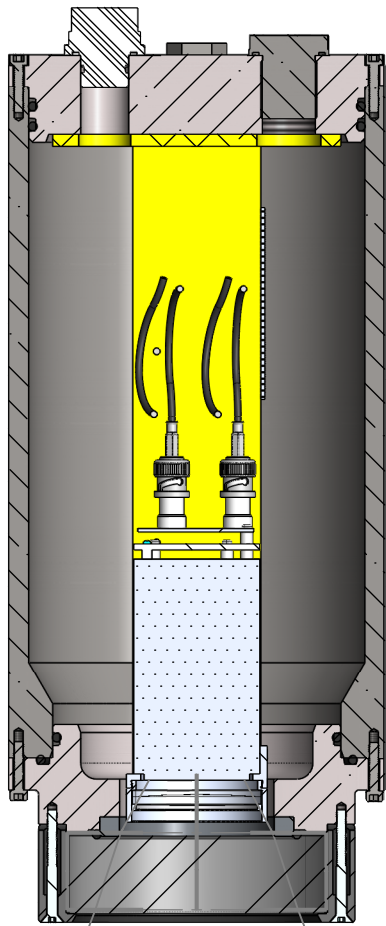


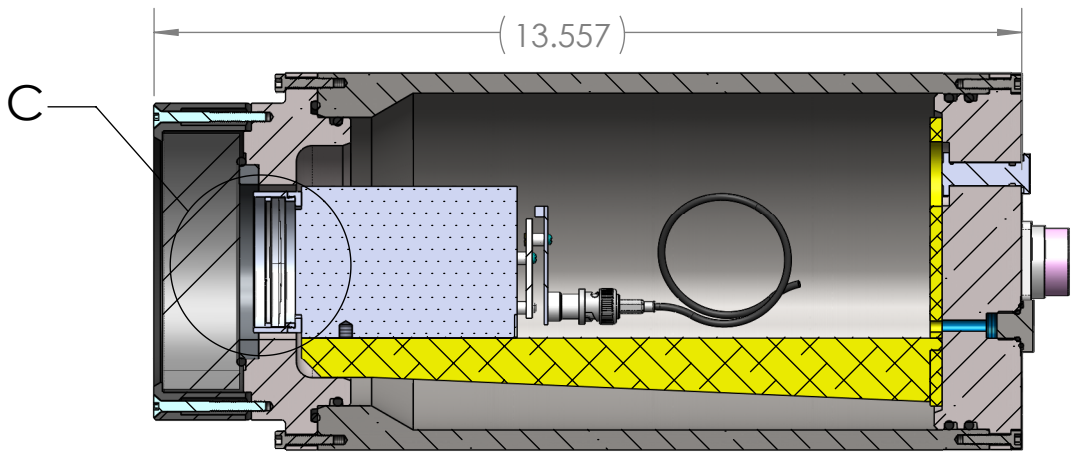
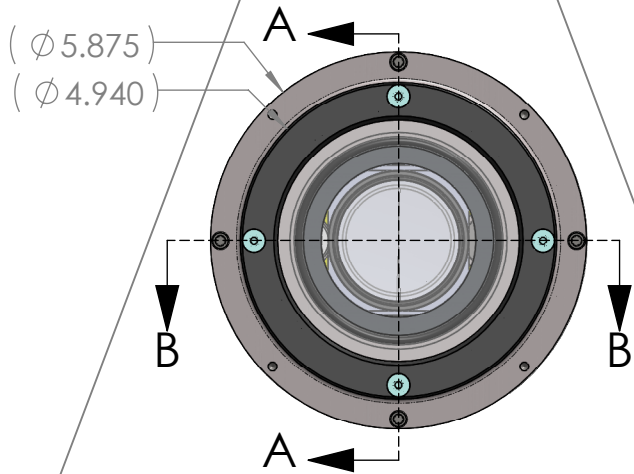
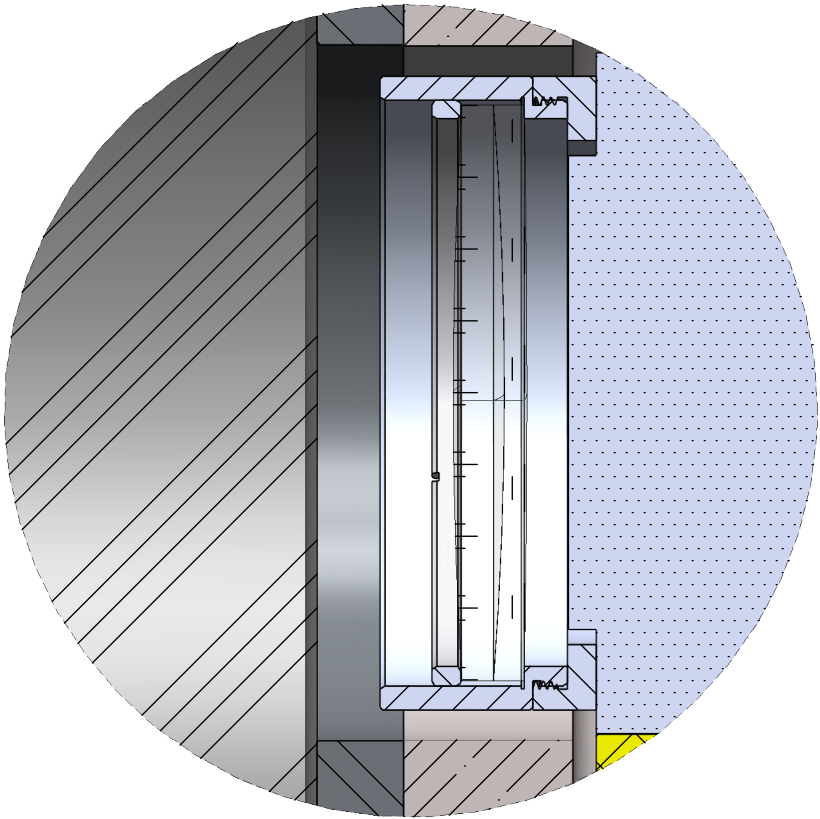
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REVISIONS		
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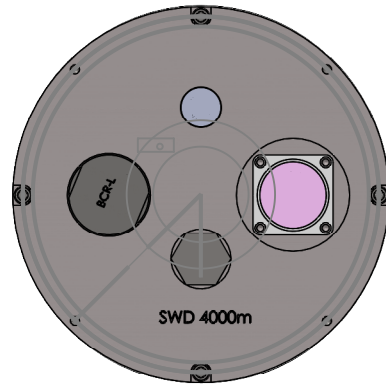
SECTION B-B
SCALE 1 : 3



