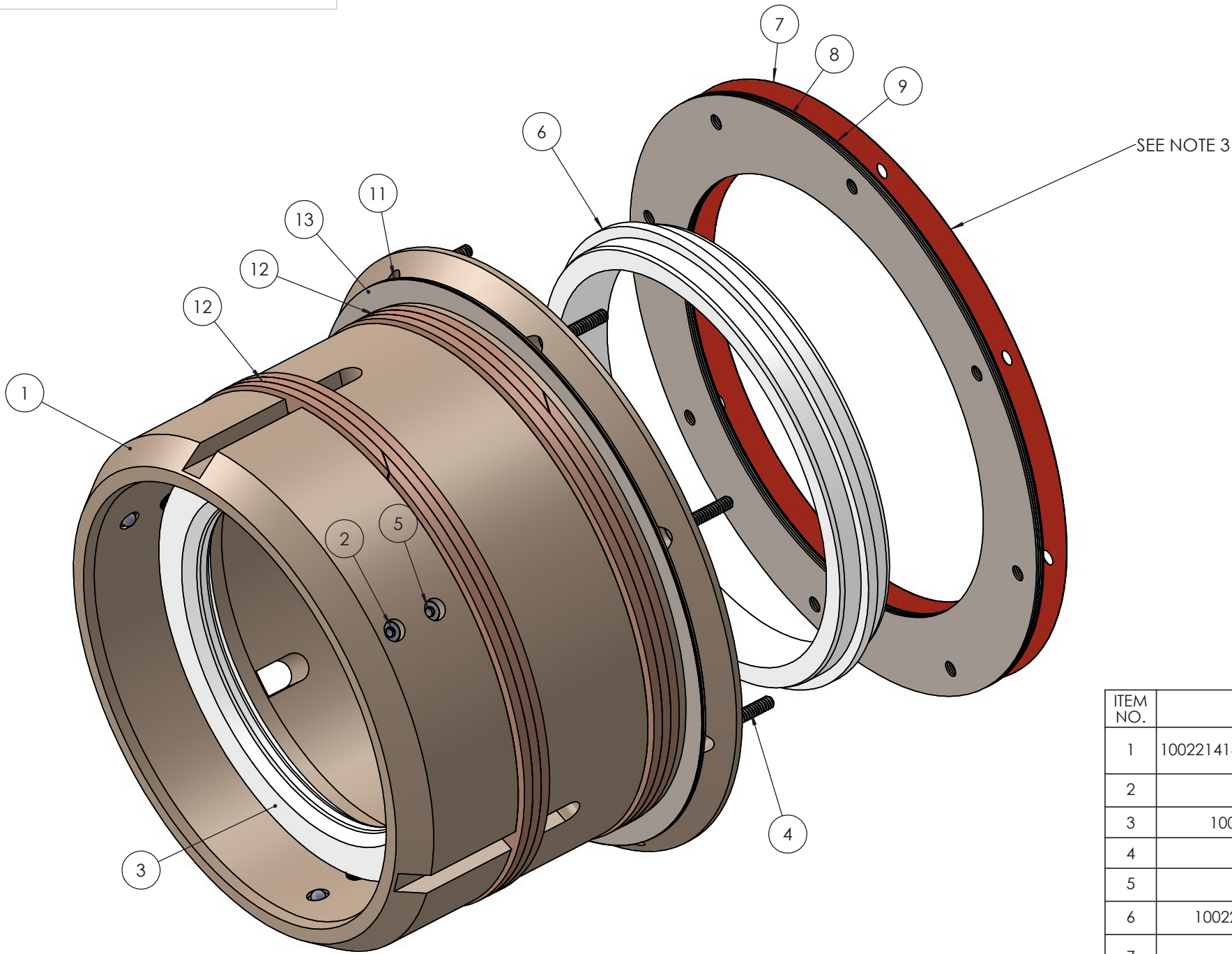


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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
B	XX	XX/XX/202X	
C	XX	XX/XX/202X	



NOTE 2. FINAL SHIM STACK HEIGHTS ARE DETERMINED DURING OPTICAL CALIBRATION.

NOTE 3. KAPTON INSULATING SHIM MUST ALWAYS FACE CAMERA CHASSIS FOR ELECTRICAL ISOLATION.

NOTE 1. SOLID MODEL LOCATION:

\\atlas\ProjectLibrary\902001_4K_ROVCameraDevelopment
\\EngineeringDesignDocuments\MechanicalDesign\4K_CameraChassis\100221414-05-A_ChassisAlignmentConeAssembly.SLDASM

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ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	100221414-04-A_ChassisAlignmentCone	MBARI Chassis alignment cone	1
2	98625A620	0.250-80x0.375_18-8_BallEndAdjustmentScrew	3
3	100221414-08-A_LensCollar	MBARI PEEK lens collar	1
4	90585A216	#6-32x0.750_316_FlatheadSocketScrew	8
5	98625A650	0.250-80_0.50_18-8_BallEndAdjustmentScrew	3
6	100221414-06-B_AlignmentRing	MBARI alignment ring	1
7	100221414-29-A_Shim_0.005_KaptonInsulating	Shim cut from Kapton sheet	1
8	100221414-28-A_Shim_0.025	Shim_0.025_CutFromMcMasterPN9548K391	3
9	100221414-60-A_Shim_0.010	Shim_0.010_CutFromMcMasterPN9548K361	2
10	100221414-33-A_ConeShim_0.025	Shim_0.025_CutFromMcMasterPN9548K391	1
11	100221414-63-A_ConeShim_0.010	Shim_0.010_CutFromMcMasterPN9548K361	2
12	M&P_Dash432_SingleTurnPeekRing	M&P company precision peek back-up ring PN dash 432.	6
13	100221414-64-A_ConeShim_0.005	Shim_0.005_CutFromMcMasterPN9548K341	1

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 ±.005	ANGLE ±.01	DRAWN MRC	01/18/2021
Shop Foreman		1. DIMENSIONS ARE IN INCHES. 2. DIMENSION LIMITS HELD AFTER PLATING. 3. REMOVE BURRS AND SHARP EDGES .015 MAX. 4. MACHINED FILET 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	MBARI 7700 Sandholdt Rd. Moss Landing, CA 95039 PH: (831) 775-1700 c3ma@mbari.org
Engineer						(831) 775-1708 c3ma@mbari.org	
NEXT ASSY Description	NEXT ASSY Number					PROJECT No. 902001	4K CAMERA CHASSIS ALIGNMENT CONE
APPLICATION		DO NOT SCALE DRAWING		WEIGHT		PROJECT Name 4K ROV CAMERA	SIZE C
						SCALE	DWG. NO. 100221414-05-A-ASM
						CAD FILE:	REV. A
						SHEET 1 OF 1	

