


1.0 Reference and Address			
Report Number	170902395SHA-004	Original Issued:	20-Nov-2017
		Revised:	27-Jun-2023
Standard(s)	Medical Electrical Equipment - Part 1: General Requirements for Basic Safety and Essential Performance [ANSI/AAMI ES60601-1:2005+A1;A2]		
	Medical Electrical Equipment - Part 1: General Requirements for Basic Safety and Essential Performance (R2022) [CSA C22.2#60601-1:2014 Ed.3+A2]		
	Medical Electrical Equipment – Part 1-6: General Requirements for Basic Safety and Essential Performance – Collateral Standard: Usability [IEC 60601-1-6:2010 Ed.3+A1;A2]		
	Medical Electrical Equipment - Part 1-6: General Requirements for Basic Safety and Essential Performance - Collateral Standard: Usability [CSA C22.2#60601-1-6:2011 Ed.3+A1;A2]		
	Medical Electrical Equipment – Part 1–11: General Requirements for Basic Safety and Essential Performance – Collateral Standard: Requirements for Medical Electrical Equipment and Medical Electrical Systems Used in the Home Healthcare Environment [IEC 60601-1-11:2015 Ed.2+A1]		
Applicant	GlobTek, Inc.	Manufacturer	GlobTek (Suzhou) Co., Ltd.
Address	186 Veterans Dr. Northvale, NJ 07647 USA	Address	Building 4. No 76 JinLing East Road, Suzhou Industrial Park, Suzhou, JiangSu, 215021
Country	USA	Country	China
Contact	Michael Krakovyak	Contact	Demon Zhou
Phone	(201)784-1000 Ext.106	Phone	86 512 6279 0301 Ext.189
FAX	(201)784-0111	FAX	86 512 6279 0355
Email	krakovyakm@globtek.com	Email	demon.zhou@globtek.cn

2.0 Product Description	
Product	Medical Power Supply / USB Hospital-Grade wall charger
Brand name	GlobTek  GlobTek, Inc.
Description	<p>Product covered by this report is medical power supply module, which can be used as a part of medical equipment. All the models have the same structure except with or without led.</p> <p>Transformers used in all models are the same. All models have same PCB, but some non-critical components may be adjusted according to different output voltage. The parameters of these components depend on output voltage.</p> <p>All the types are designed for continuous operation and no applied part is defined.</p> <p>The insulation construction of EUT is evaluated as 2MOPP in this report as customer's request.</p>
Models	GT followed by M, -, H; followed by 46101-; followed by 01 to 13; followed by 05, 06; followed by -0.5 to -0.9 or blank; followed by -USB.
Model Similarity	<p>GT*46101-***-USB</p> <p>The 1st "*" can be "M" or "-" or "H" for market identification and not related to safety.</p> <p>The 2nd "*" can be "01" to "13", with interval of 1, denote the rated output wattage designation.</p> <p>The 3rd "*" can be "05", "06", denote the standard rated output voltage designation.</p> <p>The 4th "*" can be "-0,5" to "-0,9" with interval of 0.1, or blank indicate no voltage different , optional deviation, subtracted from standard output voltage.</p> <p>The 3rd and 4th "*" together denote the output voltage, with a range of 5-5.5 volts.</p>
Ratings	<p>Input: 100-240V~, 50-60Hz, 0.3A;</p> <p>Output: GT*46101-*05*-USB: 5Vdc, 2A max.</p> <p>GT*46101-*06*-USB: 5.1-5.5Vdc, 2.54A max.</p>
Other Ratings	N/A