DETAIL C
SCALE 1.5 : 1



SECTION A-A
SCALE 1 : 3



Water Weight = 16.0804

8. SAFE WORKING DEPTH 4,000m.

7. PROJECT LIBRARY:\901506 DeepPIV\ME Drawings\Camera Housing\Sony Box Camera FCB-EV7320_V3

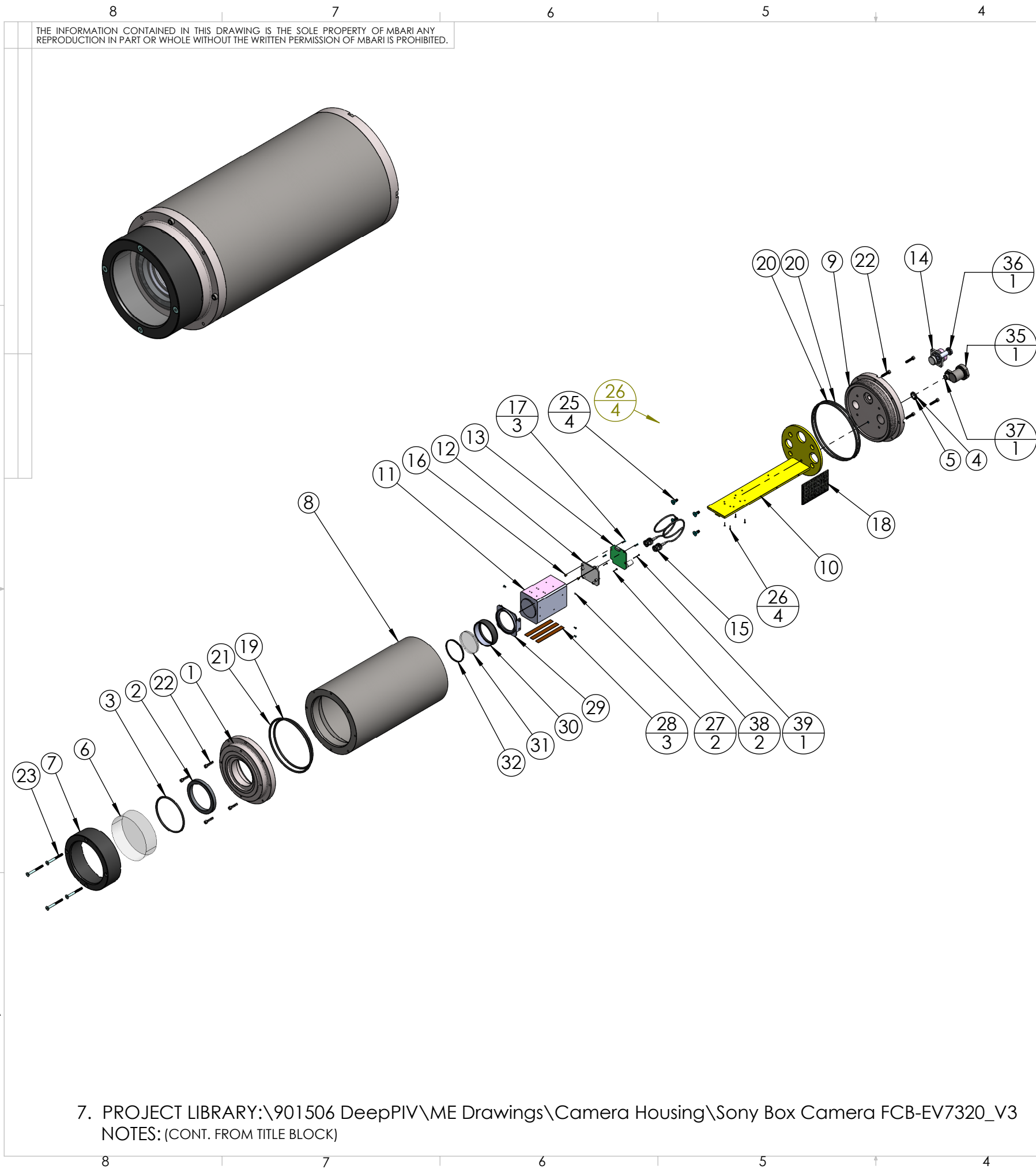
NOTES: (CONT. FROM TITLE BLOCK)

BILL OF MATERIALS			
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:	
Inspector		1 PLACE DIM ±1/16	2 PLACE DIM ±.02
Shop Foreman		3 PLACE DIM ±.005	ANGLES ±1°
Engineer		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.	
NEXT ASSY Description	NEXT ASSY Number		
Application		DO NOT SCALE DRAWING	
		APPROVALS	DATE
		DRAWN J. ERICKSON	12/16/16
		ENGINEER J. ERICKSON	12/16/16
		CHECKED	
		PROJECT NO.	901506
		PROJECT	PIV
		WEIGHT	22.2424
		SIZE B	DWG. NO. A-201874-19.DWG
		SCALE 1:8	CAD FILE: MECH ENG ON TORNADO SHEET 1 OF 3

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Moss Landing, CA 95039
PH: (831) 775-1700



