM (32 Key Teensy ver.)

Design by VeroxZik based on work by WinEpic and mickabrig7

Sheet: /
File: OpeNITHM.sch

Title: OpeNITHM Controller Board

Size: A4	Date: 2020-06-03	**Rev: v2.1**
KiCad E.D.A. kicad (5.1.6)-1		Id: 1/1