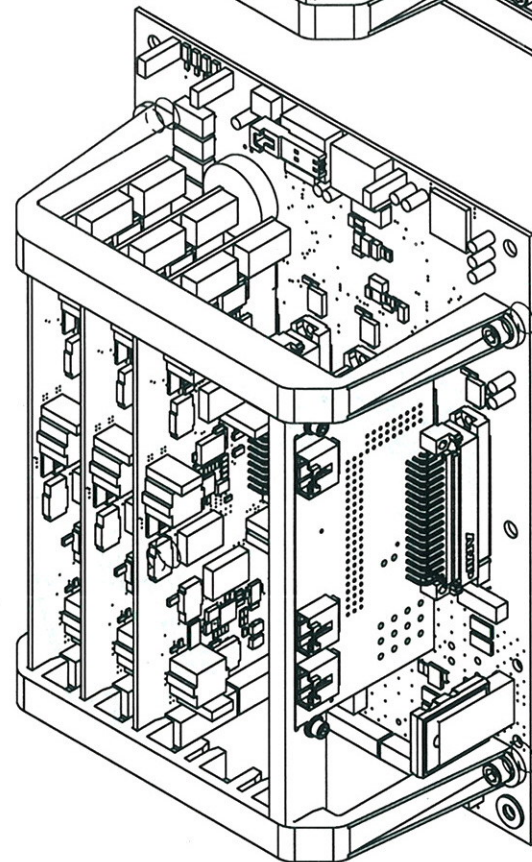
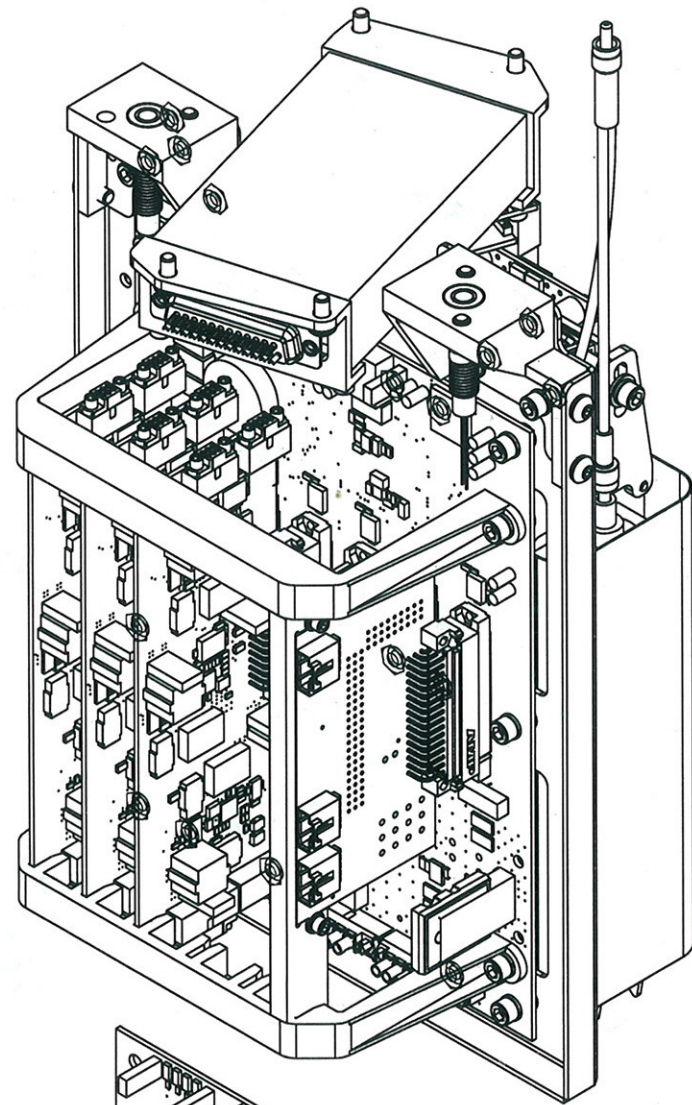
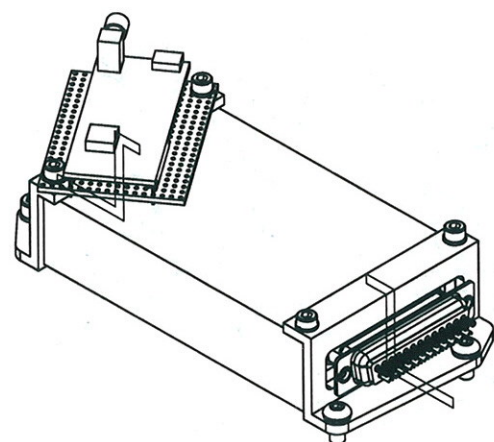


