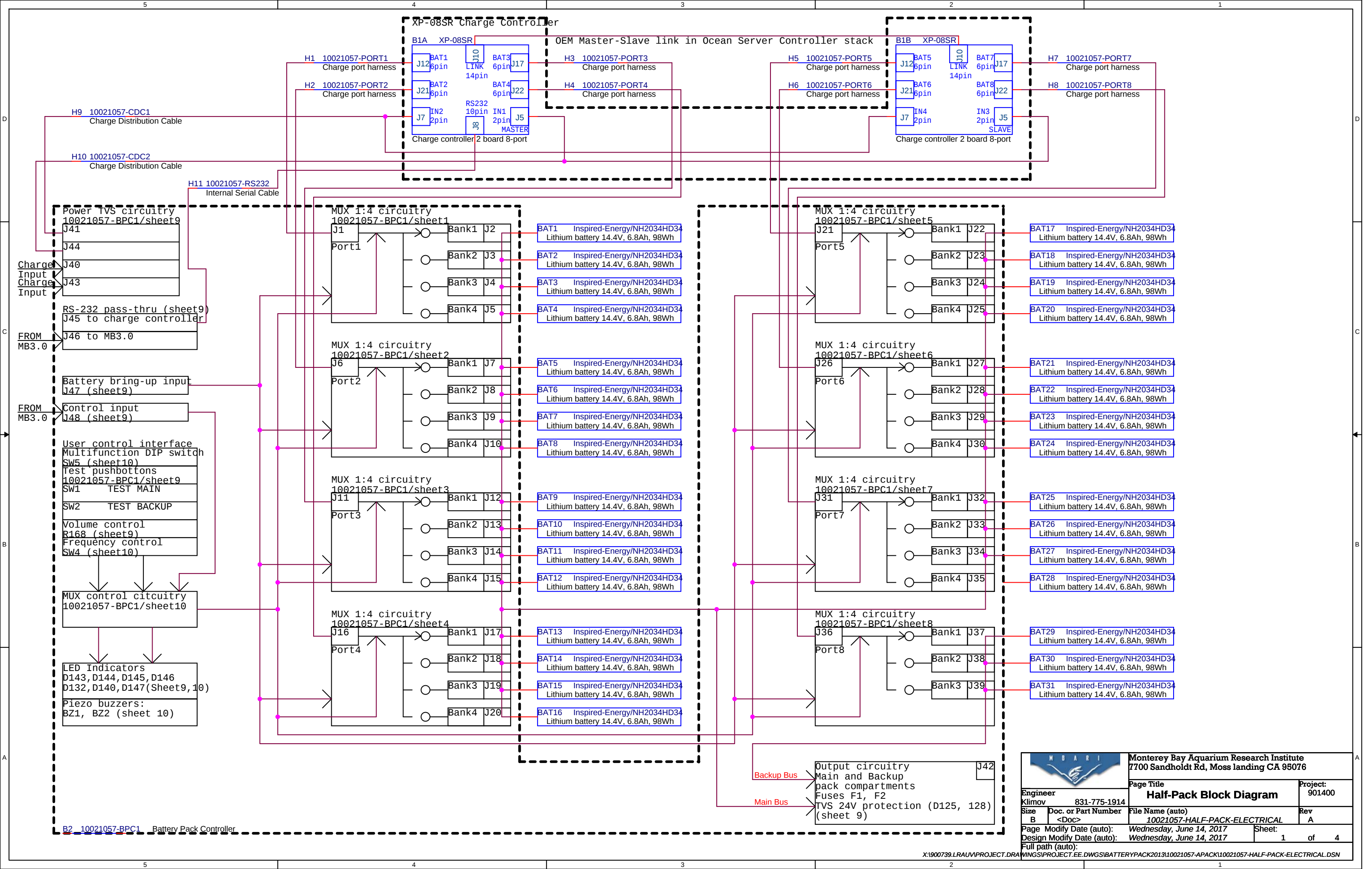
