


| 1.0 Reference and Address | | | | | |
|---------------------------|--|------------------|--------------|--|------------|
| Report Number | 140900039SHA-002 | Original Issued: | 21-Oct-2014 | Revised: | 6-Apr-2016 |
| Standard(s) | Information Technology Equipment Safety Part 1: General Requirements (UL 60950-1 Issued: 2007/03/27 Ed: 2 Rev: 2014/10/14) | | | | |
| | Information Technology Equipment Safety Part 1: General Requirements (CAN/CSA C22.2 No. 60950-1 Issued: 2007/03/27 Ed: 2 (R2012) Amd. 1: 2011, Amd. 2: 2014) | | | | |
| Applicant | GlobTek, Inc. | | Manufacturer | GlobTek (Suzhou) Co., Ltd. | |
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| 2.0 Product Description | |
|--------------------------------|---|
| Product | ITE Power Supply |
| Brand name |  |
| Description | <p>Product covered by this report is power supply module. The different models are corresponding to three structure types respectively.</p> <p>Two are direct plug-in power adapter with interchangeable plug portion, which is Class II apparatus. It can be used with different plug types. The evaluation reports of the different plug types are also attached with this report. Two pieces of outer enclosure are enclosed with ultrasonic welding without screw.</p> <p>Model GT-41134-0606-W2-TAB is special direct plug-in type for North America market, with particular housing, varistor and fixed NEMA 1-15P plug.</p> |
| Models | GT*41134****, GT*96060**** or GT-41134-0606-W2-TAB (where * in the model name are letters or numbers or blank) |
| Model Similarity | <p>The 1st "*" part can be 'M' or '-' or 'H' for market identification and not related to safety.</p> <p>The 2nd "*" part can be "-" or "CC", "-" = Constant Voltage Model, CC = Constant Current Model.</p> <p>The 3rd "*" denotes the rated output wattage designation, which can be "01" to "06", with interval of 1.</p> <p>The 4th "*" denotes the standard rated output voltage designation, which can be "03", "04", "06", "12", "15", "18", "24", "36" or "48". These standard rated output voltage designations correspond to seven isolated transformer models (See the section 4.0 for details). Each transformer model is identical in insulation construction including clearance and creepage except number of turns per coil.</p> <p>The 5th "*" is optional deviation, subtracted from standard output voltage, which can be "-0.1" to "-11.9" with interval of 0.1, or blank to indicate no voltage different.</p> <p>The 4th "*" and 5th "*" together denote the output voltage, with a range of 3.3 - 48 volts.</p> <p>The last "*" denote any six character = 0-9 or A-Z or ([] or - or blank for marketing purposes.</p> <p>Transformers used in models of GT*41134**** and GT*96060**** are with similar construction. The turns of secondary winding may be added or reduced according different output voltage. The whole coil of transformer for GT-41134-0606-W2-TAB is wrapped by copper film.</p> <p>The new added structure type only use F1 fuse in primary circuit and a LED indicator (optional) used in secondary circuit.</p> <p>GT*96060**** is identify with GT*41134**** except for model name. Some non-critical components may be adjusted according different output voltage. The parameters of these components depend on output voltage.</p> |
| Ratings | <p>Input: 100-240V~, 50-60Hz, 0.3A or 0.6A for GT*41134**** and GT*96060****;</p> <p>120V~, 60Hz, 0.3A for GT-41134-0606-W2-TAB</p> <p>Output: Refer to illustration No.1 for details.</p> |
| Other Ratings | N/A |

