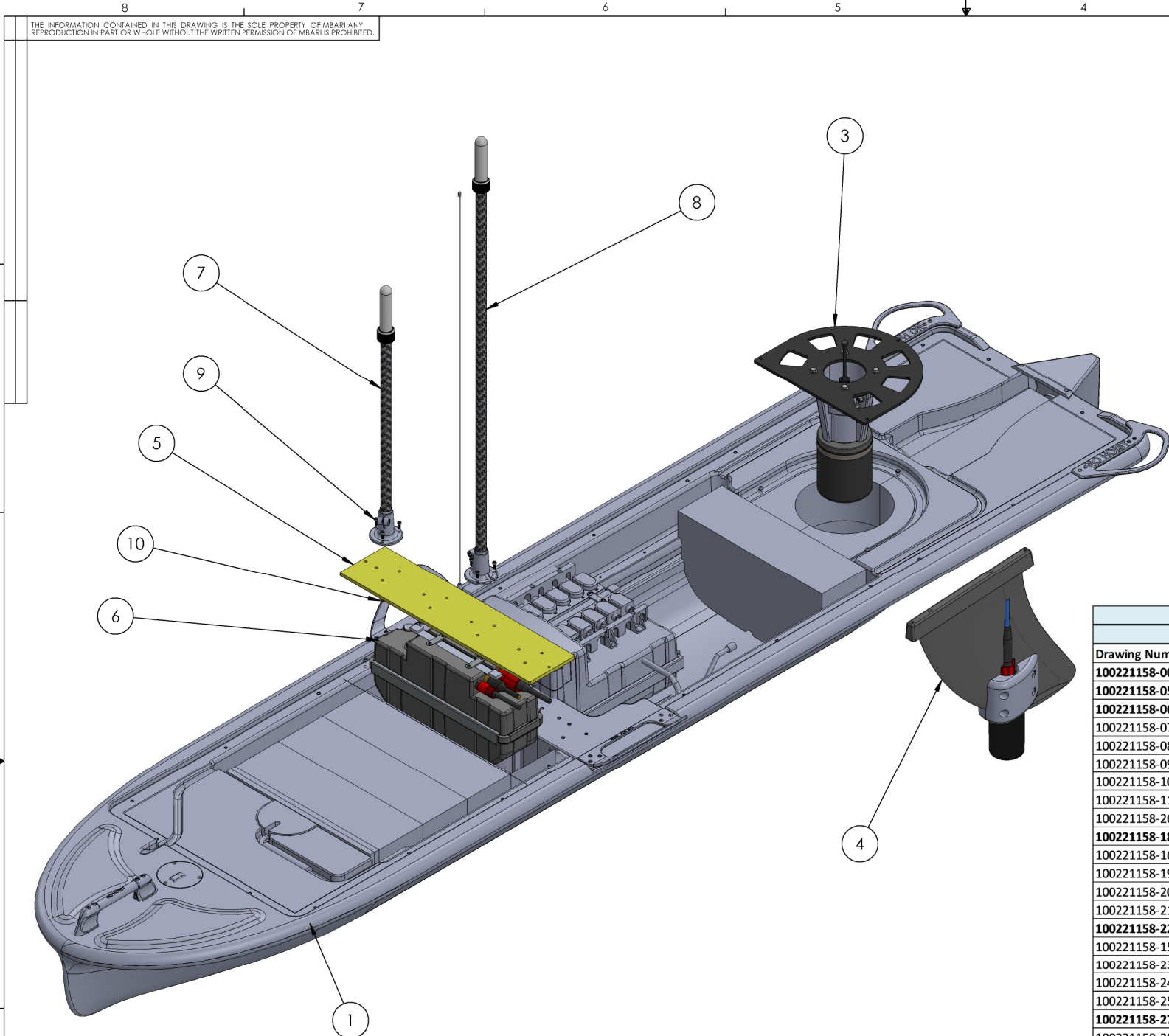




SV3 Wave Glider HotSpot Assembly

NOTES:
1. (c) MBARI 2017 MBARI provides the documentation and materials "as is", with no warranty, express or implied, as to title, non-infringement of third party rights, merchantability, or fitness for any particular purpose, or the performance or results which you may obtain from their use. You assume the entire risk associated with use.

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	SV3 Float with ADCP well	SV3 float with ADCP well	1
2	SV-3 CCU	MarkCustomPartTemplate	1
3	100221158-27_LFDirectionalWellAssembly	SV3 LF directional transducer ADCP well mount assembly	1
4	100221158-22_DAT_SkegAssembly	SV3 skeg assembly with mounted DAT transducer	1
5	10020997-13_SV3AntennaTurtleDeck	SV3 Model Replacement Wave Glider Turtle Deck for supporting three additional antenna locations.	1
6	100221158-05-ASM_HotSpot_1U_Payload	HotSpot 1U payload	1
7	10020997-00-ASM_AntennaAssembly_0.5Meter	0.5 meter antenna assembly	1
8	10020997-00-ASM_AntennaAssembly_1Meter	1 meter antenna assembly	1
9	92185A242	#10-24 SST Socket head cap screw	6
10	92463A303	#10-24 SST Binding post 1/4" long, 0.25" OD	6

