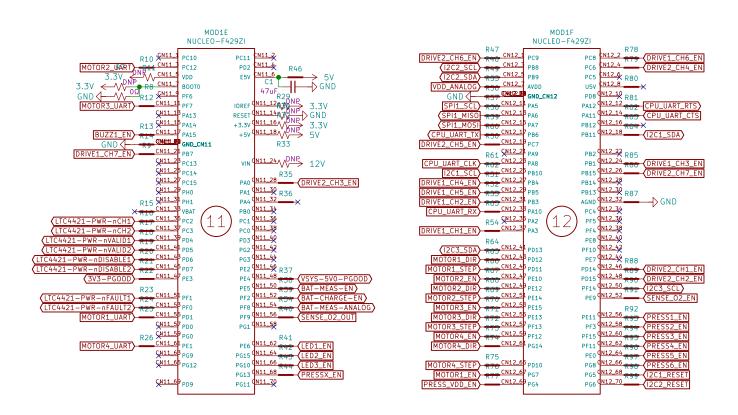
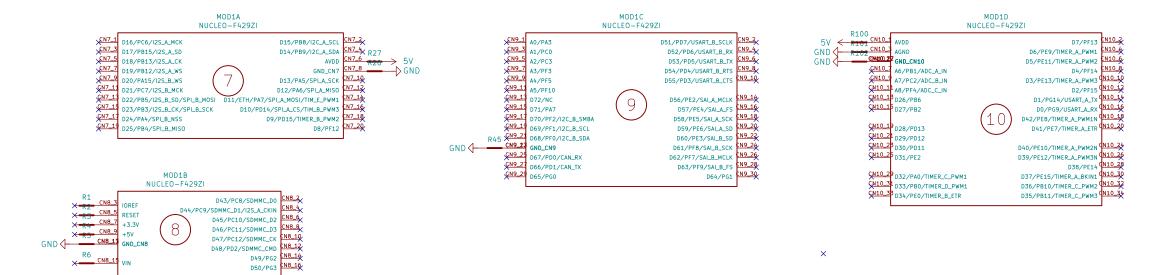


Microcontroller Module

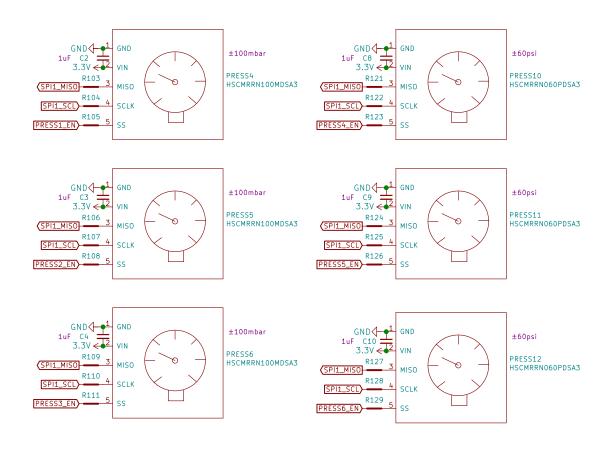


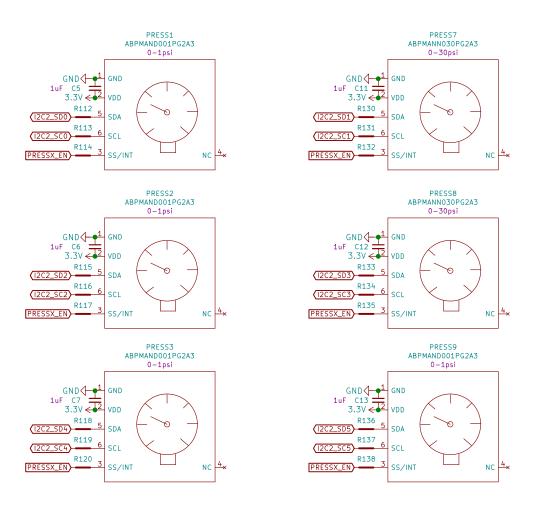


GND_CN8

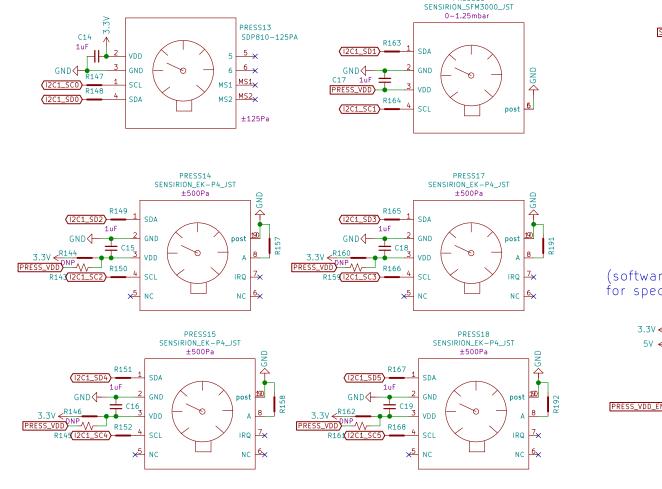
		Sheet: /Microcor File: Microcontro		Chris3Arca	dia
		Title: Pufferfish Controller			
	Duffarfiala	Size: User	Date: 2020-06-03		Rev: 1.0
	Puttertish	Size: User Date: 2020-06-03 KiCad E.D.A. kicad (5.1.5-0-10_14)			ld: 2/5
Т		6		7	8

