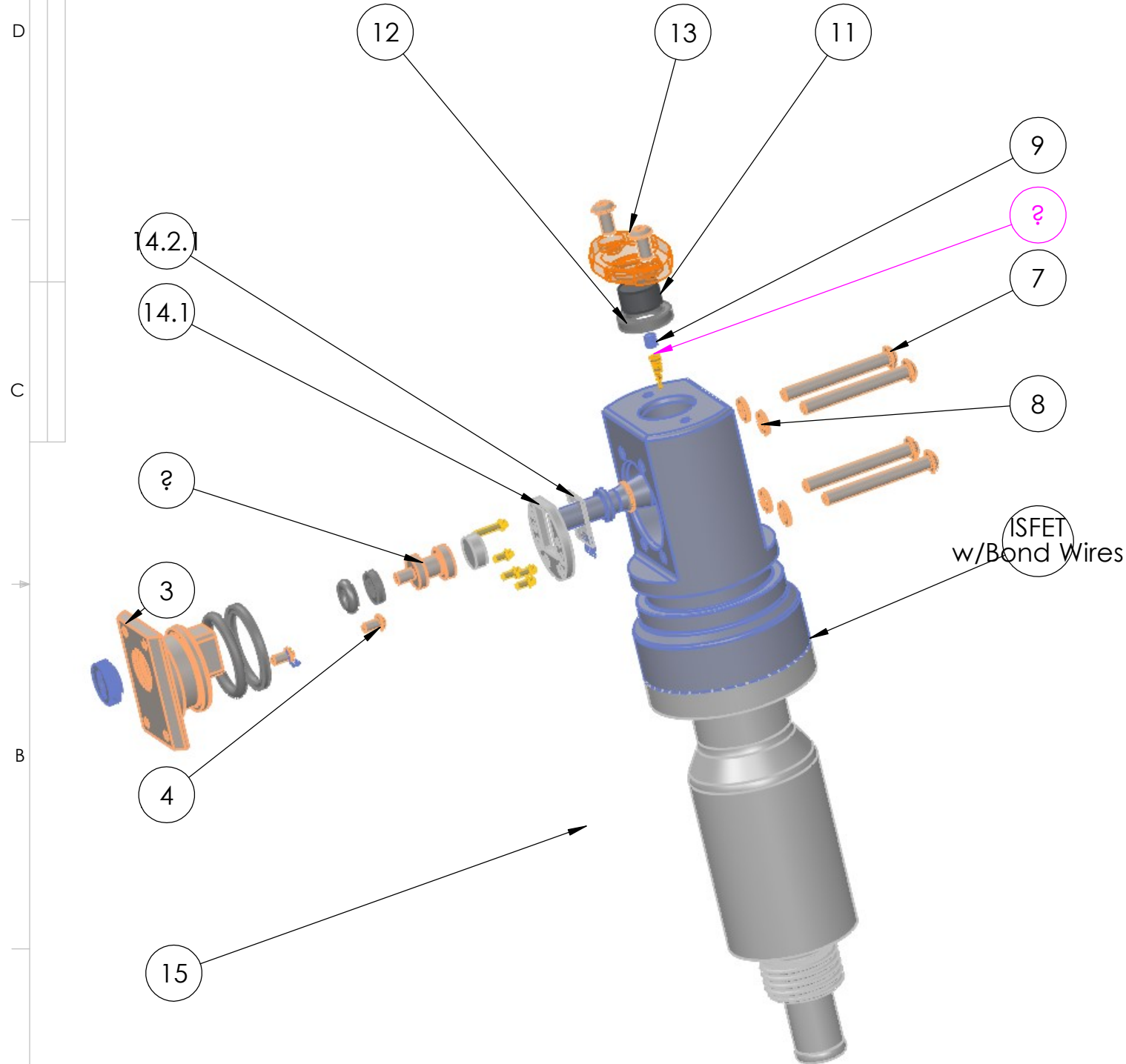
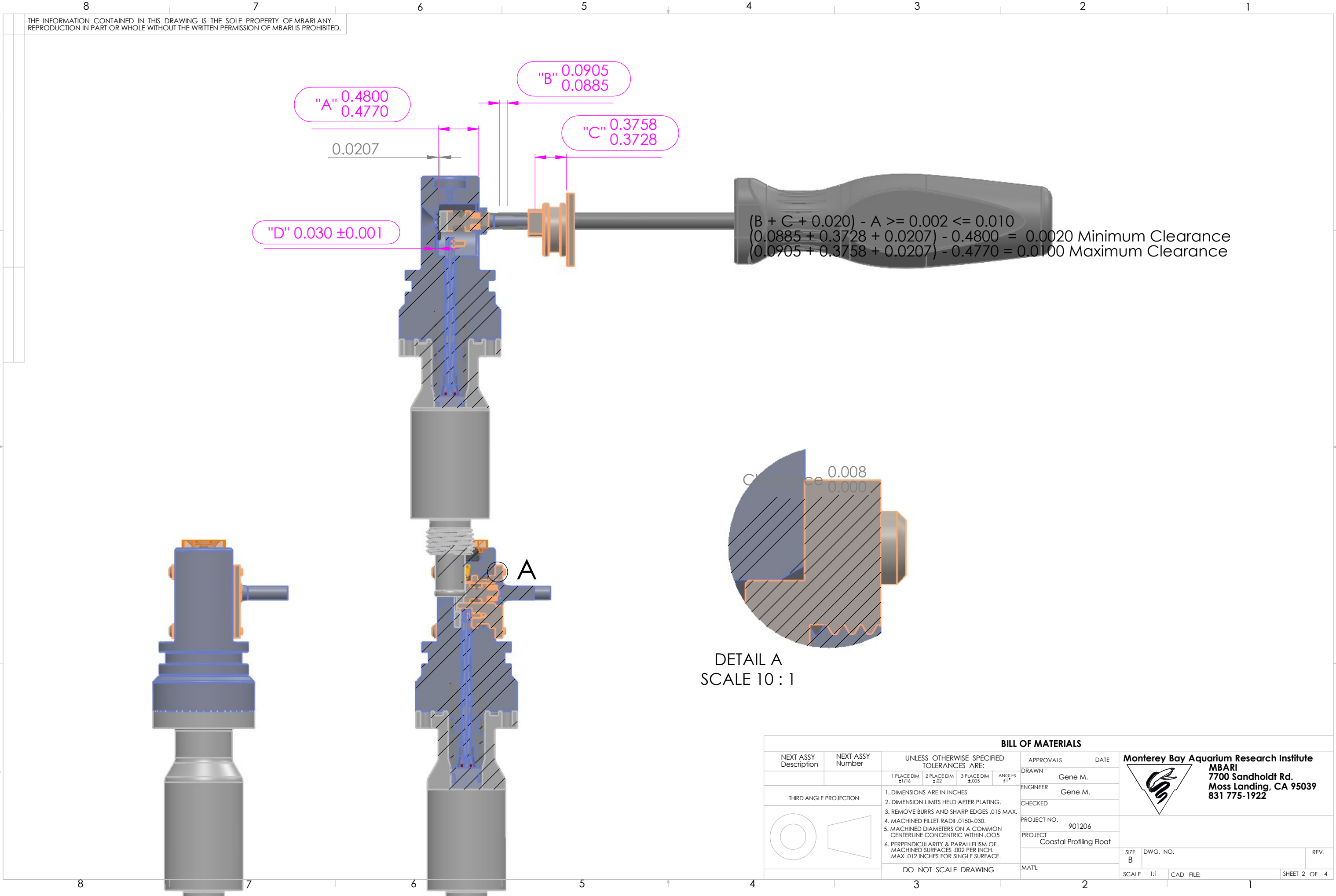


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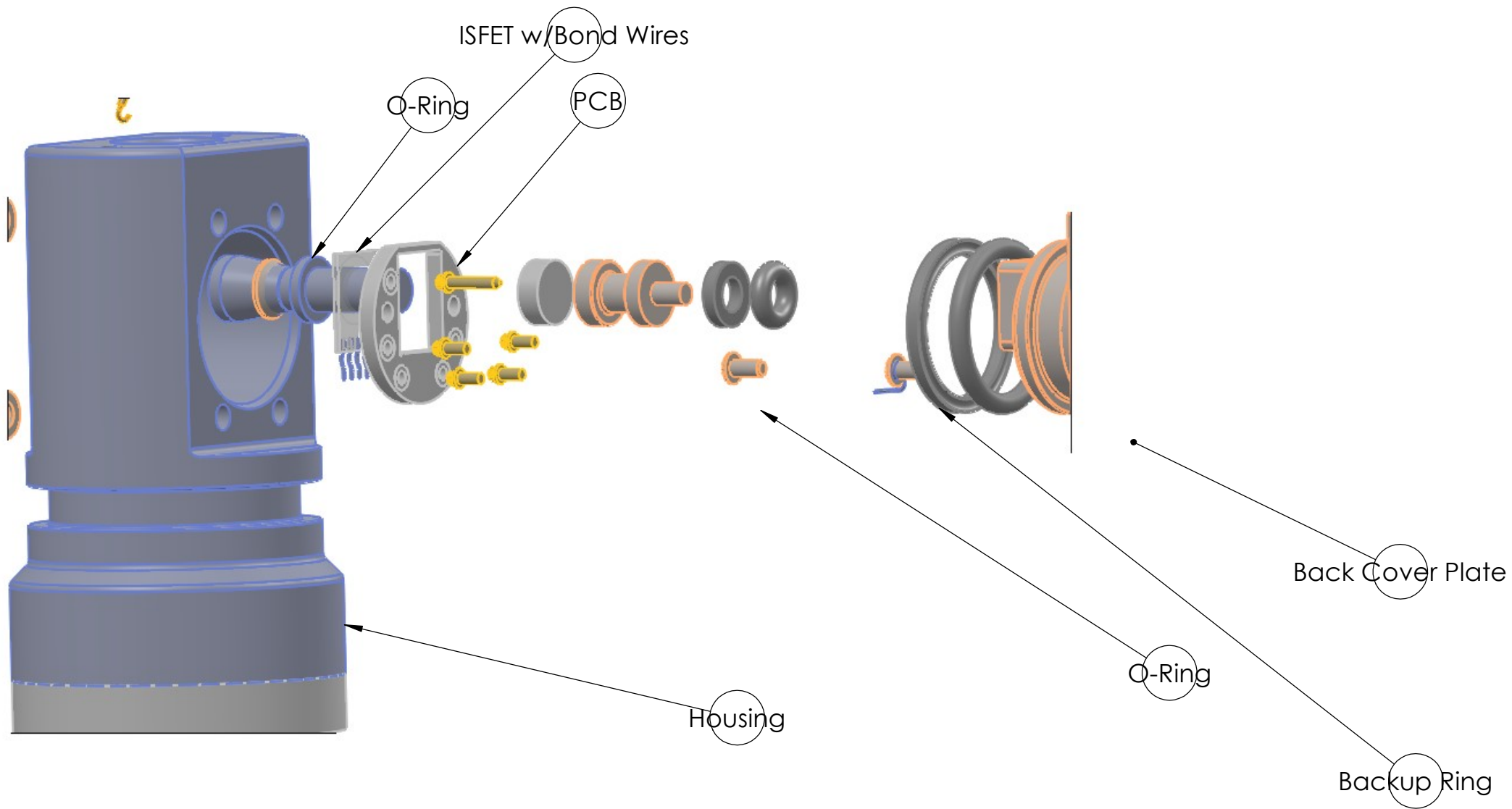


O-Ring			N O-Ring (2)	Company			
3	4		backCoverPlug2		2	1	1
4	F		sbhcscrew 0.06-80x0.125-hx-n	McMaster-Carr	92949A050		4
5			1201T25_Chemical-Resistant Viton Fluoroelastomer O-Ring	McMaster-Carr Supply Company			1
6			5288T12_Oil-Resistant Buna-N Backup Rings	McMaster-Carr Supply Company			1
7			sbhcscrew 0.086-56x0.875-hx-n				4
8	B		regular lw 0.086				4
9	F		VLPelletFuzzButton	Custom Interconnects	80-075075		1
10	F		VLPelletContact	MBARI	NA	100221688	1
10.1	I		VLPelletContactAlteredItem	Mill-Max	0286-0-00-34-00-00-03-0		1
10.2	I		Wire	Weico	2330		1
10.3	I		VLPelletWireSolder	Kester	24-6337-8808 or 24-6337-9756 or AIM SN100C		1
