

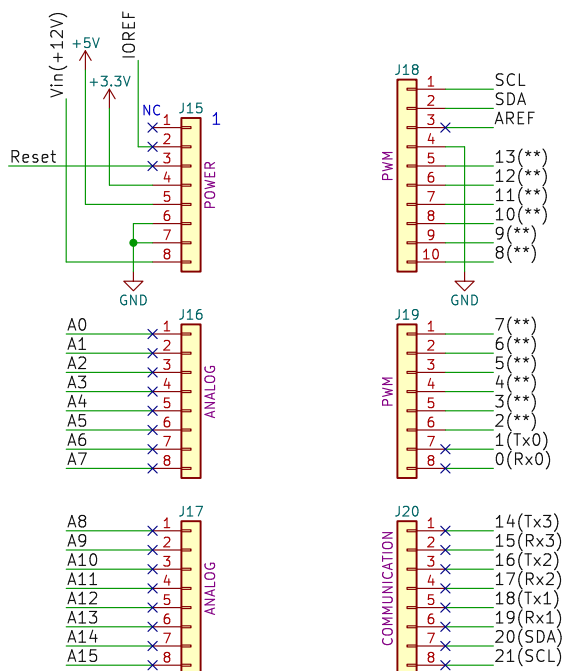
NOTES: (UNLESS OTHERWISE SPECIFIED)

- 1) This is a 2-Layer PCB
- 2) Each layer requires a 2oz Copper pour
- 3) The 12V_SUPPLY and Vin(+12V) symbols under PWR FLAGS depict 2 different nets, but are ultimately tied together.

ARDUINO MEGA REV3

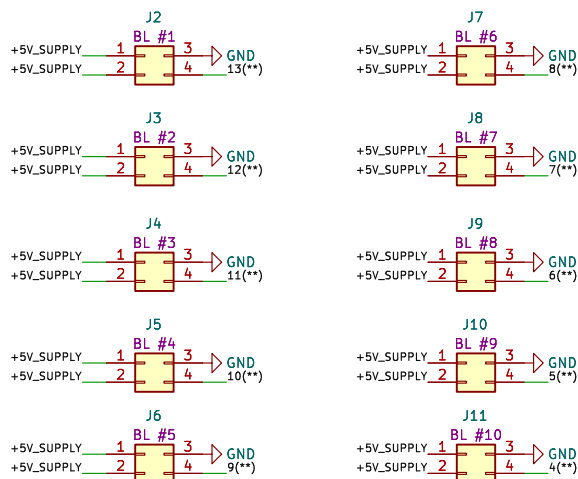
Note: 1) Connections are standard 2.54mm pitch Pin Headers. Pin Sockets can be used in lieu of Pin Headers; dependent on what is attached to the Arduino Mega.

- 2) 5x - 1x08 Pin Headers
- 1x - 1x10 Pin Header
- 1x - 2x18 Pin Header

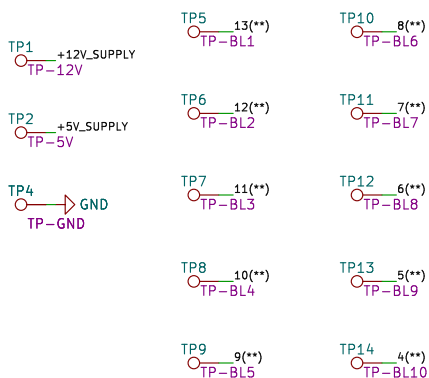


BACKLIGHTING CHANNELS

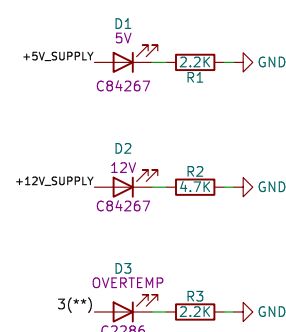
Note: All connectors associated with backlighting channels (BL#1 thru BL#10) are Molex Mini-Fit Jr. 2x02 (Part Number: 39-28-1043)



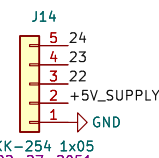
TEST POINTS



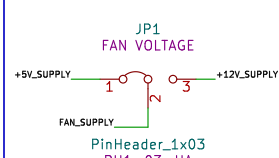
LEDS



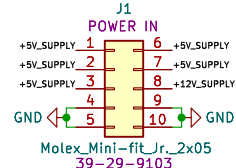
ROTARY ENCODER



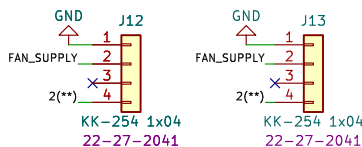
FAN VOLTAGE SELECTOR



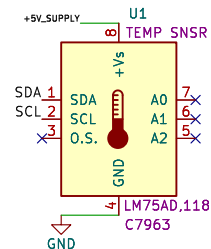
ABSIS BACKLIGHT POWER



COOLING FANS



TEMP SENSOR



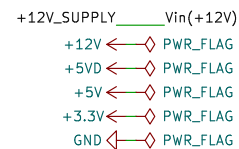
MOUNTING HOLES



LOGOS



PWR FLAGS



- 1: There are only 2 layers.
- 2: Each layer requires a 2oz copper pour.



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Sheet:
File: ABSIS_Backlight Controller.kicad_sch

Title: ABSIS Backlight Controller

Size: USLetter Date: 2023-05-14
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Rev: 7
Id: 1/1