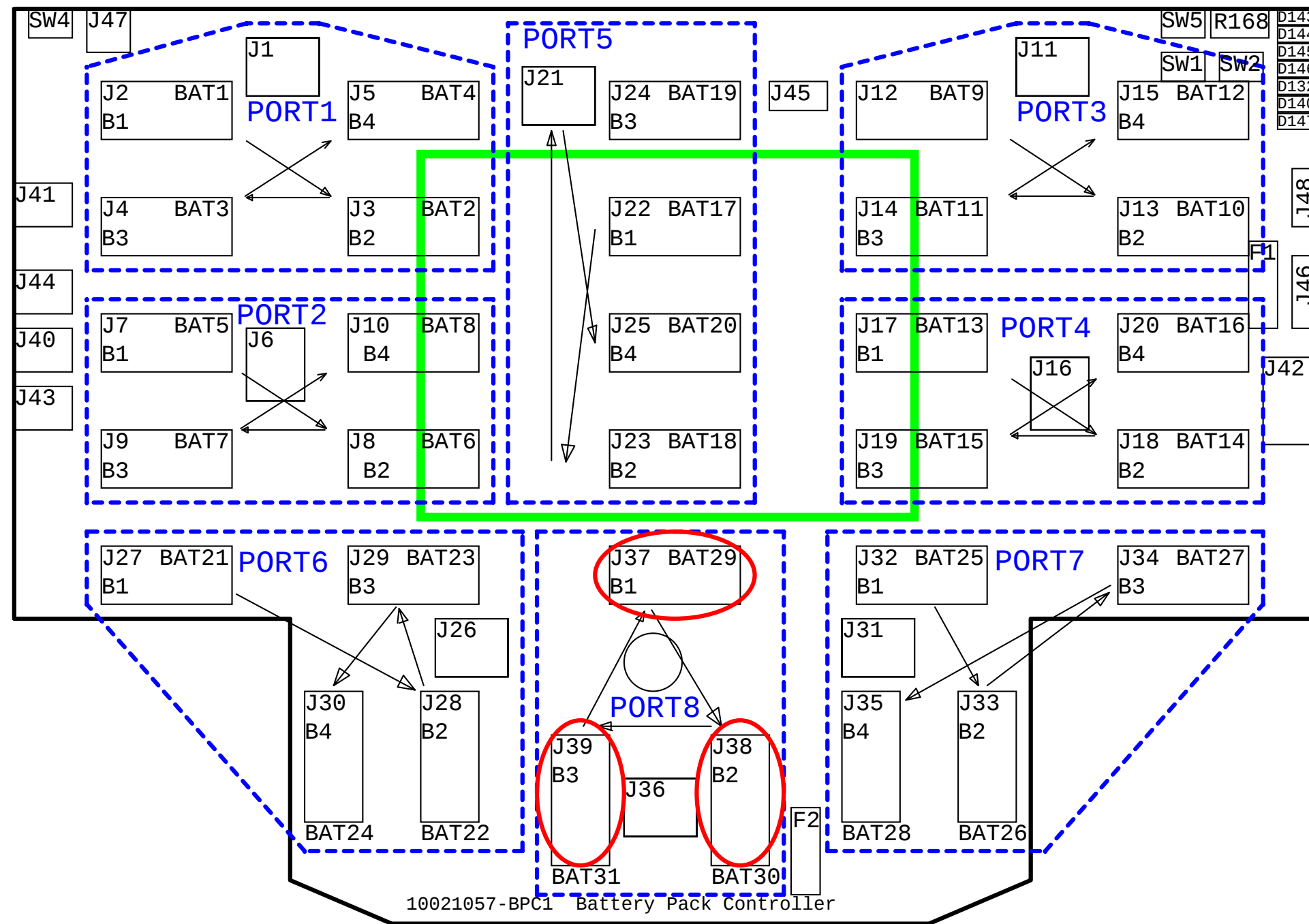




