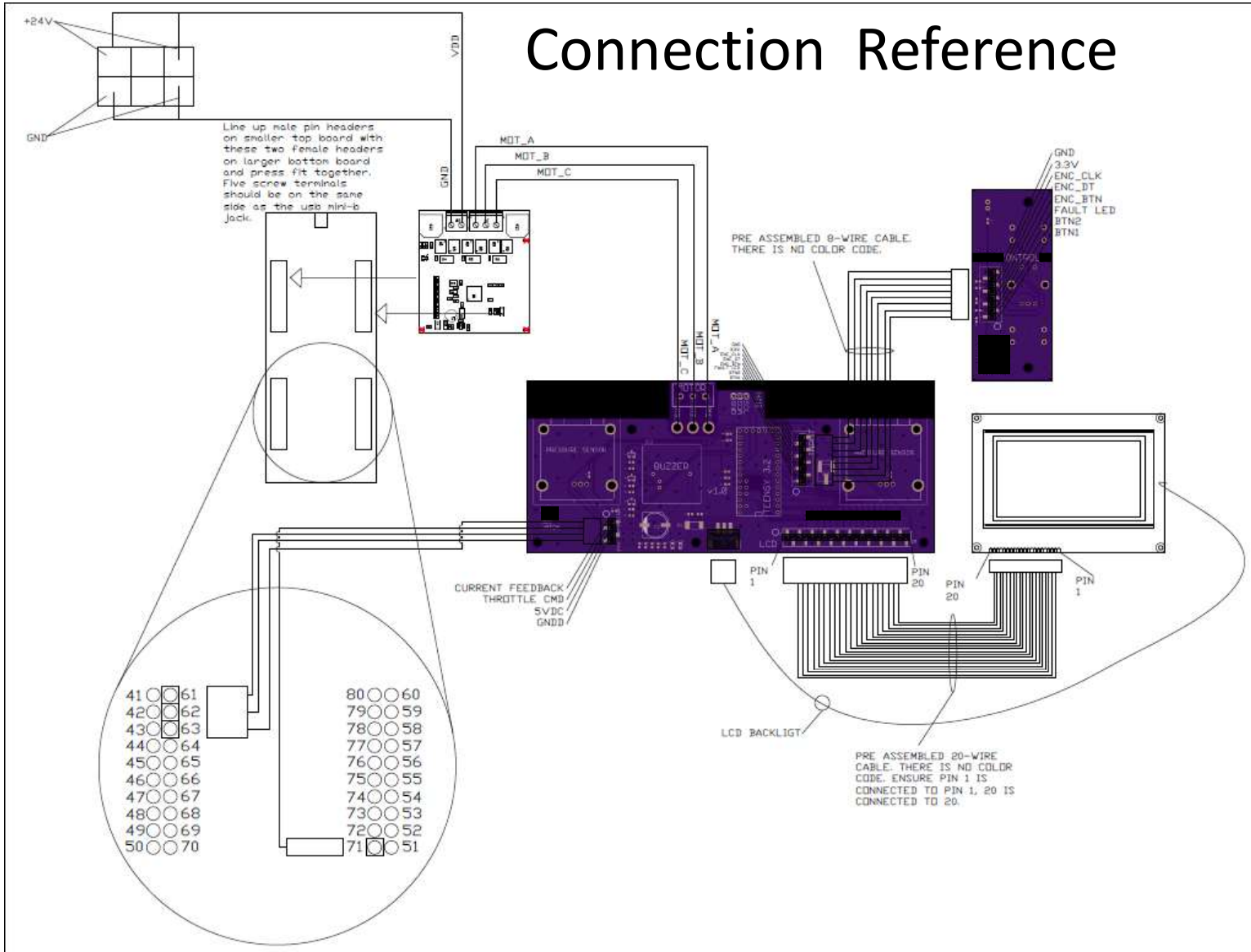
