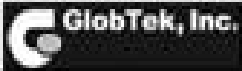


RECOGNIZED COMPONENT Constructional Data Report (CDR)

1.0 Reference and Address					
Report Number	151100934SHA-001	Original Issued:	25-Dec-2015	Revised:	None
Standard(s)	<p>AAMI ES60601-1 Issued: 2012/08/20 Medical Electrical Equipment - Part 1: General Requirements for Basic Safety and Essential Performance, Amendment 1</p> <p>CAN/CSA-C22.2 No.60601-1:14, Third Edition Issued: 2014/03/01 - Medical Electrical Equipment - Part 1: General Requirements for Basic Safety and Essential Performance</p> <p>IEC 60601-1-11 Issued: 2015/01/20 Ed. 2 Medical Elec. Equip.- Part 1-11: Gen. Req. for Basic Safety & Essential Perf.- Collateral Standard - Req. for Medical Elec. Equip. & Medical Elec. Systems Used in the Home Healthcare Environment</p>				
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	Hans Moritz	Contact	Demon Zhou		
Phone	(201)784-1000 Ext.253	Phone	86 512 6279 0301 Ext.189		
FAX	(201)784-0111	FAX	86 512 6279 0355		
Email	Moritzh@globtek.com	Email	demon.zhou@globtek.cn		

2.0 Product Description	
Product	Medical Power Supply
Brand name	
Description	<p>Product covered by this report is medical power supply module, which can be used as a part of medical equipment. The different models are corresponding to four structure types respectively. First structure is 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>Second structure is open frame type which also provides a protective earth bonding terminal on the PCB. Interchangeable appliance inlets can be mounted on the device, which can provide earthing connection or not. The installation and use for the insulation construction shall be finally determined in the end product.</p> <p>Third structure 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> <p>Fourth structure is used in model series GT*41134***** and GT*96060*****, it use F1 fuse in primary circuit and a LED indicator (optional) used in secondary circuit.</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. This product should be purchased together with the end equipment, it can not be sold separately. Altitude: less than 5000m</p>
Models	GT*41134***** GT*96060***** GT-41134-0606-W2-TAB
Model Similarity	<p>GT*41134***** and GT*96060*****</p> <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".</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 6th "*" = Blank means directly plug in model series, = "-F" means Class I open frame model with connector which is fixing on the PCB, = "-FW" means Class II open frame model with connector which is fixing on the PCB. = "-FWT2" means open frame model with appliance inlet with Class II inlet C8 respectively, = "-FT3A" means open frame model with appliance inlet with Class I inlet C6 respectively, = "-FT3" means open frame model with appliance inlet with Class I inlet C14 respectively,</p> <p>The last * denote any six character = 0-9 or A-Z or ([] or - or blank for marketing purposes.</p> <p>Test performed on 3.3V, 5V, 9V and 48V output model as worst condition, and also performed on this component when installed in the end product.</p> <p>GT*96060***** is identify with GT*41134***** except for model name.</p> <p>GT*96060***** and GT*41134***** were evaluated for maximum manufacturer's recommended ambient of 50 °C. GT-41134-0606-W2-TAB was evaluated for maximum manufacturer's recommended ambient of 50 °C.</p>
Ratings	Input: 100-240V~, 50-60Hz, 0.3A or 0.6A for GT*41134***** and GT*96060***** 120V~, 60Hz, 0.3A for GT-41134-0606-W2-TAB Output: Refer to illustration No.1 for details.
Other Ratings	N/A

2.0 Product Description

Conditions of
Acceptability

The products covered in this Report are incomplete in construction features or limited in performance capabilities and are intended for use and evaluation in other products. Consideration should be given to the following when the component is used in or with another product.

1. Scope of Power Supply evaluation defers the following clauses to be determined as part of the end product investigation:

- a) Clause 7.9 (Accompanying Documents of power adapter model are provided for some critical issue like technical data, safety warnings, necessary information to set up. Further evaluation is needed for both power adapter model and open frame model on end product level.),
- b) Clause 8.11.5 (Mains Fuse with High Breaking Capacity),
- c) Clause 9 (ME Hazard), except 9.1 and 9.3 are evaluated,
- d) Clause 10 (Radiation),
- e) Clause 11.7 (Biocompatibility),
- f) Clause 14 (PEMS),
- g) Clause 16 (ME Systems),
- h) Clause 17 (EMC)

2. For open frame model

- Suitability of the enclosure should be evaluated when installed in the end product including access to energized parts, clearance & creepage distance measurement and mechanical strength.
- Temperature Testing should be performed on this component when installed in the end product.

3.0 Product Photographs

PHOTO 1 - EXTERNAL VIEW – 1 OF ADAPTER MODEL GT*41134*** (First structure)**



PHOTO 2 - EXTERNAL VIEW OF ADAPTER MODEL GT*41134*** (First structure)**



3.0 Product Photographs

PHOTO 3 - EXTERNAL VIEW OF ADAPTER MODEL GT*41134*** (First structure)**



PHOTO 4 - INTERNAL VIEW OF ADAPTER MODEL GT*41134*** (First structure)**



3.0 Product Photographs

PHOTO 5 - COMPONENT SIDE VIEW OF PCB OF ADAPTER MODEL GT*41134***** (First structure)

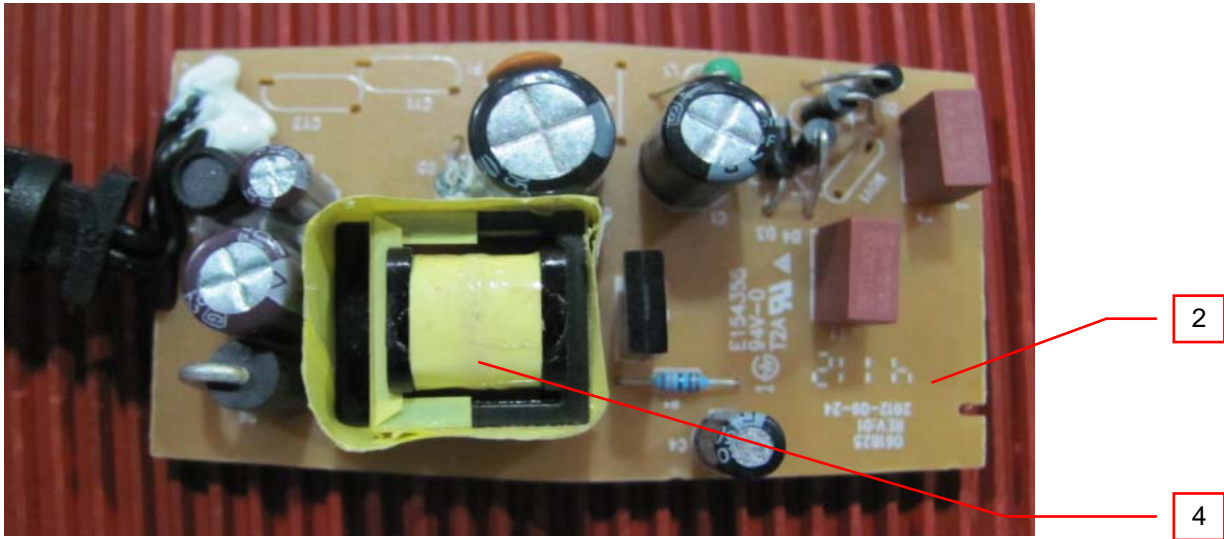
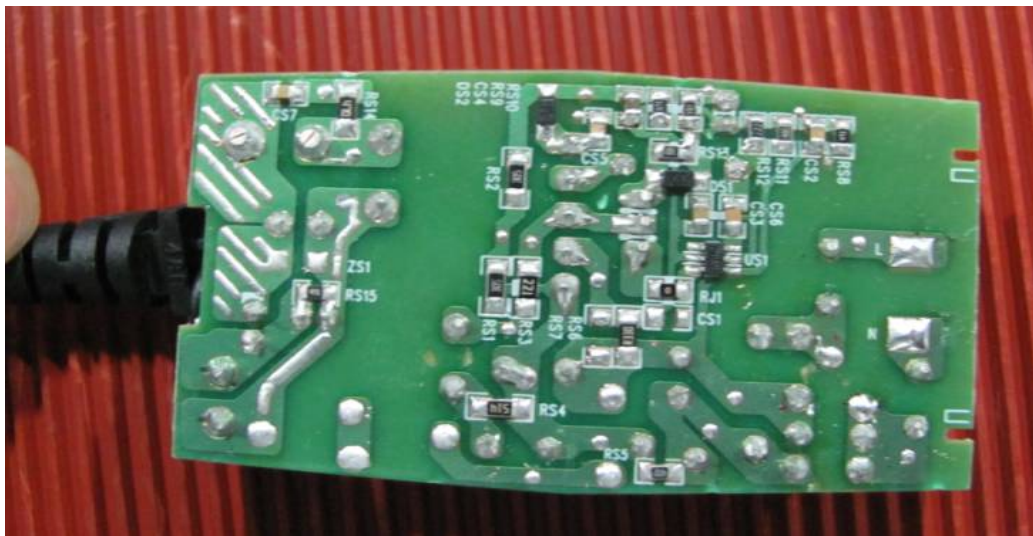