Half-Pack charge ports and battery sticks positions with bank switching sequence View from the front of Half-Pack



Legend:

- Blue perimeter = Charge Ports 1...8, and corresponding battery sticks (BAT1... BAT31) plugged to particular port
- Jx BATx
Bx Battery sticks grouped with port number (plug in to Battery Pack Controller from the back)
- Red Oval = Backup battery sticks; 3 ea in each half-pack
- Bank switching sequence B1=>B2=>B3=>B4 within the port group
- XP-08SR Charge Controller, 2-board stack shown with single outline (mounted in front of BPC controller board)

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		Page Title Half-Pack Charge Ports	Project: 901400
Engineer Klimov	831-775-1914	File Name (auto) 10021057-HALF-PACK-ELECTRICAL	Rev A
Size B	Doc. or Part Number <Doc>	Page Modify Date (auto): Wednesday, June 14, 2017	Sheet: 2 of 4
Design Modify Date (auto): Wednesday, June 14, 2017		Full path (auto): X:\900739.LRAUV\PROJECT.DRAWINGS\PROJECT.EE.DWGS\BATTERYPACK2013\10021057-APACK\10021057-HALF-PACK-ELECTRICAL.DSN	

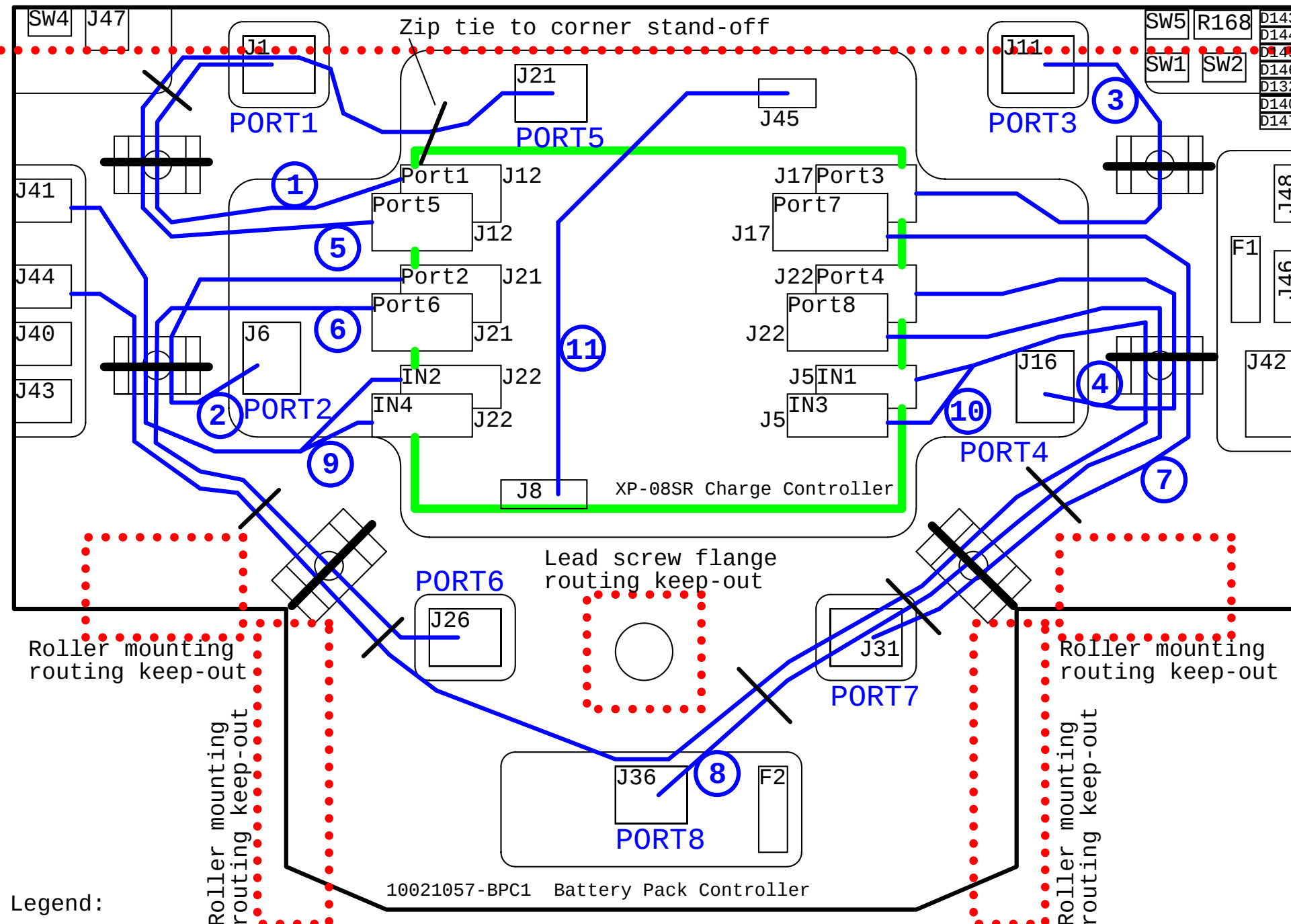
Half-Pack charge controller ports locations and wire harness routing