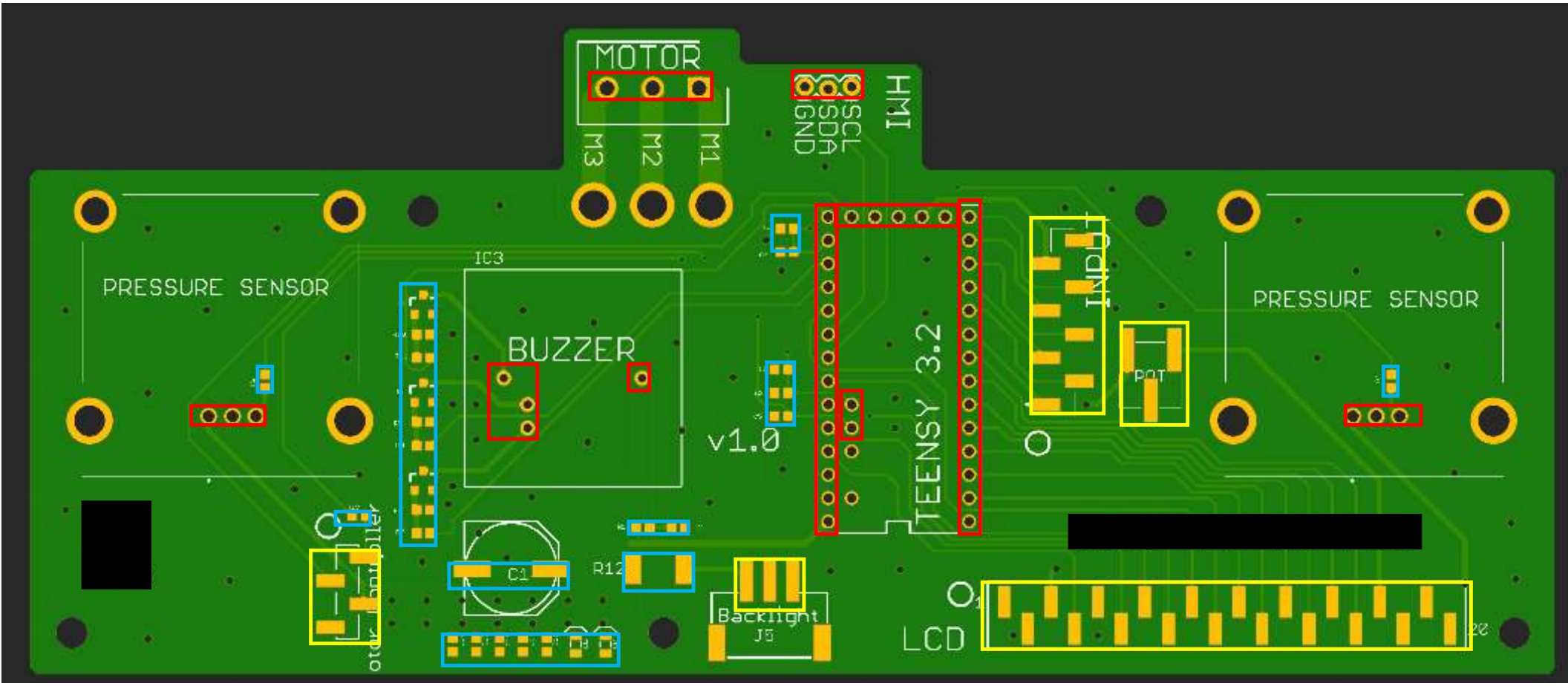
Ventilator Version 2

