

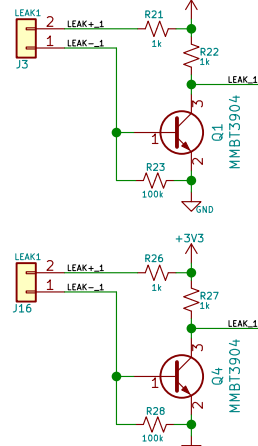
AUV Pi Expansion

40-Pin HAT Connectors

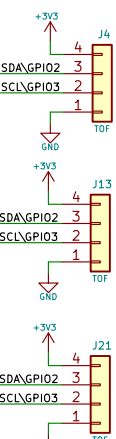
P3V3_HAT	1	40HAT	J1	2	P5V_HAT
× SDA\GPIO2	3	P3V3	P5V	4	P5V_HAT
× SCL\GPIO3	5	BCM2	P5V	6	GND
GCLK0\GPIO4	7	BCM4	GND	8	TXD\GPIO14
GND	9	BCM4	BCM14	10	RXD\GPIO15
GPIO17	11	BCM17	BCM15	12	PWM0\GPIO18
GPIO27	13	BCM27	BCM18	14	GND
GPIO22	15	BCM22	BCM23	16	GPIO23
P3V3_HAT	17	P3V3	BCM24	18	GPIO24
× MOSI0\GPIO10	19	BCM10	GND	20	GND
× MISO0\GPIO9	21	BCM9	BCM25	22	GPIO25 ×
× SCLK0\GPIO11	23	BCM11	BCM8	24	CE0\GPIO8 ×
GND	25	GND	BCM7	26	CE1\GPIO7
ID_SD_EEPROM\GPIO0	27	BCM0	BCM1	28	ID_SC_EEPROM
GCLK1\GPIO5	29	BCM5	GND	30	GND
GCLK2\GPIO6	31	BCM6	BCM12	32	PWM0\GPIO12
PWM1\GPIO12	33	BCM13	GND	34	GND
MISO1\GPIO19	35	BCM19	BCM16	36	GPIO16
GPIO26	37	BCM26	BCM20	38	MOSI1\GPIO20
GND	39	GND	BCM21	40	SCLK1\GPIO21