View from the front of Half-Pack

Edge of the pack routing keep-out

Wire harness list

Item	Ref	Quantity	Part Number
1	H1	1	10021057-PORT1
2	H2	1	10021057-PORT2
3	H3	1	10021057-PORT3
4	H4	1	10021057-PORT4
5	H5	1	10021057-PORT5
6	H6	1	10021057-PORT6
7	H7	1	10021057-PORT7
8	H8	1	10021057-PORT8
9	H9	1	10021057-CDC1
10	H10	1	10021057-CDC2
11	H11	1	10021057-RS232

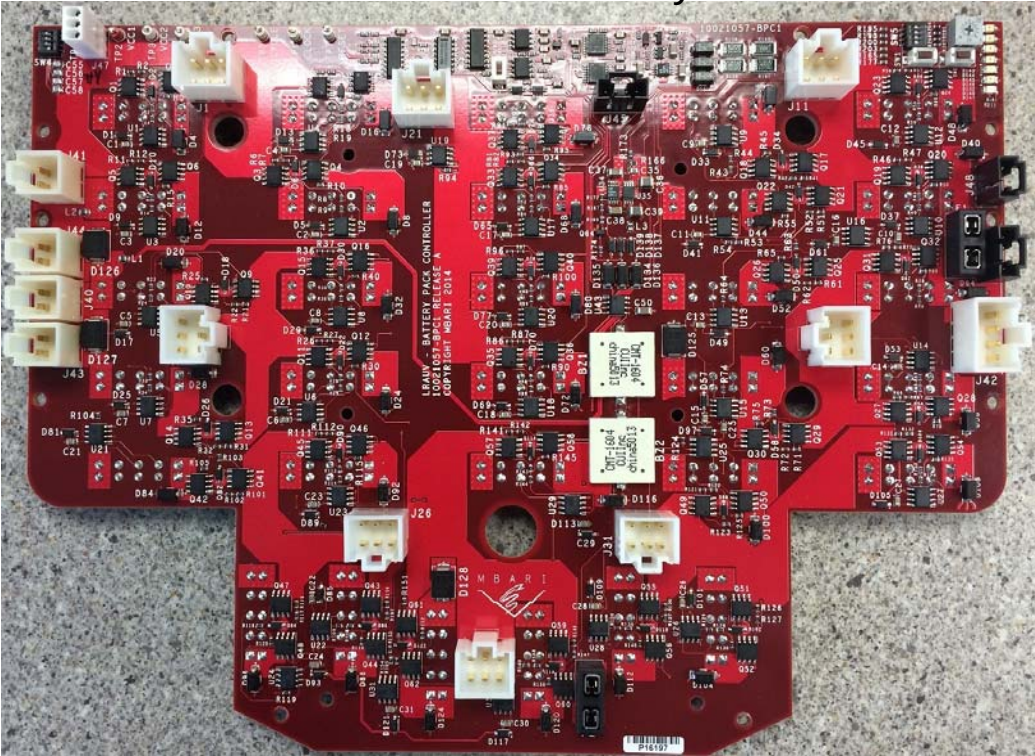


Legend:

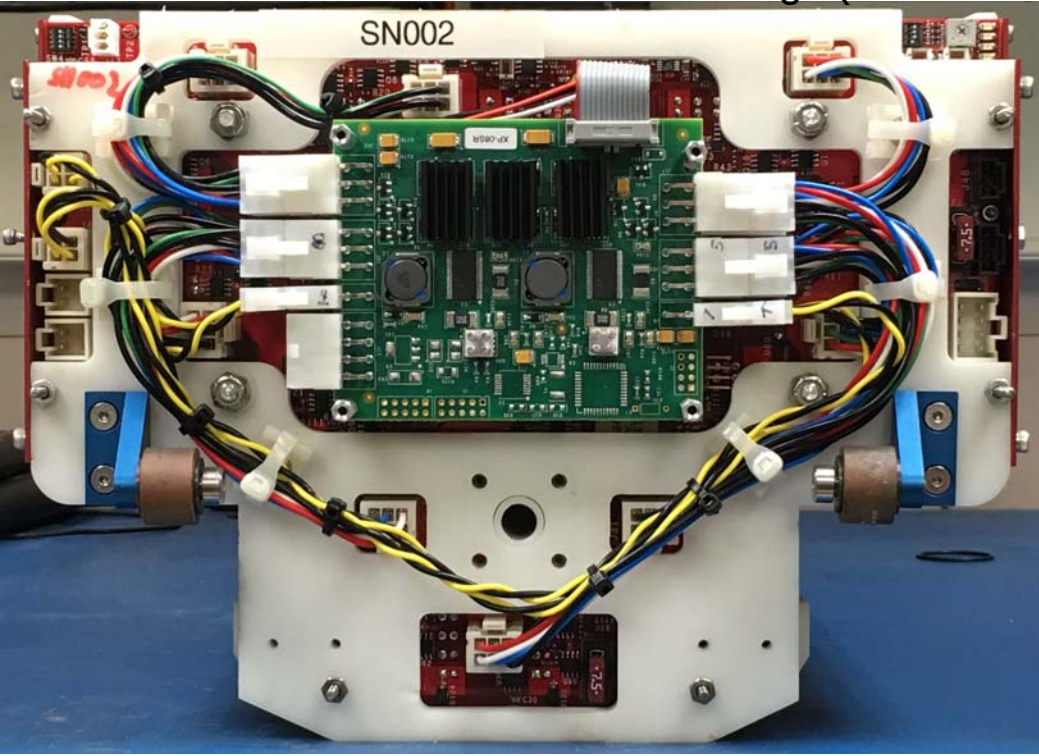
- Wire harness with item number
- Zip tie standard (0.17" wide x 0.05" thick), attach to cable tie mounts, 6 places
- Zip tie narrow (0.10" wide x 0.04" thick), 7 places
- XP-08SR Charge Controller board outline (Master only shown)
Master, lower level: Ports 1-4, inputs IN1, IN2; RS232 connector J8
Slave, higher level: Ports 5-8; inputs IN3, IN4 (outline now shown for clarity)
- Wire harnesses routing keep-out area

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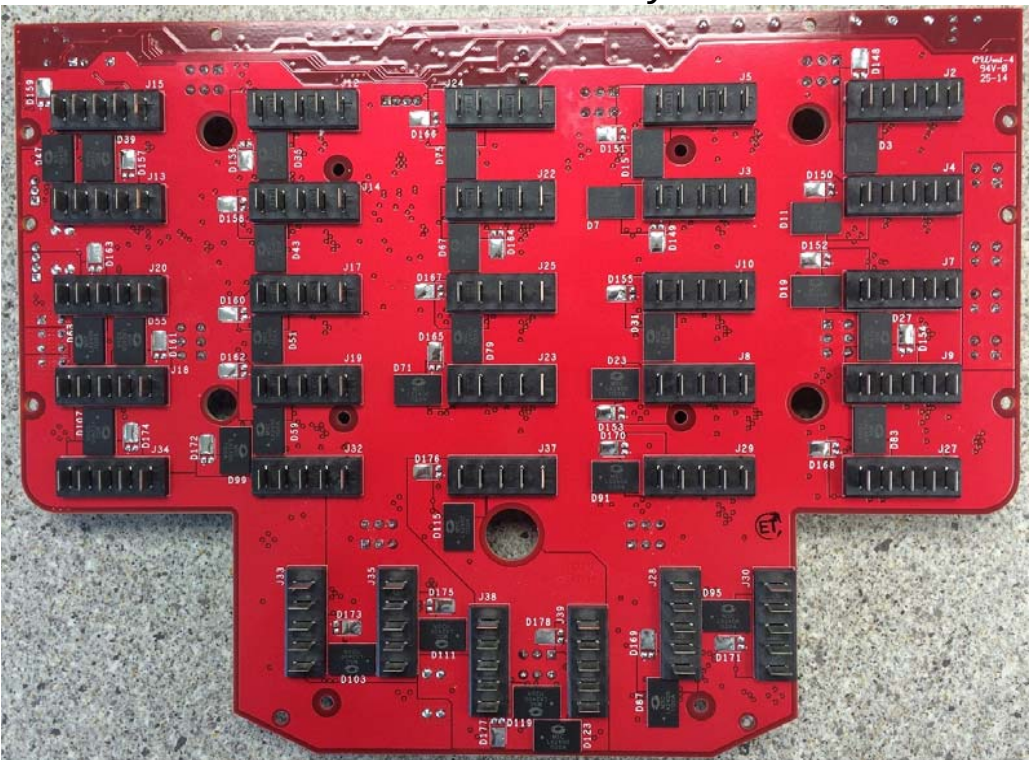
Front side view of Battery Pack Controller board