PHOTO 6 - SOLDERING SIDE VIEW OF PCB OF ADAPTER MODEL GT*41134***** (First structure)



3.0 Product Photographs

PHOTO 7 - COMPONENT SIDE VIEW OF OPEN FRAME MODEL(Second structure)

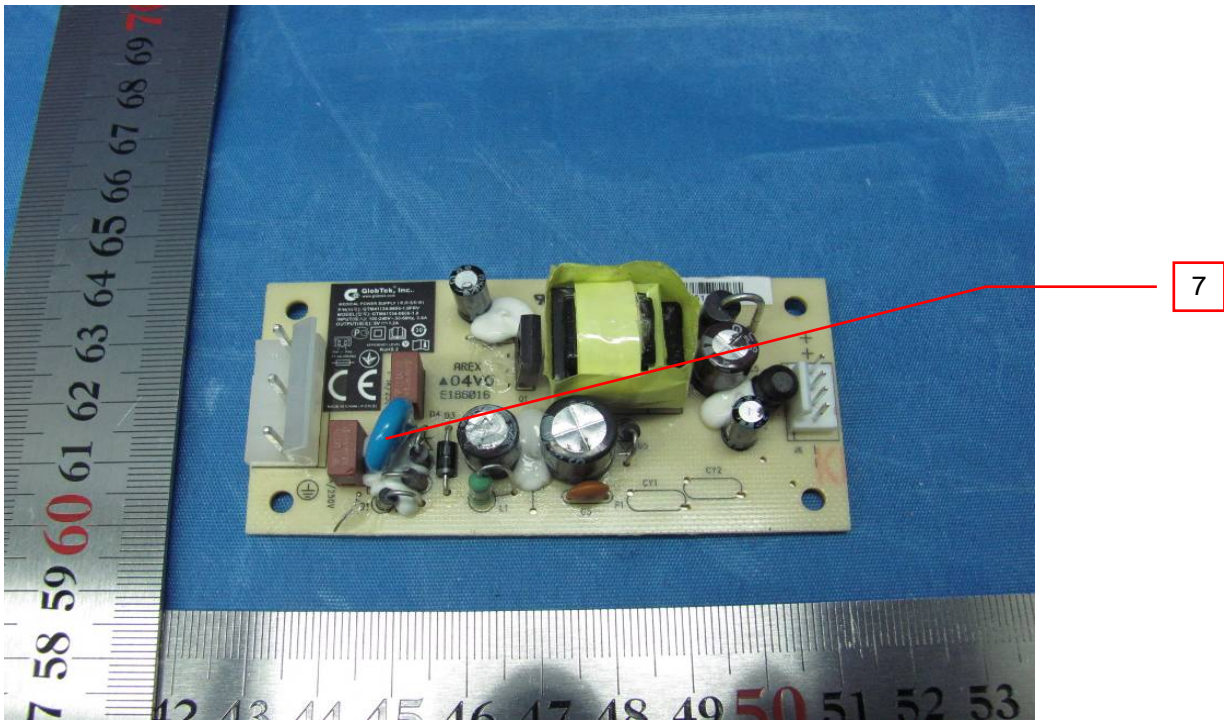
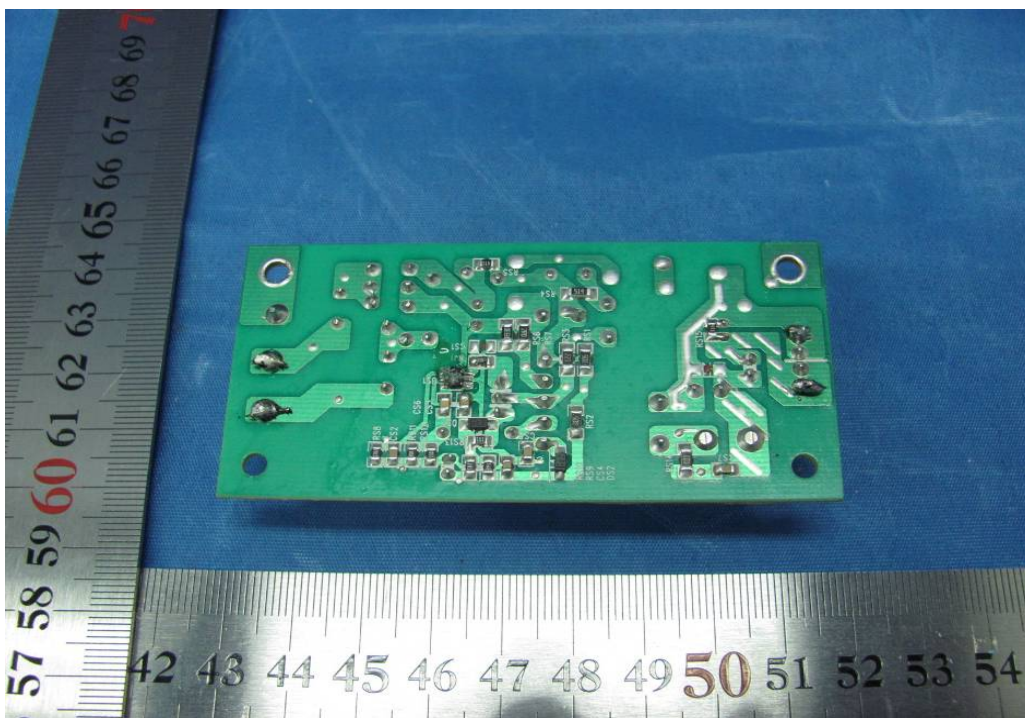


PHOTO 8 - SOLDERING SIDE VIEW OF OPEN FRAME MODEL (Second structure)



3.0 Product Photographs

PHOTO 9 - COMPONENT SIDE OF OPEN FRAME MODEL WITH APPLIANCE INLET(Second structure)

