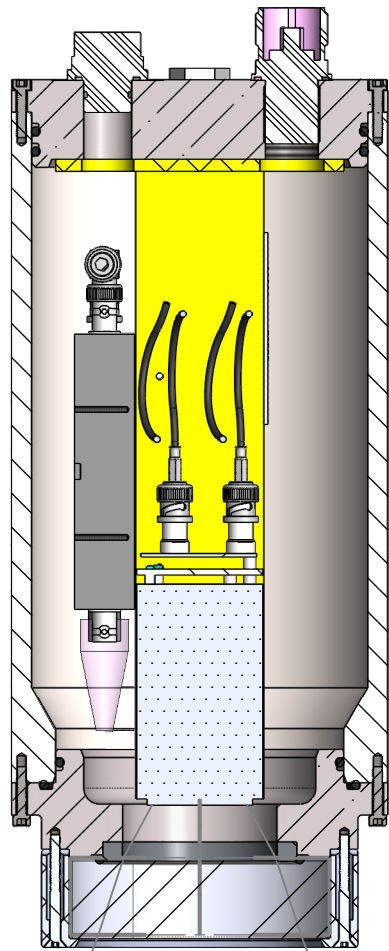
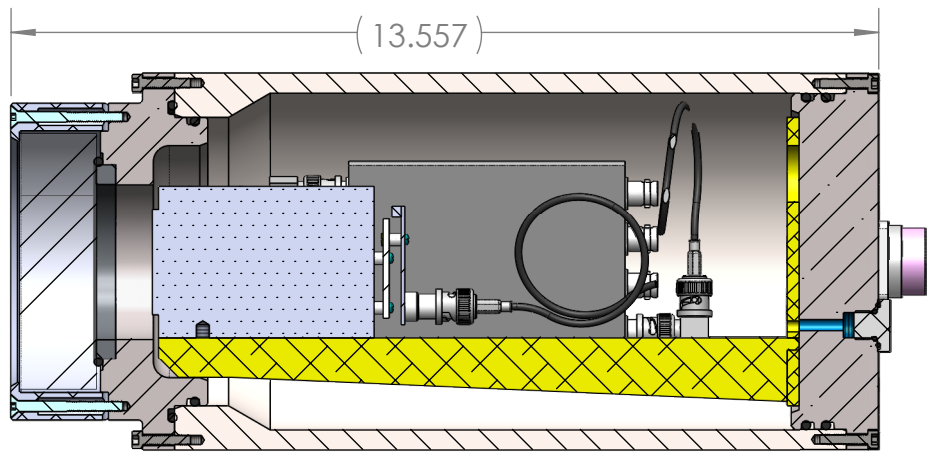