3.0 Product Photographs

PHOTO 1 - EXTERNAL VIEW OF ADAPTER MODEL GT*41134*****



PHOTO 2 - EXTERNAL VIEW OF ADAPTER MODEL GT*41134*****



3.0 Product Photographs

PHOTO 3 - EXTERNAL VIEW OF ADAPTER MODEL GT*41134*****



PHOTO 4 - INTERNAL VIEW OF ADAPTER MODEL GT*41134*****

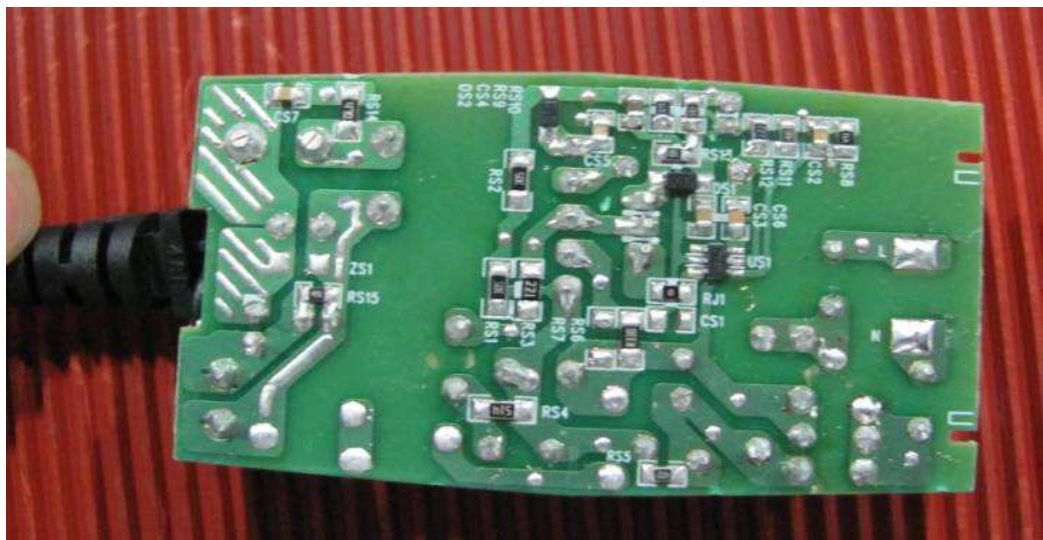


3.0 Product Photographs

PHOTO 5 - COMPONENT SIDE VIEW OF PCB OF ADAPTER MODEL GT*41134*****



PHOTO 6 - SOLDERING SIDE VIEW OF PCB OF ADAPTER MODEL GT*41134*****



3.0 Product Photographs

PHOTO 7 - EXTERNAL VIEW OF MODEL GT-41134-0606-W2-TAB



PHOTO 8 - EXTERNAL VIEW OF MODEL GT-41134-0606-W2-TAB



3.0 Product Photographs

Photo 9 - Component side view of PCB of model GT-41134-0606-W2-TAB

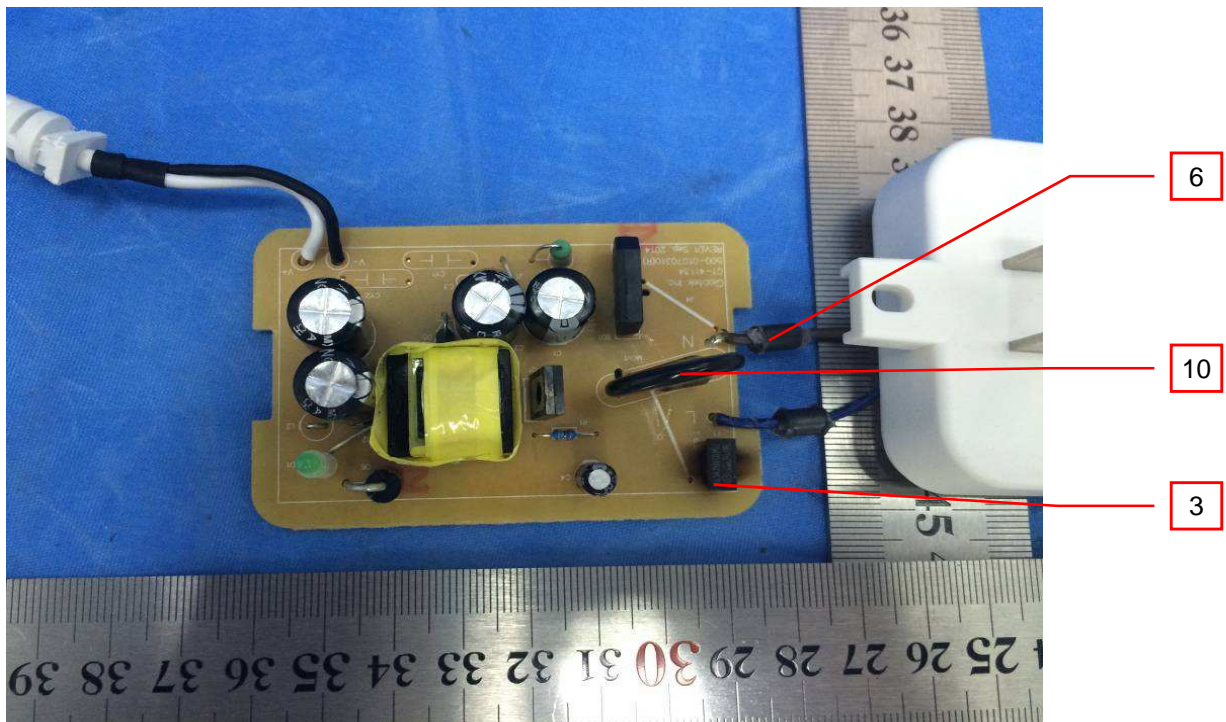
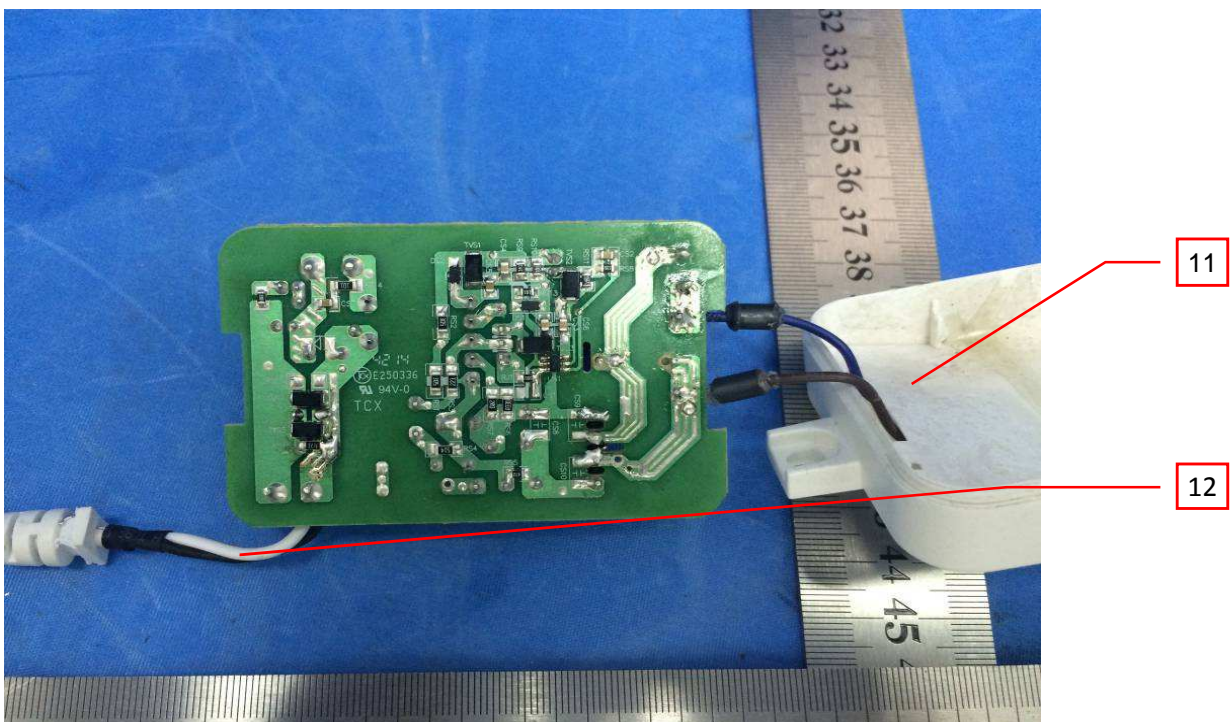