Build Notes

Connection Reference



Soldering Reference Front

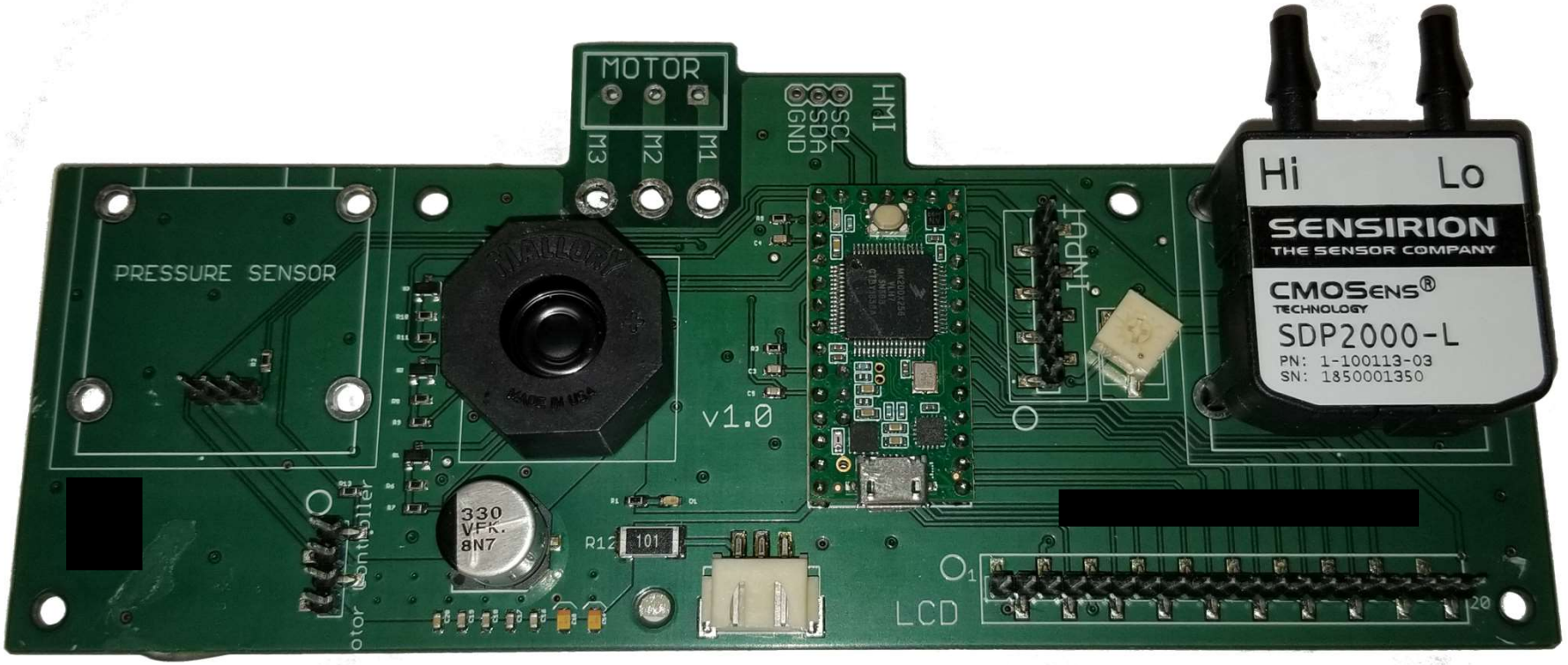


= Through Pin

= Resistors / Capacitors (Surface)

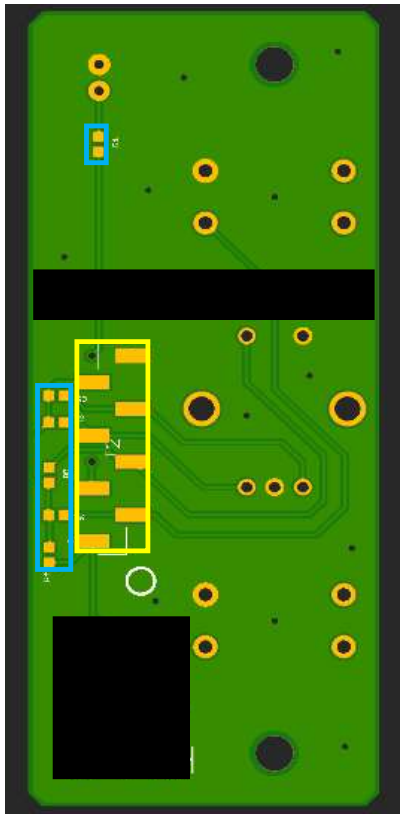
= Surface Mount (Headers)

Assembled Circuit Board

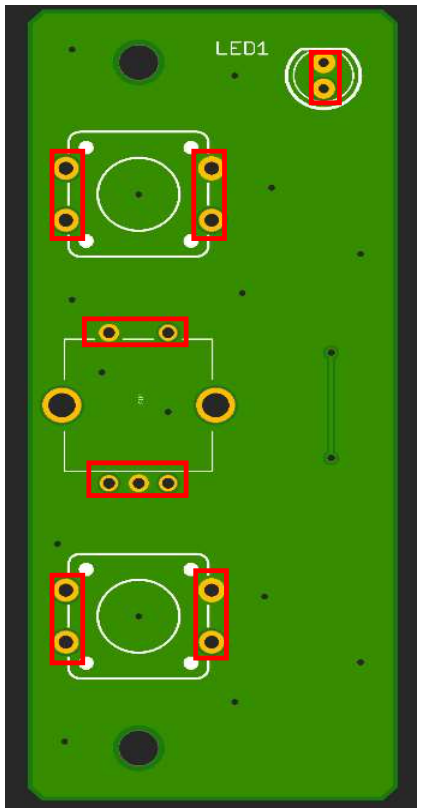


Soldering Reference Sub-Component

Back (PCB Facing)



Front (Panel Facing)



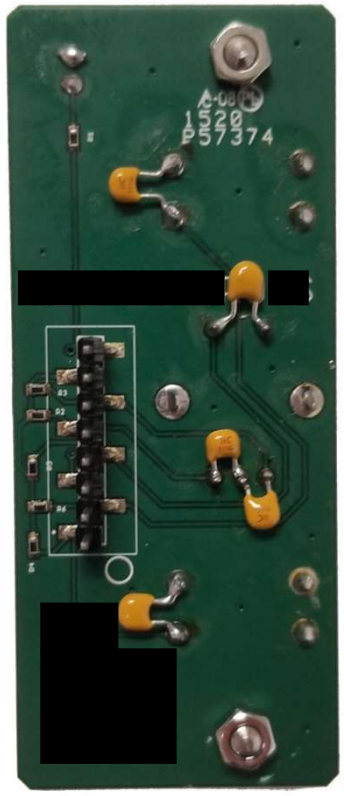
= Through Pin

= Resistors / Capacitors (Surface)

= Surface Mount (Headers)