3.0 Product Photographs

Photo 1 - External view of EUT

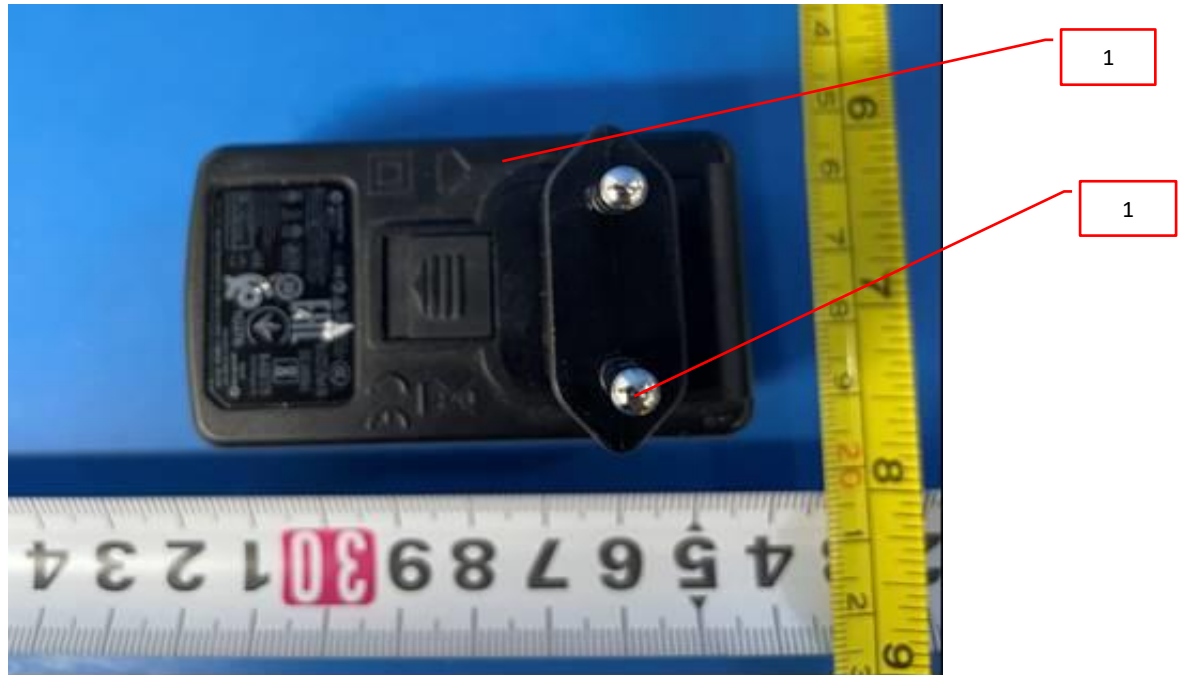


Photo 2 - External view of EUT



Photo 3 - Internal view of EUT

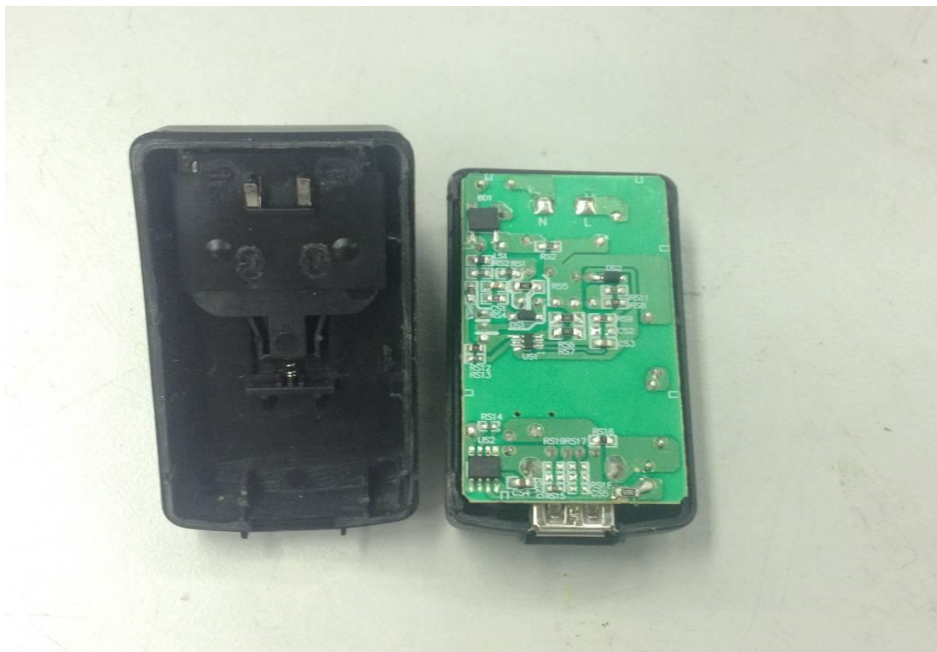


3.0 Product Photographs

Photo 5 - Internal view of EUT with LED



Photo 6 - Internal view of EUT with LED



3.0 Product Photographs

Photo 7 - Front view of PCB

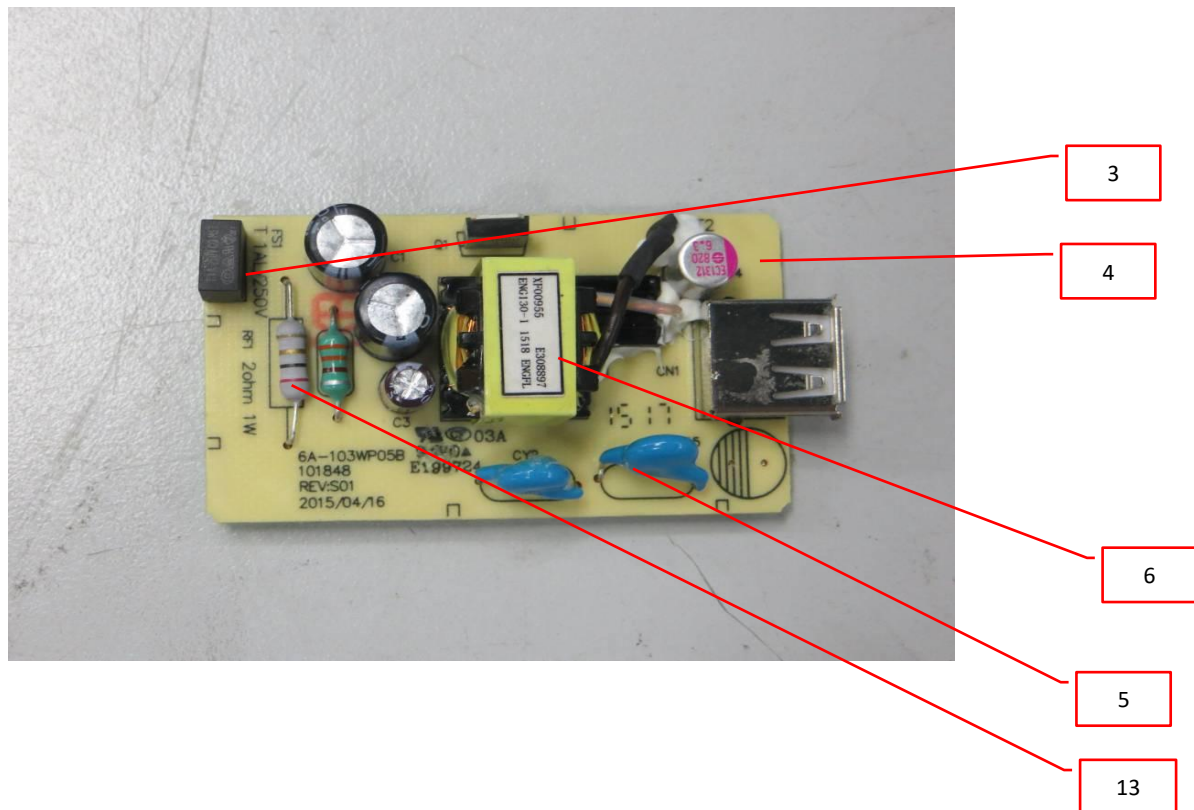
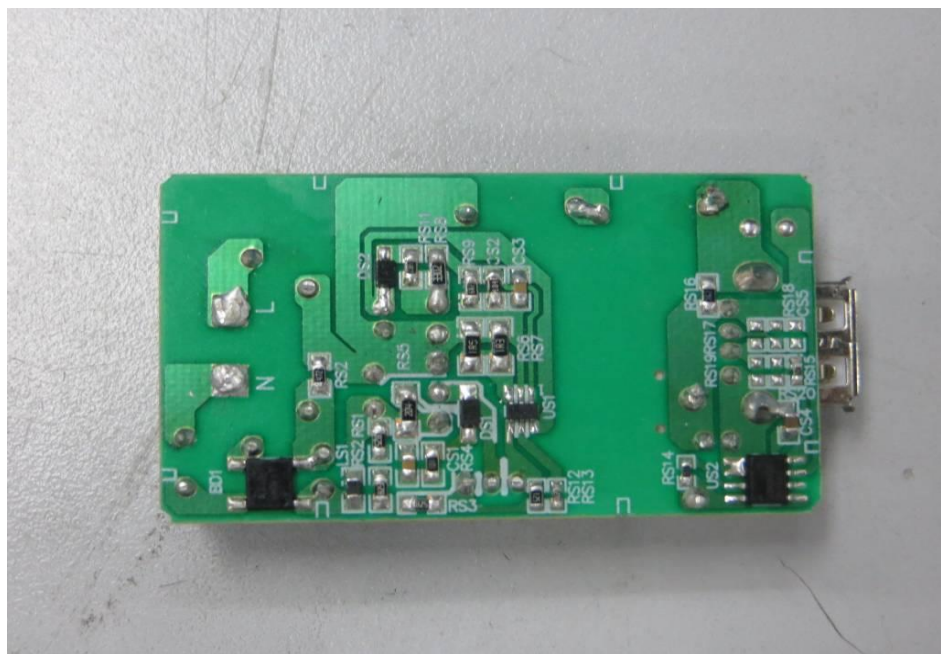