Photo 10 - Soldering side view of PCB of model GT-41134-0606-W2-TAB



3.0 Product Photographs

Photo 11 - Plug pin side view of NEMA 1-15P plug portion



Photo 12 - Connector side view of NEMA 1-15P plug portion



3.0 Product Photographs

Photo 13 - Overview for new added structure



Photo 14 - Internal view for new added structure



| 4.0 Critical Components | | | | | | |
|-------------------------|-----------------------|--------------------------|---|---------------------------|--|------------------------------------|
| Photo # | Item no. ¹ | Name | Manufacturer/ trademark ² | Type / model ² | Technical data and securement means | Mark(s) of conformity ³ |
| 1, 11 | 1 | Enclosure & Blade holder | SABIC INNOVATIVE PLASTICS B V | SE1 | PPE+PS, V-1, HWI 1, HAI 2, 105oC, min thickness: 2,0mm; Fixed by ultrasonic welding and without opening; | cURus |
| | | | SABIC INNOVATIVE PLASTICS B V | SE1X | PPE+PS, V-1, HWI 0, HAI 0, 105oC, min thickness: 2,0mm; Fixed by ultrasonic welding and without opening; | cURus |
| | | | SABIC INNOVATIVE PLASTICS B V | SE100 | PPE+PS, V-1, HWI 2, HAI 0, 95oC, min thickness: 2,0mm; Fixed by ultrasonic welding and without opening; | cURus |
| | | | SABIC INNOVATIVE PLASTICS B V | C2950 | PC/ABS, V-0, HWI 3, HAI 0, 85oC, min thickness: 2,0mm; Fixed by ultrasonic welding and without opening; | cURus |
| | | | SABIC INNOVATIVE PLASTICS B V | CX721 EXCY0098 | PC/ABS, V-0, 5VB, HWI 2, HAI 0, 90oC, min thickness: 2,0mm; Fixed by ultrasonic welding and without opening; | cURus |
| | | | SABIC INNOVATIVE PLASTICS B V | 945, 940 | PC, V-0, HWI 3, HAI 3, 120°C, min thickness: 2,0mm; Fixed by ultrasonic welding and without opening; | cURus |
| | | | TEIJIN CHEMICALS LTD | LN-1250P LN-1250G | PC, V-0, HWI 3, HAI 0, 115oC, min thickness: 2,0mm; Fixed by ultrasonic welding and without opening; | cURus |
| | | | CHI MEI CORPORATION | PA-765A | ABS, V-0, 5VB, HWI 3, HAI 0, 80oC, min thickness: 2,0mm; Fixed by ultrasonic welding and without opening; | cURus |
| | | | CHI MEI CORPORATION | PC-540 | PC/ABS, V-0, HWI 3, HAI 3, 70oC, min thickness: 2,0mm; Fixed by ultrasonic welding and without opening; | cURus |
| | | | TECHNI TECHNOLOGY LTD | T2A T2B T4 | Min. 1.6 mm thickness, min. V-0, 130°C | cURus |
| | | | DONGGUAN HE TONG ELECTRONICS CO LTD | CEM1 2V0 FR4 | Min. 1.6 mm thickness, min. V-0, 130°C | cURus |
| | | | CHEERFUL ELECTRONIC | 02, 03, 03A | Min. 1.6 mm thickness, min. V-0, 130°C | cURus |
| | | | DONGGUAN DAYSUN ELECTRONIC CO LTD | DS2 | Min. 1.6 mm thickness, min. V-0, 130°C | cURus |
| | | | SUZHOU CITY YILIHUA ELECTRONICS CO LTD | YLH-1 | Min. 1.6 mm thickness, min. V-0, 130°C | cURus |

| 4.0 Critical Components | | | | | | |
|-------------------------|-----------------------|--|---|---------------------------|--|------------------------------------|
| Photo # | Item no. ¹ | Name | Manufacturer/ trademark ² | Type / model ² | Technical data and securement means | Mark(s) of conformity ³ |
| 5 | 2 | PCB material | SHANGHAI AREX PRECISION ELECTRONIC CO LTD | 04V0 02V0 | Min. 1.6 mm thickness, min. V-0, 130°C | cURus |
| | | | BRITE PLUS ELECTRONICS (SUZHOU) CO LTD | DKV0-3A DGV0-3A | Min. 1.6 mm thickness, min. V-0, 130°C | cURus |
| | | | KUOTIANG ENT LTD | C-2 C-2A | Min. 1.6 mm thickness, min. V-0, 130°C | cURus |
| | | | PACIFIC WIN INDUSTRIAL LTD | PW-02, PW-03 | Min. 1.6 mm thickness, min. V-0, 130°C | cURus |
| | | | SHENZHEN TONGCHUANGXIN ELECTRONICS CO LTD | TCX | Min. 1.6 mm thickness, min. V-0, 130°C | cURus |
| | | | Various | Various | Min. 1.6 mm thickness, min. V-0, 130°C, Fully comply with UL 796 | cURus |
| 5, 9 | 3 | Fuse ⁴ (F1, F2) (F2 is optional) | CONQUER ELECTRONICS CO LTD | MST | T1A or T6.3A, 250V, Rated breaking capacity 100A | cURus |
| | | | EVER ISLAND ELECTRIC CO LTD & WALTER ELECTRIC | 2010 | T1A or T6.3A, 250V, Rated breaking capacity 130A | cURus |
| | | | BEL FUSE INC | RST | T1A or T6.3A, 250V, Rated breaking capacity 100A | cURus |
| | | | | 5ST | T1A or T6.3A, 250V, Rated breaking capacity 35A | cURus |
| | | | COOPER BUSSMANN LLC | SS-5 | T1A or T6.3A, 250V, Rated breaking capacity 35A | cURus |
| | | | DAS & SONS INTERNATIONAL LTD | 385T series | T1A or T6.3A, 250V, Rated breaking capacity 35A | cURus |
| | | | SHENZHEN LANSON ELECTRONICS CO LTD | SMT | T1A or T6.3A, 250V, Rated breaking capacity 35A | cURus |
| | | | WALTER ELECTRONIC CO | ICP series | T1A or T6.3A, 250V, Rated breaking capacity 50A. | cURus |
| | | | ZHONG SHAN LANBAO ELECTRICAL APPLIANCES CO | RTI-10 series | T1A or T6.3A, 250V, Rated breaking capacity 50A | cURus |
| SUN ELECTRIC CO | 5T | T1A or T6.3A, 250V, Rated breaking capacity 100A | cURus | | | |

| 4.0 Critical Components | | | | | | |
|-------------------------|-----------------------|--|---|---|--|------------------------------------|
| Photo # | Item no. ¹ | Name | Manufacturer/ trademark ² | Type / model ² | Technical data and securement means | Mark(s) of conformity ³ |
| 5 | 4 | Isolation transformer (T1) | /GlobTek/ BOAM/ HAOPUWEI | XF00716I for 3.3-4.9V; XF00714I for 5-8.9V; XF00717 for 9-14.9V; XF00718 for 15-18.9V; XF00719 for 19-24V; XF00814 for 24.1-36V; XF00841 for 36.1-48V; TF032 for 5-8.9V; TF033 for 9-14.9V; TF034 for 15-18.9V; TF035 for 19-24V; | Class B with insulation system below. | NR |
| 5 | 4a | Insulation system | | 130-1 | Class B | cURus |
| | | | GLOBTEK INC | GTX-130-TM | | |
| | | | SHAN DONG BOAM ELECTRIC CO LTD | BOAM-01 | | |
| | | WUXI HAOPUWEI ELECTRONICS CO LTD | ZT-130 | | | |
| 5 | 5 | Y-Capacitor (CY1 & CY2) (Optional) (Not shown) | TDK CORP | CD | Type Y1, max. 470pF, min. 250V, min. 125°C | cURus |
| | | | SUCCESS ELECTRONICS CO LTD | SE SB | Type Y1, max. 470pF, min. 250V, min. 125°C | cURus |
| | | | MURATA MFG CO LTD | KX | Type Y1, max. 470pF, min. 250V, min. 125°C | cURus |
| | | | WALSIN TECHNOLOGY CORP | AH | Type Y1, max. 470pF, min. 250V, min. 125°C | cURus |
| | | | JYA-NAY CO LTD | JN | Type Y1, max. 470pF, min. 250V, min. 125°C | cURus |
| | | | HAOHUA ELECTRONIC CO | CT7 | Type Y1, max. 470pF, min. 250V, min. 125°C | cURus |
| | | | JERRO ELECTRONICS CORP | JX-series | Type Y1, max. 470pF, min. 250V, min. 125°C | cURus |
| | | | JYH CHUNG ELECTRONICS CO LTD | JD | Type Y1, max. 470pF, min. 250V, min. 125°C | cURus |

