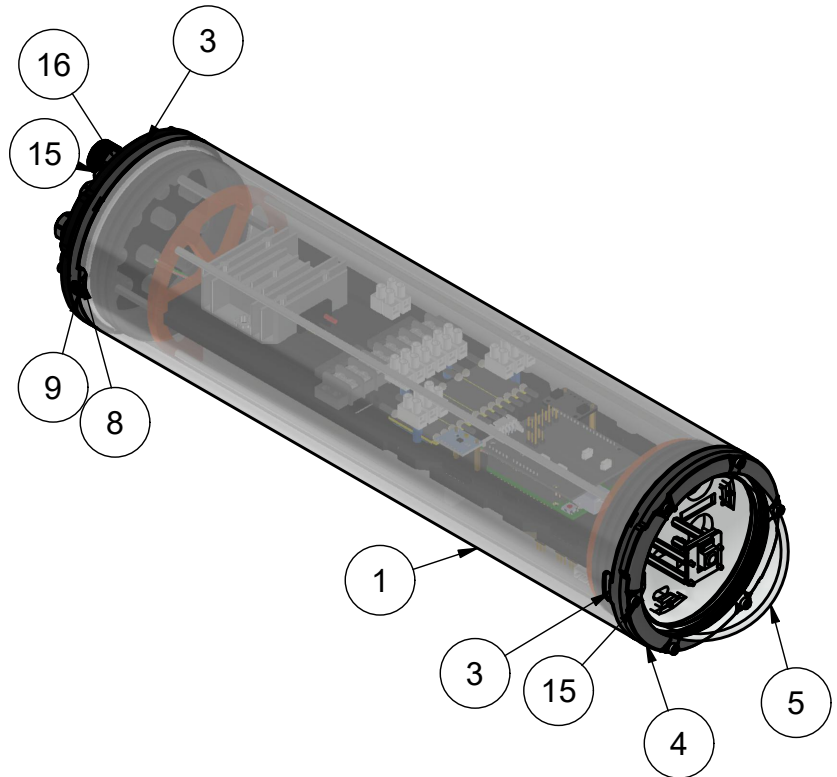



	8	7	6	5	4	3	2	1
F	Parts List							
	ITEM	QTY	PART NUMBER	DESCRIPTION				
	1	1	2301-07200-10002	WTE4-P-LOCKING-TUBE-400-R2				
	2	1	CHNS 4S Lipo	CNHL 4S LIPO BATTERY 9500mAh 14.8V 90C				
	3	2	2301-07200-00003	ANODIZED ALUMINUM 4" FLANGE END CAP				
	4	1	2302-07200-00004	4" DOME RETAINING RING				
	5	1	2302-07200-00005	100mm 4" ACRYLIC DOME END CAP				
	6	2	2301-07200-00006	4" END CAP FACE O-RING 154 BUNA-N 70A				
	7	4	2301-07200-00020	Oil-Resistant Buna-N O-Ring 1302N706				
	8	2	2302-07200-00007	BLUE ROV 4" TEFLON LOCKING CORD				
	9	2	2302-07200-00008	BLUE ROBOTICS LOCKING CORD HANDLE				
E	10	2	2302-07200-00009	BLUE ROBOTICS LOCKING CORD SET SCREW				
	11	1	2302-01202-00002	REAR ELECTRONICS SLED MOUNT RING				
	12	1	2302-01202-00003	ELECTRONICS MOUNT SLED BASE				
	13	1	2302-01202-00004	MULTI-CAMERA FWD ELECTRONICS MOUNT RING				
	14	4	2302-01202-00006	STANDOFF M3-0.5 X 321.7mm				
	15	12	M3X0.5-12-SS316-SOCKET-HEAD-CAP-SCREW_92290A117	316 SS HEX HEAD SOCKET CAP SCREW M3-0.5 X 12mm				
	16	1	2301-07200-10010	WTE4-END-CAP-10XM10-R2				
D	17	4	2302-01202-00005	Aluminum Male-Female Threaded Hex Standoff M3-0.5 X 25mm				
	18	1	2301-07200-00018	8 POSITION BARRIER BLOCK TERMINAL BLOCK				
	19	4	2301-07200-00016	TERMINAL STANDOFF M2.5-0.45 X 14mm FF				
	20	1	2301-07200-00017	9 POS EURO BLOCK 7618K616				
	21	1	2300-024716-00001	MS 8607 TEMP,PRESS, AND HUMIDITY SENSOR				
	22	1	2300-0290607-00001	60W BUCK CONVERTER 12-24V to 5V 5Amp				
	23	1	2300-02521-00001	HILETGO IMU				
C	24	4	2302-01202-00008	BRASS STANDOFF M2 X 16mm				
	25	4	2301-07202-00001	BASIC ELECTRONIC SPEED CONTROLLER				
	26	1	2300-025647-00001	5MP RASPBERRY PI CAMERA				
	27	1	PRV-M10-ASM-R1-RP	M10 PRESSURE RELIEF VALVE				
	28	1	BAR30-ASM-R2	BLUE ROBOTICS BAR 30 PRESSURE SENSOR				