Photo 8 - Back view of PCB



3.0 Product Photographs

Photo 9 - Front view of PCB with LED

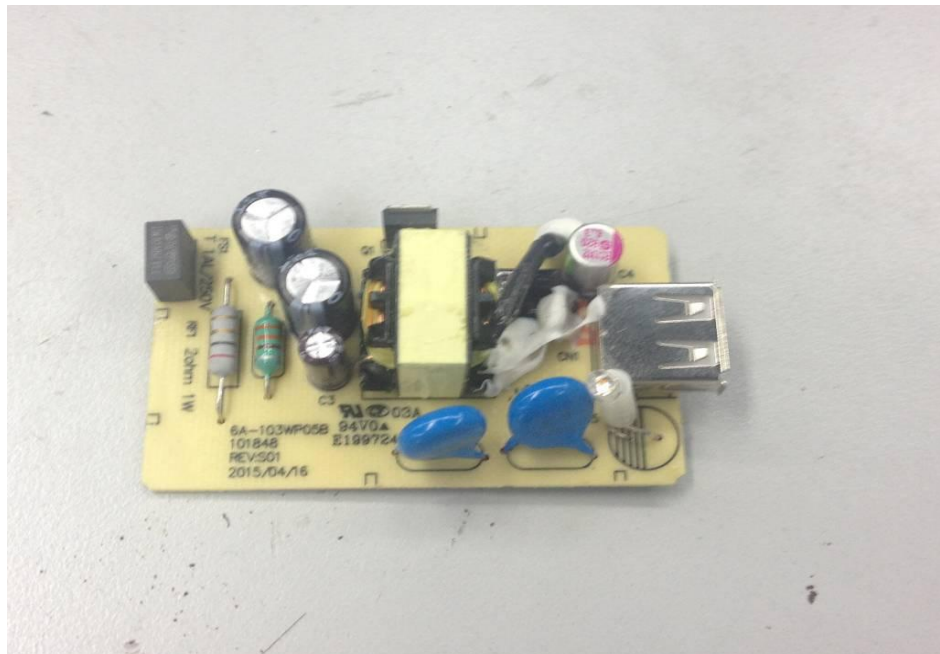
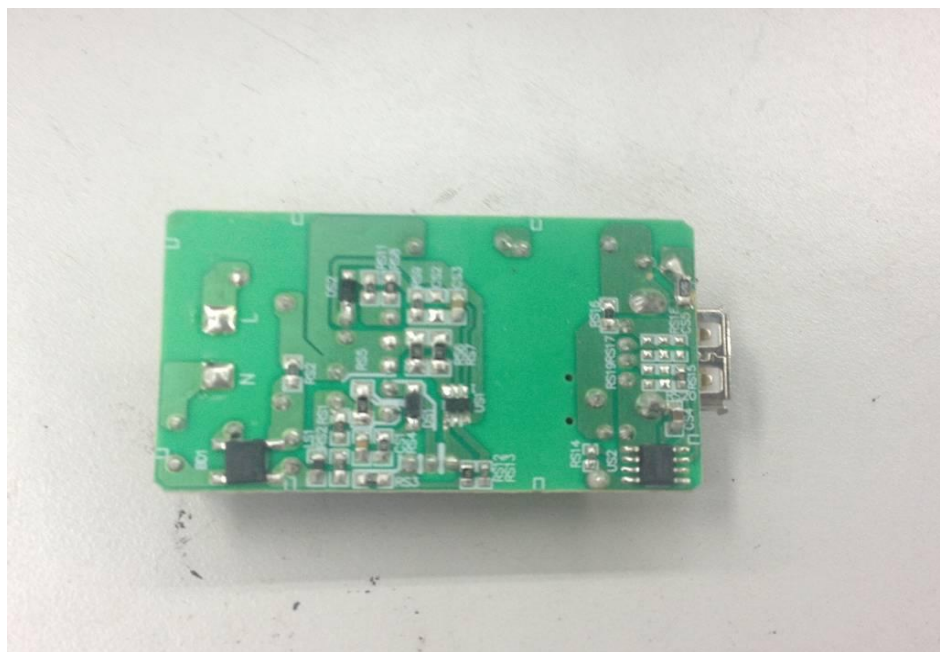


