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INITIAL RELEASE

REVISIONS

X/XX/01

J.E.

SECTION A-A
SCALE 1 : 1

8. SWD = 4,000 m.

7. PROJECT LIBRARY:\901506 DeepPIV\ME Drawings\Laser Assembly\Remote Head

NOTES: (CONT. FROM TITLE BLOCK)

21	1	#2-019-70-N	O-RING			BUNA - N
20	1	#2-022-70-N	O-RING			BUNA - N
17	1		FCR OptoLink Fiber Penetrator		Seacon	
16	1	WG12012-B	N-BK7 Windows, AR Coated: 650 - 1050 nm		THOR LABS	
15	4	92185A083	#2-56 x 1/2 Soc Hd Cap		McMaster-Carr	
14	4	90291A103	#4-40 x 1/8 set screw		McMaster-Carr	
13	3	92217A355	#2 USS Flat Washer		McMaster-Carr	
12	3	98164A427	#2-56 x 3/8 Button Hd screw		McMaster-Carr	
11	2	#2-133-70-N	O-RING			BUNA - N
10	1	P-201782-16	PIV Fiber End Cap		MBARI	6AL-4V Titanium
9	1	P-201790-16	PIV Port Retainer Ring		MBARI	6AL-4V Titanium
8	1	P-210786-16	Remote Head Laser Housing		MBARI	6AL-4V Titanium
7	2	2-136 70-N	O-RING			BUNA - N
6	1	2-132 70-N	O-RING			BUNA - N
5	1	P-201783-16	PIV Housing EndCap_V2		MBARI	6AL-4V Titanium
4	3	94241A220	#4 Split Lock		McMaster-Carr	AISI 316
3	1		Powell Lens 75 Deg.		Edmond Sci.	
2	1	ACFVISHXA	FC/PC Fiber Coupler/Collimato		LaserGlow	
1	1	P-201781-16	Powell Lens Holder		MBARI	PEEK
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			
Inspector		1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	ANGLES ±1°	DRAWN	J. ERICKSON	2/10/16		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	2/10/16					
Engineer						CHECKED							
NEXT ASSY Description	NEXT ASSY Number					PROJECT NO.	901506			REMOTE LASER HEAD Remote Laser Head Assembly			
Application		DO NOT SCALE DRAWING				PROJECT	Deep PIV						
						WEIGHT	2.678			SIZE B	DWG. NO. A-201785-16.DWG	REV.	
						SCALE	1:4	CAD	FILE: MECH ENG ON TORNADO	SHEET	1	OF	1