	29	2	WL-BLANK_WL-M10-BLANK	M10 BLANK PLUG				
	30	4	WLP-BULKHEAD_WLP-M10-BULKHEAD-6.5MM-PUBLIC	M10 PRESSURE RELIEF VALVE				
	31	2	2302-01202-00007	Male-Female Threaded Hex Standoff M3-0.5 X 5mm 18-8SS				
B	32	1	RPI4-MODELB-2GB-R1	RASPBERRY PI 4 2GB				
	33	1	2302-30202-00001	RASPBERRY PI ROV HAT				
	34	1	2302-303202-00001	ARDUINO UNO ROV HAT				
	35	2	2302-01202-00010	TERMINAL BLOCK CLIP INSULATOR				
	36	1	2302-01202-00011	9 POS EURO BLOCK 7618K616				
	37	1	2200-02010-00001	ARDUINO UNO REV3				
	38	4	2302-01202-00012	Brass M2-0.4 x 30mm Standoff				
	39	2	2301-07200-00022	9 POS EURO BLOCK 7618K616				
	40	4	WLP-PLUG_WLP-PLUG-6.5MM-LC-PUBLIC					
A	41	1	WLP-M10-7.5MM-HC	M10 7.5MM HC BR TETHER WETLINK PENETRATOR				
	42	1	WLP-M10-4.5MM-LC	WET LINK PENETRATOR M10 4.5MM LC				



PART NO. 2302-01202-00001
MAIN ELECTRONICS BOTTLE ASSEMBLY

 <div>Oregon State University</div>	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 CVHS ROV ELECTRONICS BOTTLE ASSEMBLY																
	C HOLM	3/8/2023																	
INTERPRET DRAWING IAW ASME Y 14.100-2004	DRAFT	DATE	SIZE A				DWG NO 2302-01202		REV A										
	C HOLM	9/6/2024																	
UNLESS OTHERWISE NOTED: DIMENSIONS IN INCHES TOLERANCES: <table><tr><td><u>DECIMAL</u></td><td><u>ANGLE</u></td><td><u>FRACTION</u></td></tr><tr><td>.x + 0.1 - 0.1</td><td>± 1 deg</td><td>± 1/32</td></tr><tr><td>.xxx ± 0.005</td><td></td><td></td></tr></table>	<u>DECIMAL</u>	<u>ANGLE</u>	<u>FRACTION</u>	.x + 0.1 - 0.1	± 1 deg	± 1/32	.xxx ± 0.005			CHECKED	DATE	NOT TO SCALE						SHEET 1 OF 5	
	<u>DECIMAL</u>	<u>ANGLE</u>	<u>FRACTION</u>																
	.x + 0.1 - 0.1	± 1 deg	± 1/32																
.xxx ± 0.005																			
C HOLM	9/6/2024																		
	APPROVED	DATE																	
	G HOLLINGER	9/6/2024																	
	MFG APPROVAL	DATE																	
	N/A																		