| 4.0 Critical Components | | | | | | |
|-------------------------|-----------------------|--|--|---|--|------------------------------------|
| Photo # | Item no. ¹ | Name | Manufacturer/ trademark ² | Type / model ² | Technical data and securement means | Mark(s) of conformity ³ |
| | | | WELSON INDUSTRIAL CO LTD | WD | Type Y1, max. 470pF, min. 250V, min. 125°C | cURus |
| 5 | 6 | Varistor (MOV1) (Optional) (Not shown) | JOYIN CO LTD | 07N471K 10N471K 14N471K | Maximum continuous voltage: 300Vac | cURus |
| | | | CENTRA SCIENCE CORP | 07D471K 10D471K 14D471K | Maximum continuous voltage: 300Vac | cURus |
| | | | THINKING ELECTRONIC INDUSTRIAL CO LTD | TVR07471K TVR10471K TVR14471K | Maximum continuous voltage: 300Vac | cURus |
| | | | SUCCESS ELECTRONICS CO LTD | SVR07D471K SVR10D471K SVR14D471K | Maximum continuous voltage: 300Vac | cURus |
| | | | CERAMATE TECHNICAL CO LTD | GNR07D471K GNR10D471K GND14D471K | Maximum continuous voltage: 300Vac | cURus |
| | | | BRIGHTKING (SHENZHEN) CO LTD | 07D471K 10D471K 14D471K | Maximum continuous voltage: 300Vac | cURus |
| | | | LIEN SHUN ELECTRONICS CO LTD | 07D471K 10D471K 14D471K | Maximum continuous voltage: 300Vac | cURus |
| | | | HONGZHI ENTERPRISES LTD | HEL-07D471K HEL-10D471K HEL-14D471K | Maximum continuous voltage: 300Vac | cURus |
| | | | GUANGXI NEW FUTURE INFORMATION INDUSTRY CO LTD | 07D471K 10D471K 14D471K | Maximum continuous voltage: 300Vac | cURus |
| 9 | 7 | Internal primary wiring | DONGGUAN YUE YANG WIRE & CABLE CO LTD | 1007, 1015, 1185, 2464, 2468 | Min. 18AWG, min. 300Vac, min. 80°C | cURus |
| | | | YONG HAO ELECTRICAL INDUSTRY CO | 1007, 1015, 1185, 2464, 2468 | Min. 18AWG, min. 300Vac, min. 80°C | cURus |
| | | | HIP TAI ELECTRIC WIRE CO | 1007, 1015, 1185, 2464, 2468 | Min. 18AWG, min. 300Vac, min. 80°C | cURus |
| | | | KUNSHAN NEW ZHICHENG ELECTRONICS TECHNOLOGIES CO LTD | 1007, 1015, 1185, 2464, 2468 | Min. 18AWG, min. 300Vac, min. 80°C | cURus |
| | | | SHENG YU ENTERPRISE CO LTD | 1007, 1015, 1185, 2464, 2468 | Min. 18AWG, min. 300Vac, min. 80°C | cURus |
| | | | SUZHOU YEMAO ELECTRONIC CO LTD | 1007, 1015, 1185, 2464, 2468 | Min. 18AWG, min. 300Vac, min. 80°C | cURus |

| 4.0 Critical Components | | | | | | |
|-------------------------|-----------------------|--|---|---|-------------------------------------|------------------------------------|
| Photo # | Item no. ¹ | Name | Manufacturer/ trademark ² | Type / model ² | Technical data and securement means | Mark(s) of conformity ³ |
| | | | SUZHOU HONGMENG ELECTRONIC CO LTD | 1007, 1015, 1185, 2464, 2468 | Min. 18AWG, min. 300Vac, min. 80°C | cURus |
| | | | ZHUANG SHAN CHUAN ELECTRICAL PRODUCTS (KUNSHAN) CO LTD | 1007, 1015, 1185, 2464, 2468 | Min. 18AWG, min. 300Vac, min. 80°C | cURus |
| | | | SUZHOU QCTECH CO LTD | 1007, 1015, 1185, 2464, 2468 | Min. 18AWG, min. 300Vac, min. 80°C | cURus |
| 9 | 10 | Varistor (MOV1) (optional) (only for GT-41134-0606-W2-TAB) | Panasonic Corporation | ERZV20D241 (V20241U) | Max continuous voltage: 150VAC | cURus |
| | | | Brightking (Shenzhen) Co., Ltd. | 241KD20J | Max continuous voltage: 150VAC | cURus |
| | | | EPCOS | S20K150 | Max continuous voltage: 150VAC | cURus |
| | | | Thinking Electronic Industrial Co., Ltd. | TVR20241K | Max continuous voltage: 150VAC | cURus |
| | | | Success Electronics Co., Ltd. | SVR20D241K | Max continuous voltage: 150VAC | cURus |
| 10 | 11 | Insulating sheet only for GT-41134-0606-W2-TAB | FORMEX, DIV OF IL TOOL WORKS INC, FRMRLY FASTEX, DIV OF IL TOOL WORKS INC | FORMEX GK series | V-0, min. 0.4 mm thickness, 115°C | cURus |
| | | | MIANYANG LONGHUA FILM CO LTD | PP-WT-20 | VTM-0, min. 0.4 mm thickness, 65°C | cURus |
| | | | SKC CO LTD | SH71S | VTM-2, min. 0.4 mm thickness, 105°C | cURus |
| | | | TORAY INDUSTRIES INC | Lumirror H10 | VTM-2, min. 0.4 mm thickness, 105°C | cURus |
| | | | SABIC INNOVATIVE PLASTICS US LLC | FR60 series FR63 series FR65 series FR7 series FR700 series | V-0, min. 0.4 mm thickness, 130°C | cURus |
| | | | MIANYANG LONGHUA FILM CO LTD | PP-BK series PP-WT series | V-0, min. 0.4 mm thickness, 80°C | cURus |
| | | | ITW ELECTRONICS COMPONENTS/ PRODUCTS (SHANGHAI) CO LTD | FORMEX-18 FORMEX-17 | V-0, min. 0.4 mm thickness, 100°C | cURus |
| 10 | 12 | Output cord | Various | Various | Min. 24AWG, min. 300Vac, min. 80°C | cURus |

4.0 Critical Components

| Photo # | Item no. ¹ | Name | Manufacturer/ trademark ² | Type / model ² | Technical data and securement means | Mark(s) of conformity ³ |
|---------|-----------------------|--------------|--------------------------------------|---------------------------|-------------------------------------|------------------------------------|
| 11 | 13 | Plug portion | GlobTek | Various | NEMA 1-15P | NR |

NOTES:

- 1) Not all item numbers are indicated (called out) in the photos, as their location is obvious.
- 2) "Various" means any type, from any manufacturer that complies with the "Technical data and securement means" and meets the "Mark(s) of conformity" can be used.
- 3) Indicates specific marks to be verified, which assures the agreed level of surveillance for the component. "NR" indicates Unlisted and only visual examination is necessary. "See 5.0" indicates Unlisted components or assemblies to be evaluated periodically refer to section 5.0 for details.
- 4) For GT-41134-0606-W2-TAB, the fuse rating is T6.3A and evaluated separately.
 For new added structure type, the fuse rating is T1A, and there is only one fuse F1 used in new structure type.