Photo 10 - Back view of PCB with LED

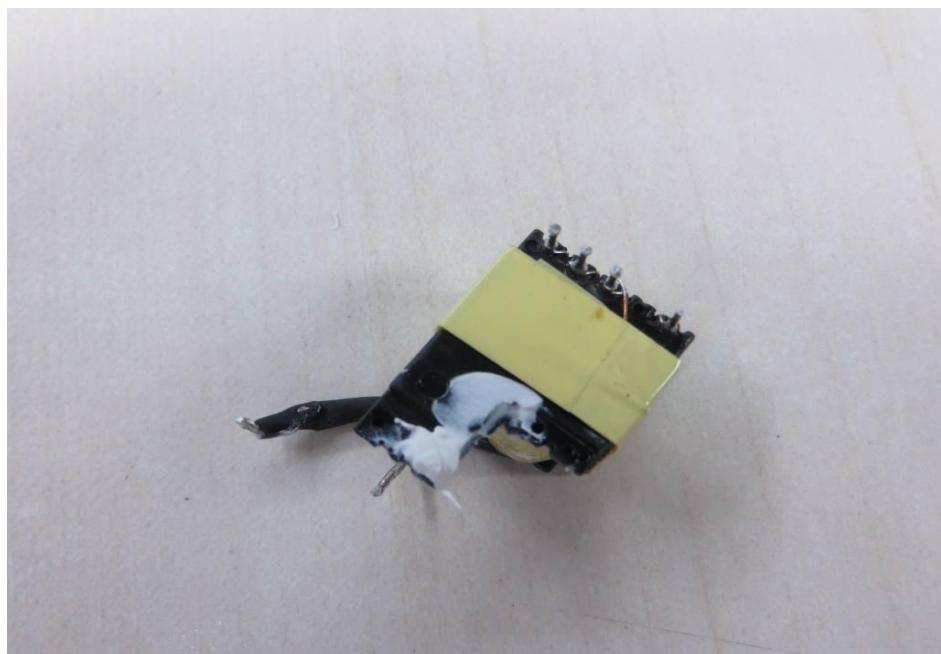


3.0 Product Photographs

Photo 11 - External view of transformer

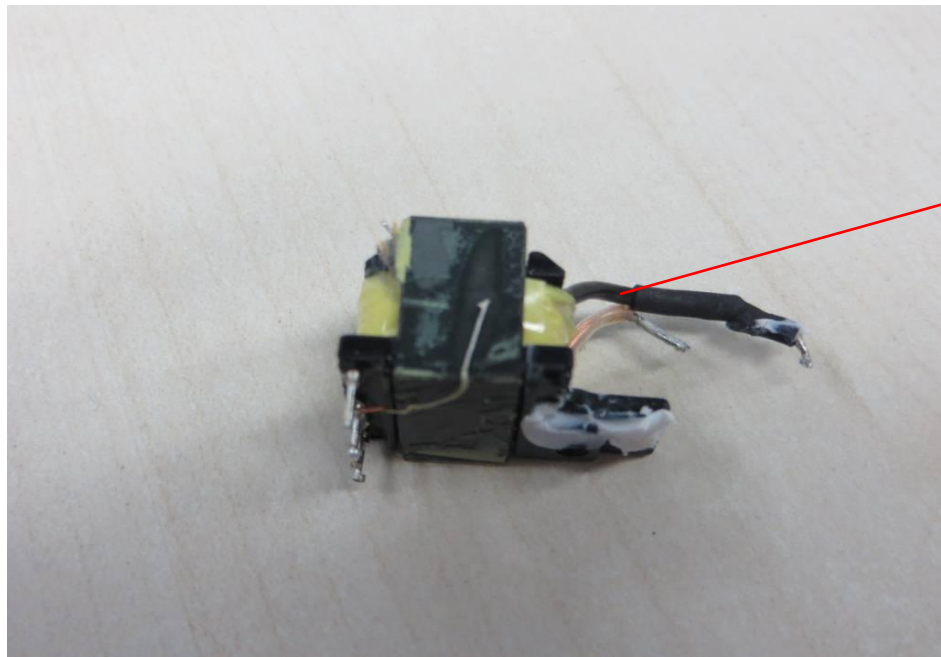


Photo 12 - External view of transformer



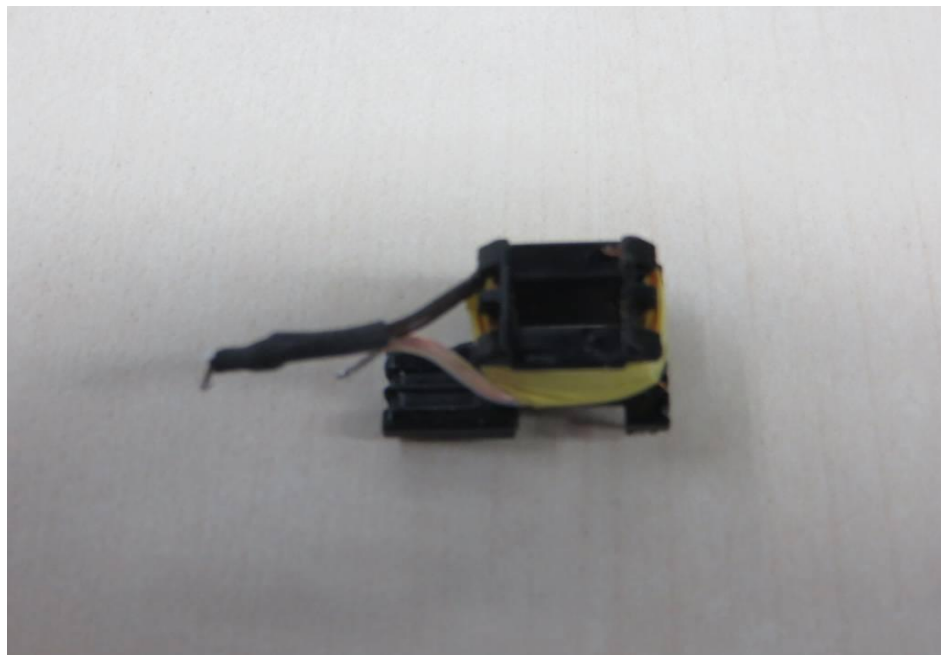
3.0 Product Photographs

Photo 13 - Internal view of transformer



11

Photo 14 - Internal view of transformer



3.0 Product Photographs

Photo 15 -Internal view of transformer

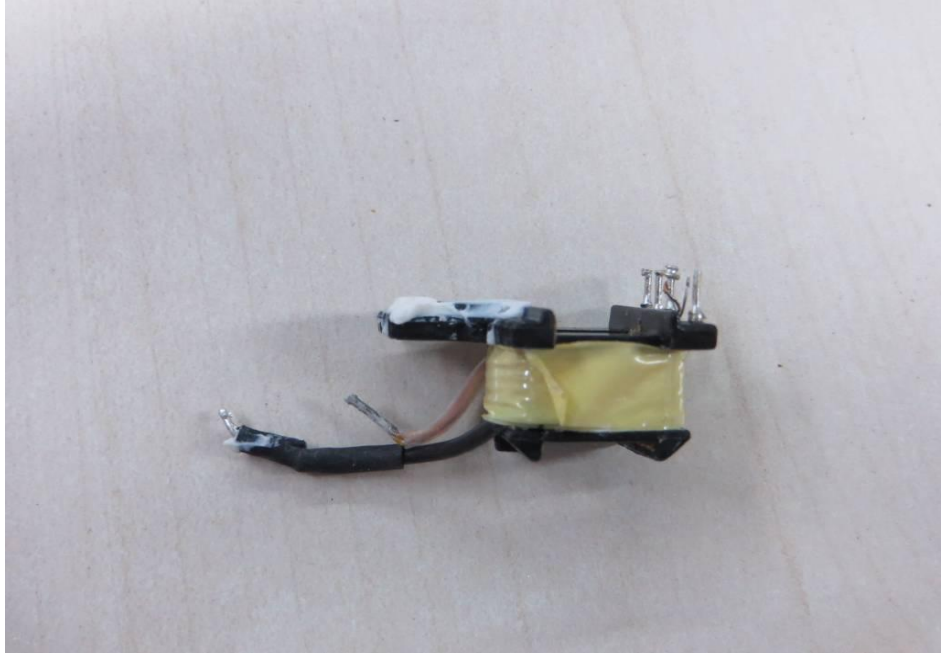
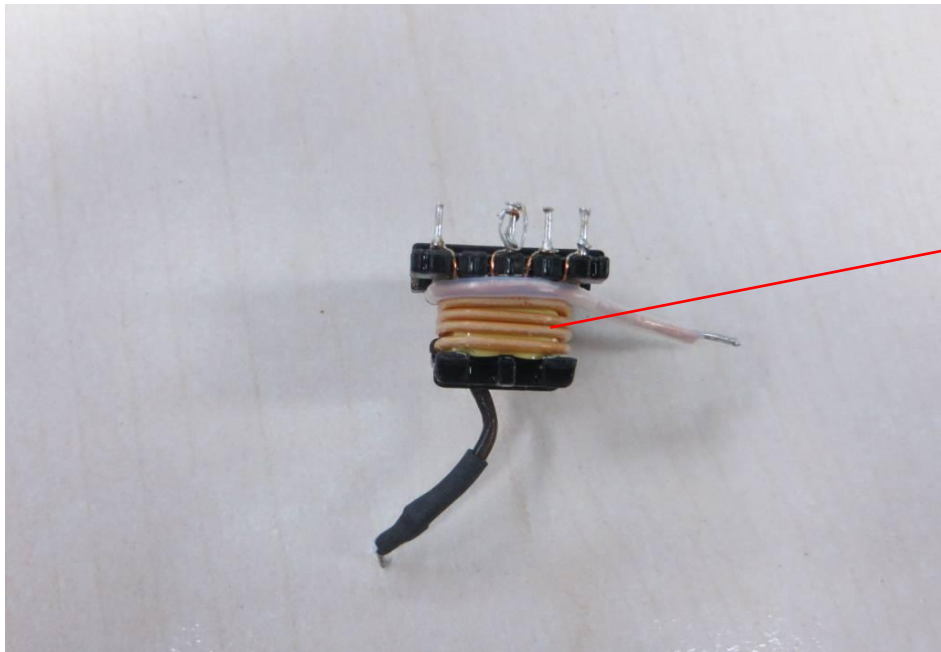


Photo 16 - Internal view of transformer



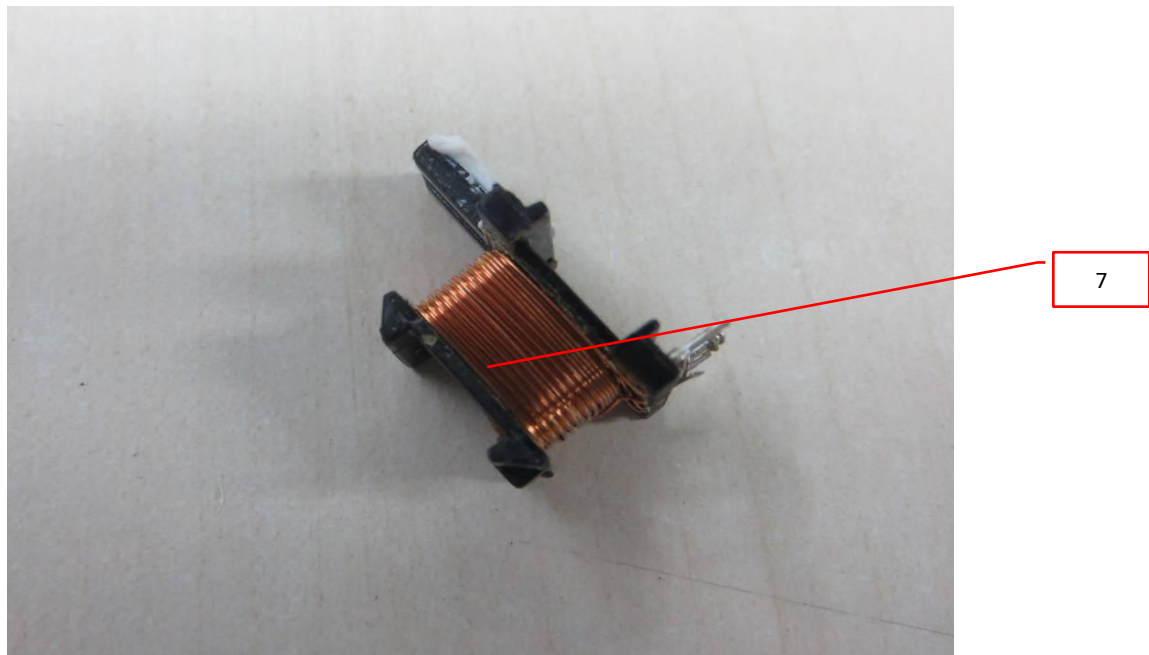
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3.0 Product Photographs

