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REVISION HISTORY

REV	DESCRIPTION	SALES	RFS	DATE	APPROVED
A	INITIAL RELEASE	MS	24420	3/12/2013	HM

The purchaser of this product (Customer) agrees that it is their sole responsibility to determine suitability of the product described for their application and to take precautions for protection against any hazards attendant to the handling and use of the product. Products sold are not returnable. GlobTek, Inc. will produce or provide its products to our published specifications. The purchaser of this product (Customer) shall be solely responsible for determining the products' fitness for use in their applications.

Customer Approval of Specification:

Please approve, sign and send back to GlobTek so we can complete order processing.

A delay in receipt of this form will delay delivery schedule.

Company Name:

Customer P/N:

Quote Number:

Date:

Authorized Representative Name:

Authorized Representative Signature:

Foot Note:

Globtek Inc. will not be liable for the safety and performance of these power supplies if unauthorized access and repair occurs. End user should consult applicable UL, CSA or EN standards for proper installation instruction.

Limitation of Use:

Globtek product are not authorized for use as mission critical components in life support hazardous environment, nuclear or aircraft applications without prior written approval from the CEO of Globtek Inc.

Contents of this document are subject to change without prior notice

 **GlobTek, Inc.**
www.globtek.com

186 Veterans Drive, Northvale, NJ 07467
 Tel. 201-784-1000 Fax 201-784-0111

Drawing Title: Li-Ion BATTERY PACK with PCM and Fuel Gauge
 7.4 VOLTS @ 4400mAh

MODEL NO: 18650
 PART NO: BL2200C1865002S2PXLG

REV A

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1. GENERAL SPECIFICATION:

BATTERY WITH SAFETY CIRCUIT AND PLASTIC HOUSING

CELL:	18650 SAMSUNG CELL
PCM:	GLOBTEK STANDARD
NTC:	10K OHMS, TOLERANCE 5%
PTC:	1.75A
Fuel Gauge	PN: DS2438 BRAND: MAXIM INTEGRATED
CONFIGURATION:	2S2P
WEIGHT:	245g

2. ELECTRICAL SPECIFICATION:

RATED CAPACITY:	≥4400 mAh@ 0.2C
NOMINAL VOLTAGE:	7.4V
WATT-HOUR RATING:	32.56WH
CHARGING METHOD:	CONSTANT CURRENT + CONSTANT VOLTAGE
MAX. CHARGE VOLTAGE [V]:	8.4V (±50mV)
CHARGE CURRENT:	1800mA NOMINAL, 2200mA MAXIMUM
REC. CHARGE CUT OFF:	BY CURRENT 50mA OR TIMER 4H
MAX. CONTINUOUS DISCHARGE CURRENT:	1800mA NOMINAL, 3000mA MAXIMUM
REC. DISCHARGE CUT OFF:	6.0±0.1V
INTERNAL IMPEDANCE:	≤300mΩ
EXP. CYCLE LIFE:	>300 CYCLES > 70% OF INITIAL CAP. (0,5C/0,5C)

PACK PROTECTION:

OVER CHARGE DETECTION: 8.6 ±0.02V/PACK

OVER DISCHARGE DETECTION: 4.8 ±0.035V/PACK

OVER CURRENT DETECTION: 4.5±0.2A (144mS. DELAY)

3. AMBIENT CONDITIONS

TEMPERATURE RANGE:	
CHARGE:	0 TO +45°C
DISCHARGE:	-20 TO +60°C
CHARGE RETENTION/STORAGE [%]:	1 YEAR AT -20 TO +20°C >80%
	3 MONTHS AT -20 TO +45°C >80%
	1 MONTH AT -20 To +60°C >80%
HUMIDITY:	65 ±20%RH

4. ENVIORMENTAL AND SAFETY

PLEASE FOLLOW GlobTek, Inc. HANDLING AND SAFETY PRECAUTIONS FOR Lilon & LiPolymer.

5. CELL REGULATORY APPROVALS:

UL:	CELL APPROVED TO UL 1642
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6. BATTERY PACK APPROVALS:

RoHS:	COMPLIES WITH EU 2002/95/EC AND CHINA SJ/T 11363-2006
CE Mark:	COMPLIES WITH 2004/108/EC ELECTROMAGNETIC COMPATIBILITY INCLUDING BUT NOT LIMITED TO EN61000-6-1:2007, EN61000-6-3:2007
TRANSPORTATION:	PACK DESIGNED TO MEET un38.3, IEC 62281
Safety:	Designed to meet UL 2054, IEC61960:2003, IEC 62133, Japanese PSE Standards JIS C 8712:2006, JIS C 8714:2007

