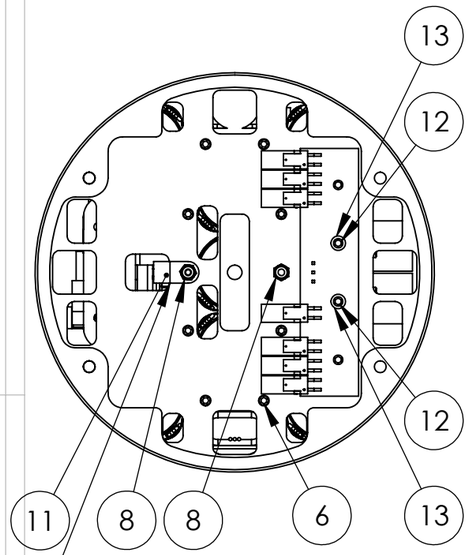
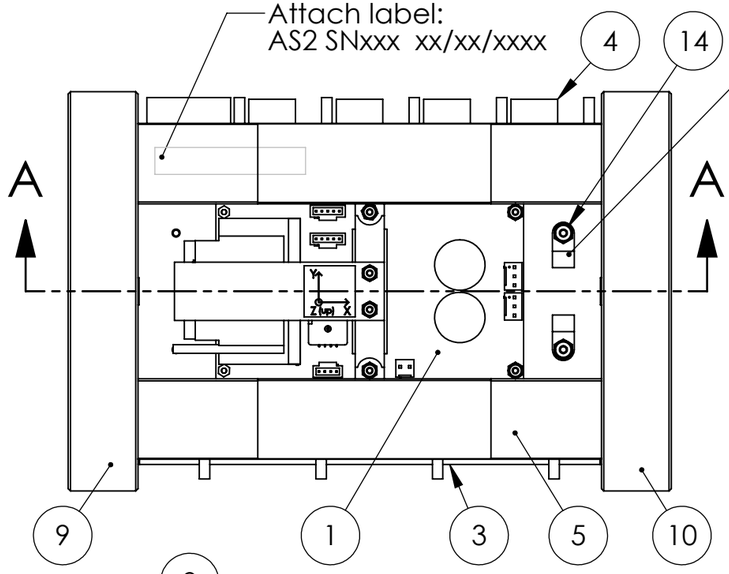
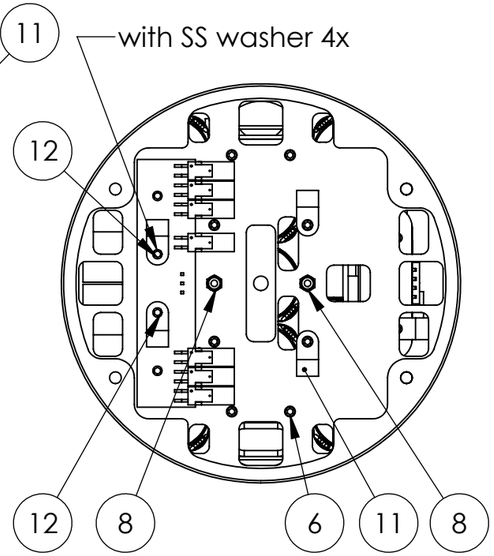
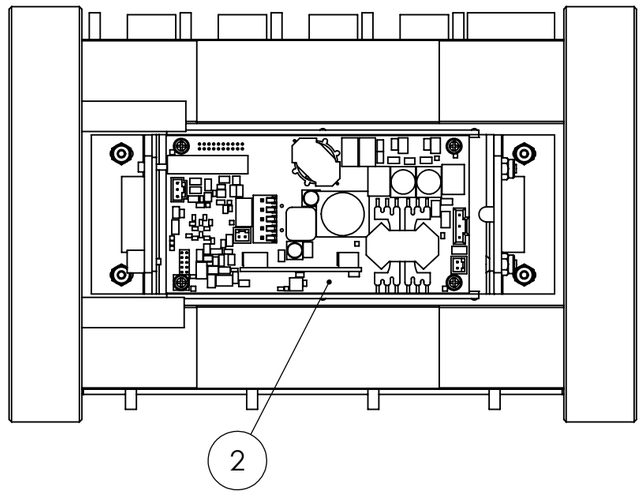
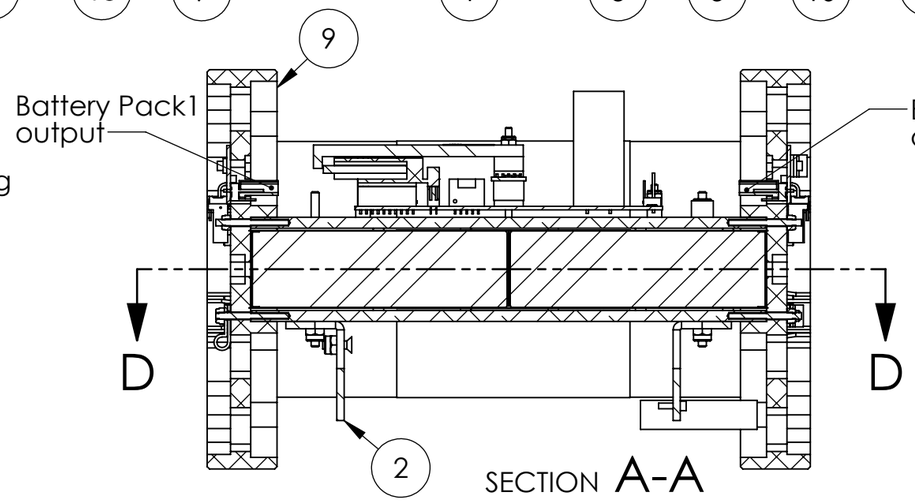