Photo 17 - Internal view of transformer



Photo 18 - Internal view of transformer



3.0 Product Photographs

Photo 19 - Internal view of transformer

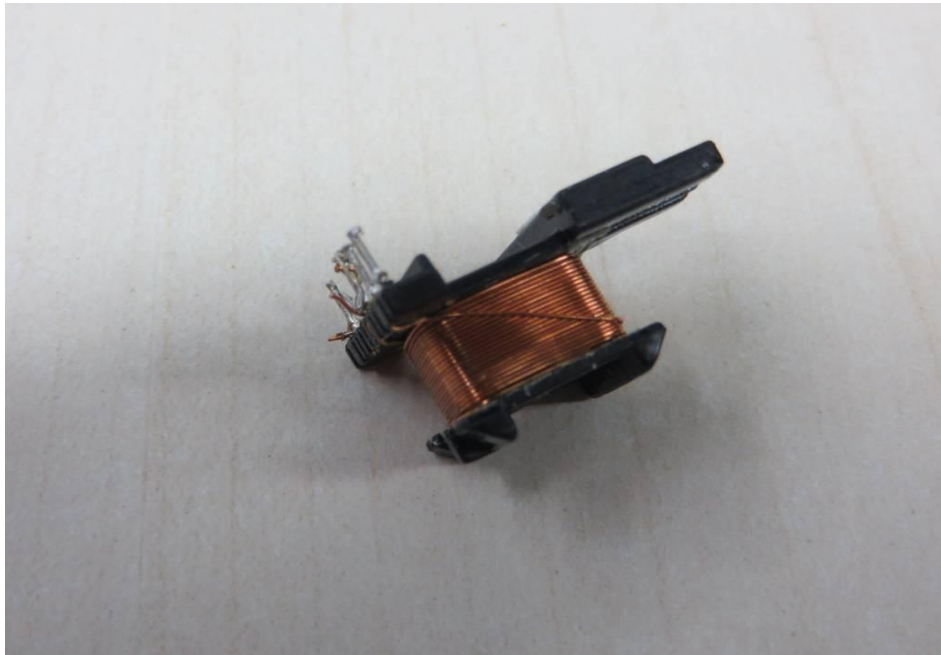
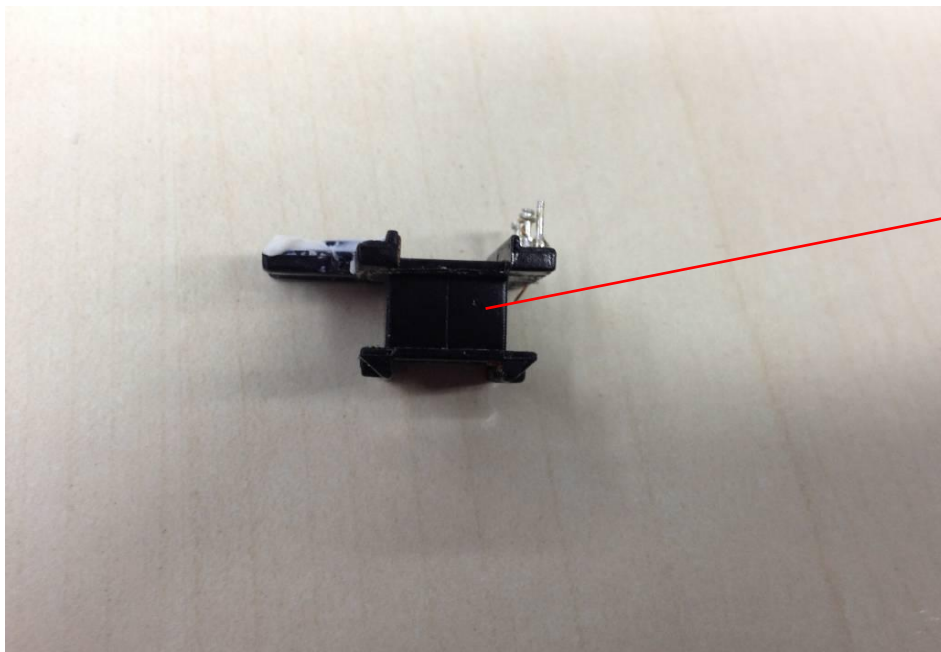


Photo 20 - Internal view of transformer



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	1	Plastic enclosure&Blade holder	SABIC INNOVATIVE PLASTICS B V	SE1X	PPE+PS, V-1, HWI 0, HAI 0, 105°C, min thickness: 1.5mm;	cURus
			TEIJIN CHEMICALS LTD	LN-1250G	Min. V-0 at 1.5 mm thickness 115°C	cURus
			SABIC JAPAN L L C	945 (GG)	Min. V-0 at 1,5 mm thickness, 115°C	cURus
			SABIC INNOVATIVE PLASTICS US L L C	915R(GG)	Min. V-1 at 1,5 mm thickness, 105°C	cURus
			LG CHEM (GUANGZHOU) ENGINEERING PLASTICS CO LTD	LUPOY EF-1006F(m)	Min. V-1 at 1,5 mm thickness, 105°C	cURus
			COVESTRO DEUTSCHLAND AG [PC RESINS]	FR6005 + (z)	Min. V-1 at 1,5 mm thickness, 105°C	cURus
			SILVER AGE ENGINEERING PLASTICS (DONGGUAN) CO LTD	PC2330	Min. V-1 at 1,5 mm thickness, 105°C	cURus
2	2	Label (not shown)	DONGGUAN XIANGQUAN PRINTING CO LTD	XQ03	Rated min 80°C Suitable for use on the plastic enclosure	cURus
			FAN JA PAPER PRINTING CO LTD	FJ-03-3		
			FAN JA PAPER PRINTING CO LTD	FJ07		
			DONGGUAN XIANGQUAN PRINTING CO LTD	XQ004-B		
			E-LIN ADHESIVE LABEL CO LTD	EL-15		
			SHENZHEN CORWIN PRINTING CO LTD	CW-01		
			YUEN CHANG SPECIAL PRINTING (SHENZHEN) CO LTD	JL-08		
				JL-02		
			Various	Various		
			GlobTek	Various	Engraving or Silkscreen or laser (Optional)	NR