5.0 Critical Unlisted CEC Components

No Unlisted CEC components are used in this report.

6.0 Critical Features

Recognized Component - A component part, which has been previously evaluated by an accredited certification body with restrictions and must be evaluated as part of the basic product considering the restrictions as specified by the Conditions of Acceptability.

Listed Component - A component part, which has been previously Listed or Certified by an accredited Certification Organization with no restrictions and is used in the intended application within its ratings.

Unlisted Component - A part that has not been previously evaluated to the appropriate designated component standard. It may also be a Listed or Recognized component that is being used outside of its evaluated Listing or component recognition.

Critical Features/Components - An essential part, material, subassembly, system, software, or accessory of a product that has a direct bearing on the product's conformance to applicable requirements of the product standard.

Construction Details - For specific construction details, reference should be made to the photographs and descriptions. All dimensions are approximate unless specified as exact or within a tolerance. In addition to the specific construction details described in this Report, the following general requirements also apply.

1. Spacing - In primary circuits, 2.0 mm minimum spacing are maintained through air between current-carrying parts of opposite polarity and 4.0 mm minimum between such current-carrying parts and dead-metal parts or low voltage isolated circuits. In primary circuits, 2.4 mm minimum spacing are maintained over surfaces of insulating material between current-carrying parts of opposite polarity and 4.8 mm minimum between such current-carrying parts and dead-metal parts or low voltage isolated circuits.
2. Mechanical Assembly - Components such as switches, fuseholders, connectors, wiring terminals and display lamps are mounted and prevented from shifting or rotating by the use of lockwashers, starwashers, or other mounting format that prevents turning of the component.
3. Corrosion Protection - All ferrous metal parts are protected against corrosion by painting, plating or the equivalent.
4. Accessibility of Live Parts - For adapter models, all uninsulated live parts in primary circuitry are housed within a non-metallic enclosure constructed with no openings and metal enclosure earthed with ventilation holes other than those specifically described in Sections 4 and 5.
5. Grounding - All exposed dead-metal parts and all dead-metal parts within the enclosure that are exposed are connected to the grounding lead of the power supply cord and the equipment grounding terminal.
6. Polarized Connection - This product is provided with a polarized power supply connection.
7. Internal Wiring - Internal wiring is routed away from sharp or moving parts. Internal wiring leads terminating in soldered connections are made mechanically secure prior to soldering. Recognized Component separable (quick disconnect) connectors of the positive detent type, closed loop connectors, or other types specifically described in the text of this report are also acceptable as internal wiring terminals. At points where internal wiring passes through metal walls or partitions, the wiring insulation is protected against abrasion or damage by plastic bushings or grommets. UL approved wiring is used as secondary output lead wire of SELV circuits.
8. Schematics - Refer to Illustration No(s). 2a&2b&2c, 3a&3b&3c for schematics & PCB layout requiring verification during Field Representative Inspection Audits.
9. Markings - The product is marked as follows: brand name, model number, electrical ratings, manufacturer. Refer to Illustration No. 4 for details.
10. Cautionary Markings - Refer to illustrations No. 4 for details.
11. Safety Instructions - Instructions for installation and use of this product are provided by the manufacturer. They are kept in file and need not be repeated here.