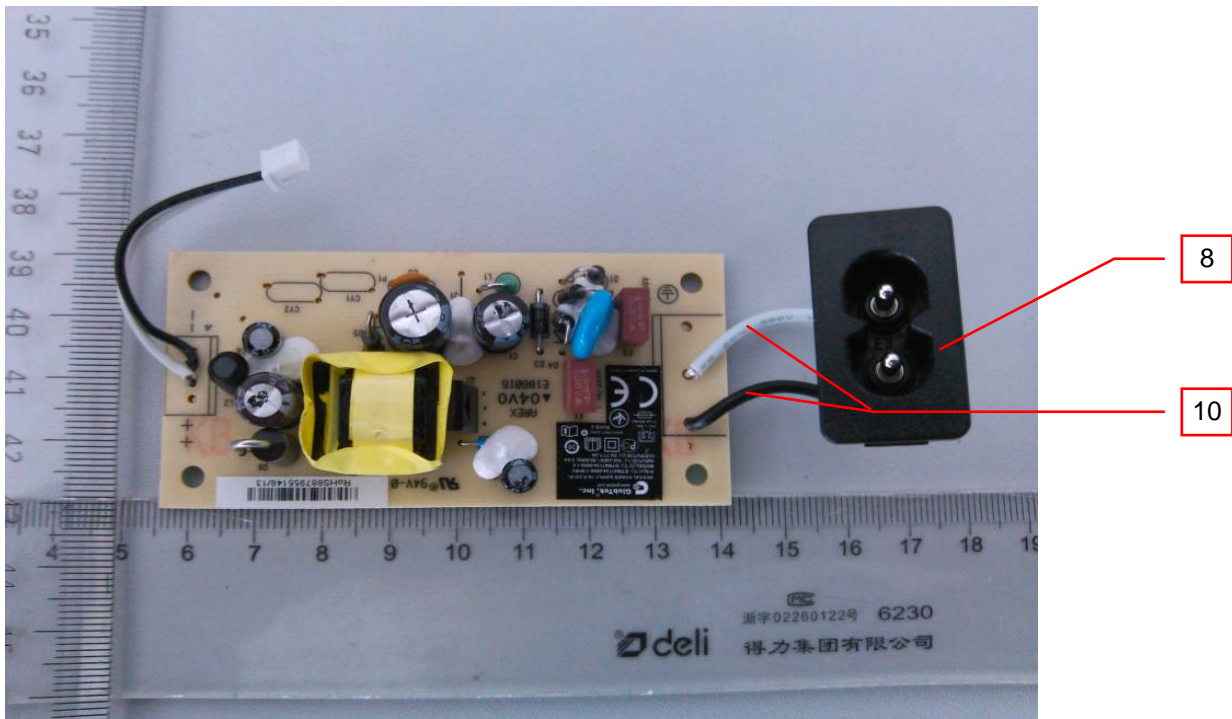
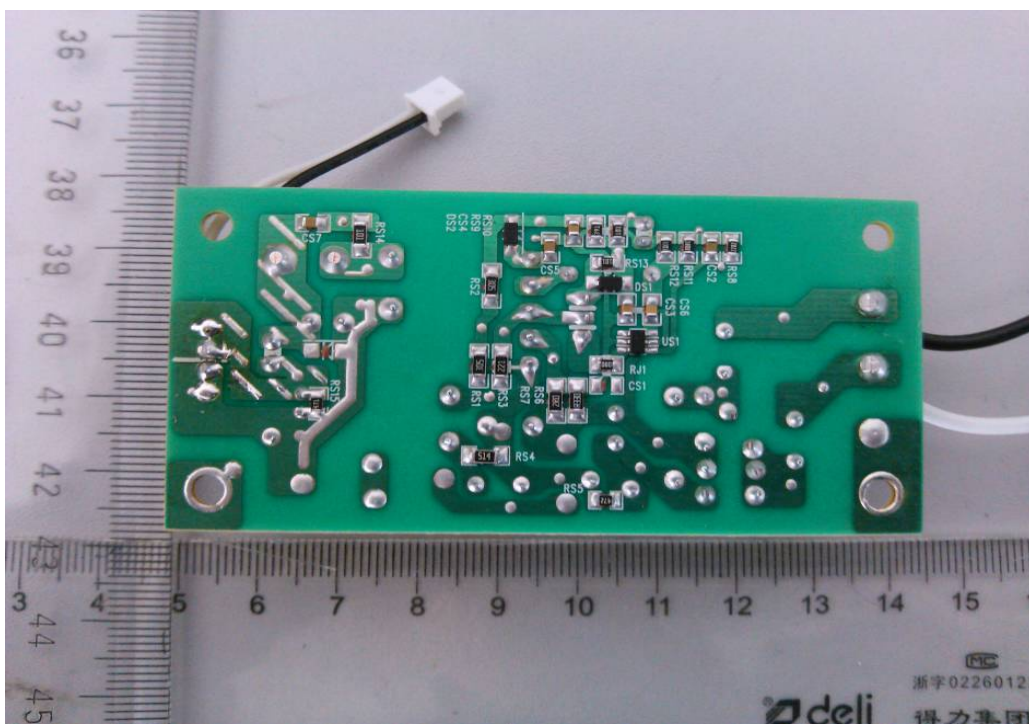


PHOTO 10 - SOLDERING SIDE OF OPEN FRAME MODEL WITH APPLIANCE INLET(Second structure)



3.0 Product Photographs

PHOTO 11 - EXTERNAL VIEW - 1 OF MODEL GT-41134-0606-W2-TAB(Third structure)



PHOTO 12 - EXTERNAL VIEW - 2 OF MODEL GT-41134-0606-W2-TAB(Third structure)



3.0 Product Photographs

Photo 13 - Component side view of PCB of model GT-41134-0606-W2-TAB(Third structure)

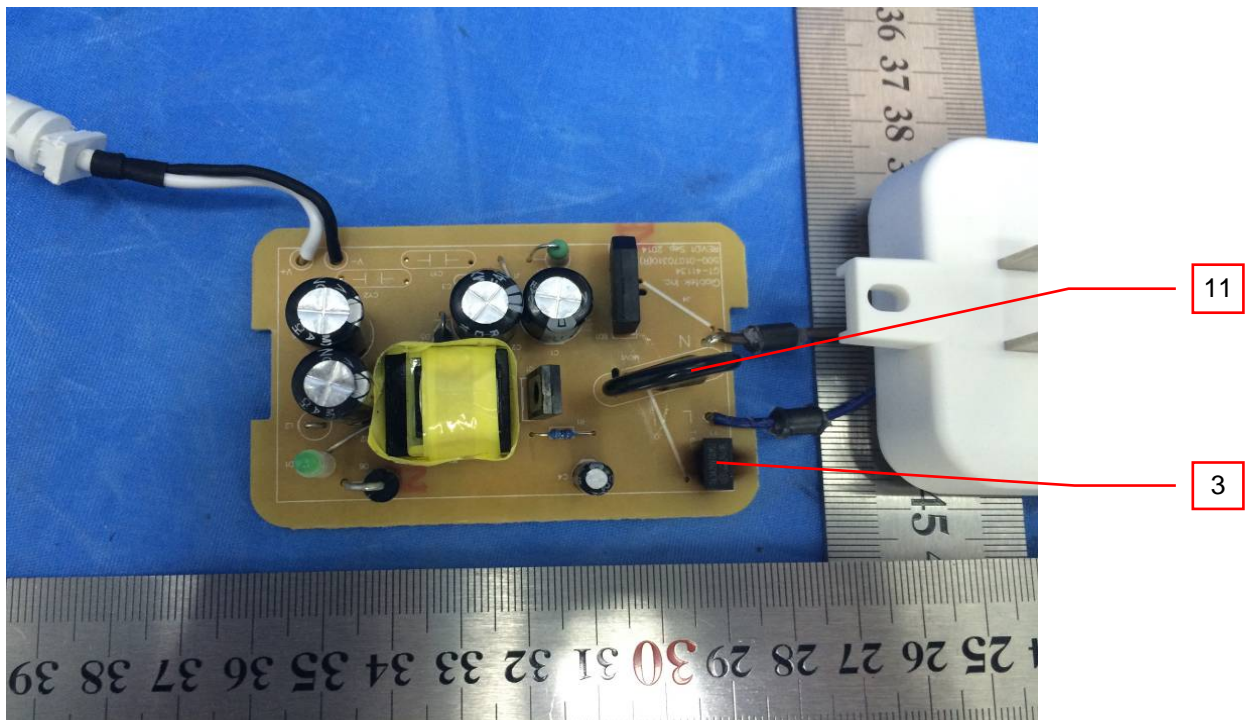
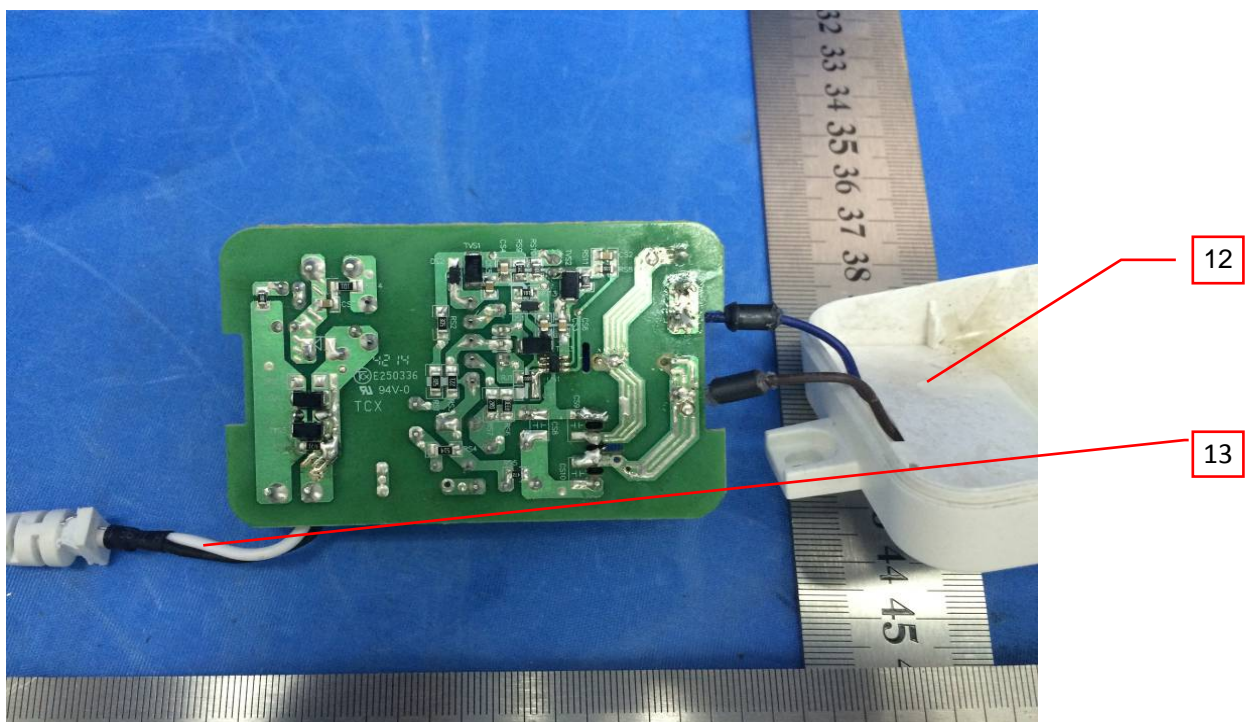