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
7	3	Fuse (FS1)	Conquer Electronics Co., Ltd.	MST	T1AL, 250V, Rated breaking capacity 100A	cURus
			Ever Island Electric Co., Ltd. and Walter Electric	2010	T1AL, 250V, Rated breaking capacity 130A	
			Walter Electronic Co. Ltd.	ICP series	T1AL, 250V, Rated breaking capacity 50A, wrapped with heat shrinkable tubing.	
			Dongguan Better Electronics Technology Co., Ltd.	932	T1AL, 250V, Rated breaking capacity 35A	
7	4	PCB	WALEX ELECTRONIC (WUXI) CO LTD	T2A	Min. 1,6 mm thickness, min. V-0, 130°C	cURus
				T2B		
				T4		
				T2		
			DONGGUAN HE TONG ELECTRONICS CO LTD	CEM1	Min. 1,6 mm thickness, min. V-0, 130°C	
				2V0		
				FR4		
			CHEERFUL ELECTRONIC (HK) LTD	02	Min. 1,6 mm thickness, min. V-0, 130°C	
				03		
				03A		
			DONGGUAN DAYSUN ELECTRONIC CO LTD	DS2	Min. 1,6 mm thickness, min. V-0, 130°C	
			SUZHOU CITY YILIHUA ELECTRONICS CO LTD	YLH-1	Min. 1,6 mm thickness, min. V-0, 130°C	
			DAFENG AREX ELECTRONICS TECHNOLOGY CO LTD	02V0	Min. 1,6 mm thickness, min. V-0, 130°C	
				03V0		
				04V0		
			KUOTIANG ENT LTD	C-2	Min. 1,6 mm thickness, min. V-0, 130°C	
				C-2A		
				C-4		
			SHENZHEN TONGCHUANGXI N ELECTRONICS CO LTD	TCX	Min. 1,6 mm thickness, min. V-0, 130°C	
			PACIFIC WIN INDUSTRIAL LTD	PW-02	Min. 1,6 mm thickness, min. V-0, 130°C	
				PW-03		
			GOLDEN TRIANGLE PCB & TECHNOLOGIES LTD	GT-D	Min. 1,6 mm thickness, min. V-0, 130°C	
			SHENZHEN JINDIAN	JD-1	Min. 1,6 mm thickness, min. V-0, 130°C	
				JD-1A		
			KINGBOARD LAMINATES	KB-3151C	Min. 1,6 mm thickness, min. V-0, 130°C	
				KB-5150		
			Various	various	Min. 1,6 mm thickness, min. V-0, 130°C	

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
7	5	Y-Capacitor (CY1, CY2) (optional)	TDK-EPC CORPORATION	CD	Y1, AC250V, max 2200pF, 25/085/21/B	cURus
			SUCCESS ELECTRONICS CO LTD	SE	Y1, AC250V, max 2200pF, 30/125/56/C	
				SB		
			JUSUN (TAISHAN) ELECTRONICS LTD	JB	Y1, AC250V, max 2200pF, 30/125/56/C	
			XIANGTAI ELECTRONIC (SHENZHEN) CO LTD	YO-series	Y1, AC250V, max 2200pF, 30/125/56/C	
			DONGGUAN EASY-GATHER ELECTRONIC CO LTD	DCF	Y1, AC250V, max 2200pF, 30/125/56/C	
			MURATA MFG CO LTD	KX	Y1, AC250V, max 2200pF, 25/125/21/B	
			WALSIN TECHNOLOGY CORP	AH	Y1, AC250V, max 2200pF, 25/125/21/B	
			JYA-NAY CO LTD	JN	Y1, AC250V, max 2200pF, 25/125/21/C	
			HAOHUA ELECTRONIC CO LTD	CT7	Y1, AC250V, max 2200pF, 30/125/56/C	
			HONGZHI ENTERPRISES LTD	Y	Y1, AC250V, max 2200pF, 25/085/21/C	
7	6	Transformer (T1)	ENG	XF00955	Class B, with certified Insulation system.	NR
			GlobTek	XF00955		
			BOAM	XF00955		
			HAOPUWEI	XF00955		
18	7	Magnet wire	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD	UEWN/U	MW28-C, 130°C	cURus
				UEWS/U	MW75-C, 130°C	
			JUNG SHING WIRE CO LTD	UEW-4	MW75C, 130°C	
				UEY-2	MW28-C, 130°C	
			JIANGSU HONGLIU MAGNET WIRE TECHNOLOGY CO LTD	2UEW/130	MW75-C, 130°C	
			WUXI JUFENG COMPOUND LINE CO LTD	2UEWB	MW75#, 130°C	
18	7	Magnet wire	JIANGSU DARTONG M & E CO LTD	UEW	MW 75-C, 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
			SHANDONG SAINT ELECTRIC CO LTD	UEW/130	MW75#, 130°C	
			ZHEJIANG LANGLI ELECTRIC EQUIPMENTS CO LTD	UEW	MW 79#, 130°C	
16	8	Triple-insulated wire (Secondary)	GREAT LEOFLON INDUSTRIAL CO LTD	TRW (B) Serie(s)	Min.130°C, Reinforced insulation, Class B	cURus
			KBI COSMOLINK CO.,LTD.	TIW-M Serie(s)		
			FURUKAWA ELECTRIC CO LTD	TEX-E		
			TOTOKU ELECTRIC CO LTD	TIW-2		
			E&B TECHNOLOGY CO LTD	E&B-XXXB E&B-XXXB-1		
			CHANGYUAN ELECTRONICS (SHENZHEN) CO LTD	CB-TIW		
			SHENZHEN JIUDING NEW MATERIAL CO LTD	DTIW-B		
20	9	Bobbin	CHANG CHUN PLASTICS CO LTD	T375J T375HF	V-0, 150°C, thickness 0.45 mm min.	cURus
			SUMITOMO BAKELITE CO LTD	PM-9820		
			Resonac Techno Service Corporation	CP-J-8800		
17	10	Insulating tape	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	1350F-1	Min.130°C	cURus
				1350T-1		
				44		
			BONDTEC PACIFIC CO LTD	370S		
			JINGJIANG YAHUA PRESSURE SENSITIVE GLUE CO LTD	PZ		
				CT		
				WF		
			HUIZHOU YAHUA ELECTRONIC TECHNOLOGY CO LTD	CT		

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
			JINGJIANG JINGYI ADHESIVE PRODUCT CO LTD	JY25-A		
			CHANG SHU LIANG YI TAPE INDUSTRY CO LTD	LY-XX		
13	11	PTFE tubing	GREAT HOLDING INDUSTRIAL CO LTD	TFT	Min. 300V, 200°C	cURus
				TFS		
			SHENZHEN WOER HEAT-SHRINKABLE MATERIAL CO LTD	WF	600V, 200°C	
			CHANGYUAN ELECTRONICS (SHENZHEN) CO LTD	CB-TT-T	Min. 300V, 200°C	
				CB-TT-S		
			7	12	Insulation system (not shown)	
BOAM	BOAM-01					
ENG	ENG130-1					
WUXI HAOPUWEI ELECTRONICS CO LTD	ZT-130					
7	13	Fuse resistor (RF1)	ANHUI CHANGSHENG ELECTRONICS CO LTD	RXF21-1W	2Ω, 1W	cURus
			SHENZHEN GREAT ELECTRONICS CO LTD	RXF-1W		
			JIANGSU XINYANG ELECTRONIC COMPONENT CO LTD	RF10-1W		
			SHENZHEN KAYOCOTA ELECTRONICS CO LTD	FRKNP-1WS		
			ANHUI CHANGSHENG ELECTRONICS CO LTD	FRT-1W		
			TZAI YUAN ENTERPRISE CO LTD	KNF1W		

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

3) Indicates specific marks to be verified, which assures the agreed level of surveillance for the component.

5.0 Critical Unlisted CEC Components

No Unlisted CEC components are used in this report.
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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.