7.0 Illustrations

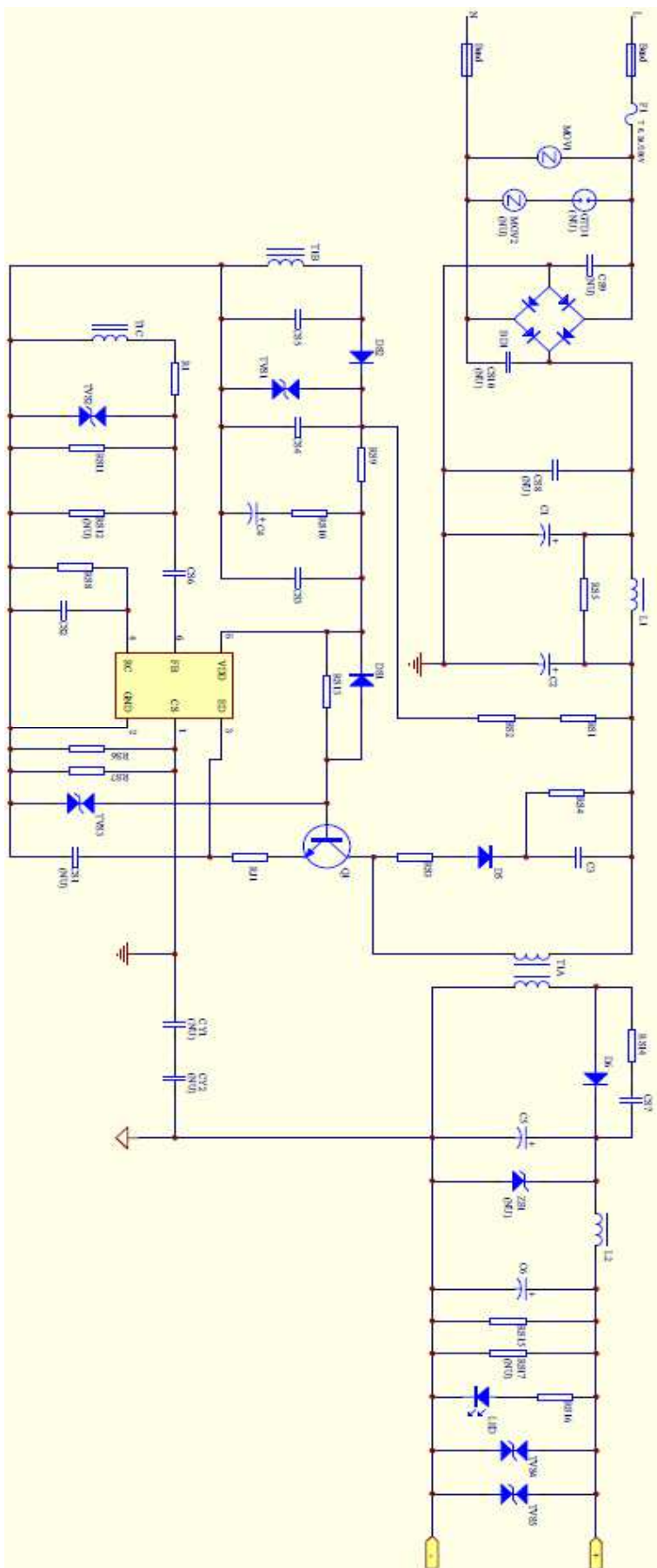
Illustration 1 - Model list

| Model | voltage | Max. current | Max. power |
|----------------------------------|----------|--------------|------------|
| GT*41134**03** GT*96060**03** | 3.3V | 1.8A | 6W |
| GT*41134**04** GT*96060**04** | 3.4-4V | 1.76A | 6W |
| GT*41134**06** GT*96060**06** | 4.1-6V | 1.46A | 6W |
| GT*41134**12** GT*96060**12** | 6.1-12V | 0.98A | 6W |
| GT*41134**15** GT*96060**15** | 12.1-15V | 0.50A | 6W |
| GT*41134**18** GT*96060**18** | 15.1-18V | 0.40A | 6W |
| GT*41134**24** GT*96060**24** | 18.1-24V | 0.33A | 6W |
| GT*41134**36** GT*96060**36** | 24.1-36V | 0.25A | 6W |
| GT*41134**48** GT*96060**48** | 36.1-48V | 0.16A | 6W |
| GT-41134-0606-W2-TAB | 6V | 1A | 6W |

7.0 Illustrations

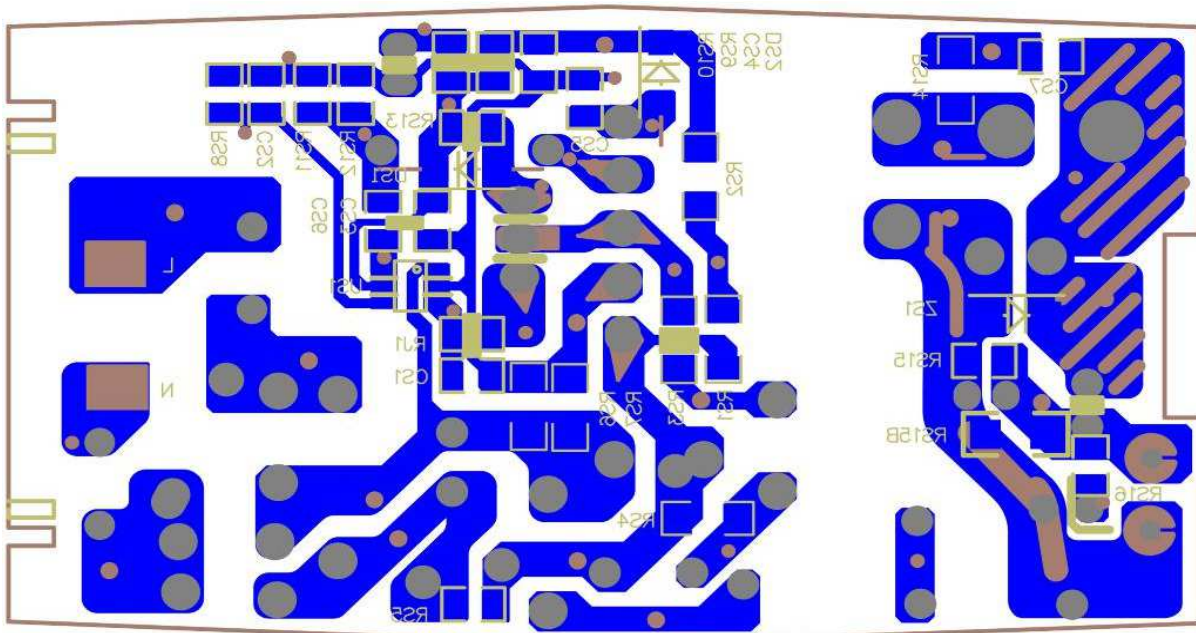
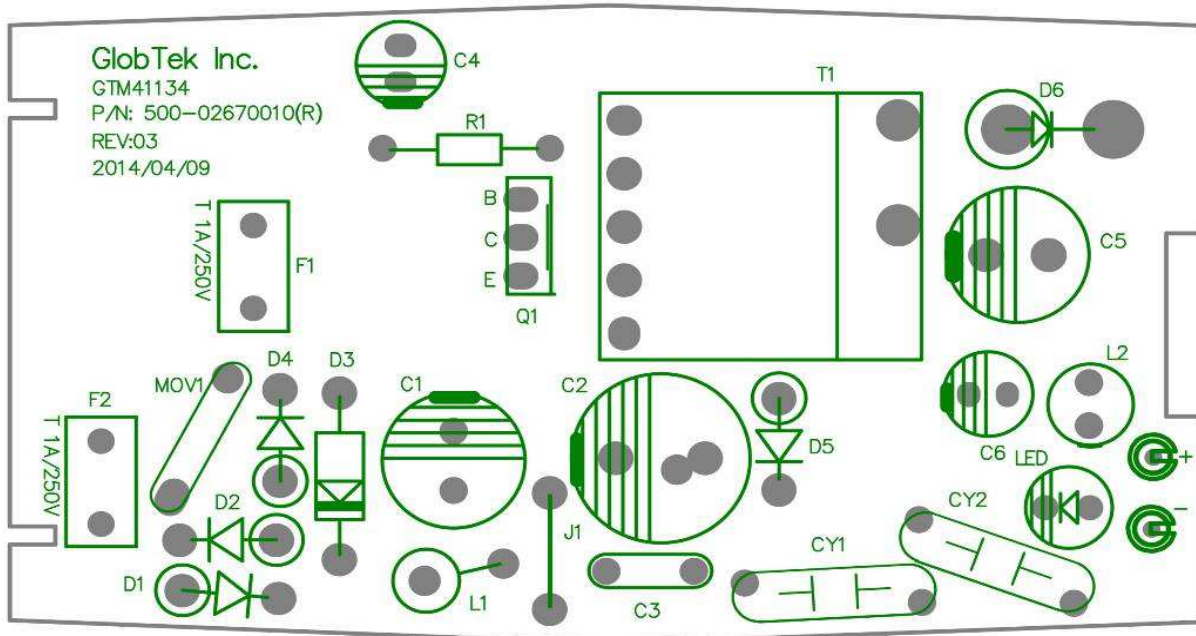
Illustration 2a - Schematics

For GT-41134-0606-W2-TAB



7.0 Illustrations

Illustration 3a - PCB LAYOUT for adapter model GT*41134*****



7.0 Illustrations

Illustration 4 - Marking

The marking plates of the other models listed in this report are identical with below except model name and output parameter.

