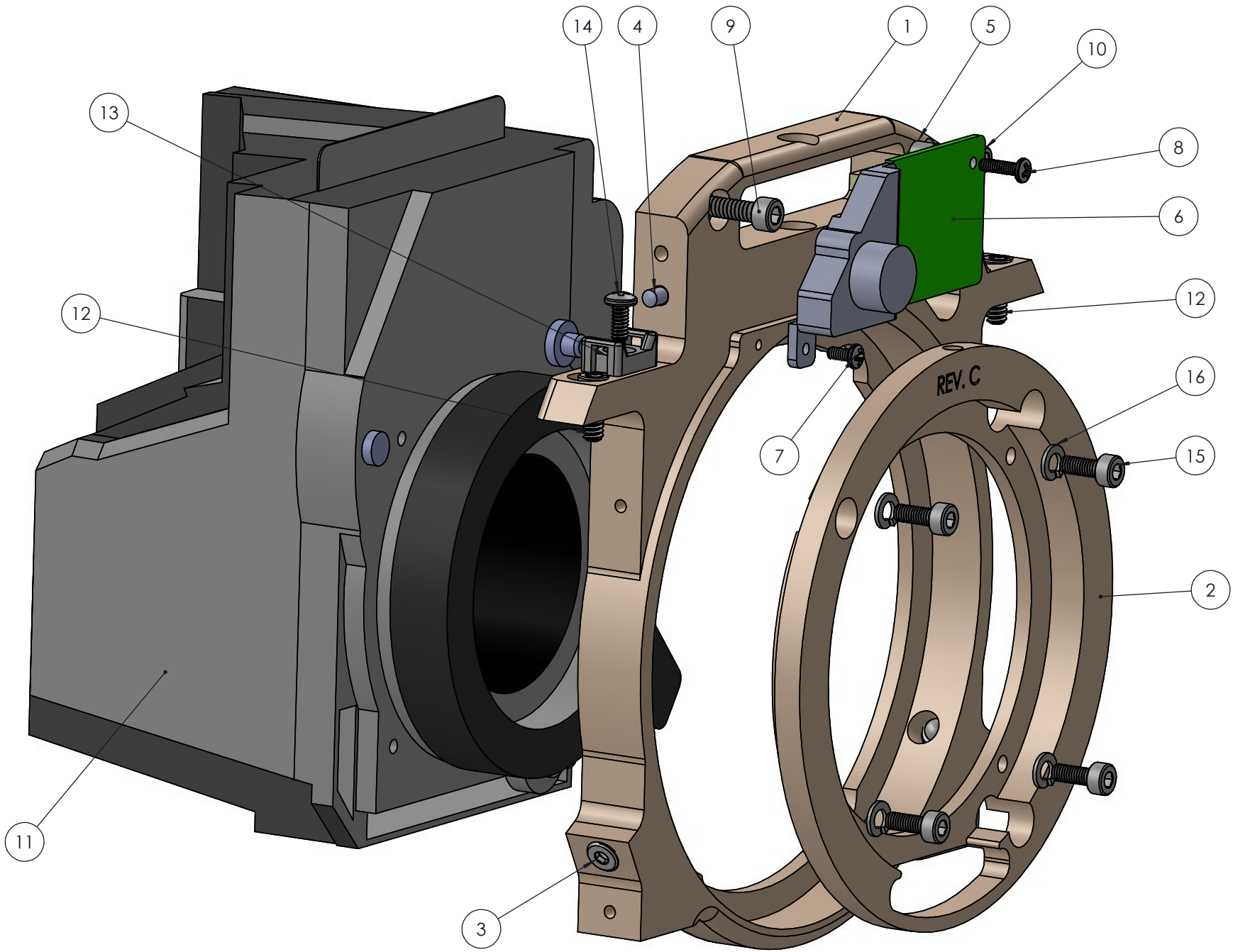


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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
B	INCLUDES 'B' OPTICAL FLANGE, SEE NOTES	06/02/2021	
C	INCLUDES 'C' OPTICAL FLANGE, SEE NOTES	06/02/2021	



NOTE 2: THIS 'C' REVISION ASSEMBLY INCLUDES THE C REVISION OPTICAL BLOCK FLANGE.

NEW CAMERA BUILDS AFTER SERIAL NUMBER 03 MUST USE THE 'C' REVISION FLANGE PART THAT ALLOWS EXTRA COMPLIANCE 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-C_OpticalBlockFlange	MBARI optical mount flange 'C' revision allows extra compliance over 'A' part.	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-C_OpticalBlockMountAssembly.SLDASM

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Shop / Q.C.		BILL OF MATERIALS UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:		APPROVALS		DATE		 MBARI Monterey Bay Aquarium Research Institute		
Inspector		1 PLACE DIM ±.016	2 PLACE DIM ±.001	3 PLACE DIM ±.005	ANGLE ±.1°	DRAWN MRC	01/19/2021			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 OPTICAL BLOCK MOUNT ASSEMBLY
NEXT ASSY Description	NEXT ASSY Number			PROJECT Name	4K ROV CAMERA	SIZE C	DWG. NO.	100221414-24-C-ASM	REV. C	
APPLICATION		DO NOT SCALE DRAWING		WEIGHT			SCALE	CAD FILE:	SHEET 1 OF 1	