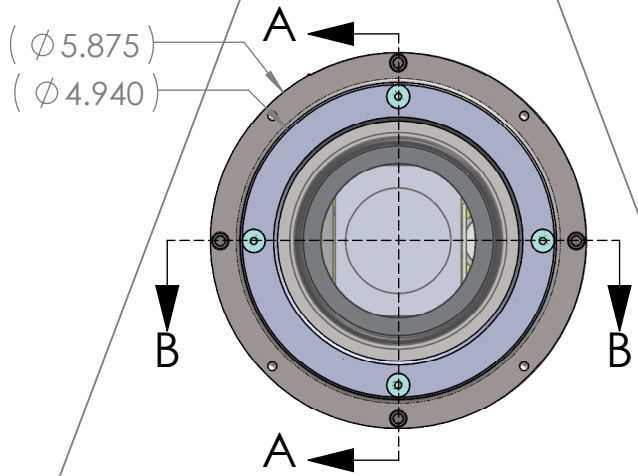
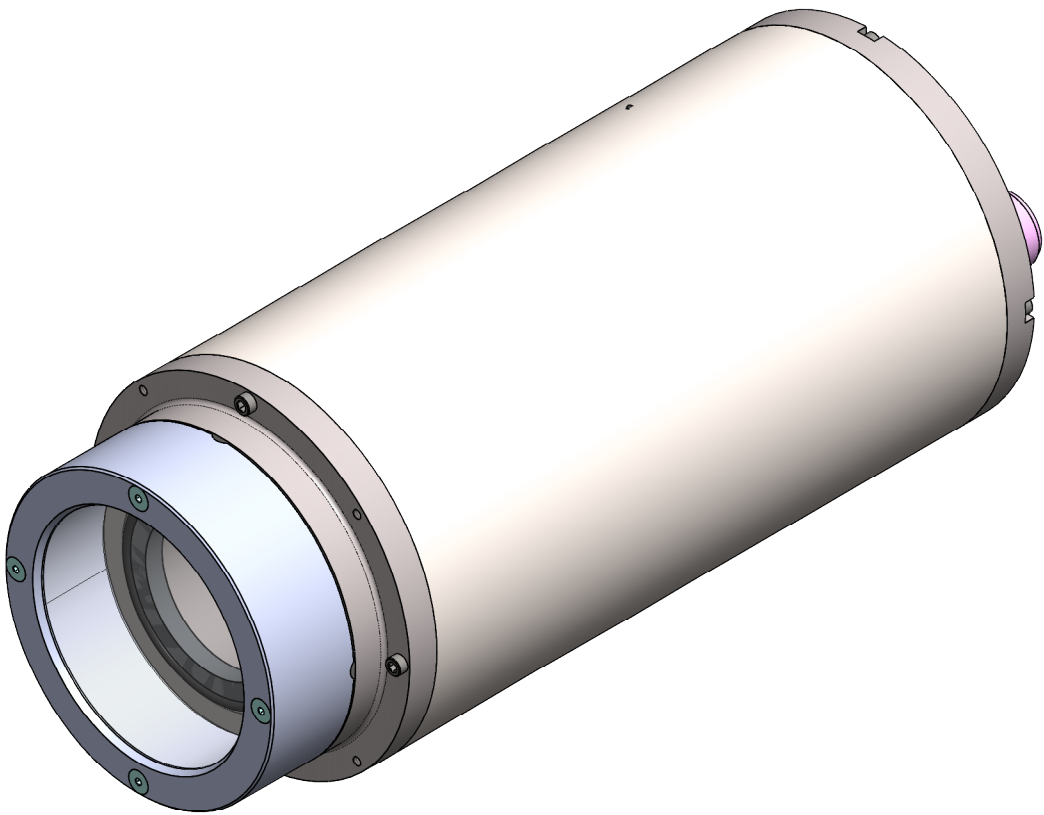


