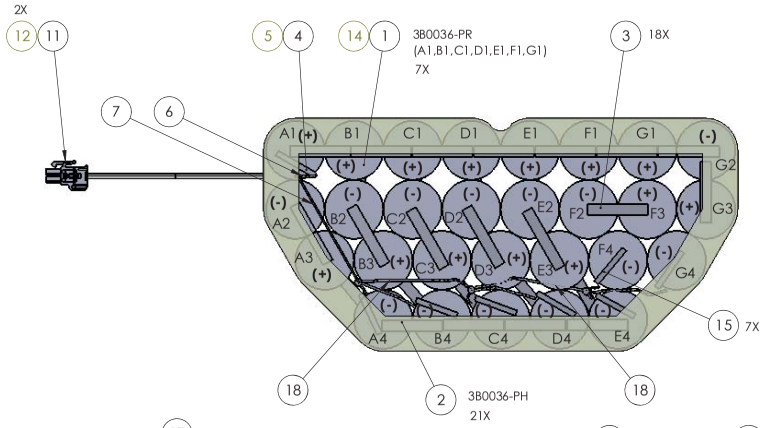
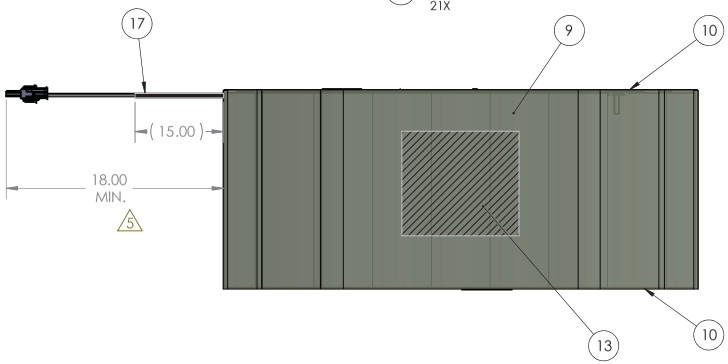
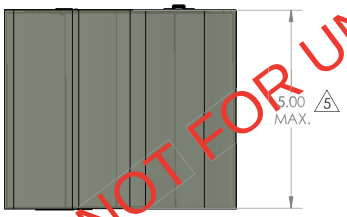
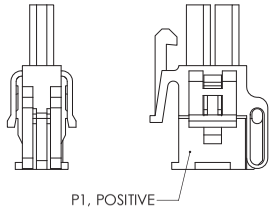
REVISIONS				
REV.	DESCRIPTION	DATE	BY	CR #
2.	DRAWING UPDATED, WIRE EXIT LOCATION UPDATED.	8/13/10	ML	
003	REVISED DWG & BOM.	5/[illegible]/14	R.S.	

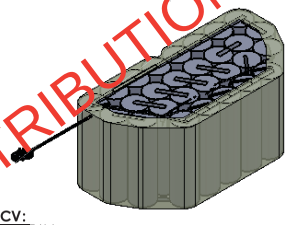
TOP VIEW
INSULATOR, ITEM 10 REMOVED FOR CLARITY





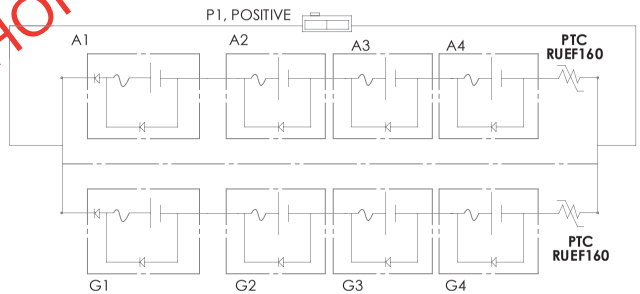






PACK OCV/CCV:
OCV: 15.48V - 15.76V
CCV: 13.1 V - 15.48V UNDER 7A (2 OHM LOAD) 6
CELL STRING OCV/CCV:
OCV: 15.48V - 15.76V
CCV: 13.1 V - 15.48V UNDER 1A (14 OHM LOAD)