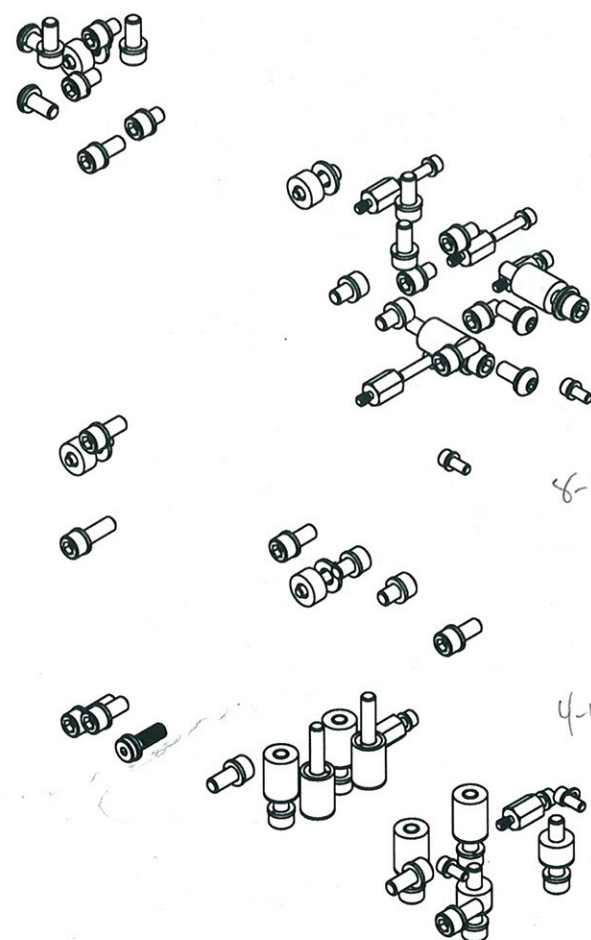


MBARI BOM											
WO Placed	Ordered	Kitted	ITEM NO.	SW-File Name(File Name)	Type	Vendor	VendorNo	Manufacturer	ManufacturerNo	test layout /QTY.	Build QTY.
			1	cpf_motherboard	CCA	MBARI		MBARI		1	
			2	IridiumGPS	Assembly					1	
			3	CTDController	COTS					1	
			4	Spectrometer	COTS	MBARI				1	
			5	ProximitySensorMagnetic	COTS	Digikey	59065-010-ND	Littelfuse	599065-010	2	
			6	fiberlight	COTS					1	
			7	CPFFiberAssy	COTS					1	
			8	CableSideConnectors	Assembly					1	
			9	NewControllerStack	COTS					1	
			10	ElexTray	Assembly					1	
		2	11	spectrometerAngleMount	Milled					1	
		2	12	spectrometerMountingPlate	Waterjet					1	
		2	13	FLBottomTab	Waterjet			MBARI		1	
		2	14	FLTopPlate	Waterjet			MBARI		1	
			15	TadiranTL5937C	COTS			Tadiran	TL5937C	1	
		2	16	TL5937Cup	Milled / Fortus	Fortus				1	
			17	ElexModuleFasteners	Assembly					1	
			18	3x2UChannel	Altered Item	McMaster Carr	9001K77	Delete this part			
		2	19	elexTrayBracket4	Milled					1	
		2	20	elexTrayBracket4Mirror	Milled 5 axis					1	
		2	21	MSC-UChannel	Printed Fortus					1	
①			22	ThreadedCollar	Altered Item	McMaster Carr	94435A533			2	

MBARI BOM											
WO Placed	Ordered	Kitted	ITEM NO.	SW-File Name(File Name)	Type	Vendor	VendorNo	Manufacturer	ManufacturerNo	ASSY. QTY.	Build QTY.
			1	MotherBoard	CCA	MBARI		MBARI		1	
		4	2	cardGuideBracketSimpleFoot	Printed	MBARI		MBARI		2	
			3	SwitchBoardRemake	CCA					3	
①	1x10		4	10-32 PRESS-IN NUTS FOR SOFT MTLs AND PLASTICS	COTS	McMaster Carr	94648A360			4	
①	1x75		5	.195 x .375 x .03 PlasticWasherNo8		McMaster Carr	95649A225			1	
X SAME THING			6	#8 Regular LW 0.164	COTS	McMaster Carr	92141A009	92146A545	These two parts are the same		
			7	#8 Regular LW 0.164SS-316	COTS	McM					
①	1x100		8	HX-SHCS 0.164-32x0.3125x0.3125-N-SS-316		McM	92196A191			4	
			9	DIO-CCA	CCA					1	
			10	DIO-CCAadapterGuide	Milled					1	
X	1x100		11	Narrow FW 0.112		McM	92141A005			2	
X	1x100		12	Regular LW 0.112		McM	92146A530			2	
X	1x100		13	HX-SHCS 0.112-40x0.25x0.25-N		McM	92196A106			2	
			14	MolexSL2X	COTS	Digikey				1	