Assembled Sub-Component

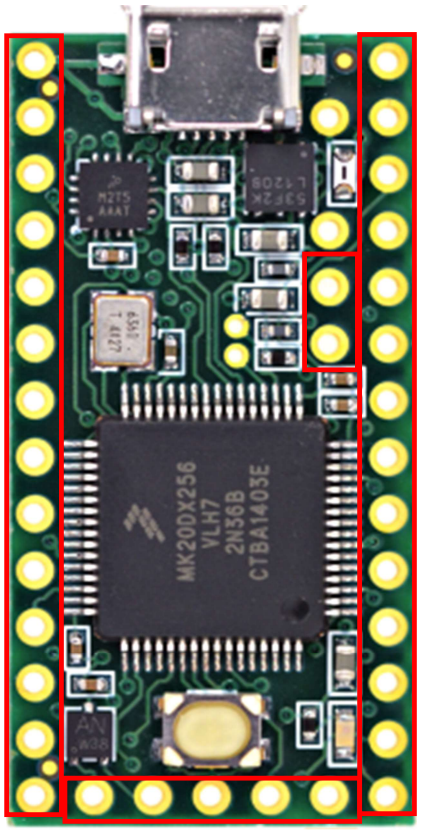
Top View

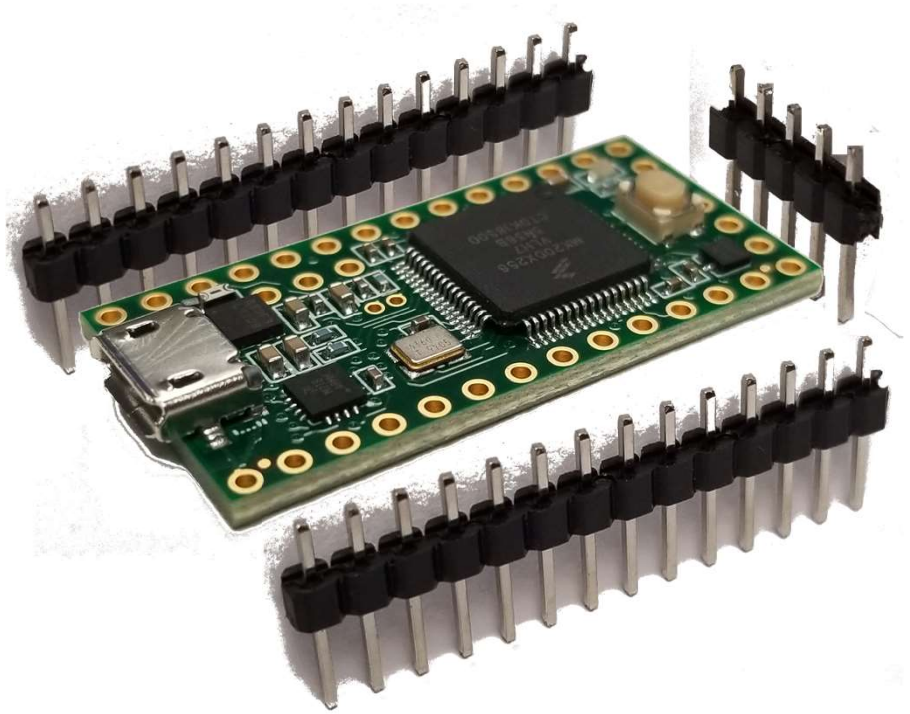


Bottom View

Soldering Reference (Teensy)

TEENSY 3.2





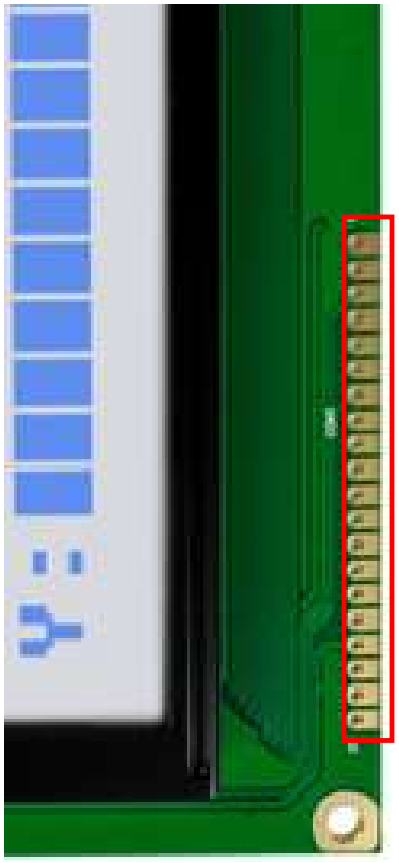
= Through Pin

= Resistors / Capacitors (Surface)

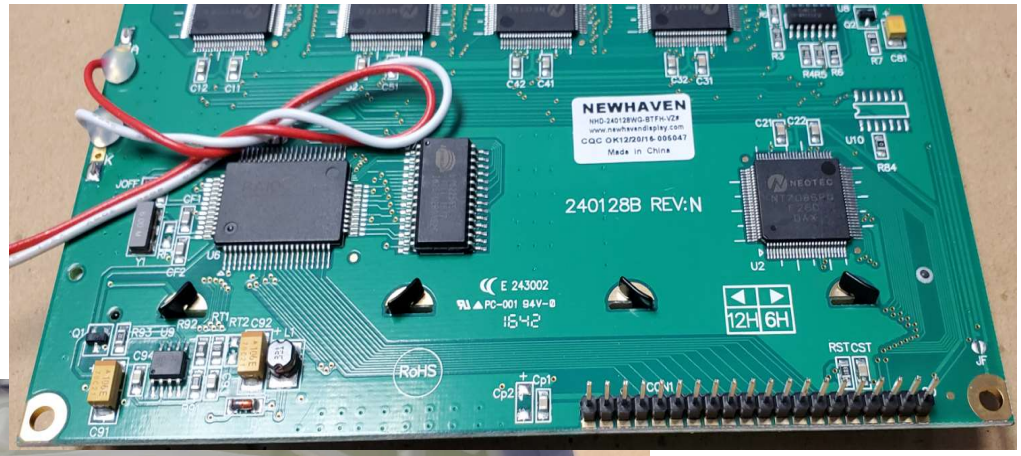
= Surface Mount (Headers)