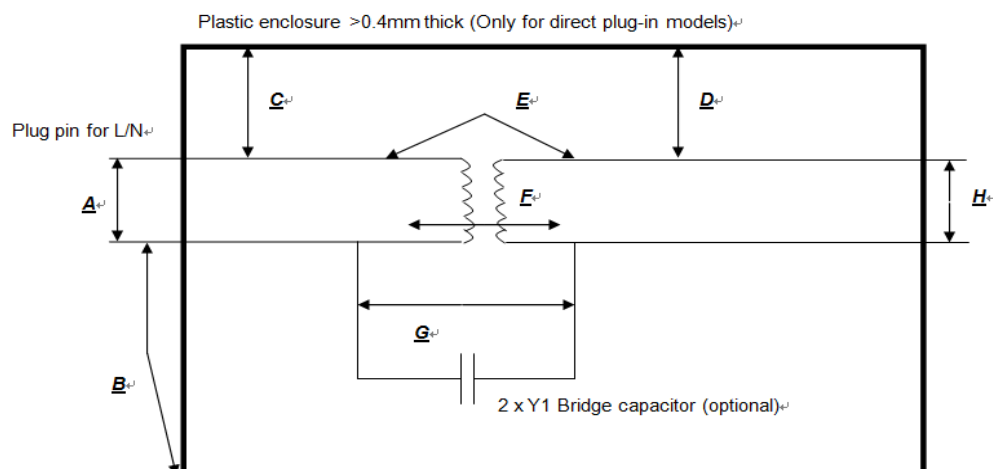
Critical Features/Components - An essential part, material, subassembly, system, software, or accessory of a product that has a direct bearing on the product's conformance to applicable requirements of the product standard.

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 - Refer to illustration No(s) 2 for details.
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.
5. Grounding - This product is not provided with a means of grounding as it is double insulated for Class II model.
6. Polarized Connection - This product is provided with a polarized power supply connection.
7. Internal Wiring - Final determination in end-product evaluation.
9. Markings - The product is marked refer to section 2:
 - 1.brand name
 - 2.model number
 - 3.electrical ratings4.manufacturer.
10. Safety Instructions - Accompanying Documents are provided for some critical issue like technical data, safety warnings, necessary information to set up, but further evaluation is needed on end product level.

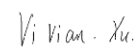

7.0 Illustrations

Illustration 2 - Insulation diagram



Area	Number and type of Means of Protection: MOOP, MOPP	CTI	Working voltage		Required creepage (mm)	Required clearance (mm)	Measured creepage (mm)	Measured clearance (mm)	Remarks
			V_{wom}	V_{wb}					
A	1MOOP	IIIb	240	—	3	3	3.7	3.7	Mains opposite polarity
B	2MOPP	IIIb	240	—	8.0	6.5	8.2	8.2	Mains (plug pin) to enclosure (accessible position during normal use)
C	2MOPP	IIIb	240	—	—	—	—	—	Mains to external of enclosure (>0.4mm thick plastic enclosure, solid insulation)
D	2MOPP	IIIb	—	Max. 48	—	—	—	—	Secondary to external of enclosure (>0.4mm thick plastic enclosure, solid insulation)
E	2MOPP	IIIb	240	352	8.0	6.5	9	9	Mains to secondary on PCB
F	2MOPP	IIIb	240	352	8.0	6.5	9	9	Mains to secondary on transformer
G	2MOPP	IIIb	240	352	8.0	6.5	10.5	10.5	Mains to secondary on bridge capacitors, see 8.5.1.2 and 8.8.3
H	2MOPP	IIIb	—	Max. 48	—	—	—	—	Accessible part per 8.4.2c)

8.0 Test Summary					
Evaluation Period	10/8/2017-11/16/2017		Project No.	170902395SHA	
Sample Rec. Date	8-Oct-2017	Condition	Prototype	Sample ID.	0150727-54
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:					
		AAMI ES60601-1:2005 +A1 CSA C22.2#60601-1:2014 Ed.3 Clause			
Test Description					
Power Input		4.11			
Humidity Preconditioning		5.7			
Accessible Parts		5.9.2			
Legibility of Markings		7.1.2			
Durability of Markings		7.1.3			
Plug Voltage and/or Energy		8.4.3			
Working Voltage Measurement		8.5.4			
Earthing		8.6.4			
Leakage Current Test terminations		8.7.4			
Dielectric Strength Means		8.8.3			
Ball Pressure Test		8.8.4.1			
Creepage & Clearance Measurements		8.9.4			
Surfaces, corners and edges		9.3			
Excessive Temperature		11.1			
Single Fault Conditions		13.2			
Push Test		15.3.2			
Impact Test		15.3.3			
Drop Test		15.3.4			
Moulding Stress Relief		15.3.6			
Transformer Short-Circuit		15.5.1.2			
Transformer Overload		15.5.1.3			
Transformer Dielectric Strength		15.5.2			
		IEC 60601-1-11:2015 Ed.2 Clause			
Test Description					
Environmental condition test of transport and storage between uses		4.2.2			
Continuous operating conditions		4.2.3.1			
Shock test		10.1.2 a)			
Vibration test		10.1.2 b)			
Evaluation Period	13-May-2023 to 01-June-2023		Project No.	230600003SHA	
Sample Rec. Date	13-May-2023	Condition	Prototype	Sample ID.	0230513-001-001
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:					
		ANSI/AAMI ES60601-1:2005+A1;A2 CSA C22.2#60601-1:2014 Ed.3+A2 Clause			
Test Description					
Power Input		4.11			
Humidity Preconditioning		5.7			
Accessible Parts		5.9.2			
Legibility of Markings		7.1.2			
Durability of Markings		7.1.3			
Plug Voltage and/or Energy		8.4.3			

8.0 Test Summary			
Working Voltage Measurement	8.5.4		
Earthing	8.6.4		
Leakage Current Test terminations	8.7.4		
Dielectric Strength Means	8.8.3		
Ball Pressure Test	8.8.4.1		
Creepage & Clearance Measurements	8.9.4		
Surfaces, corners and edges	9.3		
Excessive Temperature	11.1		
Single Fault Conditions	13.2		
Push Test	15.3.2		
Impact Test	15.3.3		
Drop Test	15.3.4		
Moulding Stress Relief	15.3.6		
Transformer Short-Circuit	15.5.1.2		
Transformer Overload	15.5.1.3		
Transformer Dielectric Strength	15.5.2		
	IEC 60601-1-11:2015 Ed.2+A1		
Test Description	Clause		
Environmental condition test of transport and storage between uses	4.2.2		
Continuous operating conditions	4.2.3.1		
Shock test	10.1.2 a)		
Vibration test	10.1.2 b)		
	IEC 60601-1-6:2010 Ed.3+A1;A2		
Test Description	Clause		
Just evaluation, not test.	No test		
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:	Vivian Xu	Reviewed by:	Larry Zhong
Title:	Project Engineer	Title:	Project Reviewer
Signature:		Signature:	

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	Medical Power Supply / USB Hospital-Grade wall charger

MULTIPLE LISTEE 1	Eaton Corporation				
Address	10000 Woodward Ave., Woodridge, IL 60517				
Country	USA				
Brand Name	EATON, EATON TRIPP LITE SERIES, TRIPP LITE 				
ASSOCIATED MANUFACTURER	GlobTek (Suzhou) Co., Ltd				
Address	Building 4, No. 76 JinLing East Road, Suzhou Industrial Park, Suzhou, JiangSu, 215021,				
Country	China				
<table> <tr> <th>MULTIPLE LISTEE 1 MODELS</th><th>BASIC LISTEE MODELS</th></tr> <tr> <td>U280-001-W2-HG</td><td>GTM46101-1306-0.8-USB</td></tr> </table>		MULTIPLE LISTEE 1 MODELS	BASIC LISTEE MODELS	U280-001-W2-HG	GTM46101-1306-0.8-USB
MULTIPLE LISTEE 1 MODELS	BASIC LISTEE MODELS				
U280-001-W2-HG	GTM46101-1306-0.8-USB				

