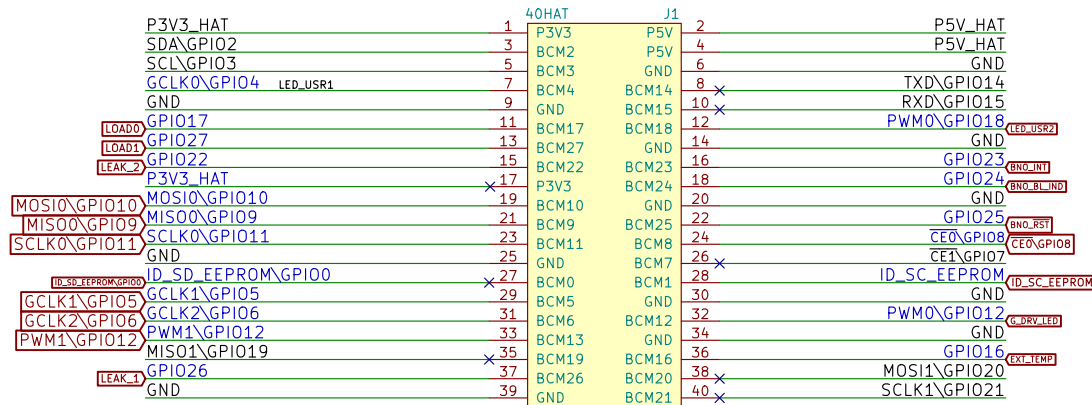
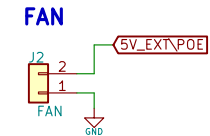
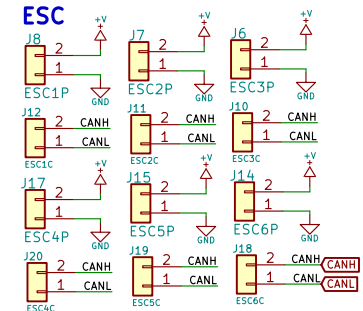
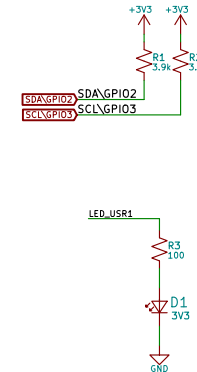


AUV Pi Expansion

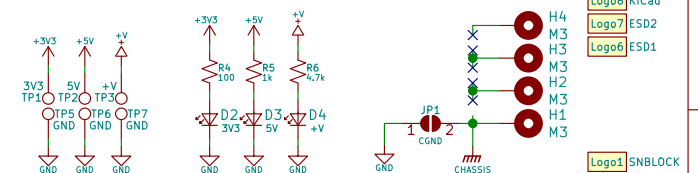
40-Pin HAT Connectors



*GCLK2\GPIO6 INT for CAN, not important



- Logo18 Cod
- Logo14 Jelly
- Logo16 Bubble
- Logo11 Shark
- Logo10 RPI
- Logo9 KiCad2
- Logo8 KiCad
- Logo7 ESD2
- Logo6 ESD1
- Logo1 SNBLOCK



Sheet: Sensors

Sensors

File: Sensors.sch

Sheet: Power

Power

File: Power.sch

Sheet: Interface

Interface

File: Interface.sch

Sheet: POE

"POE"

File: POE.sch

lucky volt

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Title: AUV Pi Expansion – The "Cod Fish"

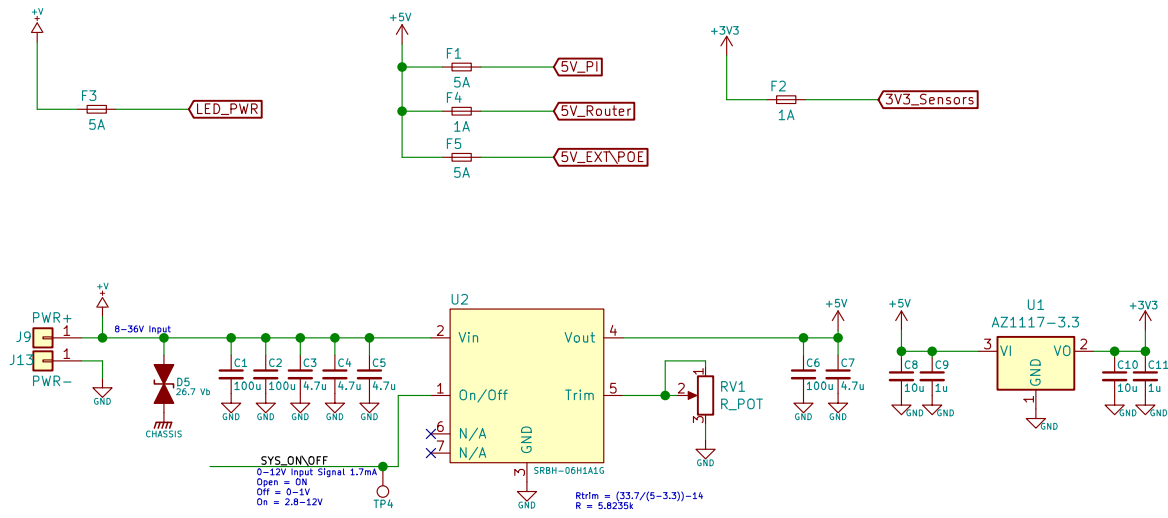
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Date: 2020-07-07