Photo 14 - Soldering side view of PCB of model GT-41134-0606-W2-TAB(Third structure)



3.0 Product Photographs

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



14

Photo 16 - Connector side view of NEMA 1-15P plug portion



3.0 Product Photographs

Photo 17 - External view of adapter model GT*96060***** (Fourth structure)



Photo 18 - Internal view of adapter model GT*96060***** (Fourth structure)



3.0 Product Photographs

Photo 19 - Component side view of PCB of model GT*96060*** (Fourth structure)**

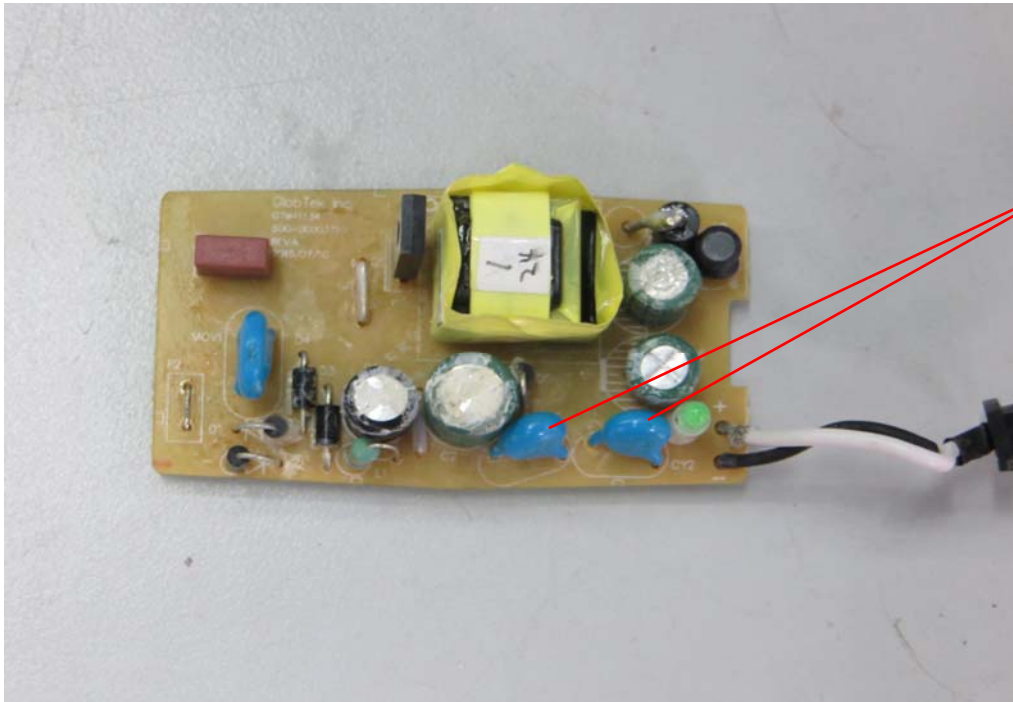
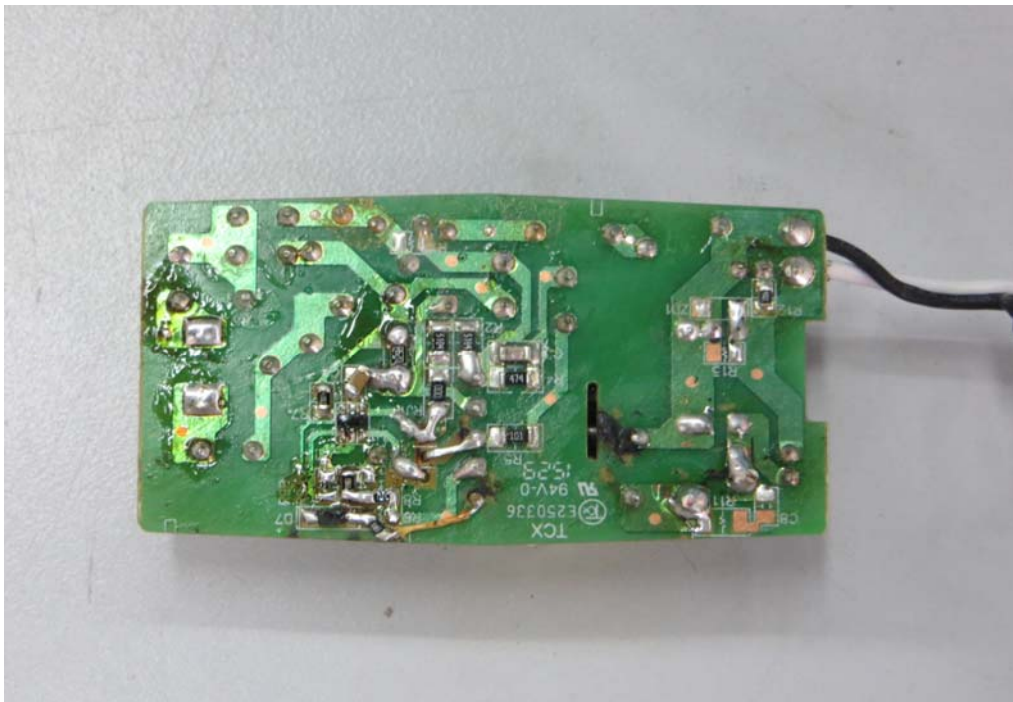


Photo 20 - Component side view of PCB of model GT*96060*** (Fourth structure)**



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		1	Enclosure & Blade holder	SABIC INNOVATIVE PLASTICS B V	SE1 SE1X 945	Min. V-1 at 1.5 mm thickness	cURus
				SABIC INNOVATIVE PLASTICS B V	SE100	Min. V-1 at 2.0 mm thickness	
				SABIC INNOVATIVE PLASTICS B V	C2950 CX721 EXCY0098 940	Min. V-0 at 2.0 mm thickness	
				TEIJIN CHEMICALS LTD	LN-1250P LN-1250G	Min. V-0 at 2.0 mm thickness	
				CHI MEI CORP	PA-765A	Min. V-1 at 2.0 mm thickness	
				CHI MEI CORP	PC-540	Min. V-0 at 2.0 mm thickness	
5		2	PCB material	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		
				CHEERFUL ELECTRONIC	03 03A		
				DONGGUAN DAYSUN ELECTRONIC CO LTD	DS2		
				SUZHOU CITY YILIHUA ELECTRONICS CO LTD	YLH-1		
				SHANGHAI AREX PRECISION ELECTRONIC CO LTD	04V0 02V0		
				BRITE PLUS ELECTRONICS (SUZHOU) CO LTD	DKV0-3A DGV0-3A		
				KUOTIANG ENT LTD	C-2 C-2A		
				PACIFIC WIN INDUSTRIAL LTD	PW-02, PW-03		
				TONGCHUANGXIN ELECTRONICS CO LTD	TCX		
Various	Various						

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
13		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 &	2010	T1A or T6.3A, 250V, Rated breaking capacity 130A	
				BEL FUSE INC	RST	T1A or T6.3A, 250V, Rated breaking capacity 100A	
					5ST	T1A or T6.3A, 250V, Rated breaking capacity 35A	
				COOPER BUSSMANN LLC	SS-5	T1A or T6.3A, 250V, Rated breaking capacity 35A	
				DAS & SONS INTERNATIONAL LTD	385T series	T1A or T6.3A, 250V, Rated breaking capacity 35A	
				LANSON ELECTRONICS CO LTD	SMT	T1A or T6.3A, 250V, Rated breaking capacity 35A	
				WALTER ELECTRONIC CO LTD	ICP series	T1A or T6.3A, 250V, Rated breaking capacity 50A.	
				ZHONG SHAN LANBAO ELECTRICAL APPLIANCES CO LTD	RTI-10 series	T1A or T6.3A, 250V, Rated breaking capacity 50A	
				SUN ELECTRIC CO	5T	T1A or T6.3A, 250V, Rated breaking capacity 100A	
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		5	Insulation system(not shown)		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			

