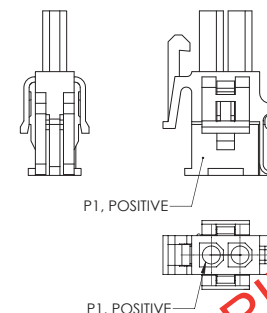
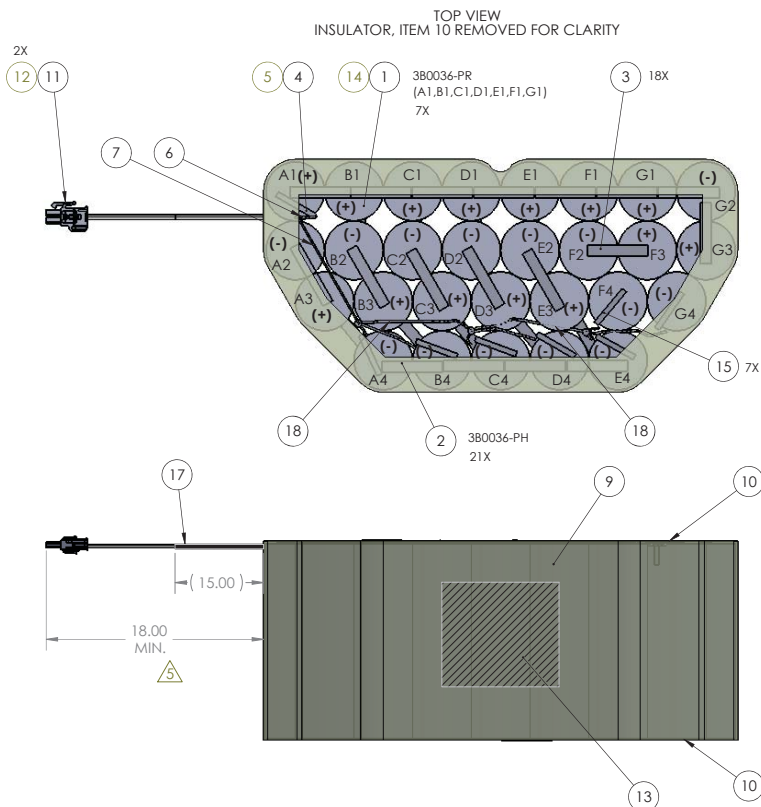
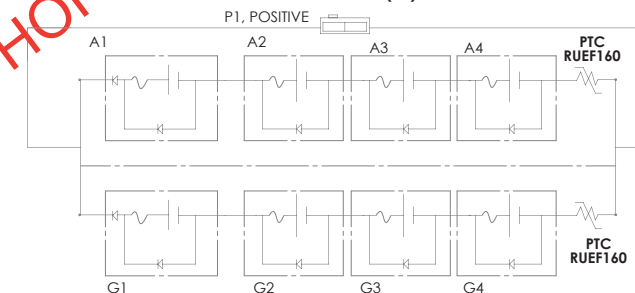


REVISIONS				
REV.	DESCRIPTION	DATE	BY	CR #
2.	DRAWING UPDATED, WIRE EXIT LOCATION UPDATED.	8/13/10	ML	
003	REVISED DWG & BOM.	5/7/11	R.S.	



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

TYP. CELL STRING (7X)



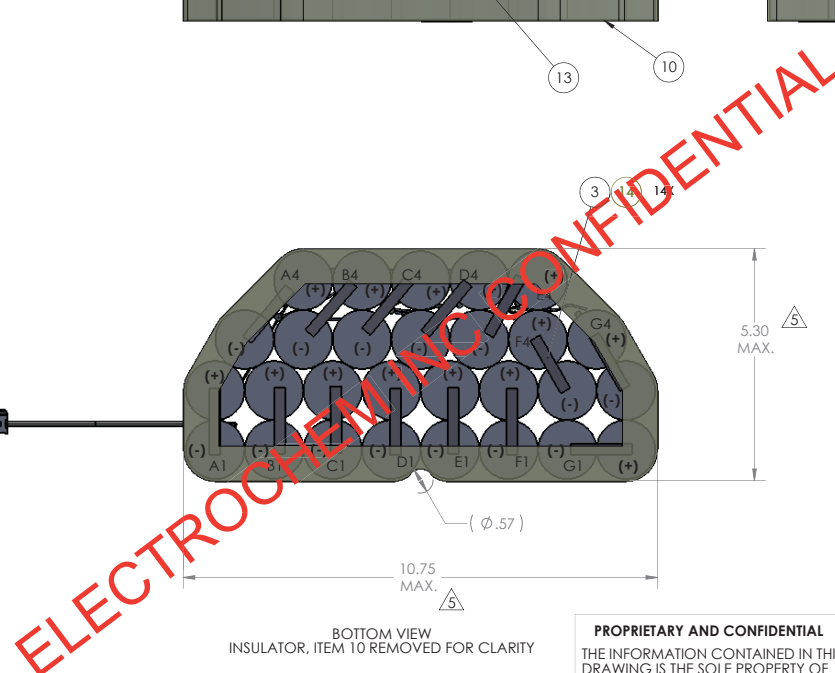
NOTES:

- ASSEMBLE PACK PER MANUFACTURING PROCESS INSTRUCTION 3MP
- CRIMP TOOL: AMP 91594-1.
- WIRE ASSY/MATING CONNECTOR (ITEM 16) TO SHIP WITH BATTERY PACK. (NOT SHOWN)
- AMP: 794184-1, P1 POSITIVE - P2 NEGATIVE.
- VERIFY AND RECORD PACK INFORMATION ON TEST FORM 3PD1489, ATTACHMENT 2.3.
- PERFORM OCV / CCV / BLOCKING DIODE TEST.

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 - RUEFT160)	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
ITEM NO.	QTY.	DESCRIPTION	PART NUMBER

DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ± ANGULAR: MACH ± BEND ± TWO PLACE DECIMAL ± 0.01 THREE PLACE DECIMAL ± 0.005		NAME ML		DATE 3/31/10	
MATERIAL		DRAWN CHECKED		SIZE C	
FINISH		ENG APPR. MFG APPR.		DWG. NO. 3PD1489	
NEXT ASSY		USED ON		SCALE: 1:2	
APPLICATION		DO NOT SCALE DRAWING		WEIGHT:	

PROPRIETARY AND CONFIDENTIAL
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF GREATBATCH. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF GREATBATCH IS PROHIBITED.



TOP VIEW
INSULATOR, ITEM 10 REMOVED FOR CLARITY

BOTTOM VIEW
INSULATOR, ITEM 10 REMOVED FOR CLARITY

REVISIONS

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.

REV.	DESCRIPTION	DATE	BY	CR #
2.	DRAWING UPDATED, WIRE EXIT LOCATION UPDATED.	8/13/10	ML	
003	REVISED DWG & BOM.	5/7/11	R.S.	

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 - RUEFT160)	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

REV.	DESCRIPTION	DATE	BY	CR #
2.	DRAWING UPDATED, WIRE EXIT LOCATION UPDATED.	8/13/10	ML	
003	REVISED DWG & BOM.	5/7/11	R.S.	

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 - RUEFT160)	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

REV.	DESCRIPTION	DATE	BY	CR #
2.	DRAWING UPDATED, WIRE EXIT LOCATION UPDATED.	8/13/10	ML	
003	REVISED DWG & BOM.	5/7/11	R.S.	

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 - RUEFT160)	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

REV.	DESCRIPTION	DATE	BY	CR #
2.	DRAWING UPDATED, WIRE EXIT LOCATION UPDATED.	8/13/10	ML	
003	REVISED DWG & BOM.	5/7/11	R.S.	

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 - RUEFT160)	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

REV.	DESCRIPTION	DATE	BY	CR #
2.	DRAWING UPDATED, WIRE EXIT LOCATION UPDATED.	8/13/10	ML	
003	REVISED DWG & BOM.	5/7/11	R.S.	

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 - RUEFT160)	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

REV.	DESCRIPTION	DATE	BY	CR #
2.	DRAWING UPDATED, WIRE EXIT LOCATION UPDATED.	8/13/10	ML	
003	REVISED DWG & BOM.	5/7/11	R.S.	

ITEM NO.	QTY.	DESCRIPTION	PART NUMBER
18	2	WIRE, TFE, INSUL, 16 AWG, BLK (5.00" LG)	90151-72
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12	2	TERMINAL, CRIMP (AMP:794230-1)	50016-173
11	1	CONNECTOR, HOUSING (AMP:794184-1)	50017-115
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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
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2	21	CELL, MODEL CSC93 DD (SHUNT)	3B0036-PH
1	7	CELL, MODEL CSC93 DD (SERIES/SHUNT)	3B0036-PR

REV.	DESCRIPTION	DATE	BY	CR #
2.	DRAWING UPDATED, WIRE EXIT LOCATION UPDATED.	8/13/10	ML	
003	REVISED DWG & BOM.	5/7/11	R.S.	

ITEM NO.	QTY.	DESCRIPTION	PART NUMBER
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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
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REV.	DESCRIPTION	DATE	BY	CR #
2.	DRAWING UPDATED, WIRE EXIT LOCATION UPDATED.	8/13/10	ML	
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ITEM NO.	QTY.	DESCRIPTION	PART NUMBER
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