Drawn By: Mitchell Stride

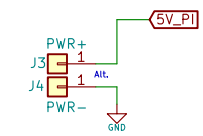
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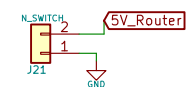


Ideal Pin 10.5/11-19/20V so like 10-20V
 5V Buck
 Pi43A(Conn),PiZero1Ax3(RJ45),Router.5A(microUSB)
 5-6.5A = 25-32.5W
 179-SRBH-06H1A1G-ND

5V to Pi



5V to Router

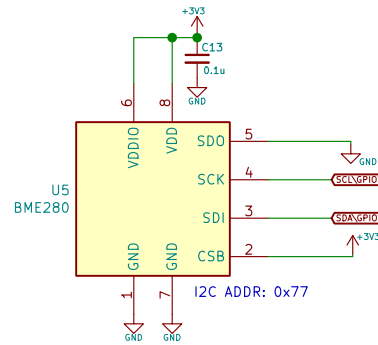
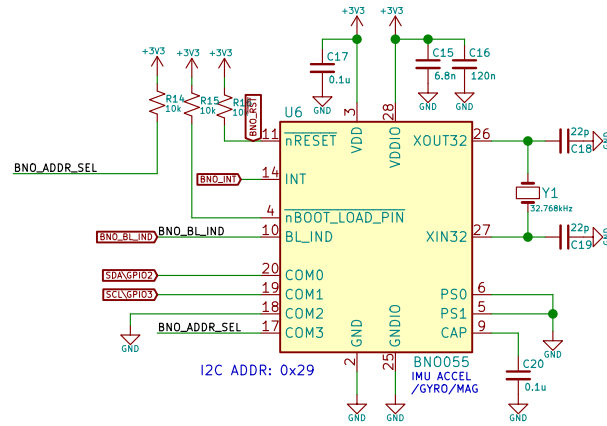


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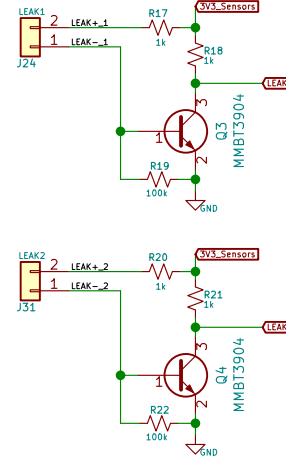
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Size: A4	Date:	Version:
Drawn By:	Page: 2/5	

Peripherals

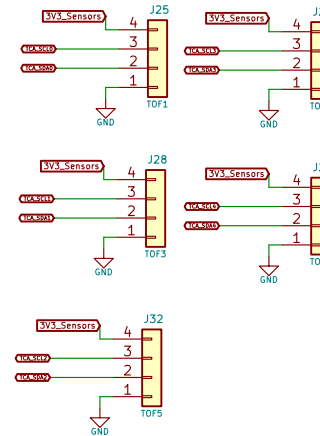


Sensors

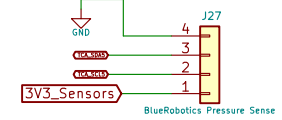
CUSTOM LEAK SENSE



TOF



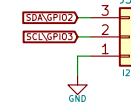
Pressure



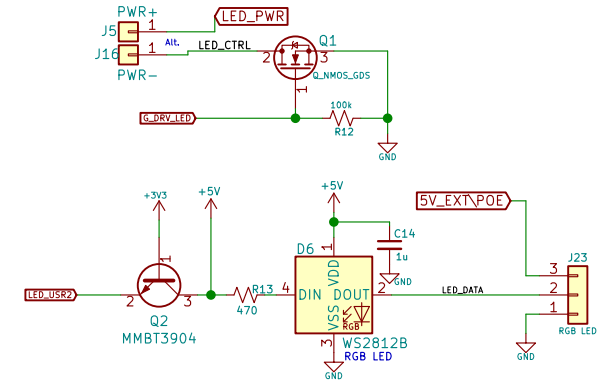
Xtra GPIO



Xtra I2C



LED Control



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FILE: SENSORS.SCH

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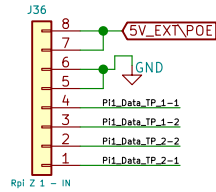
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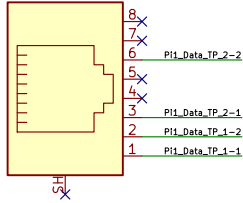
Page: 3/5



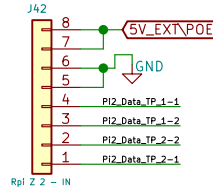
Pi Zero Cam Module 1



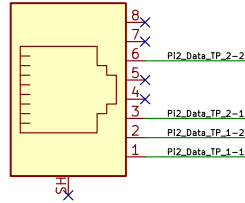
J37 Rpi Z 1 - OUT SWITCH



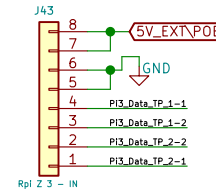
Pi Zero Cam Module 2



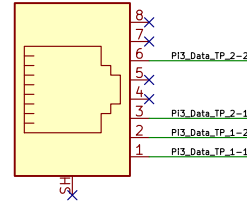
J38 Rpi Z 2 - OUT SWITCH



Pi Zero Cam Module 3



J39 Rpi Z 3 - OUT SWITCH



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THE FOLLOWING

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