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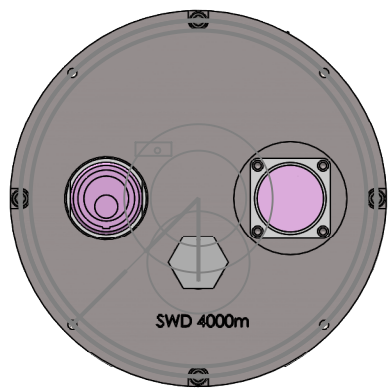
REVISIONS		
INITIAL RELEASE	X/XX/01	J.E.



SECTION B-B
SCALE 1 : 3



SECTION A-A
SCALE 1 : 3



Water Weight = 15.1007

8. SAFE WORKING DEPTH 4,000m.

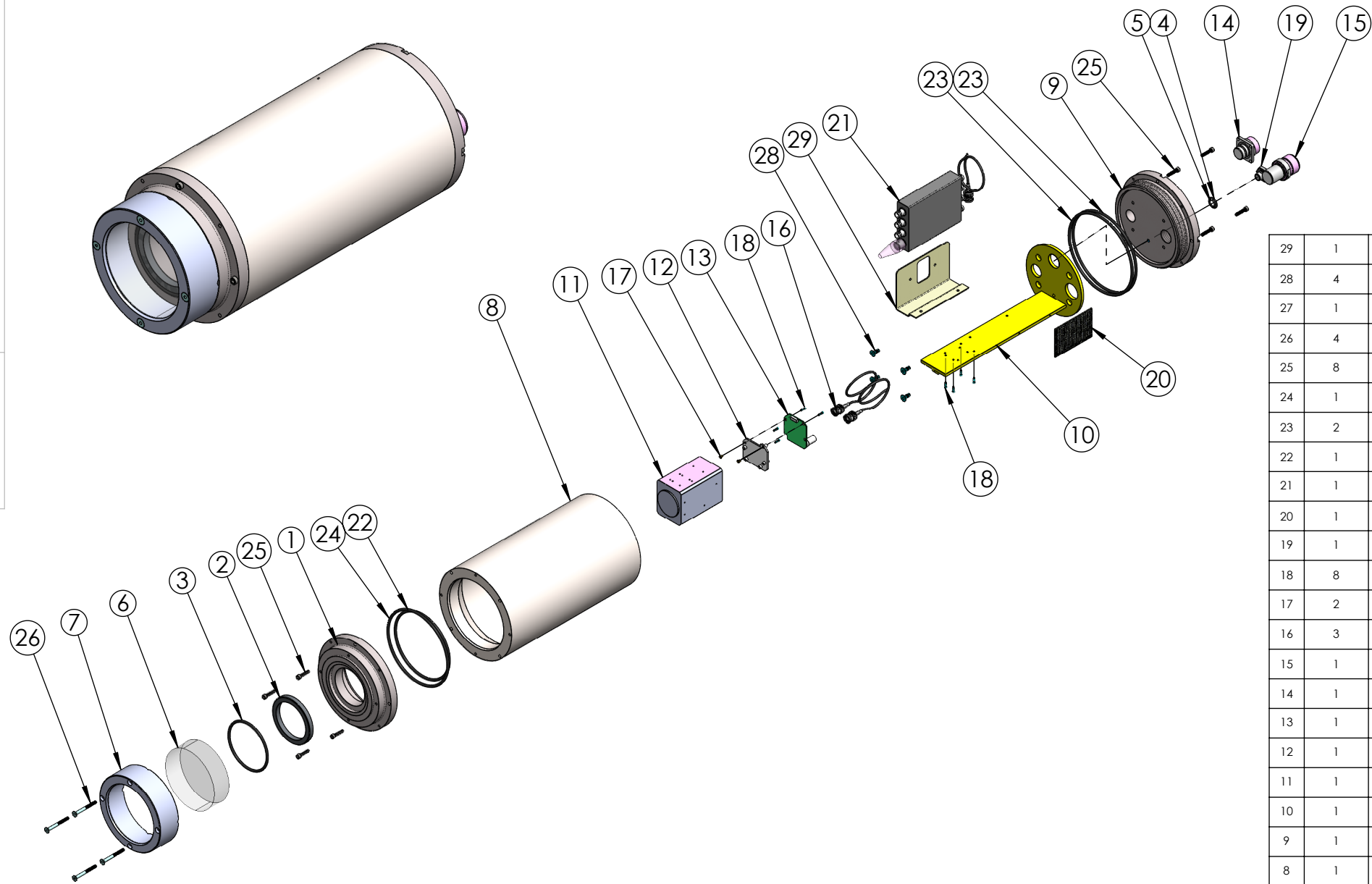
7. PROJECT LIBRARY:\901506 DeepPIV\ME Drawings\Camera Housing\Sony Box Camera FCB-EV7320

NOTES: (CONT. FROM TITLE BLOCK)

BILL OF MATERIALS										
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:				APPROVALS		DATE		
Inspector		1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	ANGLES ±1°	DRAWN	J. ERICKSON	12/16/16	Monterey Bay Aquarium Research Institute MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700 	
Shop Foreman		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	J. ERICKSON	12/16/16		
Engineer						CHECKED				
NEXT ASSY Description	NEXT ASSY Number					PROJECT NO.	901506			PIV Sony Box Camera Assembly
						PROJECT	PIV			
						WEIGHT	21.7922			
Application		DO NOT SCALE DRAWING				SCALE		1:8	CAD FILE: MECH ENG ON TORNADO	SHEET 1 OF 2
		3						2		1

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE	X/XX/00	J.E.