MULTIPLE LISTEE 2	None				
Address					
Country					
Brand Name					
ASSOCIATED MANUFACTURER					
Address					
Country					
<table> <tr> <th>MULTIPLE LISTEE 2 MODELS</th><th>BASIC LISTEE MODELS</th></tr> <tr> <td></td><td></td></tr> </table>		MULTIPLE LISTEE 2 MODELS	BASIC LISTEE MODELS		
MULTIPLE LISTEE 2 MODELS	BASIC LISTEE MODELS				

MULTIPLE LISTEE 3	None				
Address					
Country					
Brand Name					
ASSOCIATED MANUFACTURER					
Address					
Country					
<table> <tr> <th>MULTIPLE LISTEE 3 MODELS</th><th>BASIC LISTEE MODELS</th></tr> <tr> <td></td><td></td></tr> </table>		MULTIPLE LISTEE 3 MODELS	BASIC LISTEE MODELS		
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.

If all standards on the ATM have the same standard title, the shared title or its abbreviation may be used in place of the examples above. Example: "Medical Electrical Equipment" or "MEE"; "Information Technology Equipment" or "ITE"; "Audio/Video Information And Communication Technology Equipment" or "A/V ICTE".

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.

The Applicant will be notified, in writing, via the applicable contact methods, as defined in Section 1.0, when these components must be selected and sent to Component Evaluation Center (CEC) for re-evaluation.

Due to particular testing requirements, some components may be requested to be shipped to specific labs. Thus, specific shipment destination(s) for each sample will be provided in the written notification.

Managing CEC Location:
Intertek Testing Services Shanghai Limited
ETL Component Evaluation Center
Building No. 86, 1198 Qinzhou Road (North)
Shanghai 200233, China
Attn: Ms. Emiliana Zhou

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
The test shall be conducted on products, which are fully assembled. Prior to applying the test potential, all
The test voltage specified below shall be applied between primary circuits and accessible dead-metal parts. The

Test Equipment

The test equipment shall incorporate a transformer with an essentially sinusoidal output, a means to indicate the
The test equipment shall incorporate a voltmeter in the output circuit to indicate directly the applied test potential if
If the rated output of the test equipment is 500VA or more, the applied test potential may be indicated by either:

Products Requiring Dielectric Voltage Withstand Test:

<u>Product</u>	<u>Test Voltage</u>	<u>Test Time</u>
Between mains part and secondary circuits	4000Vac	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
27-Jun-2023	 Vivian Xu/Larry Zhong  Larry Zhong	1	-	Updated the standards from "Medical Electrical Equipment - Part 1: General Requirements For Basic Safety And Essential Performance [AAMI ES60601-1:2005 +A1]" to "Medical Electrical Equipment - Part 1: General Requirements for Basic Safety and Essential Performance [ANSI/AAMI ES60601-1:2005+A1;A2]", from "Medical Electrical Equipment - Part 1: General Requirements For Basic Safety And Essential Performance [CSA C22.2#60601-1:2014 Ed.3]" to "Medical Electrical Equipment - Part 1: General Requirements for Basic Safety and Essential Performance (R2022) [CSA C22.2#60601-1:2014 Ed.3+A2]", from "Medical Electrical Equipment - Part 1-11: General Requirements For Basic Safety And Essential Performance - Collateral Standard: Requirements For Medical Electrical Equipment And Medical Electrical Systems Used In The Home Healthcare Environment [IEC 60601-1-11:2015 Ed.2]" to "Medical Electrical Equipment – Part 1–11: General Requirements for Basic Safety and Essential Performance – Collateral Standard: Requirements for Medical Electrical Equipment and Medical Electrical Systems Used in the Home Healthcare Environment [IEC 60601-1-11:2015 Ed.2+A1]", according to the EDGE.
		1	-	Updated the standards from "Medical Electrical Equipment - Part 1-6: General Requirements For Basic Safety And Essential Performance - Collateral Standard: Usability [IEC 60601-1-6:2010 Ed.3+A1]" to "Medical Electrical Equipment – Part 1-6: General Requirements for Basic Safety and Essential Performance – Collateral Standard: Usability [IEC 60601-1-6:2010 Ed.3+A1;A2]", from " Medical Electrical Equipment - Part 1-6: General Requirements For Basic Safety And Essential Performance - Collateral Standard: Usability [IEC 60601-1-6:2010 Ed.3+A1]" to "Medical Electrical Equipment - Part 1-6: General Requirements for Basic Safety and Essential Performance - Collateral Standard: Usability [CSA C22.2#60601-1-6:2011 Ed.3+A1;A2]", according to the EDGE.
		2	-	Detailed the output of rating from "Refer to illustration No.1 for details." to "GT*46101-*05*-USB: 5Vdc,2A max.GT*46101-*06*-USB: 5.1-5.5Vdc,2.54A max."
		3	1	Replaced with the new picture.
		3	2	Replaced with the new picture.

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
		4	1	Deleted the enclosure type of "C2950", "CX7211", "EXCY0098", "945", "LN-1250P", "PA-765A", "PC-540", added the alternative type of "945(GG)", "LUPOY EF-1006F(m)", "FR6005+(z)", "PC2330".
		4	3	Deleted the fuse type of "RST", "SS-5", "385T series", "SMT", "PC-540", added the alternative fuse type of "932".
		4	4	Added the alternative PCB type of "T2", "03V0", "C-4", "JD-1", "JD-1A", "KB-3151C", "KB-5150". Deleted "LYH" from "SUZHOU CITY YILIHUA ELECTRONICS CO LTD", "DKV0-3A" "DGV0-3A" from "BRITE PLUS ELECTRONICS (SUZHOU) CO LTD".
		4	5	Added the alternative Y-Capacitor type "JB", "YO-series", "DCF".
		4	7	Deleted the type "2UEW/130 (UL E158909)" from "CHANGZHOU DAYANG WIRE & CABLE CO LTD".
		4	10	Added the alternative type "CT" from "HUIZHOU YAHUA ELECTRONIC TECHNOLOGY CO LTD".
		6	8	Deleted the item 8 of "Schematics - Refer to Illustration No(s). 3-4 for schematics & PCB layout requiring verification during Field Representative Inspection Audits."
		6	9	Changed from "Markings - The product is marked as follows: brand name, model number, electrical ratings, manufacturer. Refer to Illustration No. 5 for details." to "Markings - The product is marked refer to section 2: 1.brand name 2.model number 3.electrical ratings 4.manufacturer."
		7	1	Deleted "Illustration 1-model list" and added the information to "rating" in section 2
		7	3	Deleted "Illustration 3 - Schematics"
		7	4	Deleted "Illustration 4 - PCB LAYOUT"
		7	5	Deleted "Illustration 5 - Marking label"
		8	-	Added new test block in section 8.
		8.1	-	Revised with new signatures.
		9	-	Changed the MULTIPLE LISTEE 1 from "Tripp Lite" to "Eaton Corporation" caused by the Eaton's acquisition of Tripp Lite.
230600003SHA		10	-	Changed from "Attn:Ms. Angela Han" to "Attn:Emiliana Zhou".