Pressure Sensors



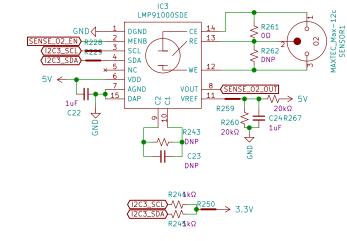


Flow Sensors

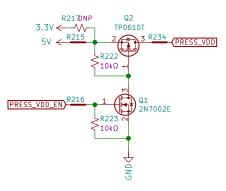


(for

Oxygen Sensor

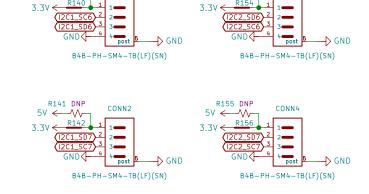


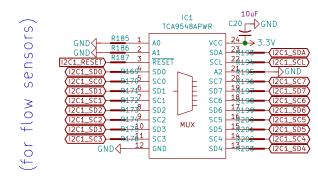
(software resettable power supply for specified pressure sensors)

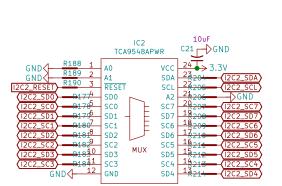


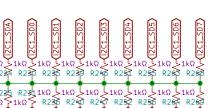
Multiplexer for I2C Sensors

(unused I2C lines are routed to JST connectors for off board devices)

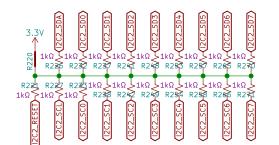


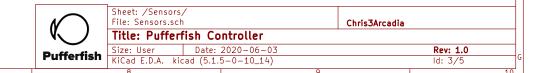






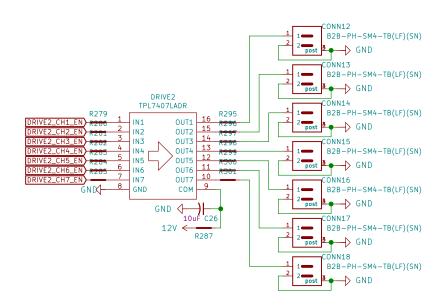
(pull-up resistors)



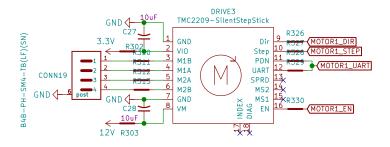


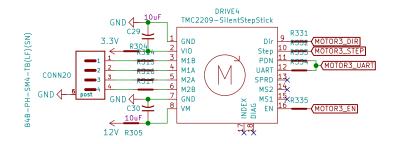
Solenoid Drivers

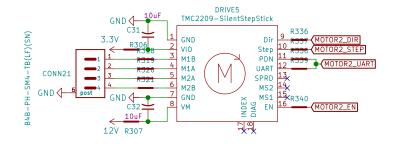
B2B-PH-SM4-TB(LF)(SN) **∮** GND B2B-PH-SM4-TB(LF)(SN) GND DRIVE1 TPL7407LADR B2B-PH-SM4-TB(LF)(SN) post 5 GND OUT3 OUT4 B2B-PH-SM4-TB(LF)(SN) GND IN6 OUT6 IN7 GND OUT7 B2B-PH-SM4 COM B2B-PH-SM4-TB(LF)(SN) GND ⟨→) ONN10 12V R286 B2B-PH-SM4-TB(LF)(SN) B2B-PH-SM4 CONN11 B2B-PH-SM4 B2B-PH-SM4-TB(LF)(SN)

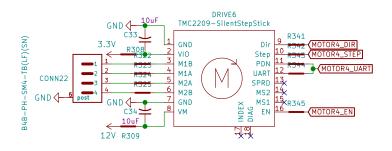


Motor Drivers



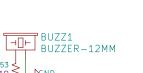






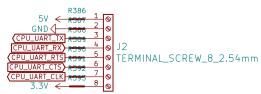
Pufferfish

Sheet: /Actuator File: Actuators.so	•	Chris3Arcadia		
Title: Pufferf	fish Controller			
Size: User	Date: 2020-06-03		Rev: 1.0	
KiCad E.D.A. kicad (5.1.5-0-10_14)			ld: 4/5	



LOGO

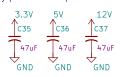
Indicators Alarms Logo MCU to CPU



(supply line access)

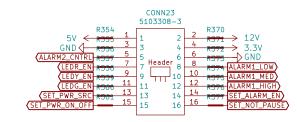


(bypass capacitors)

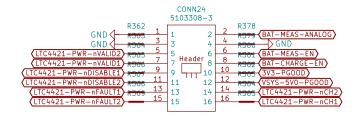


Dials & Buttons (moved to interface board)

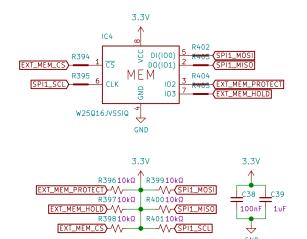
Power Supply MCU to Interface Board



MCU to Power Board



Memory





	1				
	Sheet: /Peripheral/				
١	File: Peripheral.sch		Chris3Arcadia		
	Title: Pufferfish Co	ntroller			
sh		2020-06-03		Rev: 1.0	
sn	KiCad E.D.A. kicad (5.1.5-0-10_14)			ld: 5/5	