MBARI BOM											
WO Placed	Ordered	Kitted	ITEM NO.	SW-File Name(File Name)	Type	Vendor	VendorNo	Manufacturer	ManufacturerNo	ASSY. QTY.	Build QTY.
			1	Iridium Modem	COTS			NAL Research	A3LA-R	1	
			2	Amphenol122420	COTS					1	
			3	protoBoard	Altered Item					1	
			4	GPS	COTS	Digikey	1471-1837-ND	MikroElektronika	GNSS 5 Click	1	
		2	5	modemZBracketDBSide	Milled					1	
		2	6	modemZBracketBNCSide	Milled					1	
X	other side		7	#8 Regular LW 0.164SS-316	COTS		92146A009	92146A545		4	
X	1x100		8	HX-SHCS 0.164-32x0.375x0.375-N-SS-8-32x3/8 316	COTS		92196A111	...A192		2	
X	1x100		9	#6 Regular LW 0.138SS-316			92146A540			4	
X	1x100		10	HX-SHCS 0.138-32x0.375x0.375-N-SS-6-32x3/8 316			92196A146			2	
X	1x100		11	HX-SHCS 0.138-32x0.25x0.25-N-SS-316	COTS		92196A144			2	
			12	6-32x1/4 protoBoard2	Altered Item					1	
			13	DB25F-Filtered	COTS	Digikey	FCE17-B25SM-250-ND	Amphenol	FCE17-B25SM-250	1	
①	1x100		14	SBHCSCREW 0.164-32x0.375-HX-N 8-32x3/8 Button			92949A192			2	



MBARI BOM											
WO Placed	Ordered	Kitted	ITEM NO.	SW-File Name(File Name)	Vendor	VendorNo	Manufacturer	ManufacturerNo	ASSY. QTY.	Build QTY.	
(20) 15			1	92510A625_ALUM UNTHRD SPACER (2)	McMaster Carr	92510A625			6		
X	above		2	#8 Regular LW 0.164	McMaster Carr	92146A545			6		
X	1x100		3	8-32x1/4 HX-SHCS 0.164-32x0.25x0.25-N		92196A144			6		
X	above		4	#8 Regular LW 0.164SS-316		92146A545			34		
X	above		5	8-32x1/4 HX-SHCS 0.164-32x0.25x0.25-N-SS-316		92196A144			4		
Should be 3/16 - 1/4" Standoff			6	num8x3-16AlumSpacer	McMaster Carr	92510A600	9251	Should be a standoff	4		
X	other side		7	4-40x1/4 HX-SHCS 0.112-40x0.25x0.25-N		92196A106			3		
X	1x100		8	4-40x1/2 HX-SHCS 0.112-40x0.5x0.5-N		92196A110			3		
(1) 1x25			9	SHCS 8-32x.5 18-8 Low Profile	McMaster Carr	93615A320			1		
X	1x100		10	8-32x1/2 HX-SHCS 0.164-32x0.5x0.5-N-SS-316		92196A194			2		
X	1x100		11	8-32x1 HX-SHCS 0.164-36x1x1-N-SS-316		92196A199		Should be 8-32 x 1			
X	1x100		12	#8 Narrow FW 0.164SS-316		92141A009			6		
X	1x100		13	8-32x3/8 HX-SHCS 0.164-32x0.375x0.375-N-SS-316		92196A192			13		
X	1x100		14	8-32x3/4 HX-SHCS 0.164-32x0.75x0.75-N-SS-316		92196A197			6		
(1) 1x100			15	M4x16 B18.3.TM - 4 x 0.7 x 16 Hex SHCS - 16NHX		91292A118			2		
(15) 15			16	92745A321_NYLON 6-6 MALE-FEM THRD HEX STANDOFF	McMaster Carr	92745A321			6		
X	1x100		17	4-40x3/8 HX-SHCS 0.112-48x0.5x0.5-N-SS-316 .375x.375	McM	92196A108		Should be 4-40 x .375			
X			18	#4 Regular LW 0.112SS-316	McM	92146A530			14		
X	other side		19	4-40x1/4 HX-SHCS 0.112-40x0.25x0.25 18-8	McMaster Carr	92196A106			4		
(1) 1x500			20	98017A624_MIL SPEC. 300 SERIES SS FLAT WASHER	McMaster Carr	98017A624			8		
(1) 1x500	above		21	8-32x3/8 SBHCSCREW 0.164-32x0.375-HX-NSS-316 Button		92949A192			4		
(5) 5			22	#8 1/4" 92510A622_ALUM UNTHRD SPACER (1)	McMaster Carr	92510A622			2		
(20) 5			23	#8 1/2" long 92510A625_ALUM UNTHRD SPACER	McMaster Carr	92510A625			2		

4 on 4-40 x 1/2 need to be 4-40 x 3/8