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requirement					
REV	DESCRIPTION	SALES	RFS	DATE	APPROVED
A	Initial Release	DR	27741	10/13/2022	DR

See Page 2 for important battery warranty and usage information.

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 Polymer Battery Pack 3.7 Volts @ 1900mAh	
	Model No: 456074 Part No: BL1950P4071611S1PCPT	Rev. A

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By customer signing or accepting this document, they agree to acknowledge and accept the **Guidelines and cautions, Safety Notes, and Safety Precautions published on GlobTek's website**
http://en.globtek.com/safety-cautions.php#.UUD-NRzU_I8

GlobTek offers a 5-year warranty on workmanship and electrical components assembly on all new battery pack products excluding the battery cells themselves which are covered by the Manufacturer's original warranty at their published warranty period. Please refer to the manufacturer's manufacturer's warranty policy for cells. For GlobTek brand cells, GlobTek provides a 12-month warranty for Li-Ion batteries. The warranty period is based upon the expectation that the battery will deliver 80% of its initial capacity after 300 cycles at low to moderate power loads. High power loads may cause a battery to reach 80% of initial capacity in less than the 12-month warranty period. Li-Ion batteries will continue to operate below the 80% capacity threshold; however, the capacity (run time) delivered between charges will continue to decrease.

The purchaser of GlobTek battery pack products (Customer) agrees that they are a "Sophisticated user" who understands battery technology and 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. GlobTek products are only designed for professional use and integration by companies into their products and may not be used by consumers directly. GlobTek provides batteries and battery packs as a component of an end system.

The acceptance of GlobTek specifications, the information on this page and use of the product(s) described in this or other GlobTek documents indicate that the product was qualified for use (tested and/or sample waiver signed), and the acceptance and binding of the customer to GlobTek terms and conditions, which supersede all other agreements, terms and conditions
<http://en.globtek.com/terms-and-conditions/>

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:

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1. GENERAL SPECIFICATION:

BATTERY WITH SAFETY CIRCUIT

CELL:	456074
PCM:	Globtek Standard
NTC:	N/A
FUEL GAUGE:	N/A
CONFIGURATION:	1S1P
WEIGHT:	52g

2. ELECTRICAL SPECIFICATION:

RATED CAPACITY:	1950mAh (0.2C discharge)
NOMINAL VOLTAGE:	3.7V
WATT-HOUR RATING:	7.215Wh
CHARGING METHOD:	Constant Current + Constant Voltage
MAXIMUM CHARGE VOLTAGE [V]:	4.2V/cell (Recommended 4.1V±1%/cell)
CHARGE CURRENT:	0.2C (Standard), 1.0C (Maximum)
RECOMMENDED CHARGE CUT OFF:	By current to 0.05C
MAXIMUM CONTINUOUS DISCHARGE CURRENT:	2.0C
RECOMMENDED DISCHARGE CUT OFF:	3.0V
INTERNAL IMPEDANCE:	≤120 mΩ
EXPECTED CYCLE LIFE:	>300 cycles>80% of initial cap. of cells(CC charge 0.2C to 4.2V; discharge 0.2C to 3.0V)
CELL PROTECTION:	
OVER CHARGE VOLTAGE DETECTION:	4.275±0.02V (Detection delay time 0.8s - 1.2s; Release voltage 4.175±0.03V)
OVER DISCHARGE VOLTAGE DETECTION:	3.0±0.035V (Delay time 100ms - 150ms)
OVER CHARGE CURRENT DETECTION:	4.5 – 8.5A (Detection delay time 9.6ms – 20.0ms, Release Cut Load)

3. AMBIENT CONDITIONS

TEMPERATURE RANGE:

CHARGE:	0 to +45°C
DISCHARGE:	-10 to +60°C
STORAGE TEMPERATURE:	-20 to +45C

HUMIDITY:	60 +/-25%RH
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4. ENVIRONMENTAL AND SAFETY

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

5. CELL REGULATORY APPROVALS:

UL:	Approved to UL1642
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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
UL:	Pack designed to meet IEC62133; UL2054