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
19		6	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	
				MURATA MFG CO LTD	KX	Type Y1, max. 470pF, min. 250V, min. 125°C	
				WALSIN TECHNOLOGY CORP	AH	Type Y1, max. 470pF, min. 250V, min. 125°C	
				JYA-NAY CO LTD	JN	Type Y1, max. 470pF, min. 250V, min. 125°C	
				HAOHUA ELECTRONIC CO	CT7	Type Y1, max. 470pF, min. 250V, min. 125°C	
				JERRO ELECTRONICS CORP	JX-series	Type Y1, max. 470pF, min. 250V, min. 125°C	
				JYH CHUNG ELECTRONICS CO LTD	JD	Type Y1, max. 470pF, min. 250V, min. 125°C	
				WELSON INDUSTRIAL CO LTD	WD	Type Y1, max. 470pF, min. 250V, min. 125°C	
7		7	Varistor (MOV1) (Optional)	JOYIN CO LTD	07N471K 10N471K 14N471K	Maximum continuous voltage: 300Vac	cURus
				CENTRA SCIENCE CORP	07D471K 10D471K 14D471K		
				THINKING ELECTRONIC INDUSTRIAL CO LTD	TVR07471K TVR10471K TVR14471K		
				SUCCESS ELECTRONICS CO LTD	SVR07D471K SVR10D471K SVR14D471K		
				CERAMATE TECHNICAL CO LTD	GNR07D471K GNR10D471K GND14D471K		
				BRIGHTKING CO LTD	07D471K 10D471K 14D471K		
				LIEN SHUN ELECTRONICS CO LTD	07D471K 10D471K 14D471K		
				HONGZHI ENTERPRISES LTD	HEL-07D471K HEL-10D471K HEL-14D471K		
				GUANGXI NEW FUTURE INFORMATION	07D471K 10D471K 14D471K		

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
9		8	AC inlet (Class I or Class II)	Zhejiang LECI Electronics Co., Ltd.	DB-6	2.5A, 250Vac Standard sheet: C6	cURus
				Rich Bay Co., Ltd.	R-30790 R-307		
				Sun Fair Electric Wire & Cable (HK)Co. Ltd.	S-02		
				TECX-UNIONS Technology Corporation	TU-333		
				Rong Feng Industrial Co., Ltd.	RF-190		
				Inalways Corporation	0724		
				Kunshan Dlk Electronics Technology Co., Ltd	CDJ-2		
				Zhejiang LECI Electronics Co., Ltd.	DB-14	10A, 250Vac Standard sheet: C14	
				Rich Bay Co., Ltd.	R-301SN		
				Sun Fair Electric Wire & Cable (HK)Co. Ltd.	S-03		
				TECX-UNIONS Technology Corporation	TU-301-S TU-301-SP		
				Rong Feng Industrial Co., Ltd.	SS-120		
				Inalways Corporation	0711 series		
				Zhejiang LECI Electronics Co., Ltd.	DB-8	2.5A, 250Vac Standard sheet: C8	
				Rich Bay Co., Ltd.	R-201SN90		
				Sun Fair Electric Wire & Cable (HK)Co. Ltd.	S-01		
				TECX-UNIONS Technology Corporation	SO-222 series		
				Rong Feng Industrial Co., Ltd.	RF-180		
				Inalways Corporation	0721 series		
				Kunshan Dlk Electronics Technology Co., Ltd	CDJ-8		
				9		9	
QIFURUI ELECTRONICS CO	QFR-h	600V, 125°C					
DONGGUAN SALIPT CO LTD	SALIPT S-901-300 SALIPT S-901-600	Min. 300V, 125°C					
GUANGZHOU KAIHENG ENTERPRISE GROUP	K-2 (+) K-2 (CB)	Min. 300V, 125°C					
CHANGYUAN ELECTRONICS CO LTD	CB-HFT	Min. 300V, 125°C					
WOLIDA TRADING CO LTD	RSFR-H	600V, 125°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
9		10	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 LTD			
				HIP TAI ELECTRIC WIRE CO			
				KUNSHAN NEW ZHICHENG ELECTRONICS TECHNOLOGIES CO LTD			
				SHENG YU ENTERPRISE CO LTD			
				SUZHOU YEMAO ELECTRONIC CO LTD			
				SUZHOU HONGMENG ELECTRONIC CO LTD			
				ZHUANG SHAN CHUAN ELECTRICAL PRODUCTS (KUNSHAN) CO LTD			
				SUZHOU QCTECH CO LTD			
13		11	Varistor ⁵ (MOV1) (optional)	Panasonic Corporation	ERZV20D241 (V20241U)	Max continuous voltage: 150VAC	cURus
				Brightking Co., Ltd.	241KD20J		
				EPCOS	S20K150		
				Thinking Electronic Industrial Co., Ltd.	TVR20241K		
				Success Electronics Co., Ltd.	SVR20D241K		
14		12	Insulating sheet ⁵	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 only for GT-41134-0606-W2-TAB	cURus
				MIANYANG LONGHUA FILM CO LTD	PP-WT-20	VTM-0, min. 0.4 mm thickness, 65°C	
				SKC CO LTD	SH71S	VTM-2, min. 0.4 mm thickness, 105°C	
				TORAY INDUSTRIES INC	Lumirror H10	VTM-2, min. 0.4 mm thickness, 105°C	
				SABIC INNOVATIVE PLASTICS US L L C	FR60 series FR63 series FR65 series FR7 series FR700 series	V-0, min. 0.4 mm thickness, 130°C	
				MIANYANG LONGHUA FILM CO LTD	PP-BK series PP-WT series	V-0, min. 0.4 mm thickness, 80 °C	
				ITW ELECTRONICS COMPONENTS/ PRODUCTS (SHANGHAI) CO LTD	FORMEX-18 FORMEX-17	V-0, min. 0.4 mm thickness, 100°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
14		13	Output cord	Various	Various	Min. 24AWG, min. 300Vac, min. 80°C	cURus
15		14	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.
- 5) only for GT-41134-0606-W2-TAB

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 - Refer to illustration No(s) 2a-2b 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 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. All internal wiring is contained in the recognized subassembly.
8. Schematics - Refer to Illustration No(s). 3a-3b, 4a-4d 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. 5 for details.
10. Cautionary Markings - Refer to illustrations No. 5 for details.
11. 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 1 - Model list