Wave Glider SV3 HotSpot 1U Payload Box Drawing List		
Mechanical Drawings		
Drawing Number	Description	Model Filename
100221158-00-ASM	SV3 MBARI HotSpot top level assembly	100221158-00-ASM_SV3HotSpotAssembly.SLDASM
100221158-05-ASM	1U HotSpot payload box assembly	100221158-05-ASM_HotSpot_1U_Payload.SLDASM
100221158-06-ASM	HotSpot chassis assembly	100221158-06-ASM_HotSpot_1U_ChassisAssembly.SLDASM
100221158-07-DWG	Chassis SMC mounting plate	100221158-07_ChassisSMCPlate.SLDPRT
100221158-08-DWG	Connector backing plate	100221158-08_BackingPlate.SLDPRT
100221158-09-DWG	Chassis top plate	100221158-09_ChassisTopPlate.SLDPRT
100221158-10-DWG	Chassis Benthos modem bracket	100221158-10_BenthosBracket.SLDPRT
100221158-11-DWG	1U HotSpot payload box modifications	100221158-11_SV3_1_MPU_BOX_Modified.SLDASM
100221158-26-DWG	AHRS modified mount plate for the Benthos DAT modem	100221158-26_AHRSMountPlate.SLDPRT
100221158-18-ASM	LF directional transducer WaveGlider skeg mount assembly	100221158-18_LFDirectionalFinAssembly.SLDASM
100221158-16-DWG	LF directional transducer mounting plate	100221158-16_LFDirectionalMountPlate.SLDPRT
100221158-19-DWG	LF directional transducer starboard fairing	100221158-19_StarboardLFDirectionalFairing.SLDPRT
100221158-20-DWG	LF directional transducer port fairing	100221158-20_PortLFDirectionalFairing.SLDPRT
100221158-21-DWG	LF directional skeg modifications	100221158-21_SV3_Skeg_PN05954_ModifiedLFDirectional.SLDPRT
100221158-22-ASM	WaveGlider skeg assembly - DAT transducer	100221158-22_DAT_SkegAssembly.SLDASM
100221158-15-DWG	DAT transducer mounting plate	100221158-15_DAT_MountPlate.SLDPRT
100221158-23-DWG	DAT transducer starboard fairing	100221158-23_StarboardDATTransducerFairing.SLDPRT
100221158-24-DWG	DAT transducer port fairing	100221158-24_PortDATTransducerFairing.SLDPRT
100221158-25-DWG	SV3 Skeg modified for DAT transducer	100221158-25_SV3_Skeg_PN05954_ModifiedForDAT.SLDPRT
100221158-27-ASM	LF directional transducer WaveGlider well mount assembly	100221158-27_LFDirectionalWellAssembly.SLDASM
100221158-28-DWG	LF directional transducer well mount top mounting plate	100221158-28_LFDirectionalTopPlate.SLDPRT
100221158-29-DWG	LF directional transducer well mount clamp barrel	100221158-29_LFDirectionalClampBarrel.SLDPRT
10020997-00-ASM	WaveGlider antenna assembly	10020997-00-ASM_AntennaAssembly.SLDASM
10020997-01-DWG	Antenna mounting base part	10020997-01_AntennaBase.SLDPRT
10020997-01-DWG	Antenna base clamp piece	10020997-02_AntennaBase_Clamp.SLDPRT
10020997-03-ASM	Complete antenna base assembly	10020997-03_AntennaBaseAssembly.SLDASM
10020997-04-DWG	Lower glue ferrule for carbon tube	10020997-04_AntennaLowerFerrule.SLDPRT
10020997-04-DWG	Upper glue ferrule for carbon tube	10020997-05_AntennaUpperFerrule.SLDPRT
10020997-13-DWG	SV3 turtle deck for antenna mounting	10020997-13_SV3AntennaTurtleDeck.SLDPRT
Wave Glider SV3 HotSpot 1U Payload Box Drawing List		
Electrical Drawings		
Drawing Number	Description	Schematic Filename
100221158-00-SCH	Electrical System Diagram	HOTSPOT_SV3_PAYLOADBOX.DSN
100221158-01-SCH	Wiring Diagram	HOTSPOT_SV3_PAYLOADBOX.DSN
100221158-02-SCH	Acoustic modem connectors	HOTSPOT_SV3_PAYLOADBOX.DSN
100221158-03-SCH	CCU to payload cable	HOTSPOT_SV3_PAYLOADBOX.DSN
100221158-04-SCH	Transducer cable	HOTSPOT_SV3_PAYLOADBOX.DSN

Shop / Q.C.		UNLESS OTHERWISE SPECIFIED		TOLERANCES ARE		APPROVALS		DATE		Monterey Bay Aquarium Research Institute	
Inspector						DRAWN		MRC 01/05/2017		MBARI	
Shop Foreman						ENGINEER		MARK CHAFFEY		7700 Sandholdt Rd.	
Engineer								(831) 775-1708		Moss Landing, CA 95039	
								chm@mba.org		PH: (831) 775-1700	
NEXT ASSY Description	NEXT ASSY Number					PROJECT No.		9014011		PROJECT Name	
						PROJECT Name		WaveGlider HotSpot		REV. A	
APPLICATION						WEIGHT				SCALE	
						DO NOT SCALE DRAWING				SHEET 11 OF 11	