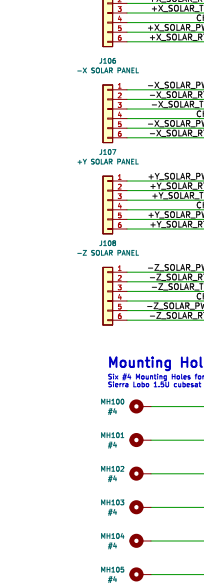
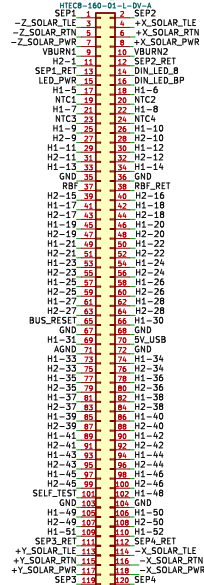
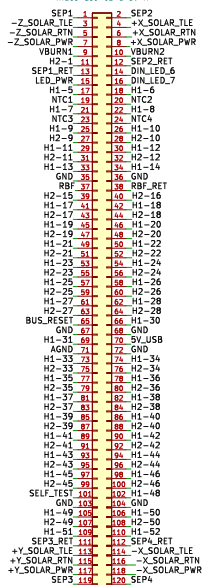
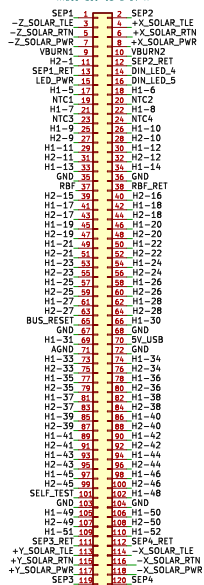
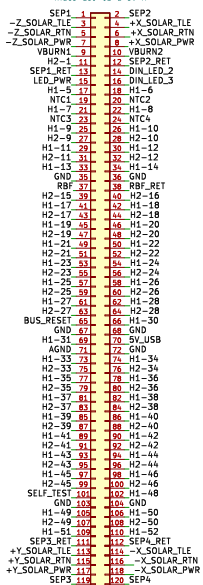
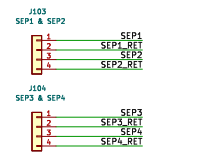


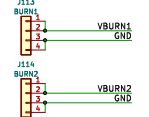
J200_2
HTEC8-160-01-L-DV-A



+X SOLAR PANEL

J103
SEP1 & SEP2

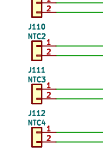
J113
BURN1



RBF Terminal



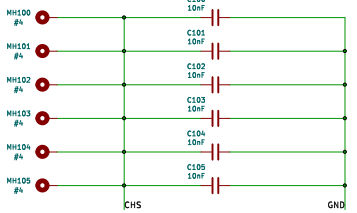
J109
NTC1



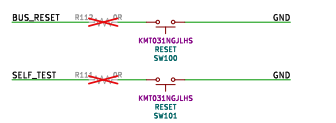
Breakout connectors are only used for ground testing.
2.1A per pin.
trace width: 0.25mm
Vie: 0.2mm drill, 0.5mm dia.

To connect breakout, connect male headers on rear of backplane then connect breakout harness (Samtec SFSD-30-28-G-15.74-D-NUS). Ensure harness is of "NUS" option for connecting to breakout.

