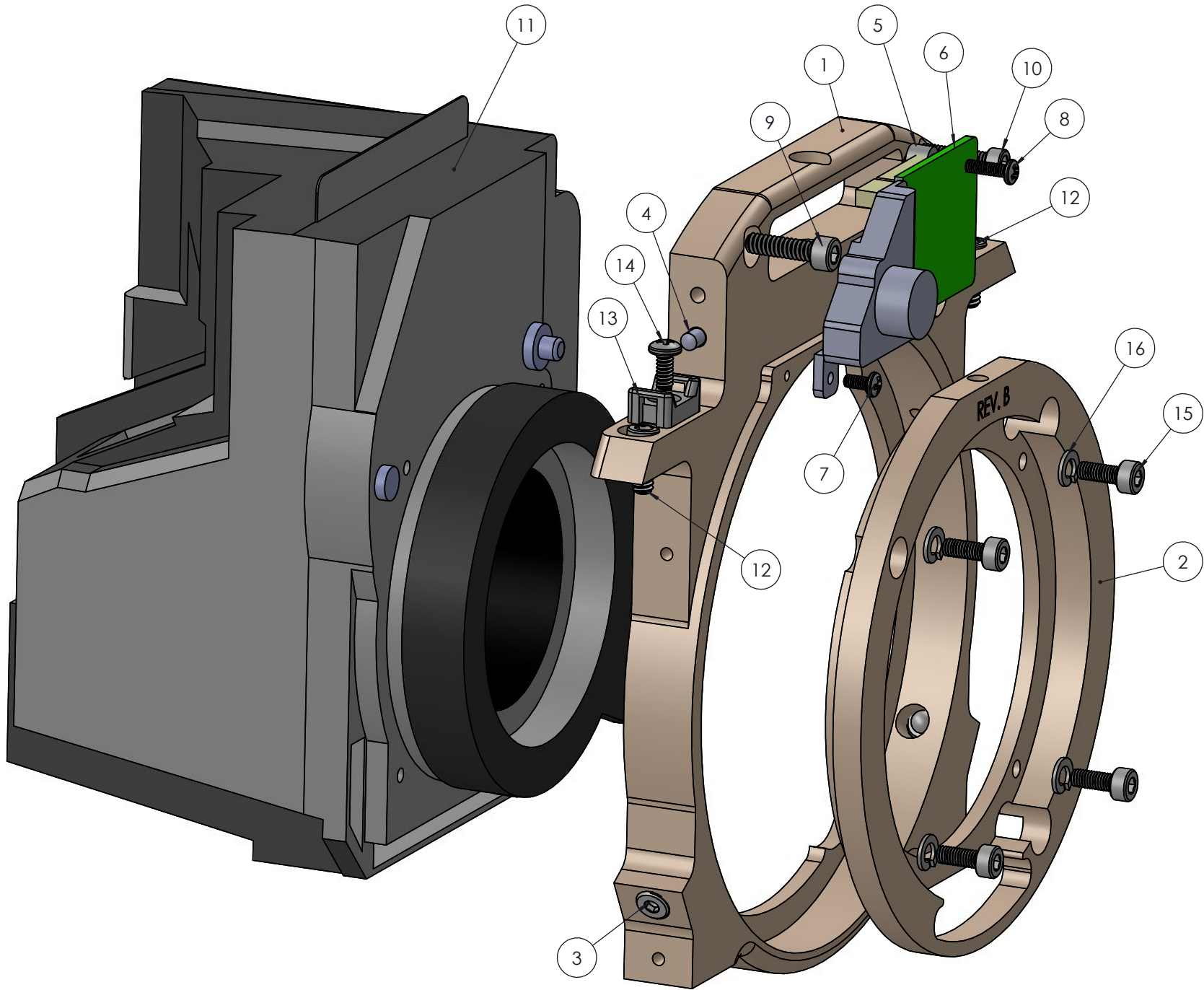


REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
B	INCLUDES 'B' OPTICAL FLANGE, SEE NOTES	06/02/2021	
C	XX	XX/XX/202X	



