AUV Pi Expansion

40-Pin HAT Connectors

	,	+OHAT	14		
P3V3_HAT	1 [P3V3	J1 P5V	2 P5V_HAT	
SDA\GPI02	3	BCM2	P5V	4 P5V_HAT	
SCL\GPI03	5	BCM2	GND	6 GND	
GCLKO\GPIO4 LED_USR1	7	BCM4	BCM14	8 TXD\GPI014	
GND	9	GND	BCM14	10 RXD\GPI015	
LOADO) GPIO17	11	BCM17	BCM18	12 PWM0\GPI018	IICD 7
GPID27	11 13 15	BCM27	GND		
LEAK_2 PRIVILE HAT	15	BCM27	BCM23	16 GPI023	INT.
P3V3_HAT	×17	P3V3	BCM24	18 GPI024 BNO	
MOSI0\GPI010 MOSI0\GPI010	^19	BCM10	GND		
MISON CRICO MISON GPIO9	21	BCM10	BCM25	22 GPI025 (BNO	DCT
SCLKO\GPI011	21 23	BCM11	BCM23	24 CEO GPIO8	N CDIOS
GND	25	GND	BCM7		
ID_SD_EEPROM\GPIOO	× 27	BCM0	BCM7	28 ID_SC_EEPROM_ID_	CC EEDDOM
	^ 29	BCM5	GND		
	31	BCM6	BCM12	32 PWM0\GPI012	W. 1501
GCLK2\GPI06 PWM1\GPI012 PWM1\GPI012	31 33	BCM13	GND	.54	
MISULGPIOLG	× 35	BCM19	BCM16	36 GPI016	TEND
GPI026	^ 37		DCMJO	38 MOSI1\GPI020	JEMP]
GND	39			40 SCLK1\GPI021	
GPI026	37	BCM19 BCM26	BCM16 BCM20 BCM21	38 × MUSII\GPIUZU	JEMP]

*GCLK2\GPI06 INT for CAN, not important

Sensors

Sensors

File: Sensors.sch

Sheet: Interface

Interface

File: Interface.sch

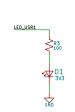
Sheet: Power
Power

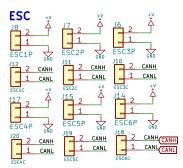
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File: Power.sch



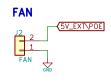


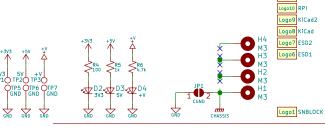


Logo18 Cod

Logo14 Jelly

Logo16 Bubble







Lucky Volt

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Title: AUV PI	Expansion — The "Cod Fish"	
Size: A4	Date: 2020-07-07	

 Size: A4
 Date: 2020-07-07
 Version: V1.0

 Drawn By: Mitchell Stride
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