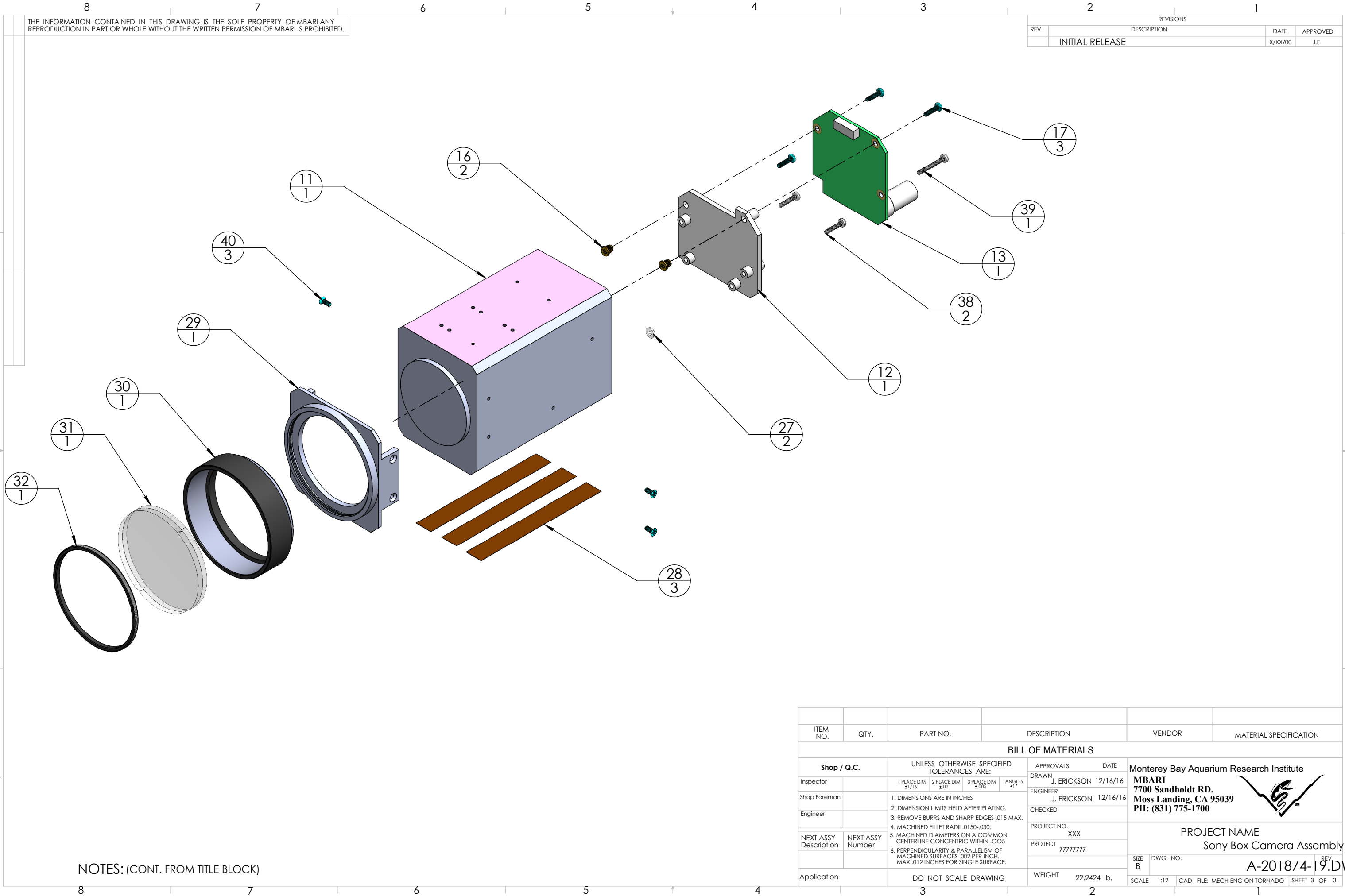
PIV
Sony Box Camera Assembly_V3



40	3	91801A106	M2-0.4x5mm Flt Hd Phill Screw		McMaster-Carr	
39	1	94879A110	M2-0.4x16mm Pan Hd Phill screw		McMaster-Carr	
38	2	94879A106	M2-0.4x10mm PanHd Phill Screw		McMaster-Carr	
37	1	1001853	SAE #4 Vent Plug			Titanium 6AL-4V
36	1	P-202067-19	Lancer Port BLank		MBARI	Material <not specified>
35	1	BCR-L_ BLANK	Seacon MinL BlkHd Blank		Seacon	6AL-4V Titanium
34	1	Min-L BCRL	Min-Con Min-L - BCRL 1 COAX/6E Bulkhead		Seacon	316 S.S.
33	1	500-B-ST-S1-B-02-000	Lancer ST PassThru		Lancer Systems	
32	1	SM2	SM2 LENS TUBE LOCK RING		Thor Labs	
31	1	AC508-750-A	Lens Positive Achromatic Doublets, AR Coated: 400 - 700 nm		Thor Labs	
30	1	SM@L05	SM2L05 Lens Tube		ThorLabs	Anodized Aluminum
29	1	P-201936-17	Diopter Lens Adaptor Mount		MBARI	Material <not specified>
28	3	??????	Kapton Polyimid Tape		McMaster-Carr	Polyimid
27	2	95610A510	M2 Nylon Flt Washer		McMaster-Carr	
26	4	94270A104	M2x0.4x8mm_Slt Pan Hd Screw		McMaster-Carr	Nylon 6/10
25	4	90585A989	#10-32 x 1/2 Flt Hd Soc Screw		McMaster-Carr	AISI 316
24	1	??????	BNC Right Angle Adaptor			
23	4	92210A205	#8-32 x 1.75 Flt Soc Hd Screw		McMaster-Carr	AISI 304
22	8	95435A582	#8-32 x 3/4 Soc Hd Cap Screw		McMaster-Carr	Titanium Gr2
21	1	#2-247-70N	O-RING			BUNA - N
20	2	#2-250-70-N	O-RING			BUNA - N
19	1	#2-244-70-N	O-RING			BUNA - N
18	1		Vector Board (Perf. Board)			
17	3	90116A015	M2 x 0.4 x 8mm Rnd Hd Phill Screw		McMaster-Carr	AISI 316
16	2	94510A360	M2 x 0.4 Flanged Brass Threaded Insert		McMaster-Carr	Brass
15	3		BNC Plug - RG179			
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-201893-19	Box Cam. Chassis Assembly_V3		MBARI	Material <not specified>
9	1	P201877-16	Box Camera Rear End Cap_V3		MBARI	6AL-4V Titanium
8	1	P-201875-19	Box Camera Press. Tube		MBARI	6AL-4V Titanium
7	1	P-201884-17	New Camer Window Retainer	A	MBARI	PE UHMW Black
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-201876-19	Box Camera Window End Cap	A	MBARI	6AL-4V Titanium
ITEM NO.	PIV/QTY.	Part_Number	BULKY MATERIALS		Revision	MATERIAL