NOTE 2: THIS 'B' REVISION ASSEMBLY INCLUDES THE B REVISION OPTICAL BLOCK FLANGE WHICH IS NEEDED TO FIT THE SLIGHTLY OUT OF TOLERANCE MATING PART (OPTICAL BLOCK MOUNT) ON CAMERA SERIAL NUMBERS 01, 02 AND 03. REV. B FLANGE PART ALSO ALLOWS MORE COMPLIANCE FOR ADJUSTING THE CAMERA LENS TILT.

NEW CAMERA BUILDS AFTER SERIAL NUMBER 03 MUST USE THE 'C' REVISION FLANGE PART THAT ALSO ALLOWS EXTRA COMPLIANCE BUT DOES NOT NEED THE MACHINED FLAT FOR THE ADJUSTING SCREW AND IS PROPERLY SIZED TO FIT IN-TOLERANCE REV. A OPTICAL BLOCK MOUNTS.

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	100221414-25-A_OpticalBlockMount	MBARI optical block mount	1
2	100221414-22-B_OpticalBlockFlange	MBARI optical mount flange. B rev. modified for out-of-tolerance OpticalBlockMount.	1
3	98625A650	0.250-80_0.50_18-8_BallEndAdjustmentScrew	3
4	91595A112	M3x12mm_AlloySteelDowelPin	1
5	92510A005	#2x0.156_AlumUnthreadedSpacer	1
6	Sony_LensConnector	Sony camera part	1
7	91735A007	#2-56x0.1875_316_PanHead	1
8	91735A013	#2-56x0.3125_316_PanHead_91735A013	1
9	92185A148	#6-32x0.50SocketHeadCapScrew	1
10	92185A110	#4-40x0.50_316_SocketHeadCapScrew	1
11	Sony_OpticalBlock	Sony camera part	1
12	92185A145	#6-32x0.3125_316_SocketHeadCapScrew	2
13	1873N51	#4_FlameRetardantCableMount	1
14	91735A102	#4-40x0.250_316_PanHeadPhilipsMachineScrew	1
15	91292A112	M3x0.5x8mm_18-8_SocketHeadCapScrew	4
16	92153A416	M3_316_SplitLockWasher	4

NOTE 1. SOLID MODEL LOCATION:
\\atlas\ProjectLibrary\902001_4K_ROVCameraDevelopment
\EngineeringDesignDocuments\MechanicalDesign\4K_CameraChassis\100221414-24-B_OpticalBlockMountAssembly.SLDASM

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Shop / Q.C.		BILL OF MATERIALS UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:		APPROVALS		DATE	
Inspector		1 PLACE DIM ±.010	2 PLACE DIM ±.005	3 PLACE DIM ±.005	ANGLE ±.01	DRAWN MRC	01/19/2021
Shop Foreman		1. DIMENSIONS ARE IN INCHES.		ENGINEER		MBARI	
Engineer		2. DIMENSION LIMITS HELD AFTER PLATING.		MARK R. CHAFFEY		7700 Sandholdt Rd.	
		3. REMOVE BURRS AND SHARP EDGES .015 MAX.		(831) 775-1708		Moss Landing, CA 95039	
		4. MACHINED FILET RADI .015-.020.		c3ma@mbari.org		PH: (831) 775-1700	
		5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005		PROJECT No.		902001	
NEXT ASSY Description	NEXT ASSY Number	6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH MAX .012 INCHES FOR SINGLE SURFACE.		PROJECT Name		4K ROV CAMERA	
APPLICATION		DO NOT SCALE DRAWING		WEIGHT		SIZE C	
						DWG. NO. 100221414-24-B-ASM	
						SCALE	
						CAD FILE:	
						REV. B	
						SHEET 1 OF 1	

