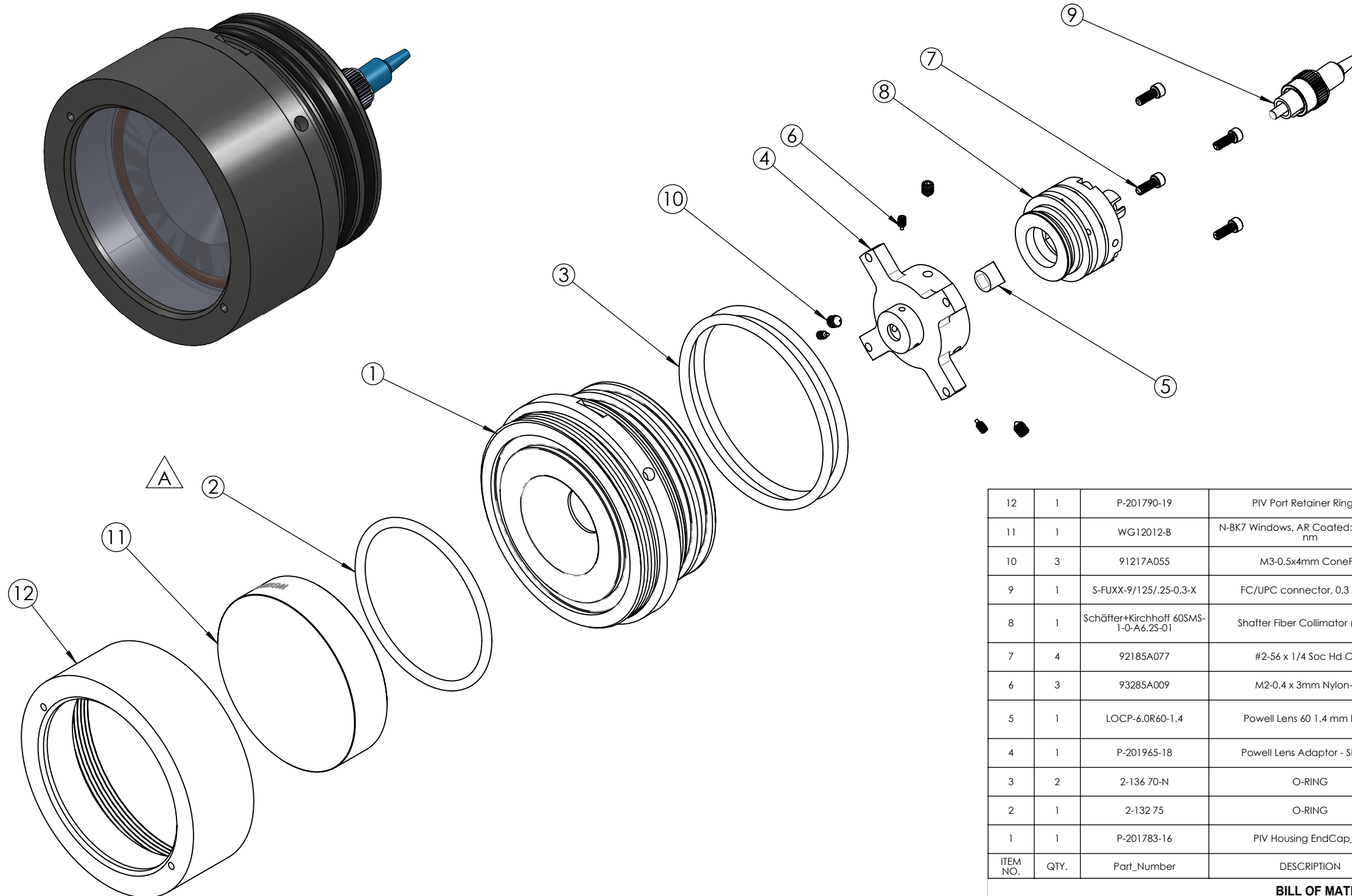


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REVISIONS					
REV.	DESCRIPTION			DATE	APPROVED
	INITIAL RELEASE			X/XX/00	J.E.
ZONE	REV.	DESCRIPTION		DATE	APPROVED
B4	A	CHG O-Ring Mat'l , Item #2		4/17/2020	J.E.