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 2 - Insulation diagram

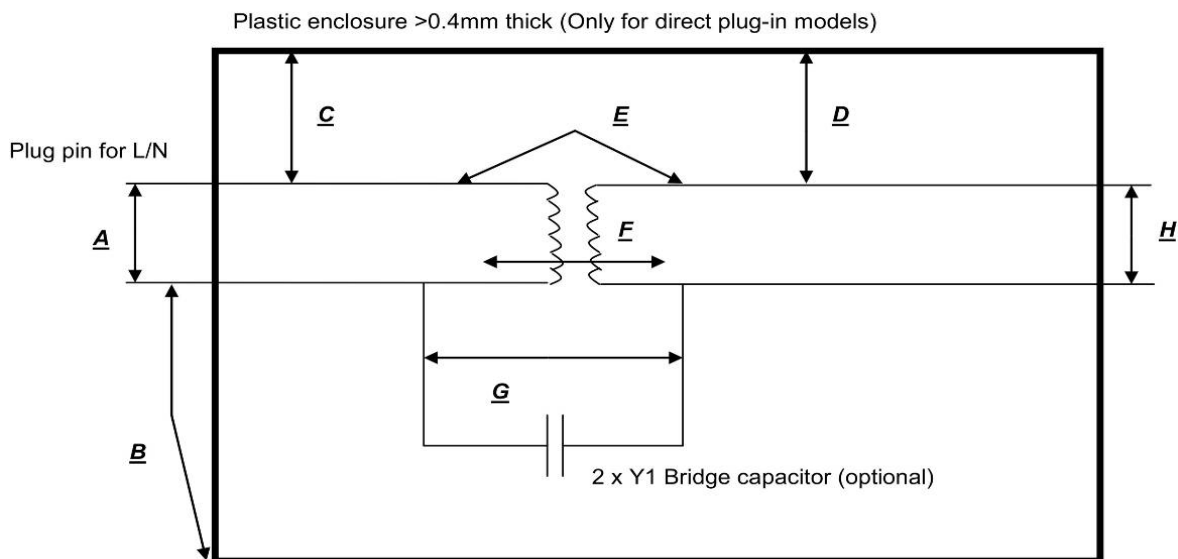
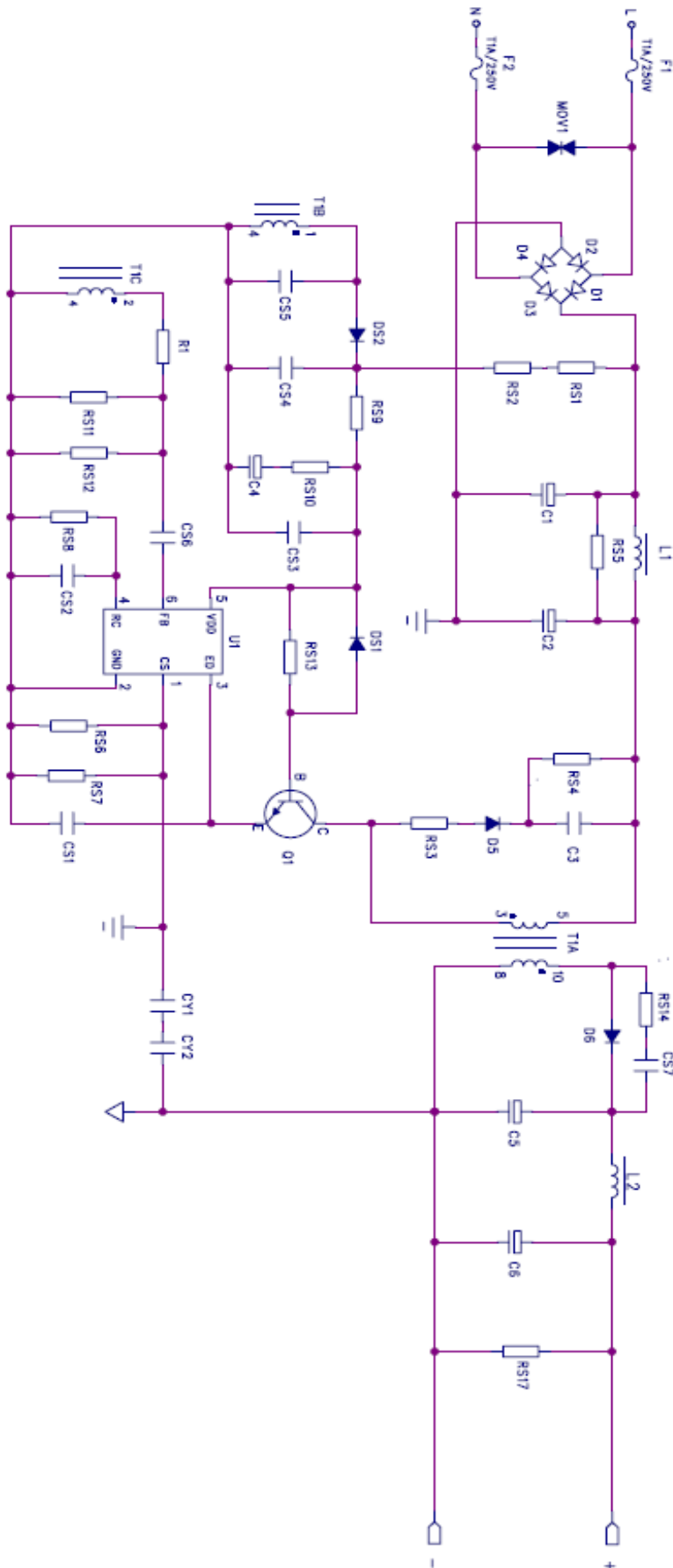


TABLE: Insulation diagram (measured values)										P
Pollution degree		2								---
Overvoltage category		II								---
Altitude		5000m, use multiple factor 1.29 for MOPP, multiple factor 1.48 for MOOP								---
Additional details on parts considered as applied parts		<input checked="" type="checkbox"/> None <input type="checkbox"/> Areas								---
Area	Number and type of Means of Protection: MOOP, MOPP	CTI (IIIb, unless is known)	Working voltage		Required creepage (mm)	Required clearance (mm)	Measured creepage (mm)	Measured clearance (mm)	Remarks	
			Vrms	Vpt						
A	MOOP	IIIb	240		2.4	3.0	3.1**	3.1**	Mains opposite polarity	
B	2MOPP	IIIb	240		8	6.5	10.4	10.4	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	250*		8	6.5	8.1	8.1	Mains to secondary on PCB	
F	2MOPP	IIIb	250*		-	-	-	-	Mains to secondary on transformer, approved TIW used	
G	2MOPP	IIIb	250*		8	6.5	8.2	8.2	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)	

7.0 Illustrations

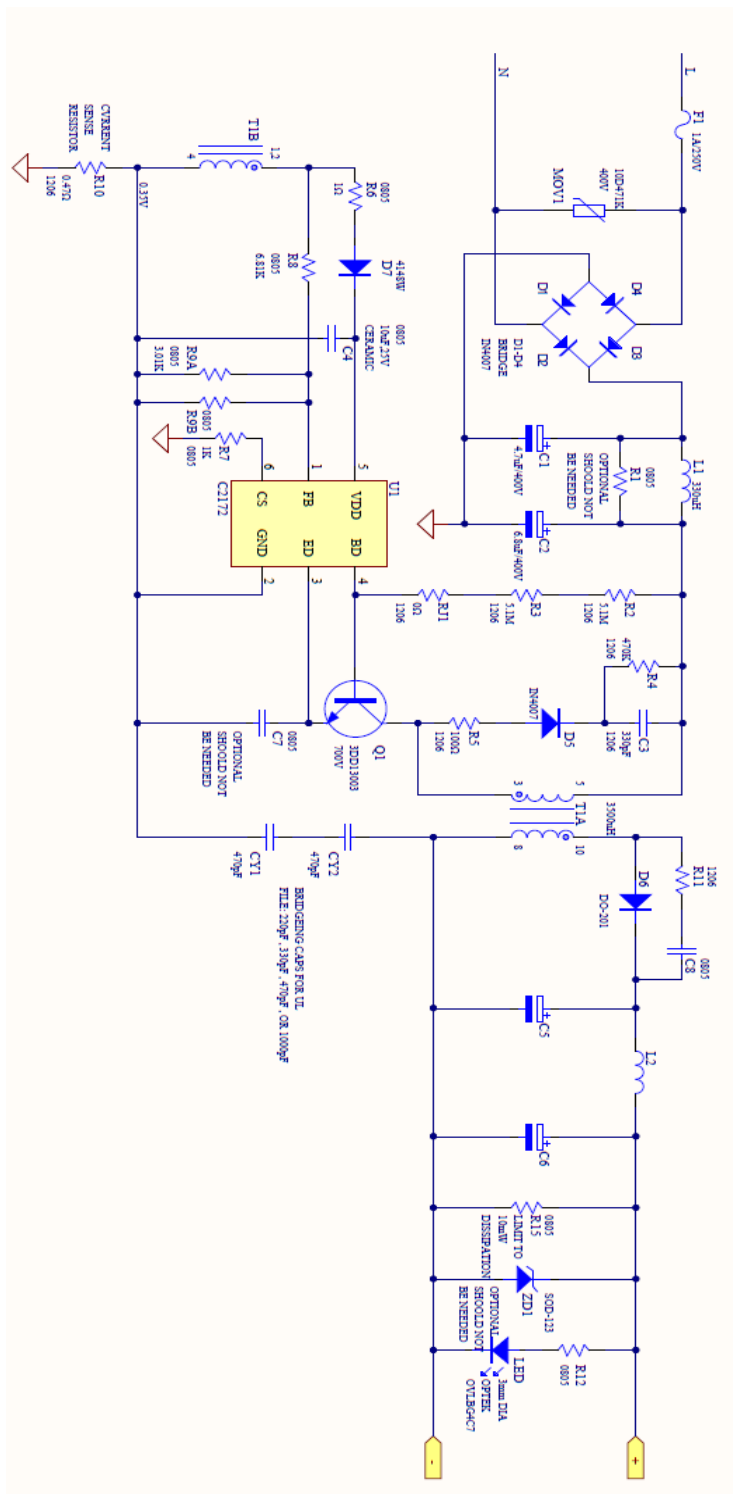
Illustration 3a - CIRCUIT DIAGRAM
First, Second and Third structure