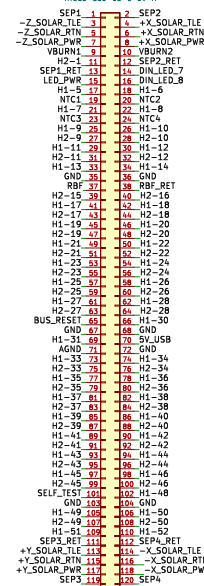
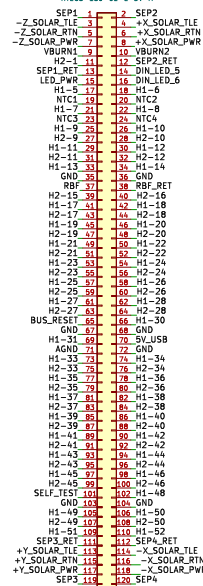
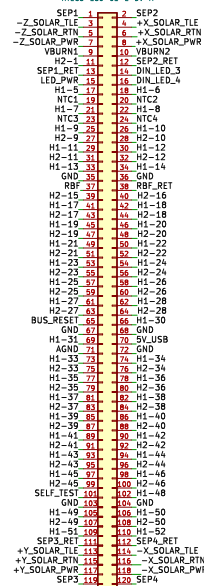
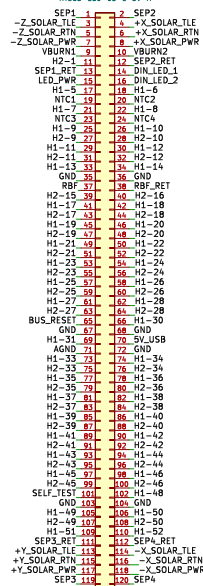
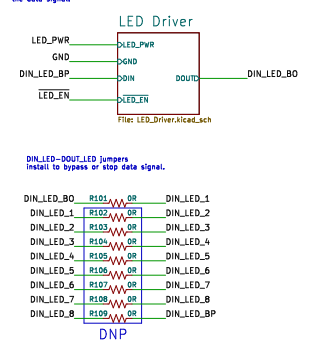
Six #4 Mounting Holes for
Sierra Lobo 1.5U cubesat structure.



Configure pin on controller to have an internal pull up SELF_TEST input.



SK6812-EC3210 (NeoPixel) LEDs.
Pull enable high at controller.
LEDs are configured in a ring,
with jumpers to bypass or termin
the data signal.



COPPER THICKNESS: 20Z
TRACE WIDTH: 0.5mm VIA SIZE: 0.2mm DRILL, 0.5mm PAD



backplane

254

REV

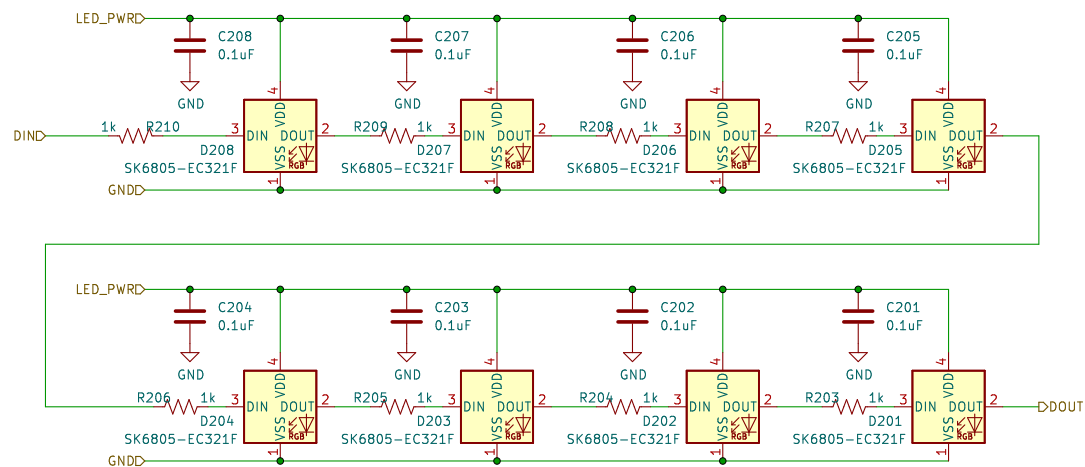
c

2

SH

Reverse-Mounted Addressable RGB LEDs (Neopixels)

shine THROUGH the the board



TECHNOLOGY DEVELOPMENT & ENGINEERING CENTER EAST
11401 HOOVER ROAD, MILAN, OHIO 44846

TITLE

backplane

SIZE
B

DWG NO.

REV
C

DRAWN BY

CH, CK

ENGINEER

CH, CK

2021-12-10

FILE NAME

LED_Driver.kicad_sch

KiCad E.D.A. kicad 7.0.1

SHEET 2 OF 2