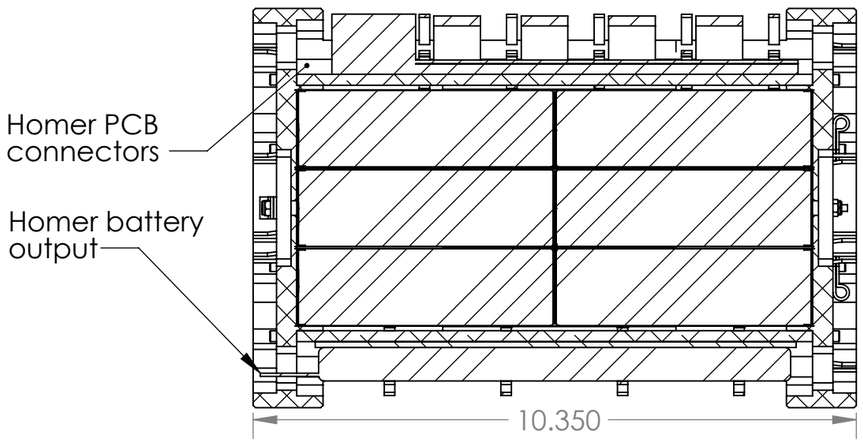




Install BEDS Homer Power Extension with heatshrinking 5/8 wide x 1.25 long



SECTION A-A



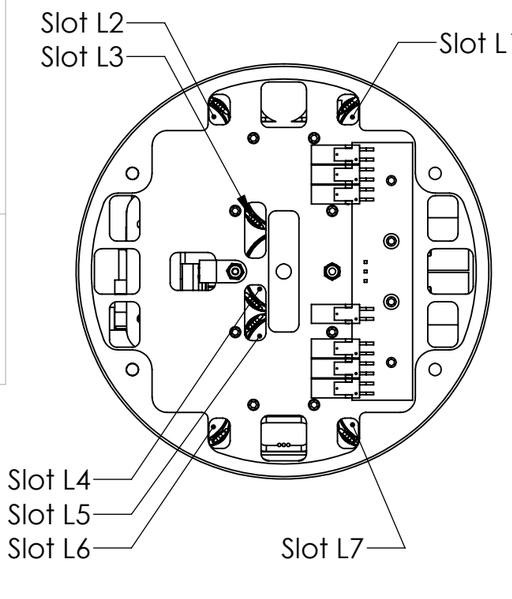
SECTION D-D

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	10020895-AS4_MotherBoard-Plate-Assembly		1
2	10020895-AS5_Modem-Plate-Assembly		1
3	10020895-AS6_Homer-Battery-Plate-Assembly		1
4	10020895-AS7_Homer-PCB-Plate-Assembly		1
5	10020895-BSA1_BatteryStickAssembly		7
6	ScrewSocketHeadCap-4-40x0.750		16
7	Socket-Deep-0.375xDrive0.250		2
8	Nut-NylonLock-4-40		4
9	10020895-AS3L_Battery-End-Cap-Assembly		1
10	10020895-AS3R_Battery-End-Cap-Assembly		1
11	ClampCable-0.187-PN7622K-ND		7
12	ScrewSocketHeadCap-4-40x0.375		4
13	Washer-#4x0.062		2
14	Nut-NylonLock-6-32		2