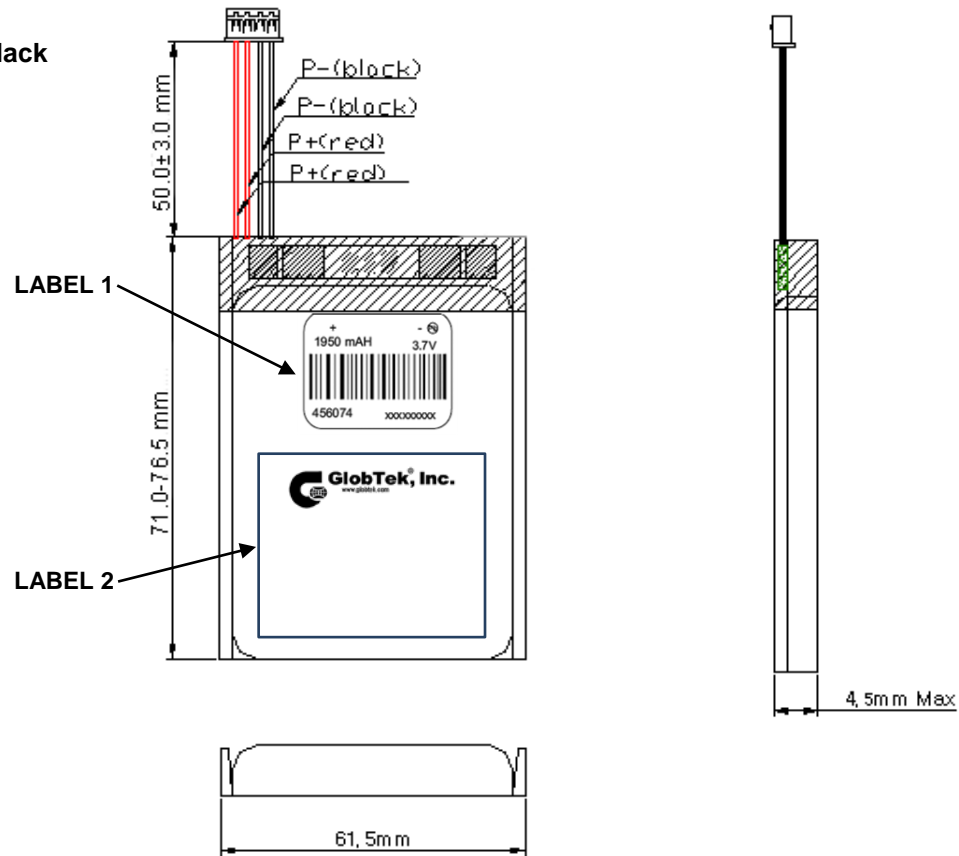
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7. MECHANICAL:

DIMENSIONS:	71.0-76.5mm x 61.5mm(Max.) x 4.5mm(Max.)
SHRINK WRAP:	N/A
WIRE TYPE:	UL1007; 24AWG
WIRE LENGTH:	50.0mm +/- 3.0mm
WIRE POLARITY: (Pin 1)	Red Positive (+)
WIRE POLARITY: (Pin 2)	Red Positive (+)
WIRE POLARITY:(Pin 3)	Black Negative (-)
WIRE POLARITY: (Pin 4)	Black Negative (-)
ADDITIONAL REQUIREMENTS:	N/A

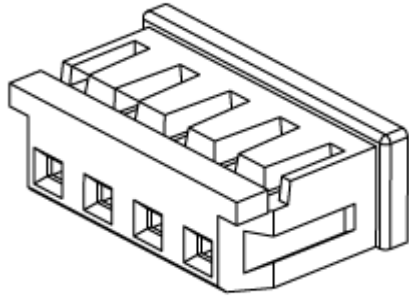
Note: JHY cell is natural color , not black



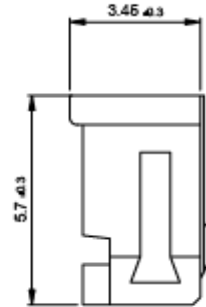
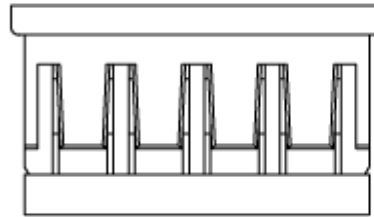
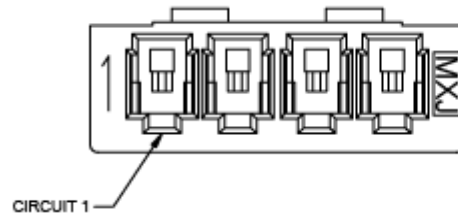
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8. OUTPUT CONNECTOR:



	EQUIVALENT	Y / N
PLUG TYPE (CRIMP STYLE)	Y	Molex 510650400
TERMINALS	Y	Molex 50212 (Qty 4)



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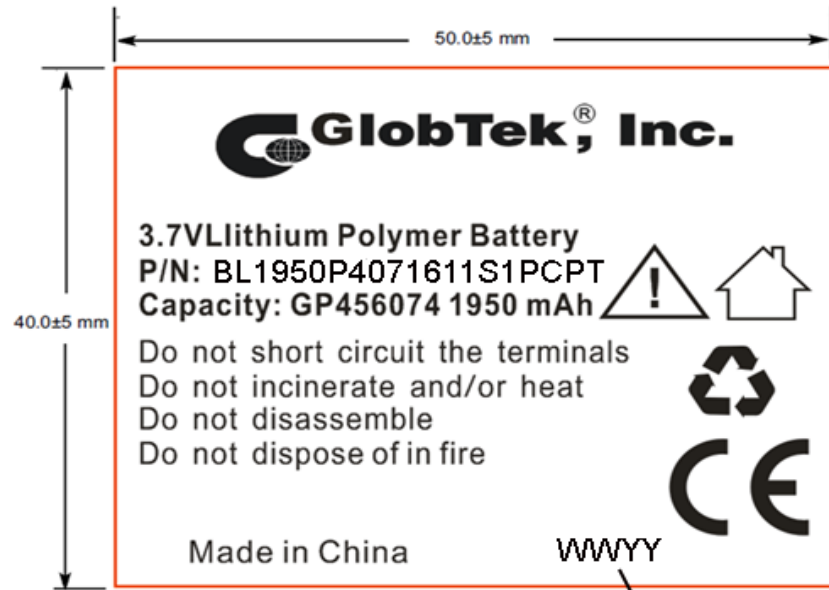
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9. LABEL:

MATERIAL:	TBD
BACKGROUND COLOR:	White
TEXT COLOR:	Black
LABEL WIDTH: (mm)	50.5±5mm
LABEL HEIGHT: (mm)	40.0±5mm
ADDITIONAL REQUIREMENTS:	N/A



Date Code:
WW - Week
YY - Year

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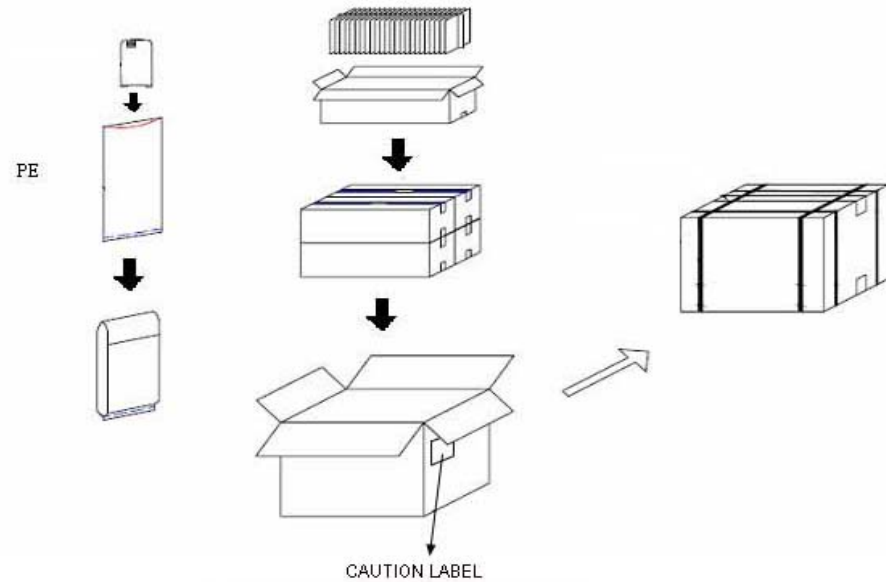
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10. PACKAGING:

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



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