7. PROJECT LIBRARY:\901506 DeepPIV\ME Drawings\Camera Housing\Sony Box Camera FCB-EV7320_V3
NOTES: (CONT. FROM TITLE BLOCK)

Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:				APPROVALS		DATE		Monterey Bay Aquarium Research Institute MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700  PIV Sony Box Camera Assembly_V3 A-201874-19.DWG SCALE 1:12 CAD FILE: MECH ENG ON TORNADO SHEET 2 OF 3		
Inspector		1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	ANGLES ±1°	DRAWN	J. ERICKSON	12/16/16				
Shop Foreman		1. DIMENSIONS ARE IN INCHES				ENGINEER	J. ERICKSON	12/16/16				
Engineer		2. DIMENSION LIMITS HELD AFTER PLATING.				CHECKED						
NEXT ASSY Description	NEXT ASSY Number	3. REMOVE BURRS AND SHARP EDGES .015 MAX.				PROJECT NO.	901506					
		4. MACHINED FILLET RADII .0150-.030.				PROJECT	PIV					
		5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005				WEIGHT	22.2424 lb.					
		6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH, MAX .012 INCHES FOR SINGLE SURFACE.										
Application		DO NOT SCALE DRAWING										



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

NOTES: (CONT. FROM TITLE BLOCK)

ITEM NO.	QTY.	PART NO.	DESCRIPTION	VENDOR	MATERIAL SPECIFICATION
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°
Shop Foreman		1. DIMENSIONS ARE IN INCHES		DRAWN J. ERICKSON 12/16/16	
Engineer		2. DIMENSION LIMITS HELD AFTER PLATING.		ENGINEER J. ERICKSON 12/16/16	
NEXT ASSY Description		3. REMOVE BURRS AND SHARP EDGES .015 MAX.		CHECKED	
NEXT ASSY Number		4. MACHINED FILLET RADII .0150-.030.		PROJECT NO. XXX	
Application		5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005		PROJECT ZZZZZZZZ	
		6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH. MAX .012 INCHES FOR SINGLE SURFACE.		WEIGHT 22.2424 lb.	
		DO NOT SCALE DRAWING		SIZE B DWG. NO.	
				SCALE 1:12 CAD FILE: MECH ENG ON TORNADO SHEET 3 OF 3	

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Moss Landing, CA 95039
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PROJECT NAME
Sony Box Camera Assembly_V3

A-201874-19.DWG