Sensors

CUSTOM LEAK SENSE



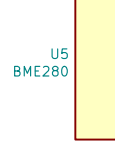
TOF



TOF



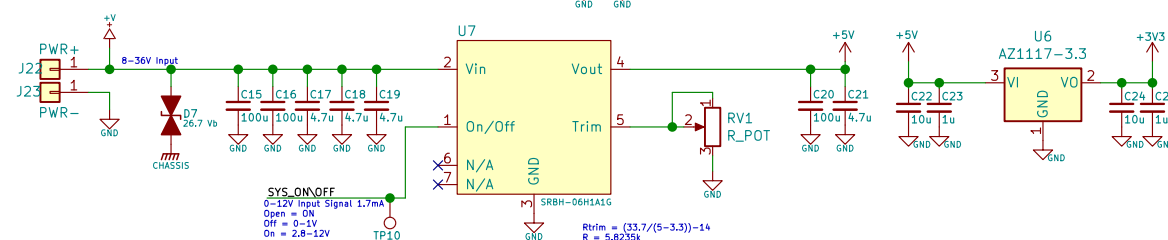
TOF



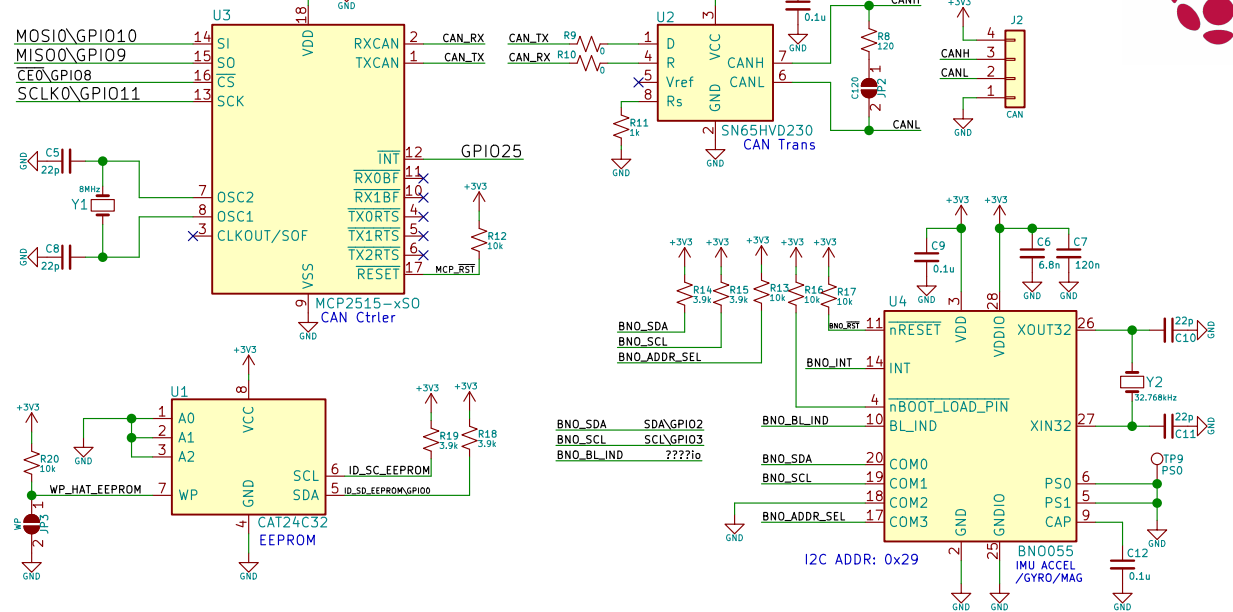
TOF



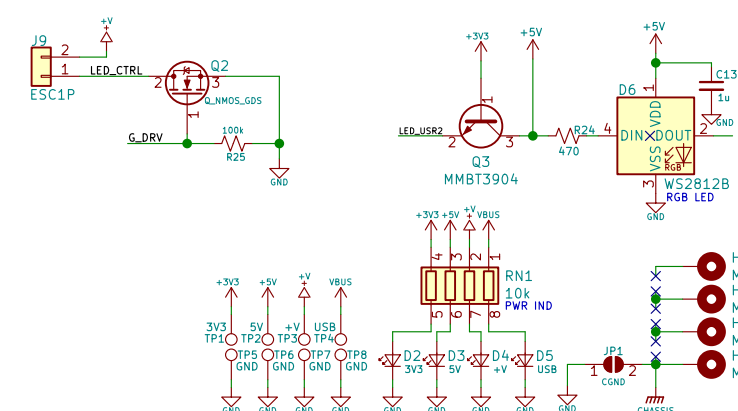
Power



Peripherals



LED Control



lucky volt

Lucky Volt

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THE AUV PI EXPANSION

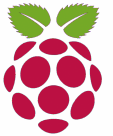
Title: AUV PI Expansion – The "Cod Fish"

Size: A4 Date: 2020-07-07

Drawn By: Mitchell Stride

Version: V1.0

Page: 1/2



- Logo18 Cod
- Logo12 Trident
- Logo15 Starfish
- Logo14 Jelly
- Logo15 Dhelmet
- Logo16 Bubble
- Logo17 Anchor
- Logo11 Shark
- Logo10 RPI
- Logo9 KiCad2
- Logo8 KiCad
- Logo7 ESD2
- Logo6 ESD1
- Logo5 luckyvolt4
- Logo4 luckyvolt3
- Logo3 luckyvolt2
- Logo2 luckyvolt1
- Logo1 SNBLOCK