12	1	P-201790-19	PIV Port Retainer Ring V7		MBARI	6AL-4V Titanium
11	1	WG12012-B	N-BK7 Windows, AR Coated: 650 - 1050 nm		THOR LABS	
10	3	91217A055	M3-0.5x4mm ConePt.		McMaster-Carr	AISI 304
9	1	S-FUXX-9/125/.25-0.3-X	FC/UPC connector, 0.3 meter		Coastal Connections	
8	1	Schäfter+Kirchhoff 60SMS-1-0-A6.2S-01	Shafter Fiber Collimator (sldprt)		Shafter	
7	4	92185A077	#2-56 x 1/4 Soc Hd Cap		McMaster-Carr	AISI 316
6	3	93285A009	M2-0.4 x 3mm Nylon-Tip		McMaster-Carr	AISI 304
5	1	LOCP-6.0R60-1.4	Powell Lens 60 1.4 mm beam		LaserLine Optics Canada Inc.	
4	1	P-201965-18	Powell Lens Adaptor - Shafter	B	MBARI	PEEK
3	2	2-136 70-N	O-RING			BUNA - N
2	1	2-132 75	O-RING			Viton Fluoroelastomer
1	1	P-201783-16	PIV Housing EndCap_V7	A	MBARI	6AL-4V Titanium
ITEM NO.	QTY.	Part_Number	DESCRIPTION	Revision	Vendor	MATERIAL