Soldering Reference (LCD)

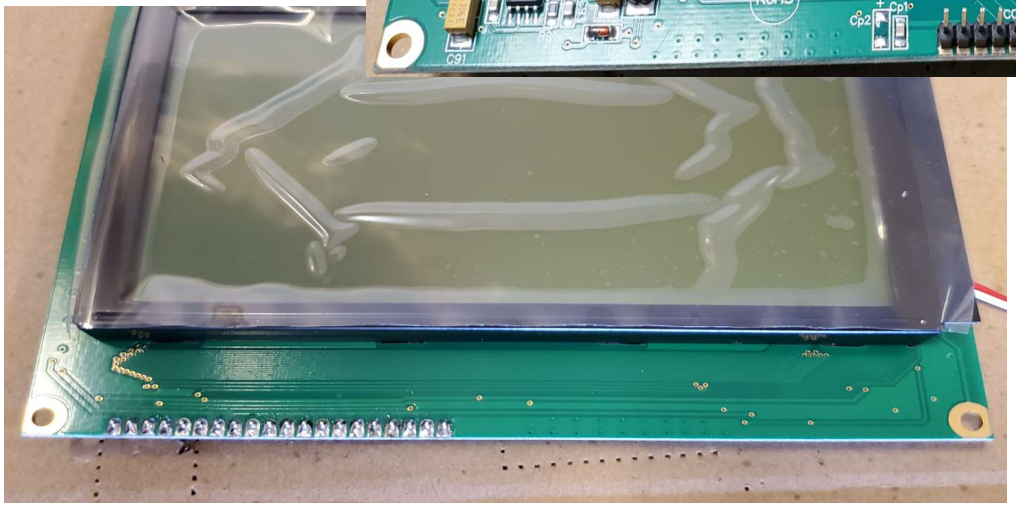
LCD Screen



Bottom Finished Example



Top Finished Example

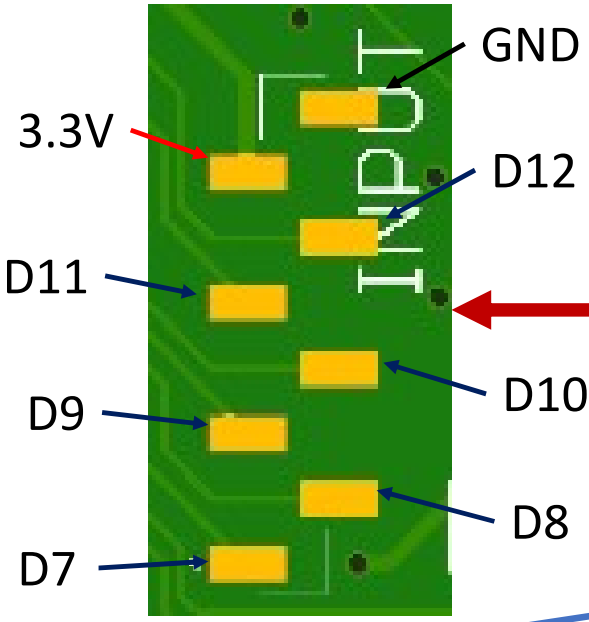


= Through Pin

= Resistors / Capacitors (Surface)

= Surface Mount (Headers)