For adapter model



Especially for North American model GT-41134-0606-W2-TAB



ETL Mark



Intertek
4007497

Conforms to UL STD 60950-1
Certified to CAN/CSA STD C22.2 No.60950-1

| 8.0 Test Summary | | | |
|---|--|---------------------|---------------------------|
| Evaluation Period | 2014-09-01 ~ 2014-10-13 | | Project No. 140900039SHA |
| Sample Rec. Date | 28-Aug-2014 | Condition Prototype | Sample ID. 0140828-52-001 |
| Test Location | Building No.86, 1198 Qinzhou Road (North), Shanghai 200233, China | | |
| Test Procedure | Testing Lab | | |
| Determination of the result includes consideration of measurement uncertainty from the test equipment and methods. The product was tested as indicated below with results in conformance to the relevant test criteria. | | | |
| The following tests were performed: | | | |
| | Standard for Safety for Information Technology Equipment Safety Part 1: General Requirements: (UL 60950-1 Issued: 2007/03/27 Ed:2 Rev: 2011/12/19 & CAN/CSA C22.2 No.60950-1 Issued: 2007/03/27 Ed:2 (R 2012) Rev: 2011/12/19) | | |
| Test Description | Clause | | |
| Input current test | 1.6.2 | | |
| Marking durability test | 1.7.11 | | |
| Energy hazard test | 2.1.1.1 | | |
| Voltages under normal conditions test | 2.2.2 | | |
| Voltages under fault conditions test | 2.2.3 | | |
| Limited current circuit test | 2.4 | | |
| Limited power source test | 2.5 | | |
| Humidity test | 2.9.2 | | |
| Working voltage measurement | 2.10.2 | | |
| Clearances and creepage distances | 2.10.3/2.10.4 | | |
| Distance through insulation measurement | 2.10.5 | | |
| Mechanical strength - steady force test, 10 N | 4.2.2 | | |
| Mechanical strength - steady force test, 250 N | 4.2.4 | | |
| Strain on socket-outlet test | 4.3.6 | | |
| Temperature test | 4.5.1 | | |
| Ball pressure test of thermoplastic parts | 4.5.5 | | |
| Touch current & protective conductor current test | 5.1 | | |
| Electric strength test | 5.2 | | |
| Abnormal operating and fault conditions test | 5.3 | | |

| | | | |
|---|---|---------------------|-------------------------------|
| Evaluation Period | 21-Oct-2015 to 15-Jan-2016 | | Project No. 151001355SHA |
| Sample Rec. Date | 21-Oct-2015 | Condition Prototype | Sample ID. 0151021-56-001~009 |
| Test Location | Building No.86, 1198 Qinzhou Road (North), Shanghai 200233, China | | |
| Test Procedure | Testing Lab | | |
| Determination of the result includes consideration of measurement uncertainty from the test equipment and methods. The product was tested as indicated below with results in conformance to the relevant test criteria. | | | |
| Some tests have been evaluated in 140900039SHA-002 and some critical tests performed again in below updated standard: | | | |
| | UL 60950-1 Issued: 2007/03/27 Ed: 2 Rev: 2014/10/14 & CAN/CSA C22.2 No. 60950-1 Issued: 2007/03/27 Ed: 2 (R2012) Amd. 1: 2011, Amd. 2: 2014 | | |
| Test Description | Clause | | |
| Input test | 1.6.2 | | |
| Voltage under normal conditions test | 2.2.2 | | |
| Voltage under fault conditions test | 2.2.3 | | |
| Limited current circuits test | 2.4 | | |
| Limited power sources test | 2.5 | | |
| Determination of working voltage test | 2.10.2 | | |
| Clearances measurement | 2.10.3 | | |
| Creepage distances measurement | 2.10.4 | | |
| Temperature tests | 4.5.2 | | |
| Touch current test | 5.1 | | |
| Electric strength test | 5.2 | | |
| Abnormal operating and fault conditions test | 5.3 | | |

8.0 Test Summary

8.1 Signatures

A representative sample of the product covered by this report has been evaluated and found to comply with the applicable requirements of the standards indicated in Section 1.0.

| | | | |
|---------------|--------------------|--------------|------------------|
| Completed by: | Albert Zhou | Reviewed by: | Will Wang |
| Title: | Engineer | Title: | Supervisor |
| Signature: | <i>Albert Zhou</i> | Signature: | <i>Will Wang</i> |

9.0 Correlation Page For Multiple Listings

The following products, which are identical to those identified in this report except for model number and Listee name, are authorized to bear the ETL label under provisions of the Intertek Multiple Listing Program.

| | |
|--------------|--|
| BASIC LISTEE | GlobTek, Inc. |
| Address | 186 Veterans Dr. Northvale, NJ 07647 USA |
| Country | USA |
| Product | ITE Power Supply |

| | |
|-------------------|------|
| MULTIPLE LISTEE 1 | None |
| Address | |
| Country | |
| Brand Name | |

| | |
|-------------------------|--|
| ASSOCIATED MANUFACTURER | |
| Address | |
| Country | |

| | |
|--------------------------|---------------------|
| MULTIPLE LISTEE 1 MODELS | BASIC LISTEE MODELS |
| | |

| | |
|-------------------|------|
| MULTIPLE LISTEE 2 | None |
| Address | |
| Country | |
| Brand Name | |

| | |
|-------------------------|--|
| ASSOCIATED MANUFACTURER | |
| Address | |
| Country | |

| | |
|--------------------------|---------------------|
| MULTIPLE LISTEE 2 MODELS | BASIC LISTEE MODELS |
| | |

| | |
|-------------------|------|
| MULTIPLE LISTEE 3 | None |
| Address | |
| Country | |
| Brand Name | |

| | |
|-------------------------|--|
| ASSOCIATED MANUFACTURER | |
| Address | |
| Country | |

| | |
|--------------------------|---------------------|
| MULTIPLE LISTEE 3 MODELS | BASIC LISTEE MODELS |
| | |

10.0 General Information

The Applicant and Manufacturer have agreed to produce, test and label ETL Listed products in accordance with the requirements of this Report. The Manufacturer has also agreed to notify Intertek and to request authorization prior to using alternate parts, components or materials.

COMPONENTS

Components used shall be those itemized in this Intertek report covering the product, including any amendments and/or revisions.

LISTING MARK

The ETL Listing mark applied to the products shall either be separable in form, such as labels purchased from Intertek, or on a product nameplate or other media only as specifically authorized by Intertek. Use of the mark is subject to the control of Intertek.

The mark must include the following four items:

- 1) applicable country identifiers "US" and/or "C" or "US", "C" and "EU"
- 2) the word "Listed" or "Classified" or "Recognized Component" (whichever is appropriate)
- 3) a control number issued by Intertek
- 4) a product descriptor that identifies the standards used for certification. Example:

For US standards, the words, "Conforms to" shall appear with the standard number along with the word, "Standard" or "Std." Example: "Conforms to ANSI/UL Std. XX."

For Canadian standards, the words "Certified to CAN/CSA Standard CXX No. XX." shall be used, or abbreviated, "Cert. to CAN/CSA Std. CXX No. XX."