BILL OF MATERIALS

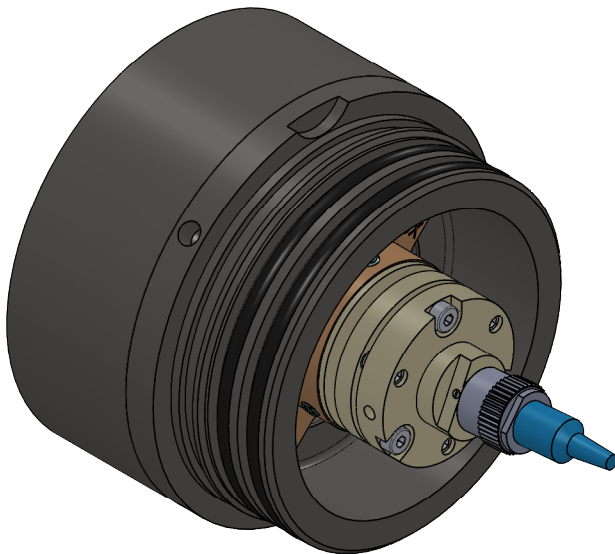
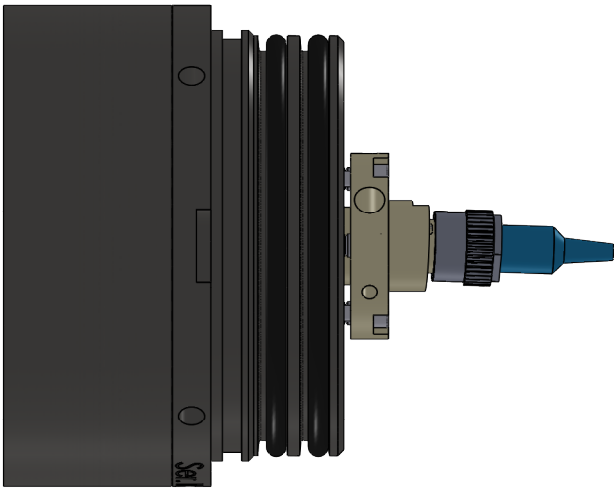
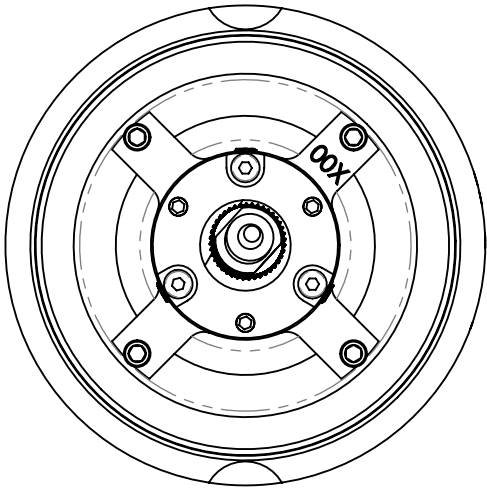
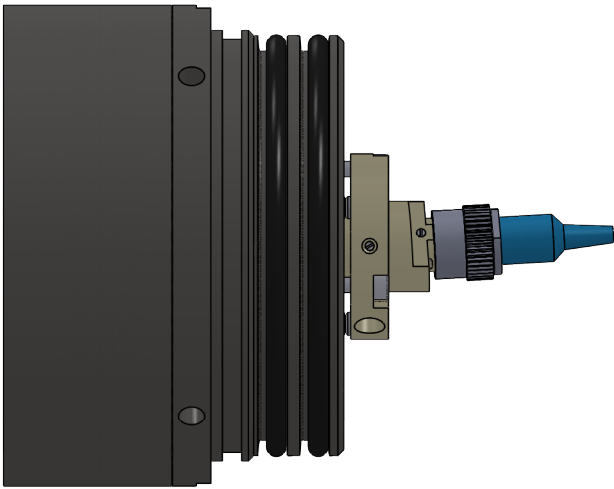
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:				APPROVALS		DATE		Monterey Bay Aquarium Research Institute MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700 			
Inspector		1 PLACE DIM ±.1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	ANGLES ±1°	DRAWN J. ERICKSON							
Shop Foreman		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							
Engineer						CHECKED							
NEXT ASSY Description	NEXT ASSY Number					PROJECT NO. 901506		PROJECT DEEP PIV					
Application		DO NOT SCALE DRAWING				WEIGHT		lb.		PIV REMOTE LASER HEAD R.A. _V7 Shafter Optical Assembly			
								SIZE DWG. NO.		REV. A			
								SCALE 1:4		CAD FILE: MECH ENG ON TORNADO			
								SHEET 1 OF 2					

7. PROJECT LIBRARY:\901506 DeepPIV\ME Drawings\Remote Head_V7

NOTES: (CONT. FROM TITLE BLOCK)

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



7. PROJECT LIBRARY:\901506 DeepPIV\ME Drawings\Remote Head_V7

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	
Engineer		2. DIMENSION LIMITS HELD AFTER PLATING.		ENGINEER J. ERICKSON	
		3. REMOVE BURRS AND SHARP EDGES .015 MAX.		CHECKED	
		4. MACHINED FILLET RADII .0150-.030.		PROJECT NO. 901506	
NEXT ASSY Description	NEXT ASSY Number	5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005		PROJECT DEEP PIV	
	A-201785-19	6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH. MAX .012 INCHES FOR SINGLE SURFACE.		WEIGHT	
Application		DO NOT SCALE DRAWING		SIZE B DWG. NO. A-202xxx-19.DWG	
				SCALE 1:2 CAD FILE: MECH ENG ON TORNADO SHEET 2 OF 2	

Monterey Bay Aquarium Research Institute
MBARI
7700 Sandholdt RD.
Moss Landing, CA 95039
PH: (831) 775-1700



PIV REMOTE LASER HEAD R.A. _V7
Shafter Optical Assembly

REV. A