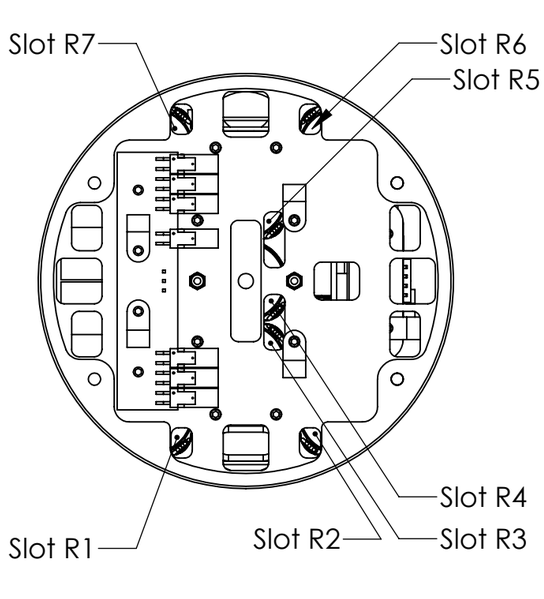
Shop / Q.C.	UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:	CONCEPT DESIGN DATE: D. Graves 08/2012	Monterey Bay Aquarium Research Institute MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700
Inspector	1 PLACE DIM ±1/16 · 2 PLACE DIM ±.02 · 3 PLACE DIM ±.005 · ANGLES ±1°	INITIAL RELEASE DATE: Klimov 02/08/2013	
Shop Foreman	1. DIMENSIONS ARE IN INCHES 2. DIMENSION LIMITS HELD AFTER PLATING. 3. REMOVE BURRS AND SHARP EDGES .015 MAX.	LAST REVISION DATE: Klimov 11/25/2013	
Engineer	4. MACHINED FILLET RADII .0150-.030. 5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005	CHECKED DATE: xx xx/xx/xxxx	DRAWING NAME and FILE NAME: 10020895-AS2_Electropack-Assembly
NEXT ASSY Description	6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH, MAX .012 INCHES FOR SINGLE SURFACE.	PROJECT NO.: 901006	SIZE B · DWG. NO. 10020895-AS2 · REV.
Application	DO NOT SCALE DRAWING	PROJECT NAME: BEDS	SCALE 1:2.6 · SHEET 1 OF 2

Battery Slot Allocation and Recording

AS3-LEFT (AS3L)



AS3-RIGHT (AS3R)



Slot #	Model	Part#	Voltage	Batch#	SN#	Conn
Slot L1						
Slot L2						
Slot L3						
Slot L4						
Slot L5						
Slot L6						
Slot L7						
Slot R7						
Slot R6						
Slot R5						
Slot R4						
Slot R3						
Slot R2						
Slot R1						

Checklist: Battery Sticks Recording Sequence

1. Verify all Battery Sticks have the same model and part#; write down
2. Check voltage on each side of stick, if both within specs, write down
3. Mark stick sides with Lx and Rx numbers respectively
4. Write down batch number and Serial Number of cells into table

Checklist: Assembly Sequence

1. Identify assemblies "-AS3 LEFT", and "-AS3 RIGHT"
2. Install assml -AS4, 5, 6, 7 into -AS3L, fix with 4-40 Nylon Insert Nuts on 4-40 studs, 6in-lb 2x; and 4-40x3/4 SHS, 6 in-lb 8x, 2 rounds
3. Position -AS3 LEFT Assembly on BEDS Stand Pipe
4. Populate with battery sticks, positioning to corresponding "Slot Lx" battery slots
5. Make sure Batery Sticks oriented at 45 deg so output harnesses pass -AS3 LEFT Assembly without interference
6. Install -AS3R Assembly and fix with with 4-40 Nylon Insert Nuts on 4-40 studs; 6 in-lb, 2x; and 4-40x3/4 SHS, 6 in-lb 8x, 2 rounds
7. Plug Battery Stick connectors into corresponding connectors J1...J7 on BCB board according to slot number
8. Verify voltage on Test Points and record: Voltage AS3L:_____ Voltage AS3R:_____
9. Verify overall length of the assembly at 4 quadrants _____ _____ _____ _____
10. Install BEDS Homer Power Extension
11. Re-torque screws to specified torque

Built Date:_____
Built by:_____
AS2 SN_____

Shop / Q.C.	UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:	CONCEPT DESIGN / DATE	Monterey Bay Aquarium Research Institute MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700
Inspector	1 PLACE DIM ±1/16 · 2 PLACE DIM ±.02 · 3 PLACE DIM ±.005 · ANGLES ±1°	INITIAL RELEASE / DATE	
Shop Foreman	1. DIMENSIONS ARE IN INCHES 2. DIMENSION LIMITS HELD AFTER PLATING. 3. REMOVE BURRS AND SHARP EDGES .015 MAX. 4. MACHINED FILLET RADII .015/-.030. 5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005	LAST REVISION / DATE	DRAWING NAME and FILE NAME 10020895-AS2_Electropack-Assembly
Engineer		CHECKED / DATE	
NEXT ASSY Description	6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH, MAX .012 INCHES FOR SINGLE SURFACE.	PROJECT NO.	SIZE B · DWG. NO. ref sheet 1 · REV.
Application	DO NOT SCALE DRAWING	PROJECT NAME	SCALE 1:2.5 · SHEET 2 OF 2

ref sheet 1 / ref sheet 1 / ref sheet 1 / ref sheet 1 / ref sheet 1 / ref sheet 1 / ref sheet 1 / ref sheet 1