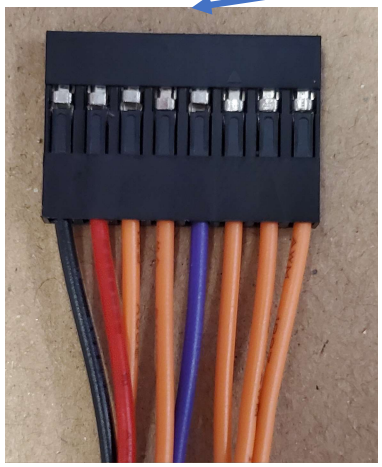
Main PCB to Input PCB connections

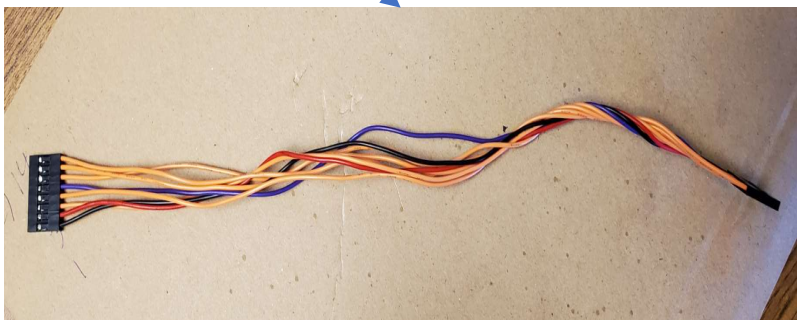


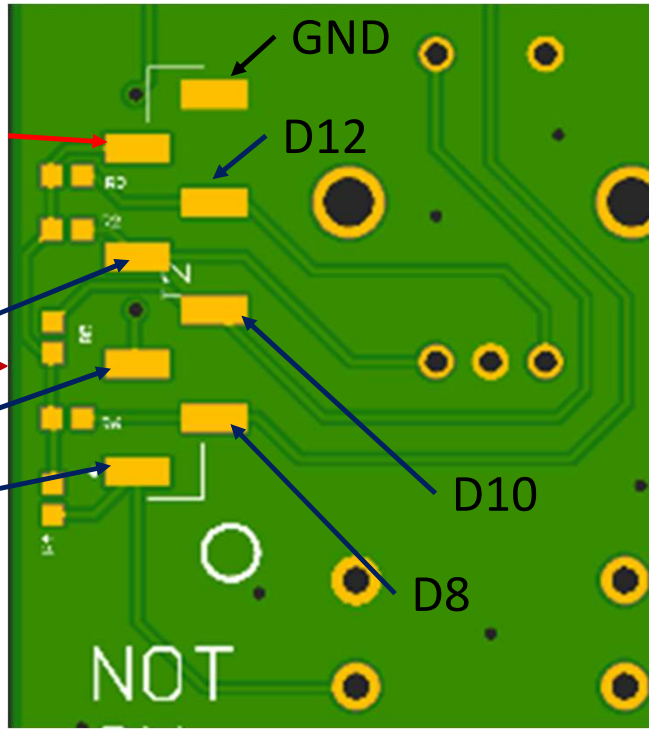
Main PCB
Solder 8 Pin Surface Mount Header