11	G		VLRefPelletAlteredItem	Van London	Chloride ISE Pellet 7.2mm x 4.6mm MBARI-001 use MBARI Pin and Die	100221686	1
12	F		ORingSquare-010	McMaster Carr	4061T115		1
13	H		VLRefElectrodeCap	MBARI	NA	100221687	1
14	A		LionixISFETWithBackingPlate				1
14.1			BondingPCB				1
14.2			LionixISFET				1
14.2.1	A		genericISFET				1
14.2.2			bondWireLoop				4
14.3			mill-max-7625-0-00-15-00-00-03-0				1
14.4			mill-max-7625-0-00-15-00-00-03-0				4
15			paveWire				1
16	F		SHCS Ti2-56x0.188	McMaster Carr	95435A207		2
17			paveWireRedWhite				2
18			paveWireBlue				1
19			sbhcscrew 0.086-56x0.188-hx-n				2
20			paveWireCounterElec				1
21			backingPlug				1
22			ISFETPlug				1
23			TiBellevilleSpring	McMaster-Carr Supply Company			6
24			5288T111_Oil-Resistant Buna-N Backup Rings	McMaster-Carr Supply Company			1
25			5018T115_Oil-Resistant Mil. Spec. Buna-N O-Ring	McMaster-Carr Supply Company			1
26			solderLug				1
27	B		SpringKeeper				1
28			91829A720_Slotted 18-8 Stainless Steel Precision Shoulder Screw (2)	McMaster-Carr Supply Company			1
29			90945A700_18-8 Stainless Steel Mil. Spec. Washer (1)	McMaster-Carr Supply Company			1
30			ORingInstallTool_005				1
31	H		portAdapter	MBARI	NA	100221685	1
32	G		PaveTechPenetrator	Pave Technology	NA (part of 5535)		1
33			8640K454_Easy-to-Machine Garolite LE Tube	McMaster-Carr Supply Company			1
34			1826N11_Mil. Spec. Belleville Disc Spring	McMaster-Carr Supply Company			6
35			SBHCSCREW 0.112-40x0.125-HX-N	BILL OF MATERIALS			1

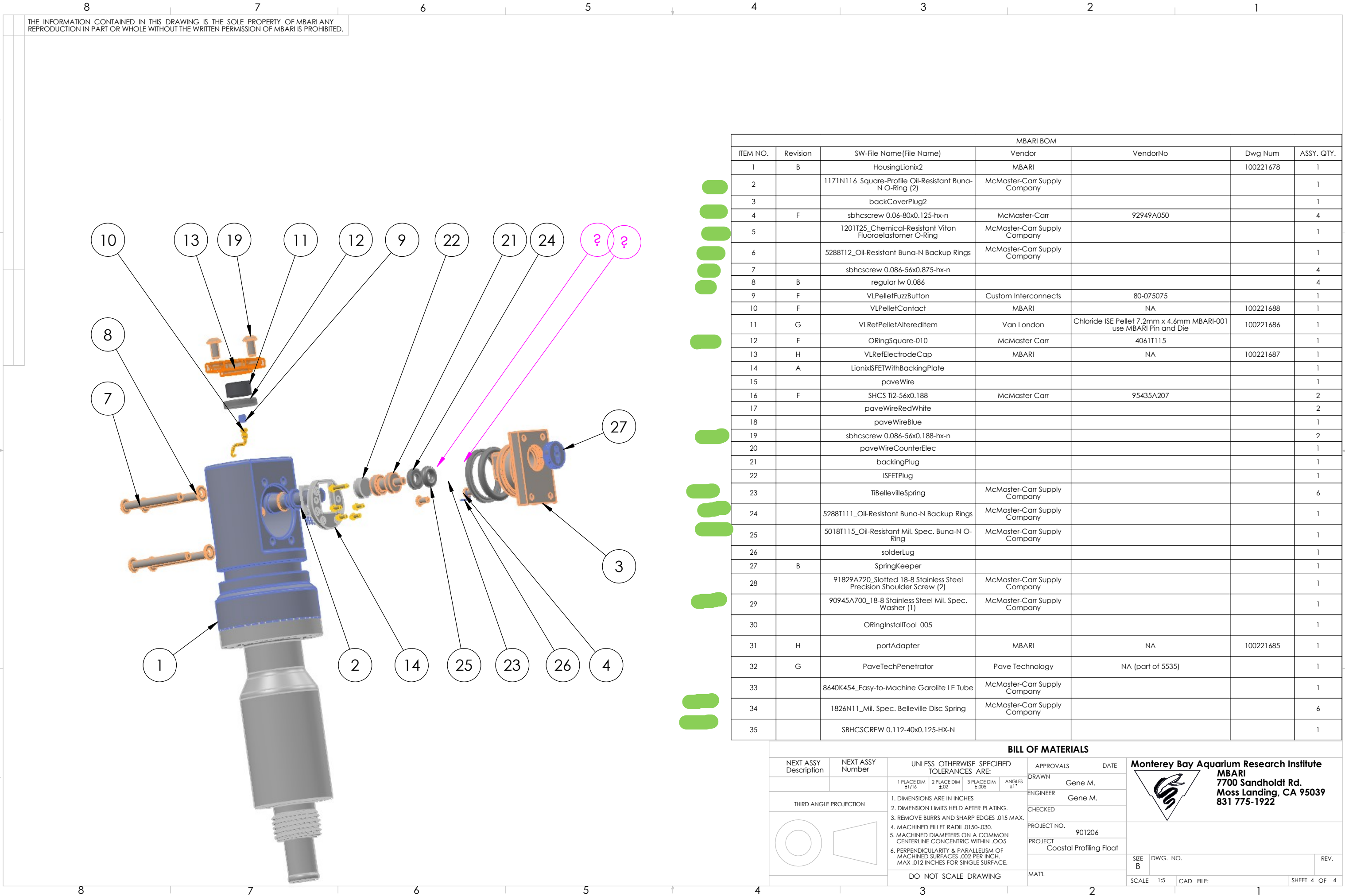