7.0 Illustrations

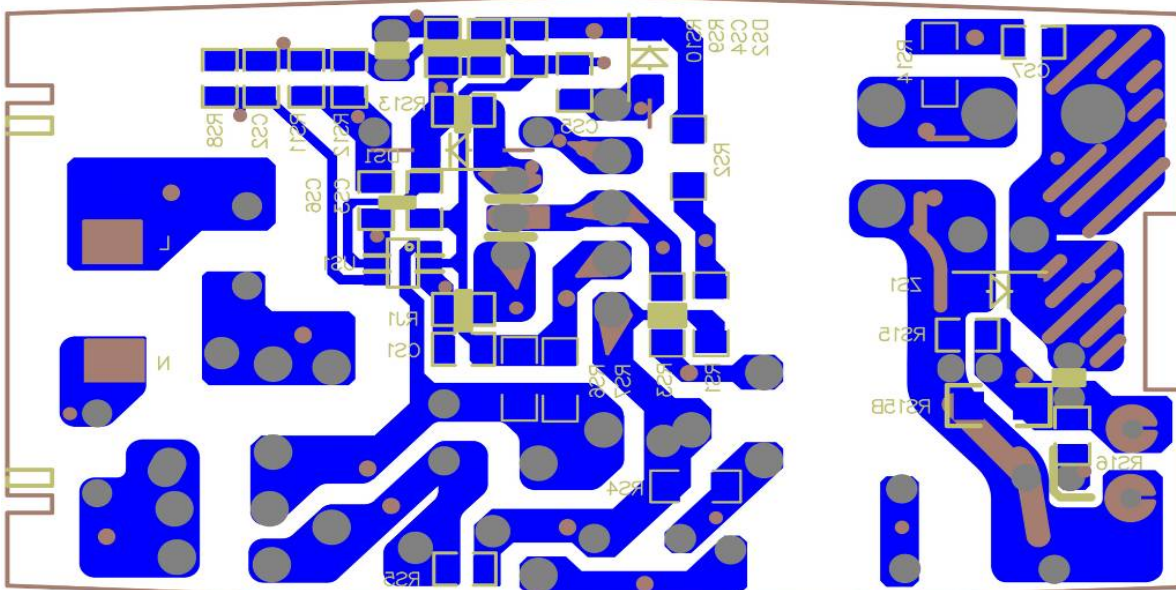
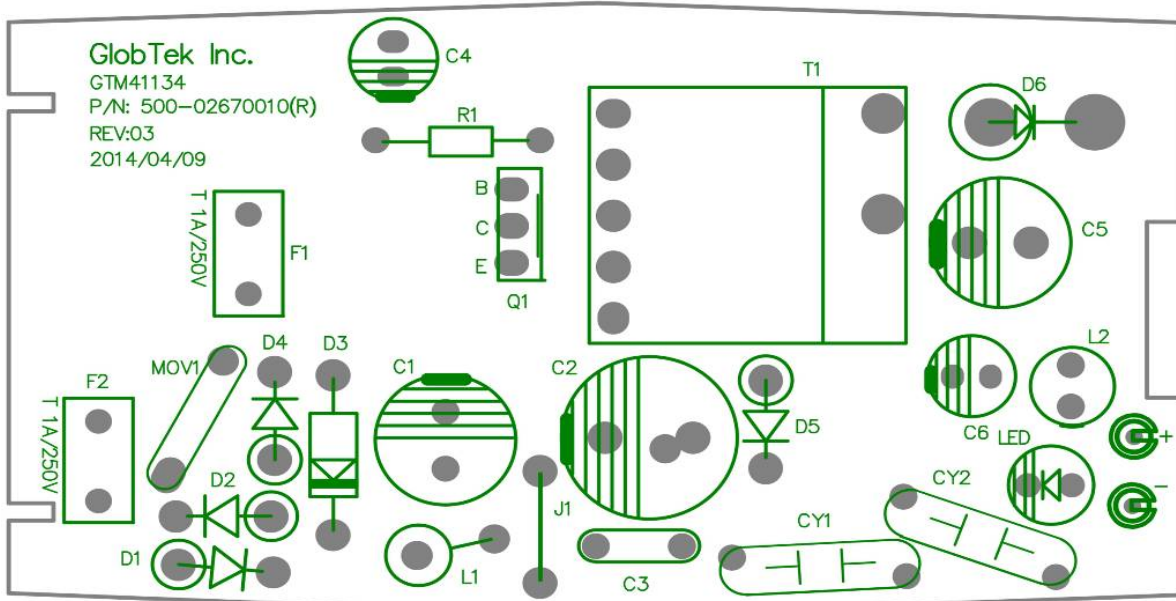
Illustration 3b - CIRCUIT DIAGRAM

Fourth structure



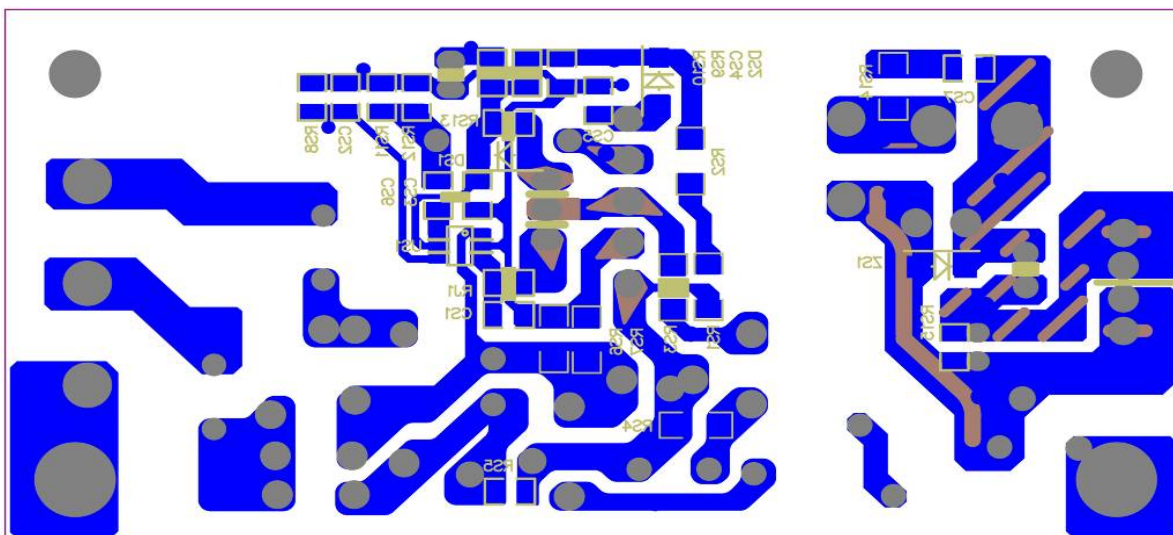
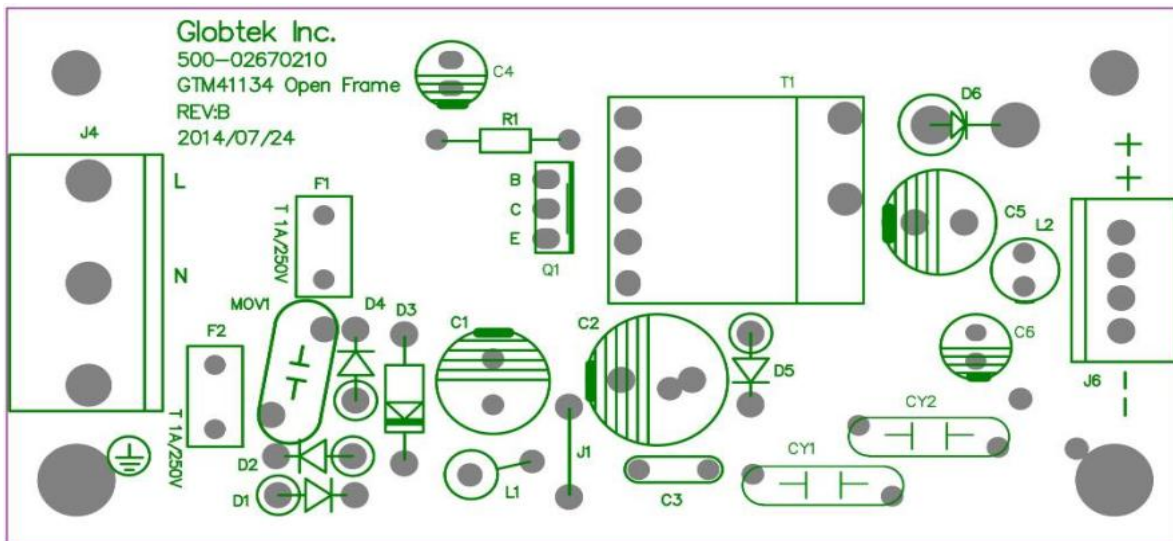
7.0 Illustrations

