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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	11/12/2020	
B	INCREASED PART WIDTH FOR MORE SHIMS	12/01/2020	

[16.51mm]
0.650in

A

20° TYP 2 PLCS

[1.27mm]
0.050in TYP 2 PLCS

DETAIL A

SCALE 2 : 1

[9.72mm]
0.383in

[6.67mm]
0.263in

[133.10mm]
Ø 5.240in

[114.30mm]
Ø 4.500in

[126.75mm]
Ø 4.990in

[126.75mm]
Ø 4.990in

NOTE 1. SOLID MODEL LOCATION:

\\atlas\ProjectLibrary\902001_4K_ROVCameraDevelopment\EngineeringDesignDocuments\MechanicalDesign\4K_CameraChassis\100221414-06-B_AlignmentRing.SLDPRT

NOTE 2: MATERIAL - PEEK POLYMER.

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Shop / Q.C.		BILL OF MATERIALS UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:				APPROVALS		DATE			
Inspector		1 PLACE DIM ±.016	2 PLACE DIM ±.005	3 PLACE DIM ±.003	ANGLE ±°	DRAWN MRC	11/12/2020		 MBARI 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 RADI .015-.020. 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	MARK R. CHAFFEY (831) 775-1708 mrc@mbari.org				
Engineer						PROJECT No.	902001			4K Camera Alignment Ring	
NEXT ASSY Description	NEXT ASSY Number					PROJECT Name	4K ROV CAMERA			SIZE C	DWG. NO.
APPLICATION		DO NOT SCALE DRAWING				WEIGHT	SCALE	CAD FILE:		SHEET 1 OF 1	

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4K Camera Alignment Ring