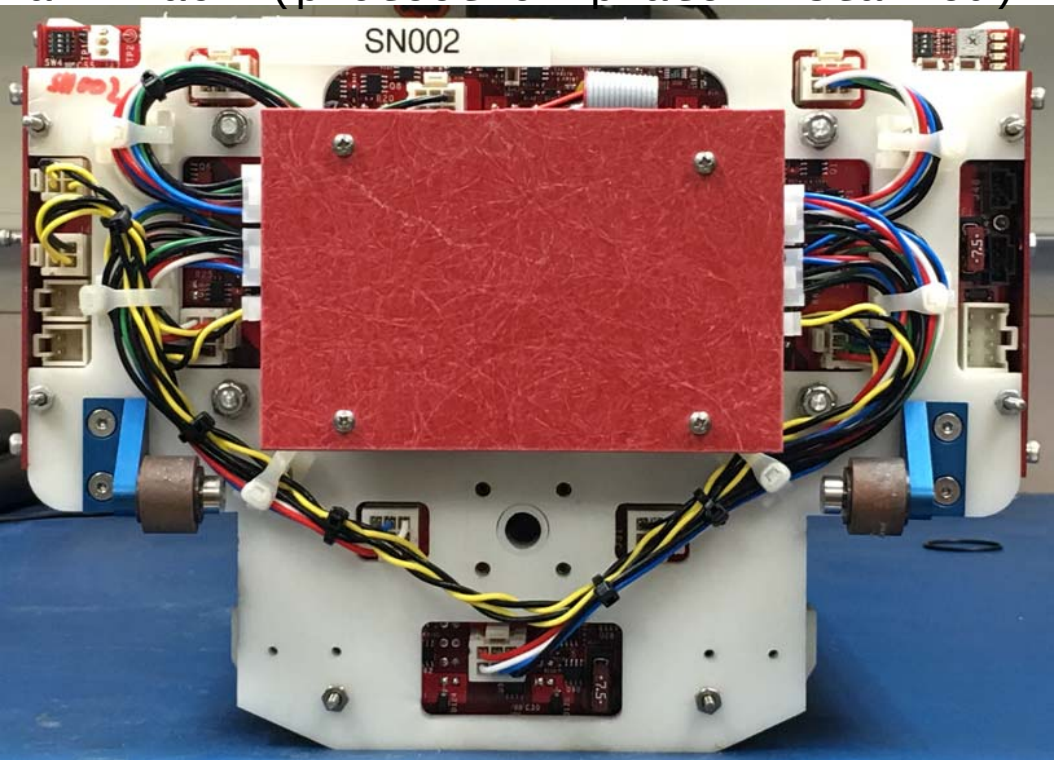
Half-Pack wire harness routing (Front Side view)



Back side view of Battery Pack Controller board



Half-Pack (protection plate installed)



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