NEXT ASSY Description	NEXT ASSY Number	UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:				APPROVALS		DATE	 Monterey Bay Aquarium Research Institute MBARI 7700 Sandholdt Rd. Moss Landing, CA 95039 831 775-1922				
		1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	ANGLES ±1°	DRAWN	Gene M.						
THIRD ANGLE PROJECTION		1. DIMENSIONS ARE IN INCHES 2. DIMENSION LIMITS HELD AFTER PLATING. 3. REMOVE BURRS AND SHARP EDGES .015 MAX. 4. MACHINED FILLET RADII .0150-.030. 5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005 6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH. MAX .012 INCHES FOR SINGLE SURFACE.				ENGINEER	Gene M.						
						CHECKED							
		DO NOT SCALE DRAWING				PROJECT NO.		901206					
						PROJECT		Coastal Profiling Float					
						SIZE B		DWG. NO.		REV.			
						MAT'L		SCALE 1:2		CAD FILE:		SHEET 1 OF 4	
		3						2				1	



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BILL OF MATERIALS											
NEXT ASSY Description	NEXT ASSY Number	UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:				APPROVALS		DATE			
		1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	ANGLES ±1°	DRAWN	Gene M.	 Monterey Bay Aquarium Research Institute MBARI 7700 Sandholdt Rd. Moss Landing, CA 95039 831 775-1922			
THIRD ANGLE PROJECTION		1. DIMENSIONS ARE IN INCHES 2. DIMENSION LIMITS HELD AFTER PLATING. 3. REMOVE BURRS AND SHARP EDGES .015 MAX. 4. MACHINED FILLET RADII .0150-.030. 5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005 6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH. MAX .012 INCHES FOR SINGLE SURFACE.				ENGINEER	Gene M.				