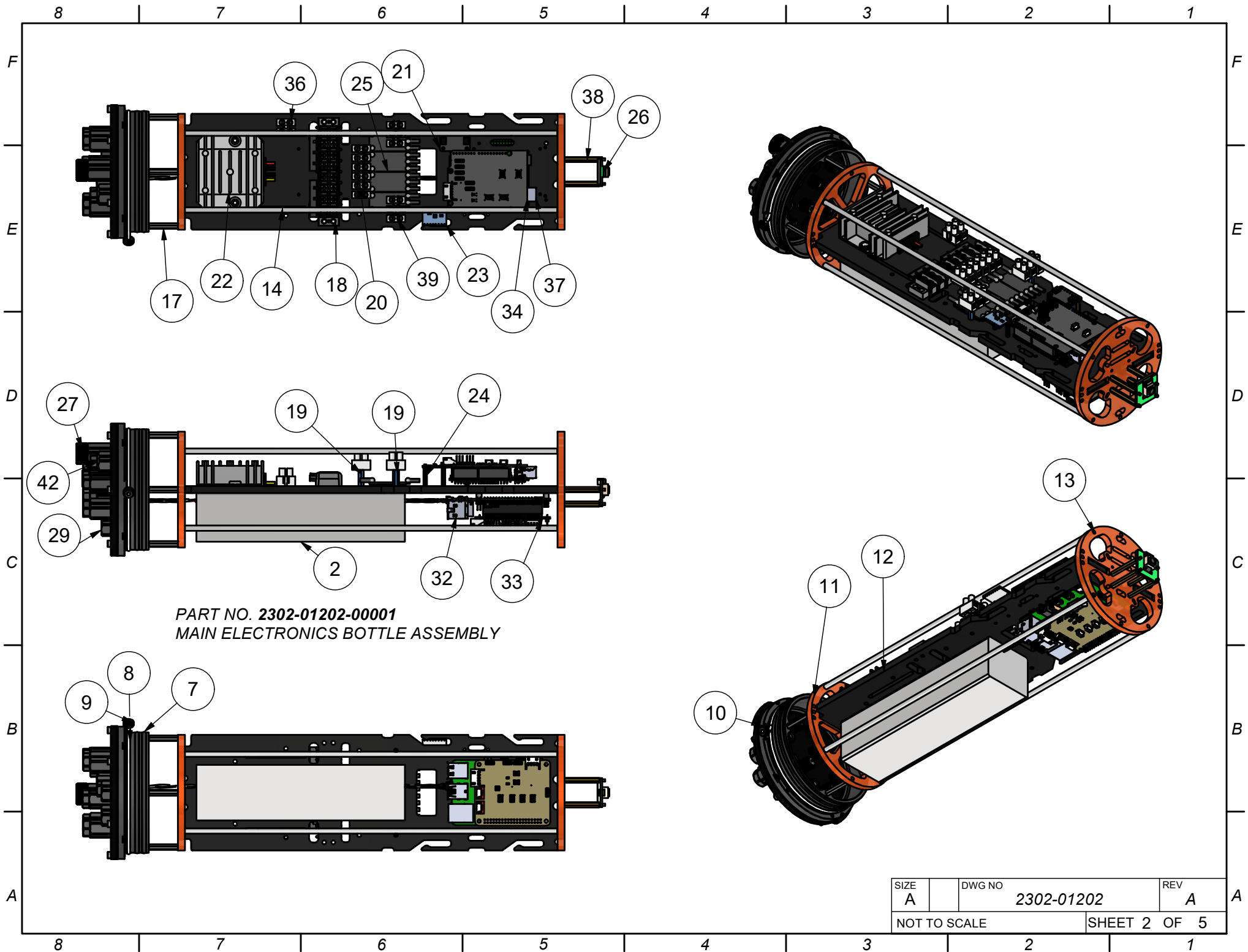
Oregon State University

INTERPRET DRAWING IAW
 ASME Y14.100-2004

UNLESS OTHERWISE NOTED:
 DIMENSIONS IN INCHES
 TOLERANCES:

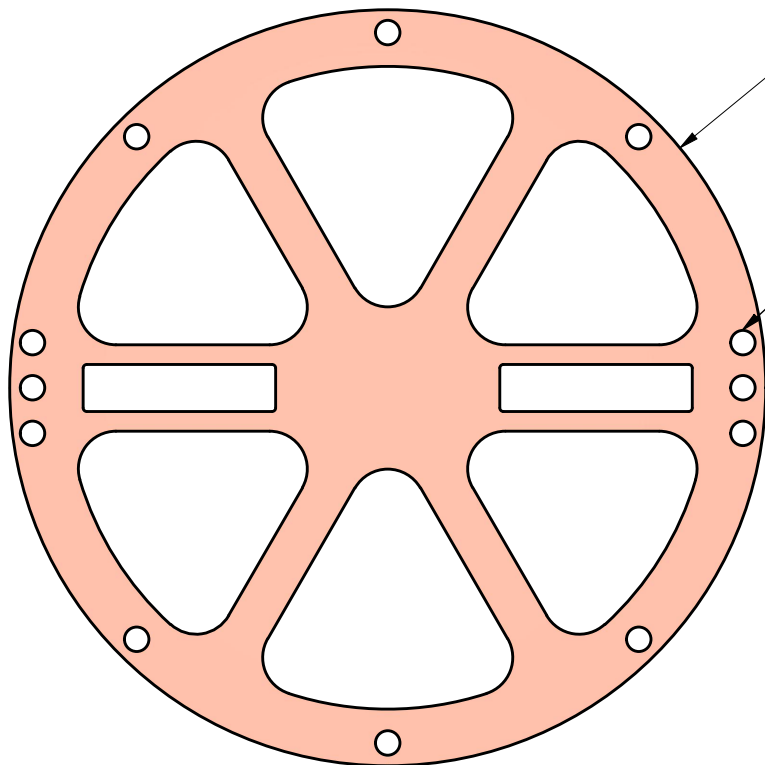
DECIMAL	ANGLE	FRACTION
.x ± 0.1	± 1 deg	± 1/32
.xx ± 0.01		
.xxx ± 0.005		