Input PCB
Solder 8 Pin Surface Mount Header

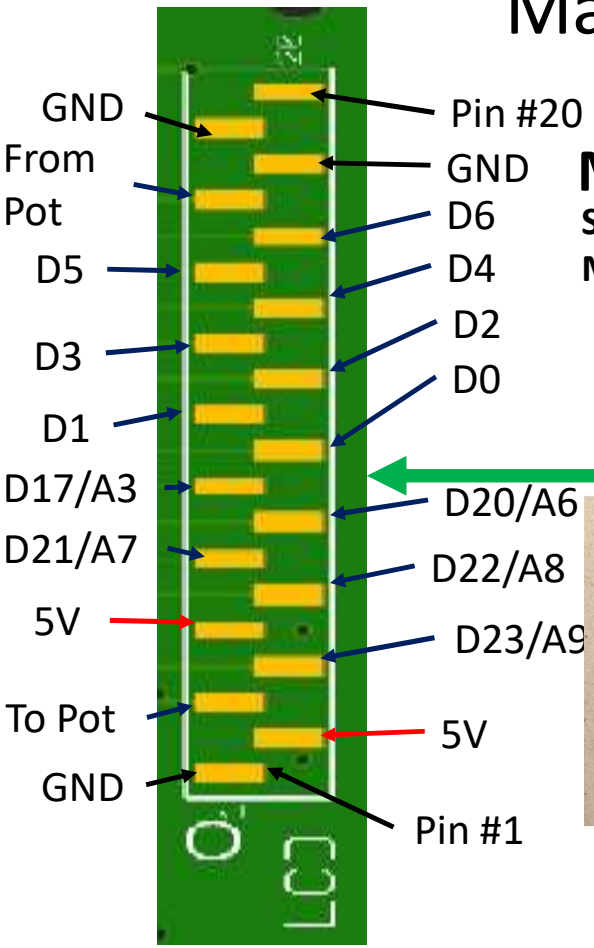
Double sided 8 Pin Cable







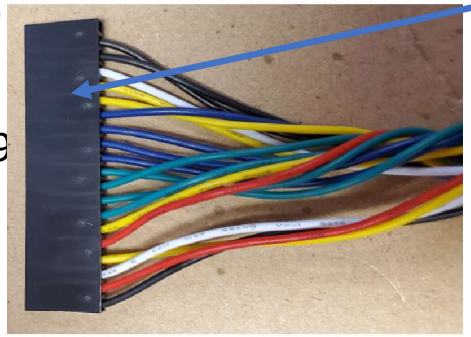
Main PCB to LCD connections

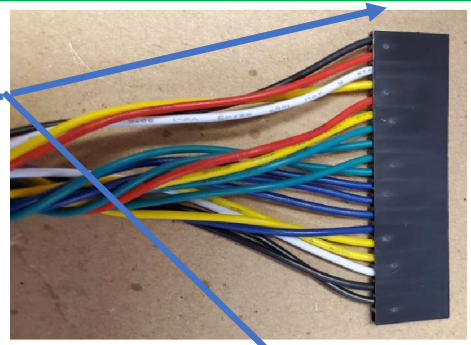


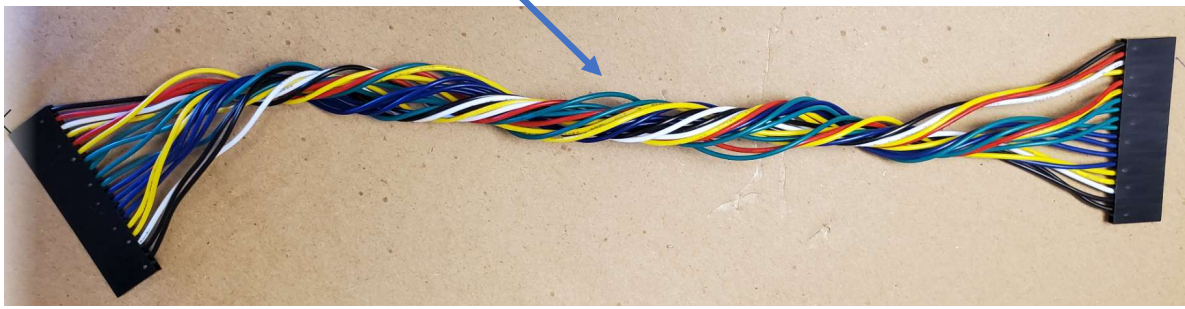
Main PCB
Solder 20 Pin Surface Mount Header

LCD Screen
Solder 20 Pin Surface Mount Header

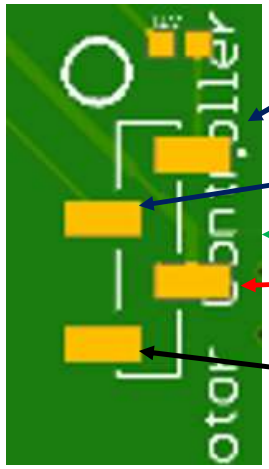
Double sided 20 Pin Cable







Main PCB to TI Board connections

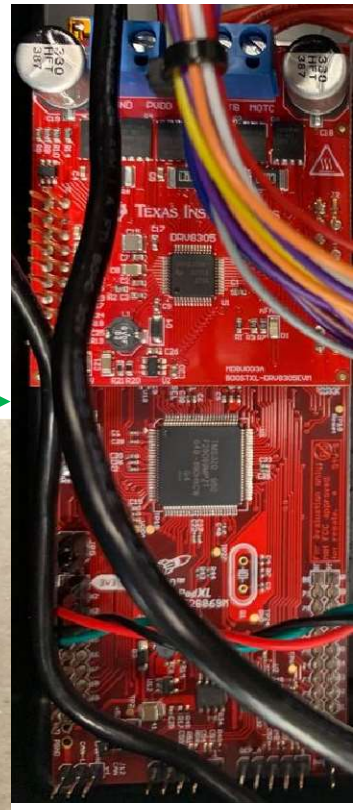


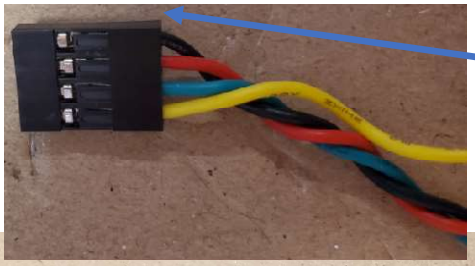
Current Feedback
Throttle CMD
5V
GND

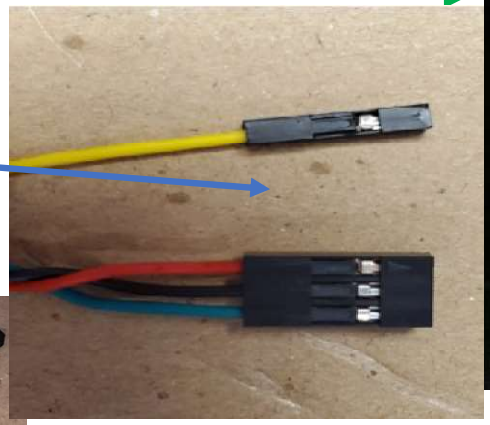
Main PCB
Solder 4 Pin Surface Mount Header