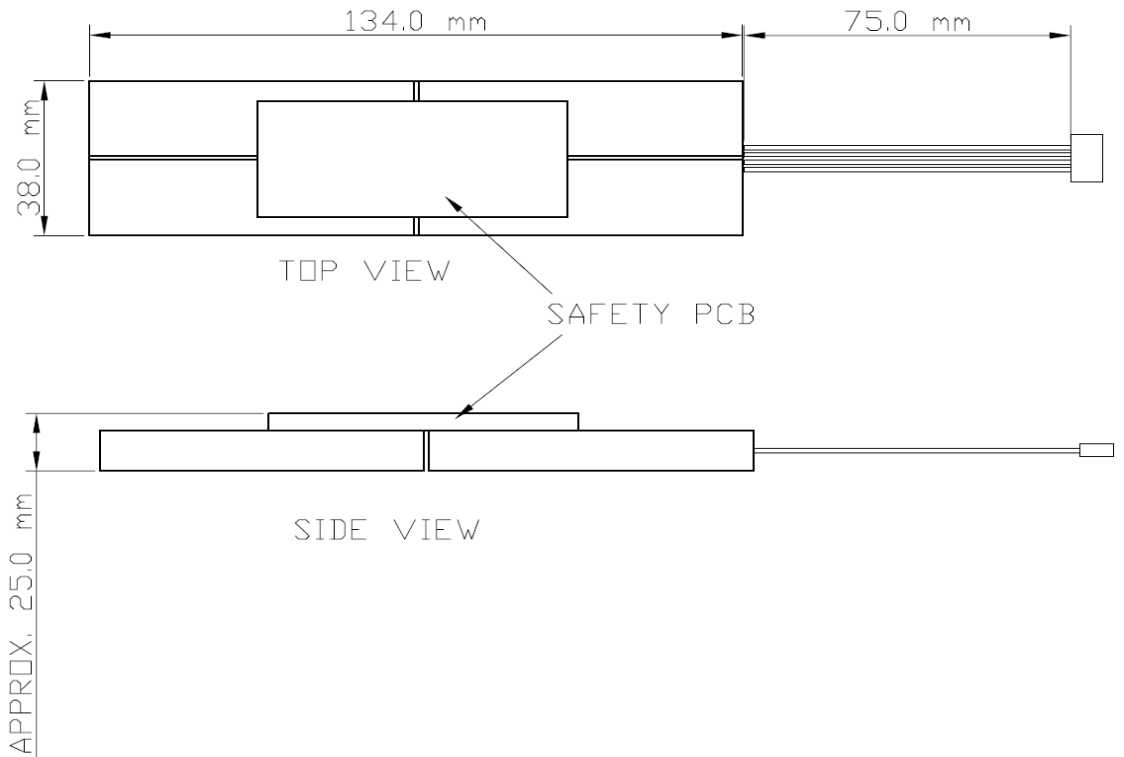


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8. MECHANICAL:

DIMENSIONS:	134.0 x 38.0 x 25.0 (±1mm)
SHRINK WRAP:	GlobTek Brand White Wrap
WIRE TYPE:	UL1007 x 26AWG x 4C
WIRE LENGTH:	75mm ± 5.0 mm
L1 WIRE POLARITY:	RED = INPUT (+)
L2 WIRE POLARITY:	WHITE NTC
L3 WIRE POLARITY:	BLUE FUEL GAUGE
L4 WIRE POLARITY:	BLACK NEGATIVE (-)
CONNECTOR TYPE:	JST CONNECTOR
STRIP LENGTH:	N/A
TIN LENGTH:	N/A
ADDITIONAL REQUIREMENTS:	N/A



[ADDITIONAL OUTPUT PLUG OPTIONS ARE AVAILABLE BY CLICKING THIS LINK.](#)
[STANDARD PLUGS AND CONNECTORS CAN BE SEEN ONLINE BY CLICKING THIS LINK](#)

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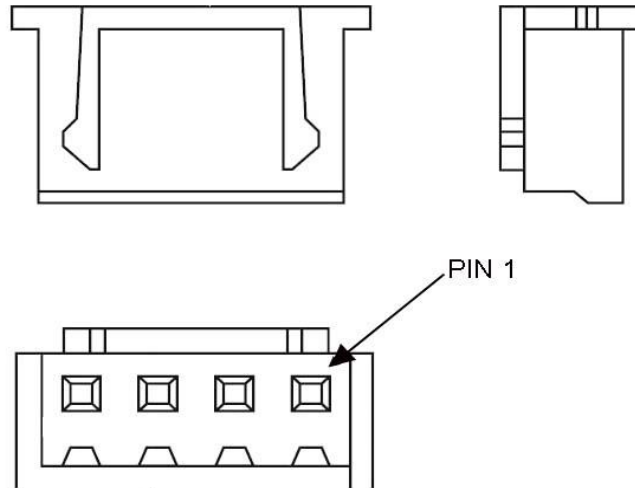
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7.CONNECTOR:

ACTUAL CONNECTOR'S, OVERMOLDS, MAY VARY SLIGHTLY FROM THE PICTURE BELOW

	EQUIVALENT	Y / N	
PLUG TYPE		Y	4 PIN JST XHP-4
HOUSING TYPE			N/A
TERMINALS		Y	JST SXH-002T-P0.6
TERMINAL TYPE			N/A
OVER MOLD ORIENTATION			N/A
PLUG DIMENSIONS			N/A
BARREL PLUG INTERNAL SPRING CLIP			N/A
BARREL PLUG LOCKING NOTCH			N/A
POLARITY			N/A
ADDITIONAL REQUIREMENTS			N/A


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MATERIAL:	TBD
BACKGROUND COLOR:	WHITE
TEXT COLOR:	BLACK
LABEL WIDTH: (mm)	TBD
LABEL HEIGHT: (mm)	TBD
ADDITIONAL REQUIREMENTS:	N/A
ADDITIONAL REQUIREMENTS:	N/A






GlobTek[®], Inc.

BL2200C1865002S2PXLG

Li-ion 7.4V 4400 mAh 32.56 Wh

CAUTION:

- May explode if disposed of in fire.
- Use specified charger only.
- Do not short circuit.

YYYYMM MADE IN CHINA

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9. PACKAGING:

PE BAG SIZE	TBD
CARTON SIZE:	TBD
QUANTITY PER CARTON:	TBD
G.W.	TBD