Can be used together when both standards are used.

Note: A facsimile must be submitted to Intertek, Attn: Follow-up Services for approval prior to use.

The facsimile need not have a control number. A control number will be issued **after signed Certification Agreements** have been received by the Follow-up Services office, approval of the facsimile of your proposed Listing Mark, satisfactory completion of the Listing Report, and scheduling of a factory assessment in your facility.

MANUFACTURING AND PRODUCTION TESTS

Manufacturing and Production Tests shall be performed as required in this Report.

FOLLOW-UP SERVICE

Periodic unannounced audits of the manufacturing facility (and any locations authorized to apply the mark) shall be scheduled by Intertek. An audit report shall be issued after each visit. Special attention will be given to the following:

1. Conformance of the manufactured product to the descriptions in this Report.
2. Conformance of the use of the ETL mark with the requirements of this Report and the Certification Agreement.
3. Manufacturing changes.
4. Performance of specified Manufacturing and Production Tests.

In the event that the Intertek representative identifies non-conformance(s) to any provision of this Report, the Applicant shall take one or more of the following actions:

1. Correct the non-conformance.
2. Remove the ETL Mark from non-conforming product.
3. Contact the issuing product safety evaluation center for instructions.

10.1 Evaluation of Unlisted Components

Because Unlisted Components are uncontrolled, and they do not fall under a third party follow up program, Intertek may require these components to be tested and/or evaluated at least once annually, more often for certain components, as part of the independent certification process. The Unlisted Components in Section 5.0 require testing and/or evaluation as indicated.

Note to Intertek Follow Up Inspector: The Component Evaluation Center, CEC, will notify you in writing when these components must be selected and sent to the CEC for re-evaluation

Ship the samples to:
Intertek Testing Services Shanghai Limited
ETL Component Evaluation Center
Building No. 86, 1198 Qinzhou Road (North)
Shanghai 200233, China
Attn: Ms. Dansy Xu

Sample Disposition: Due to the destructive nature of the testing, all samples will be discarded at the conclusion of testing unless, the manufacturer specifically requests the return of the samples. The request for return must accompany the initial component shipment.

11.0 Manufacturing and Production Tests

The manufacturer agrees to conduct the following Manufacturing and Production Tests as specified:

Required Tests

Dielectric Voltage Withstand Test

11.1 Dielectric Voltage Withstand Test

Method

One hundred percent of production of the products covered by this Report shall be subjected to a routine production line dielectric withstand test.

The test shall be conducted on products, which are fully assembled. Prior to applying the test potential, all switches, contactors, relays, etc., should be closed so that all primary circuits are energized by the test potential. If all primary circuits cannot be tested at one time, then separate applications of the test potential shall be made.

The test voltage specified below shall be applied between primary circuits and accessible dead-metal parts. The test voltage may be gradually increased to the specified value but must be maintained at the specified value for one second or one minute as required.

Test Equipment

The test equipment shall incorporate a transformer with an essentially sinusoidal output, a means to indicate the applied test potential, and an audible and/or visual indicator of dielectric breakdown.

The test equipment shall incorporate a voltmeter in the output circuit to indicate directly the applied test potential if the rated output of the test equipment is less than 500VA.


If the rated output of the test equipment is 500VA or more, the applied test potential may be indicated by either:

- 1 - a voltmeter in the primary circuit;
- 2 - a selector switch marked to indicate the test potential; or
- 3 - a marking in a readily visible location to indicate the test potential for test equipment having a single test potential output.

In cases 2 and 3, the test equipment shall include a lamp or other visual means to indicate that the test potential is present at the test equipment output. All test equipment shall be maintained in current calibration.

Products Requiring Dielectric Voltage Withstand Test:

| <u>Product</u> | <u>Test Voltage</u> | <u>Test Time</u> |
|----------------------------------|---------------------|------------------|
| Between L/N and secondary output | 3000Vac | 1 s |

| 12.0 Revision Summary | | | | |
|--|-----------------------------------|---------|---------------|---|
| The following changes are in compliance with the declaration of Section 8.1: | | | | |
| Date/ Proj # Site ID | Project Handler/ Reviewer | Section | Item | Description of Change |
| 6-Apr-2016 | Albert Zhou <i>Albert Zhou</i> | 1 | Std. | Updated standard version of UL 60950-1 from "Information Technology Equipment Safety Part 1: General Requirements: UL 60950-1 Issued: 2007/03/27 Ed:2 Rev: 2011/12/19" to "Information Technology Equipment Safety Part 1: General Requirements (UL 60950-1 Issued: 2007/03/27 Ed: 2 Rev: 2014/10/14)" Updated standard version of CAN/CSA C22.2 No.60950-1 from "Information Technology Equipment Safety Part 1: General Requirements: CAN/CSA C22.2 No.60950-1 Issued: 2007/03/27 Ed:2 (R 2012) Rev: 2011/12/19" to "Information Technology Equipment Safety Part 1: General Requirements (CAN/CSA C22.2 No. 60950-1 Issued: 2007/03/27 Ed: 2 (R2012) Amd. 1: 2011, Amd. 2: 2014)" |
| 151001355SHA | Will Wang <i>Will Wang</i> | 2 | - | Replaced the trade mark "GlobTek" with "  Replaced the old naming model series GT*41134-*** with a new naming model series GT*41134****; Added new product model series: GT*96060****; Added new structure type for GT*41134**** and GT*96060****; Updated the explanation Model Similarity of model series; Added alternative input current 0.3A based on client's requirement; |
| | | 3, 4 | - | Revised the photo number. |
| | | 3 | 13, 14 | Added new photos for new added structure type which used in model series GT*41134**** and GT*96060****. |
| | | 4 | 1 | Added new models "945" of enclosure manufactured by "SABIC INNOVATIVE PLASTICS B V" |
| | | 4 | 2 | Added new models "02" of PCB manufactured by "CHEERFUL ELECTRONIC" |
| | | 4 | 4 | Added new models "TF032", "TF033", "TF034" and "TF035" of transformer. |
| | | 7 | 1, 2a, 2c, 3c | Updated the model list; Added new circuit diagram and PWB layout. |
| | | 8 | Std. | Updated standard version of UL 60950-1 and CAN/CSA C22.2 No.60950-1 from "UL 60950-1 Issued: 2007/03/27 Ed:2 Rev: 2011/12/19 & CAN/CSA C22.2 No.60950-1 Issued: 2007/03/27 Ed:2 (R 2012) Rev: 2011/12/19" to "UL 60950-1 Issued: 2007/03/27 Ed: 2 Rev: 2014/10/14 & CAN/CSA C22.2 No. 60950-1 Issued: 2007/03/27 Ed: 2 (R2012) Amd. 1: 2011, Amd. 2: 2014" |
| | | 8 | - | Added new test block in section 8 |
| | | 8.1 | - | Revised with new signatures |
| | | | | |
| | | | | |
| | | | | |