29	1	P-201915-17	AJA Sync Bracket		MBARI	5052-(H34) Alloy
28	4	90585A989	#1-32 x 1/2 Flt Hd Soc Screw		McMaster-Carr	AISI 316
27	1	???	BNC Right Angle Adaptor			
26	4	92210A205	#8-32 x 1.75 Flt Soc Hd Screw		McMaster-Carr	AISI 304
25	8	95435A582	#8-32 x 3/4 Soc Hd Cap Screw		McMaster-Carr	Titanium Gr2
24	1	#2-248	O-Ring			BUNA - N
23	2	#2-xxx-70N	O-RING			BUNA - N
22	1	#2-xxx-70N	O-RING			BUNA - N
21	1	???	AJA Gen10 Sync & Connectors		AJA Video Systems	
20	1		Vector Board (Perf. Board)			
19	1	1001853	Vent Plug		MBARI	Titanium 6AL-4V
18	8	90116A015	M2 x 0.4 x 8mm Rnd Hd Phill Screw		McMaster-Carr	AISI 316
17	2	94510A360	M2 x 0.4 Flanged Brass Threaded Insert		McMaster-Carr	Brass
16	3		BNC Plug - RG179			
15	1	MinK-10-FCRL	MinL BlkHd		Seacon	316 S.S.
14	1	MinK-FCR	Seacon FCR BlkHd			
13	1		HD-SDI Interface / Ext sync			
12	1	P-201883-17	InterTest Adaptor		MBARI	ABS
11	1	FCB-EV7320	Sony BOX Camera		Sony	
10	1	A-201893-17	Box Cam. Chassis Assembly		MBARI	Material <not specified>
9	1	P201877-16	Box Camera Rear End Cap		MBARI	6AL-4V Titanium
8	1	P-201875-16	Box Camera Press. Tube		MBARI	Ti-6Al-4VSolution treated and aged (SS)
7	1	P-201884-17	New Camer Window Retainer		MBARI	PE UHMW
6	1	B-380-32	four inch diameter flat glass window		EP Oceanographic, LLC	BK-7 Glass
5	1	#3-904	O-RING			BUNA - N
4	1	#2-015	O-RING			BUNA - N
3	1	#2-234-N-70	O-RING			BUNA - N
2	1	P-200943-10	MTSF Cam Port Seat		MBARI	17-4 PH Stainless Steel H900 Condition
1	1	P-201876-16	Box Camera Window End Cap		MBARI	6AL-4V Titanium
ITEM NO.	PIV/QTY.	Part_Number	DESCRIPTION	Revision	Vendor	MATERIAL

BILL OF MATERIALS

Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:				APPROVALS		DATE		Monterey Bay Aquarium Research Institute			
Inspector		1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	ANGLES ±1°	DRAWN	J. ERICKSON	12/16/16		MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700 			
Shop Foreman		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	J. ERICKSON	12/16/16					
Engineer						CHECKED							
NEXT ASSY Description		NEXT ASSY Number				PROJECT NO.		901506		PIV			
						PROJECT		PIV		Sony Box Camera Assembly			
Application		DO NOT SCALE DRAWING				WEIGHT		21.7922 lb.		SIZE B	DWG. NO. A-201874-16.DWG		REV.
										SCALE 1:12	CAD FILE: MECH ENG ON TORNADO	SHEET 2 OF 2	

7. PROJECT LIBRARY:\901506 DeepPIV\ME Drawings\Camera Housing\Sony Box Camera FCB-EV7320

NOTES: (CONT. FROM TITLE BLOCK)