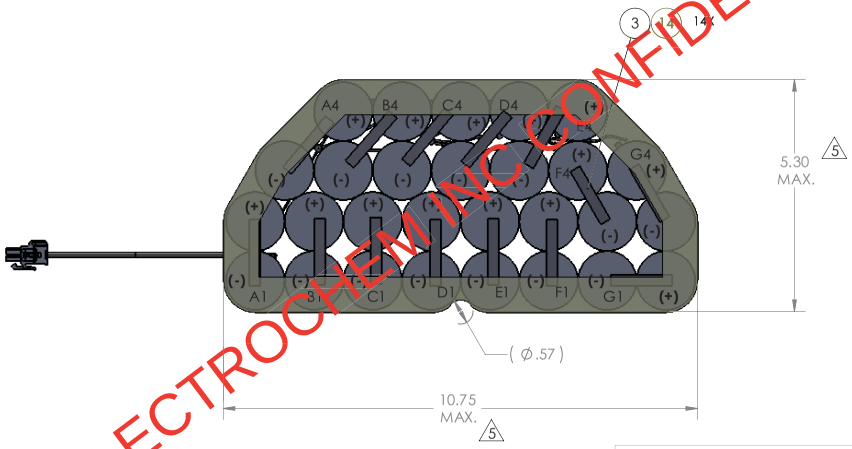
TYP. CELL STRING (7X)



ELECTRICAL SCHEMATIC

NOTES:

1. ASSEMBLE PACK PER MANUFACTURING PROCESS INSTRUCTION 3MP
2. CRIMP TOOL: AMP 91594-1.
3. WIRE ASSY/MATING CONNECTOR (ITEM 16) TO SHIP WITH BATTERY PACK. (NOT SHOWN)
4. AMP: 794184-1, P1 POSITIVE - P2 NEGATIVE.
5. VERIFY AND RECORD PACK INFORMATION ON TEST FORM 3PD1489, ATTACHMENT 2,3.
6. PERFORM OCV / CCV / BLOCKING DIODE TEST.



BOTTOM VIEW
INSULATOR, ITEM 10 REMOVED FOR CLARITY

ITEM NO.	QTY.	DESCRIPTION	PART NUMBER
18	2	WIRE, TFE, INSUL,16 AWG, BLK (5.00" LG)	90151-72
17	1	SHRINKTUBE, .187DIA. X 15.00"LG.	90104-02
16	1	WIRE ASSY/MATING CONNECTOR	3B5374
15	7	PTC, WIRE ASSY (PTC - RUEF160)	3B5370
14	A/R	TAPE, KAPTON 1.00"WIDE.	90098-01
13	1	LABEL, BATTERY PACK CUSTOM	3B2438
12	2	TERMINAL, CRIMP (AMP:794230-1)	50016-173
11	1	CONNECTOR, HOUSING (AMP:794184-1)	50017-115
10	2	INSULATOR, VULC FIBER .015"THK.	3B6312
9	A/R	COMPOSITE FILM, 3.00"WIDE.	50070-04
8	A/R	HOTMELT, ADHESIVE	90110-02
7	1	WIRE, TFL INSUL, 16AWG - BLK (25.0" LG)	90151-72
6	1	WIRE, TFL INSUL, 16AWG - RED (20" LG)	90151-71
5	1	SHRINKTUBE, .093"DIA. X .625"LG.	90104-03
4	1	LEAD, NICKEL .005 X .125 X 1.50"LG	90019C-06
3	32	LEAD, NICKEL .005 X .250 X 1.50" LG	90019C-05
2	21	CELL, MODEL CSC93 DD (SHUNT)	3B0036-PH
1	7	CELL, MODEL CSC93 DD (SERIES/SHUNT)	3B0036-PR

PROPRIETARY AND CONFIDENTIAL

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NEXT ASSY | USED ON
APPLICATION

DIMENSIONS ARE IN INCHES
TOLERANCES:
FRACTIONAL ±
ANGULAR: MACH ± BEND ±
TWO PLACE DECIMAL ± 0.01
THREE PLACE DECIMAL ± 0.005

MATERIAL
FINISH
DO NOT SCALE DRAWING

	NAME	DATE
DRAWN	ML	3/31/10
CHECKED		
ENG APPR.		
MFG APPR.		--
Q.A.		

Greatbatch

Clarence, NY ELECTROCHEM Raynham, MA

MBARI, BENTHIC ROVER (4S/7P)

SIZE C | DWG. NO. 3PD1489 | REV. 003

SCALE: 1:2 | WEIGHT: | SHEET 1 OF 1

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