BREAK ALL SHARP EDGES R0.02 MIN



8 7 6 5 4 3 2 1

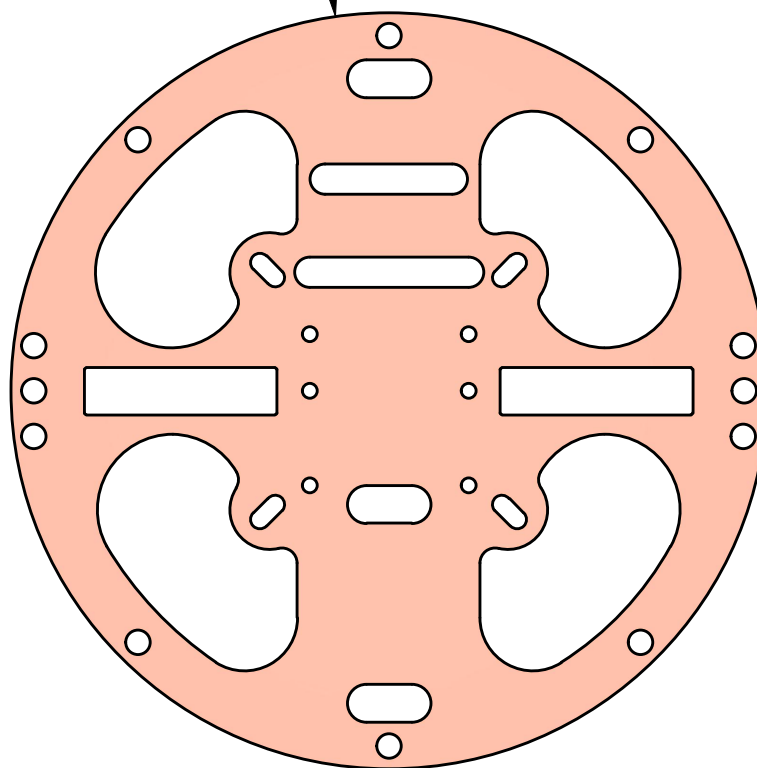
NOTE:
LASER CUT ~0.25 FLUORESCENT ORANGE CAST ACRYLIC, DXF AVAILABLE ON REQUEST



Ø3.937

CAN BE USED WITH EXTRA STANDOFFS TO STIFFEN ELECTRONIC PLATE

PART NO. 2302-01202-00002
REAR ELECTRONICS SLED MOUNT RING
MATERIAL: ACRYLIC, CAST SHEET

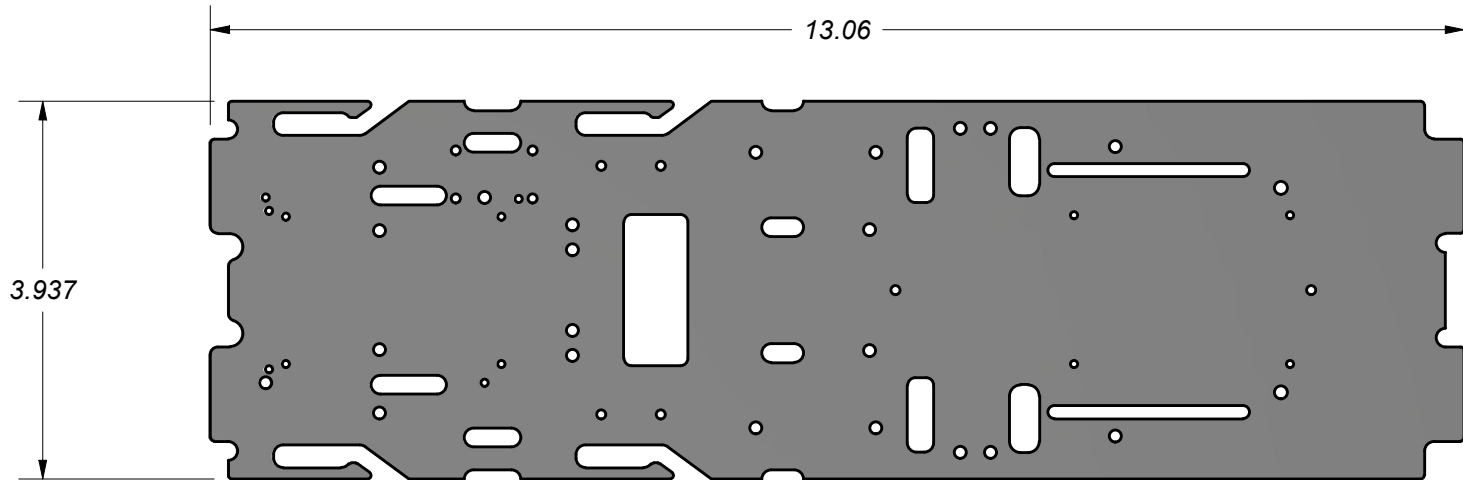


Ø3.937

PART NO. 2302-01202-00004
MULTI-CAMERA FWD ELECTRONICS MOUNT RING
MATERIAL: ACRYLIC, CAST SHEET

SIZE	DWG NO	REV
A	2302-01202	A
NOT TO SCALE		SHEET 3 OF 5

8 7 6 5 4 3 2 1



PART NO. 2302-01202-00003
ELECTRONICS MOUNT SLED BASE
MATERIAL: ACRYLIC, CAST SHEET



SIZE A	DWG NO 2302-01202	REV A
NOT TO SCALE		SHEET 4 OF 5