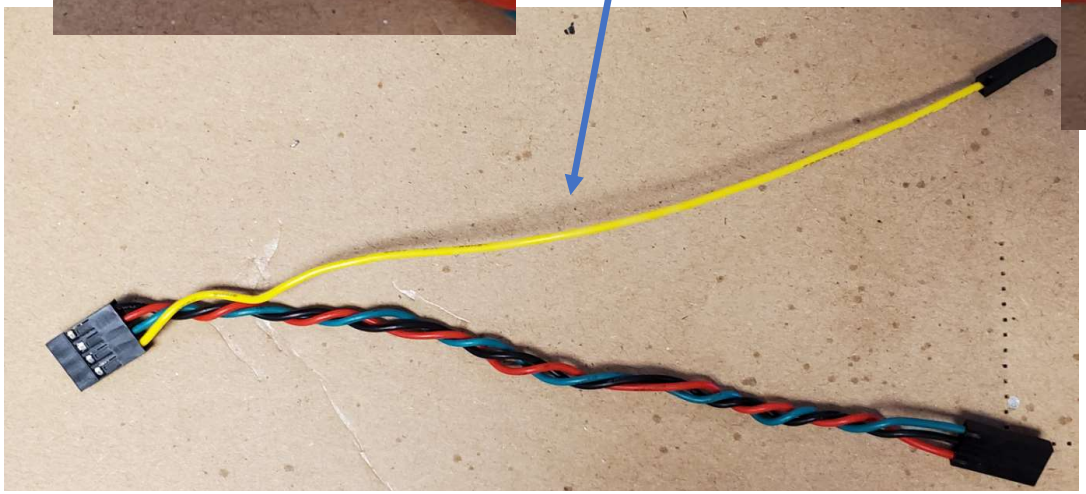
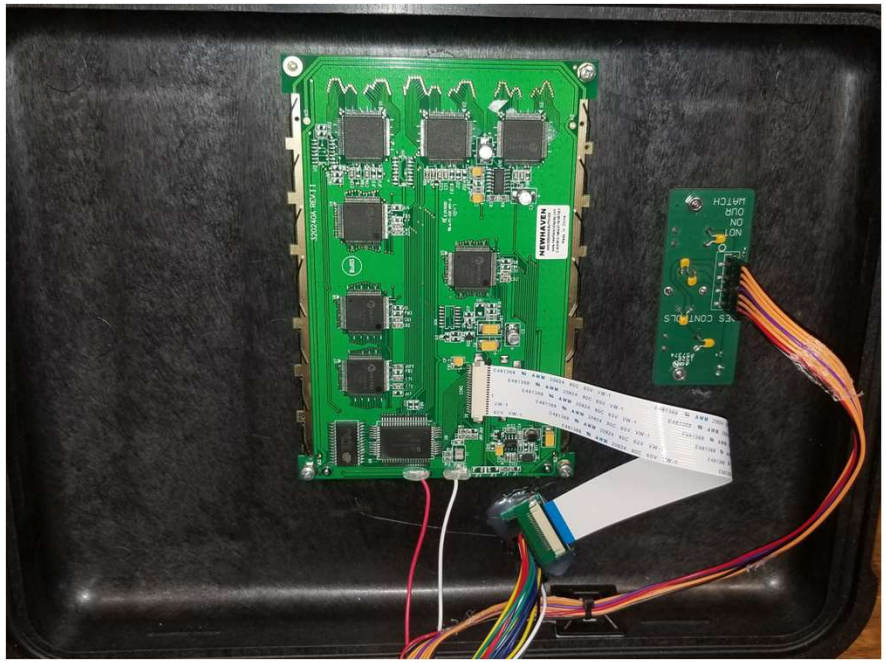
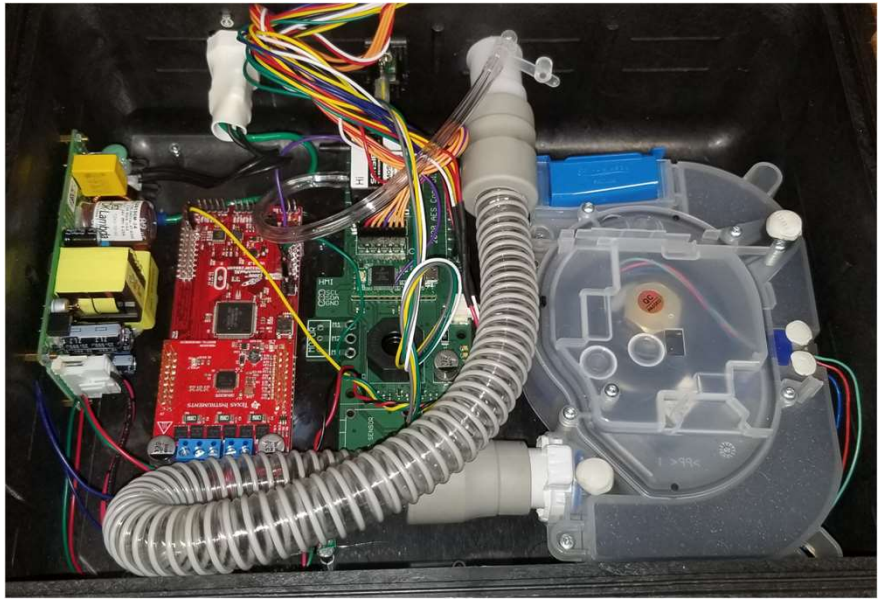
4 to 3&1 pin Cable

TI Board









As-Built Images