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

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	100221414-34-B_LeftSideChassisPanel	MBARI left side sheet metal panel	1
2	96439A080	#2-56 PEM Nut 18-8 SST	7
3	96439A340	#8-32_18-8_PEM_Nut	1
4	ThorLabs_FiberOrganizer_FSR1	Stock fiber organizer	1
5	90061A009	#8_NylonShoulderWasher	1
6	92185A194	#8-32x0.500_316_SocketHeadCapScrew	1
7	91950A046	#8_316_FlatWasher	1
8	92146A545	#8_18-8_SplitLockWasher	1
9	100221414-32-A_USB&ControlPanelAssembly	Control panel assembly	1
10	100221414-13-A_Ethernet&PowerPanel	MBARI Ethernet and power panel	1
11	94674A490	#4-40_18-8_PEM_FlushNut	12
12	91253A104	#4-40x0.1875_FlatHeadBlackOxideScrew	3
13	91735A113	#4-40x0.750_316_RoundHeadScrew	1
14	94241A220	#4_316_SplitLockWasher	3
15	91735A109	#4-40x0.625_316_RoundHeadScrew	2
16	Sony_PowerInputXLRConnector	Sony camera part	1
17	90910A950	M2.6-0.45x5mm_18-8_ButtonHeadTorxMachineScrew	2
18	Sony_EthernetConnector	Sony camera part	1
19	92510A005	#2x0.156_AlumUnthreadedSpacer	6
20	92153A406	M2.0_316_SplitLockWasher	2
21	91239A706	M2.0-0.4x10mm_BlackOxideButtonHeadSocketScrew	2
22	4869A751	U-ChannelSiliconeGasket_Black	1
23	BNC_75Ohm_Jack_BulkheadMount_031-221-75RFX	Sony camera parts	1
24	Cubo_CWDM	SEE ELECTRICAL DRAWING	1
25	100221414-14-A_FiberBracket	MBARI fiber union bracket	1
26	BulkheadFiberUnion	SEE ELECTRICAL DRAWING	1
27	Focal-914-hde_Transceiver	Focal fiber optic multiplexer	1
28	91771A080	#2-56x0.4375_18-8_FlatHeadScrew	2
29	92185A081	#2-56x0.4375_316_AllenHeadSocketScrew	1
30	92147A410	#2_316_SplitLockWasher	1
31	95345A016	#2-56x0.375_18-8_PanHeadwLockWasherScrew	4
32	92185A145	#6-32x0.3125_316_SocketHeadCapScrew	10
33	100221414-47-D_ThermalPad_4mmx40x65	Thermal pad cut from DigikeyPN_1168-2209-ND	1
34	1873N51	#4_FlameRetardantCableMount	7
35	91500A122	#4-40x0.250_316_FlatHeadScrew	2
36	92510A422	#4x0.250x0.250OD_AlumUnthreadedSpacer	2
37	91735A101	#4-40x0.1875_316_PanHeadPhilipsMachineScrew	7
38	Amphenol_BNC_RAPlug_179_112179	BNC right angle plug for RG-179 PN 112179	1
39	Amphenol_MiniSMBPlug__142186-75	Mini SMB straight plug for RG-179 PN 142186	1

NOTE 2. FOR PEM NUT LOCATION CALLOUTS SEE FABRICATION DRAWING: 100221414-34-A-DWG_LeftSideChassisPanel.

NOTE 1. SOLID MODEL LOCATION:

\\atlas\ProjectLibrary\902001_4K_ROVCameraDevelopment
\\EngineeringDesignDocuments\MechanicalDesign\4K_CameraChassis\100221414-36-A_LeftSideChassisPanelAssembly.SLDASM

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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 ±.001	3 PLACE DIM ±.005	ANGLE ±.1°	DRAWN MRC	01/19/2021
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 (831) 775-1708 mrc@mbari.org	MBARI 7700 Sandholdt Rd. Moss Landing, CA 95039 PH: (831) 775-1700
Engineer							
NEXT ASSY Description	NEXT ASSY Number					PROJECT No. 902001	4K CAMERA LEFT SIDE CHASSIS ASSEMBLY
APPLICATION						PROJECT Name 4K ROV CAMERA	SIZE C
DO NOT SCALE DRAWING		WEIGHT		SCALE		CAD FILE:	SHEET 1 OF 1