						CHECKED					
						PROJECT NO.	901206				
						PROJECT	Coastal Profiling Float				
						MAT'L		SIZE B	DWG. NO.	REV.	
		DO NOT SCALE DRAWING						SCALE	1:2	CAD FILE:	SHEET 3 OF 4



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MBARI BOM						
ITEM NO.	Revision	SW-File Name(File Name)	Vendor	VendorNo	Dwg Num	ASSY. QTY.
1	B	HousingLionix2	MBARI		100221678	1
2		1171N116_Square-Profile Oil-Resistant Buna-N O-Ring (2)	McMaster-Carr Supply Company			1
3		backCoverPlug2				1
4	F	sbhcscrew 0.06-80x0.125-hx-n	McMaster-Carr	92949A050		4
5		1201T25_Chemical-Resistant Viton Fluoroelastomer O-Ring	McMaster-Carr Supply Company			1
6		5288T12_Oil-Resistant Buna-N Backup Rings	McMaster-Carr Supply Company			1
7		sbhcscrew 0.086-56x0.875-hx-n				4
8	B	regular lw 0.086				4
9	F	VLPelletFuzzButton	Custom Interconnects	80-075075		1
10	F	VLPelletContact	MBARI	NA	100221688	1
11	G	VLRefPelletAlteredItem	Van London	Chloride ISE Pellet 7.2mm x 4.6mm MBARI-001 use MBARI Pin and Die	100221686	1
12	F	ORingSquare-010	McMaster Carr	4061T115		1
13	H	VLRefElectrodeCap	MBARI	NA	100221687	1
14	A	LionixISFETWithBackingPlate				1
15		paveWire				1
16	F	SHCS Ti2-56x0.188	McMaster Carr	95435A207		2
17		paveWireRedWhite				2
18		paveWireBlue				1
19		sbhcscrew 0.086-56x0.188-hx-n				2
20		paveWireCounterElec				1
21		backingPlug				1
22		ISFETPlug				1
23		TiBellevilleSpring	McMaster-Carr Supply Company			6
24		5288T111_Oil-Resistant Buna-N Backup Rings	McMaster-Carr Supply Company			1
25		5018T115_Oil-Resistant Mil. Spec. Buna-N O-Ring	McMaster-Carr Supply Company			1
26		solderLug				1
27	B	SpringKeeper				1
28		91829A720_Slotted 18-8 Stainless Steel Precision Shoulder Screw (2)	McMaster-Carr Supply Company			1
29		90945A700_18-8 Stainless Steel Mil. Spec. Washer (1)	McMaster-Carr Supply Company			1
30		ORingInstallTool_005				1
31	H	portAdapter	MBARI	NA	100221685	1
32	G	PaveTechPenetrator	Pave Technology	NA (part of 5535)		1
33		8640K454_Easy-to-Machine Garolite LE Tube	McMaster-Carr Supply Company			1
34		1826N11_Mil. Spec. Belleville Disc Spring	McMaster-Carr Supply Company			6
35		SBHCSCREW 0.112-40x0.125-HX-N				1

BILL OF MATERIALS										
NEXT ASSY Description	NEXT ASSY Number	UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:				APPROVALS		DATE		
		1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	ANGLES ±1°	DRAWN	Gene M.			
THIRD ANGLE PROJECTION		1. DIMENSIONS ARE IN INCHES 2. DIMENSION LIMITS HELD AFTER PLATING. 3. REMOVE BURRS AND SHARP EDGES .015 MAX. 4. MACHINED FILLET RADII .0150-.030. 5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005 6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH. MAX .012 INCHES FOR SINGLE SURFACE.				ENGINEER	Gene M.			
						CHECKED				
						PROJECT NO.	901206			
						PROJECT	Coastal Profiling Float			
		DO NOT SCALE DRAWING				SIZE		DWG. NO.		REV.
						B				
						SCALE	1:5	CAD FILE:	SHEET 4 OF 4	

Monterey Bay Aquarium Research Institute
MBARI
7700 Sandholdt Rd.
Moss Landing, CA 95039
831 775-1922