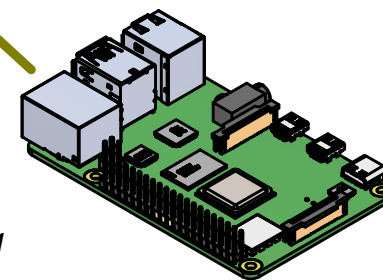


PART NO. **2302-01200-00001**  
4 THRUSTER SMALL ROV  
[https://github.com/holmch11/CVHS\\_ROV/tree/Production/SUB](https://github.com/holmch11/CVHS_ROV/tree/Production/SUB)

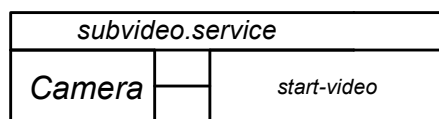


PART NO. **RPI4-MODELB-2GB-R1**  
RASPBERRY PI 4 2GB  
[https://github.com/holmch11/CVHS\\_ROV/tree/Production/CONTROL](https://github.com/holmch11/CVHS_ROV/tree/Production/CONTROL)

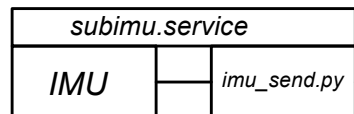
NOTE:  
All \*.service files are stored at boot by systemd.  
When logged into system status can be checked  
with **systemd status sub\***

SUB PI 192.168.2.3

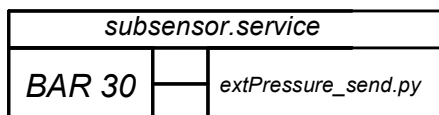
CONTROL PI 192.168.2.2



TCP PORT 5600

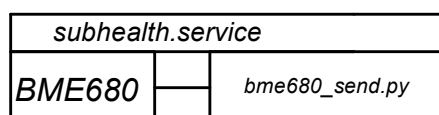


TCP PORT 5610

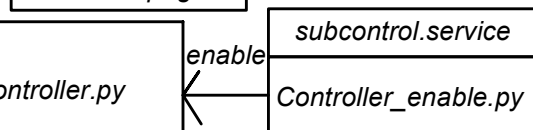
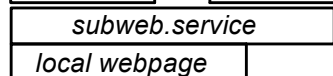


TCP PORT 5620

<https://github.com/holmch11/ms5837-python>



TCP PORT 5630

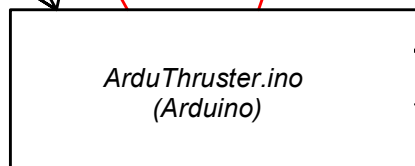
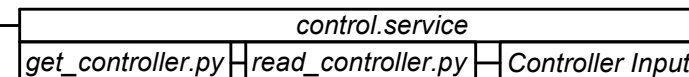


TCP PORT 5640

UDP PORT 5650

Battery Status

activate.py



Battery Read

Thruster  
Control

A OR B

**Oregon State University**

INTERPRET DRAWING IAW  
ASME Y14.100-2004

UNLESS OTHERWISE NOTED:  
DIMENSIONS IN INCHES  
TOLERANCES:

DECIMAL	ANGLE	FRACTION
.x ± 0.1	± 1 deg	± 1/32
.xx ± 0.01		
.xxx ± 0.005		

BREAK ALL SHARP EDGES R0.02 MIN

REVISION HISTORY			
REV	DATE	DESCRIPTION	APPROVED
A	9/9/2024	INITIAL RELEASE 1.0.0	G HOLLINGER
REFERENCE DESIGNATOR		OREGON STATE UNIVERSITY ROBOTICS MECHANICAL, INDUSTRIAL, AND MANUFACTURING ENGINEERING 204 ROGERS HALL 2000 SW MONROE AVE, CORVALLIS, OR, 97331-5503 CHRIS HOLM holmch@oregonstate.edu 541-737-8299 O 503-999-5268 C	
DESIGN	DATE	TITLE <b>CVHS 4 THRUSTER ROV COMPLETE ASSEMBLY</b>	
C HOLM	6/5/2023		
DRAFT	DATE		
C HOLM	9/9/2024		
CHECKED	DATE	SIZE A DWG NO 2302-51200 REV A	
C HOLM	9/9/2024		
APPROVED	DATE		
G HOLLINGER	9/9/2024	NOT TO SCALE	
MFG APPROVAL	DATE	SHEET 1 OF 1	
N/A			