Illustration 4a - PCB LAYOUT FOR ADAPTER MODEL GT*41134*** (FIRST STRUCTURE)**



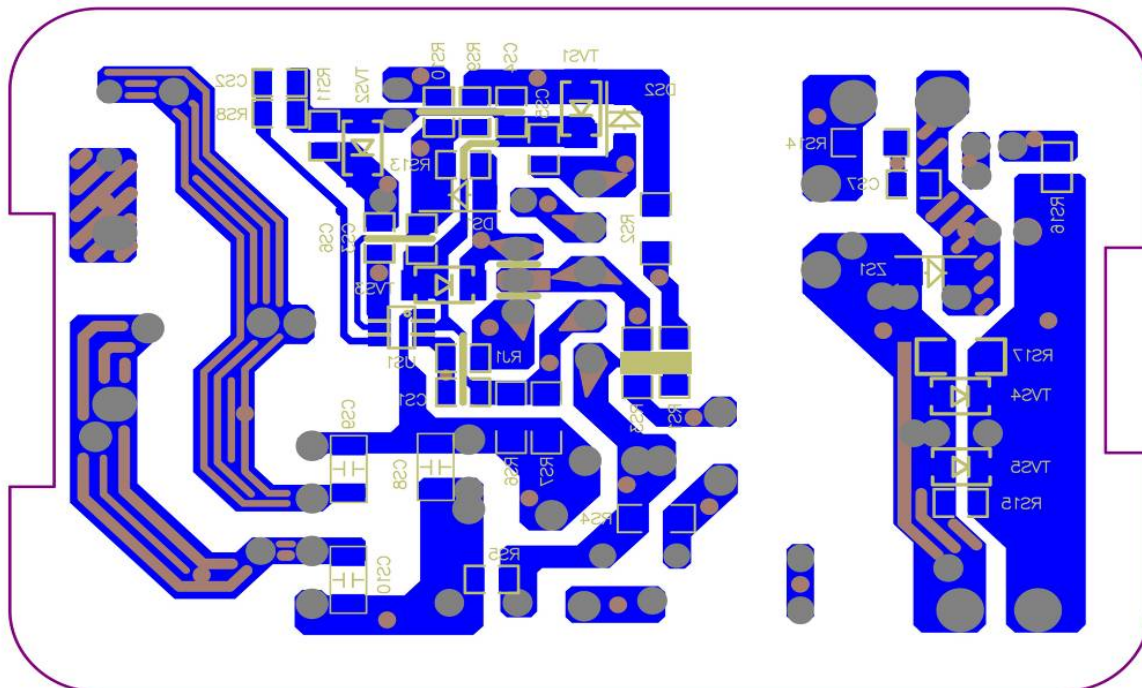
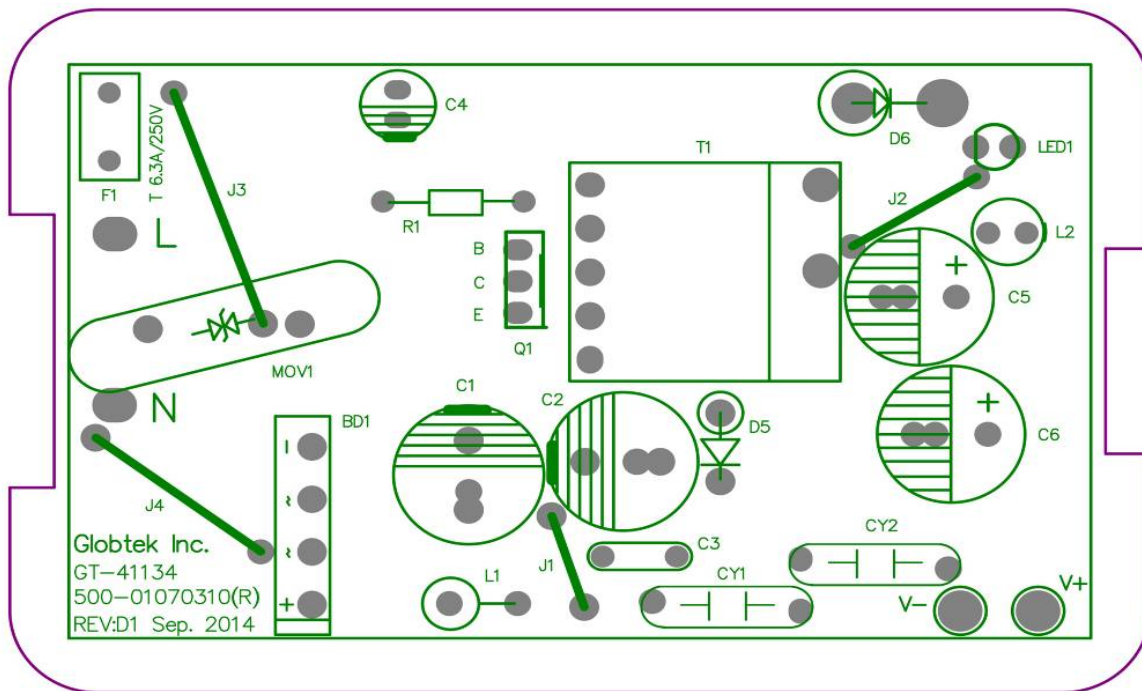
7.0 Illustrations

Illustration 4b - PCB LAYOUT FOR OPEN FRAME MODEL(Second structure)



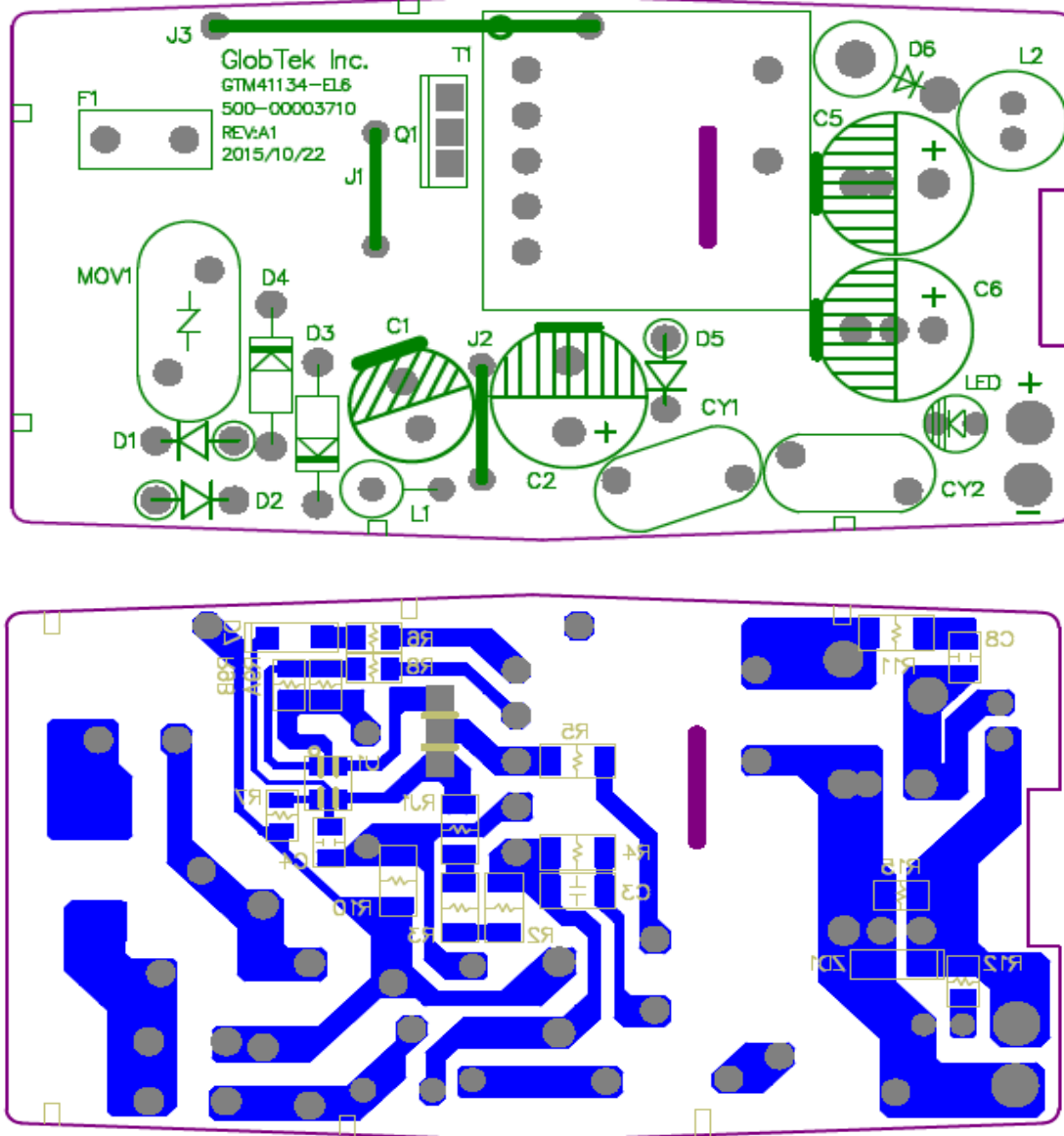
7.0 Illustrations

Illustration 4c - PCB LAYOUT for model GT-41134-0606-W2-TAB (Third structure)



7.0 Illustrations

Illustration 4d - PCB LAYOUT for model FOR GT*96060*** MODEL (Fourth structure)**

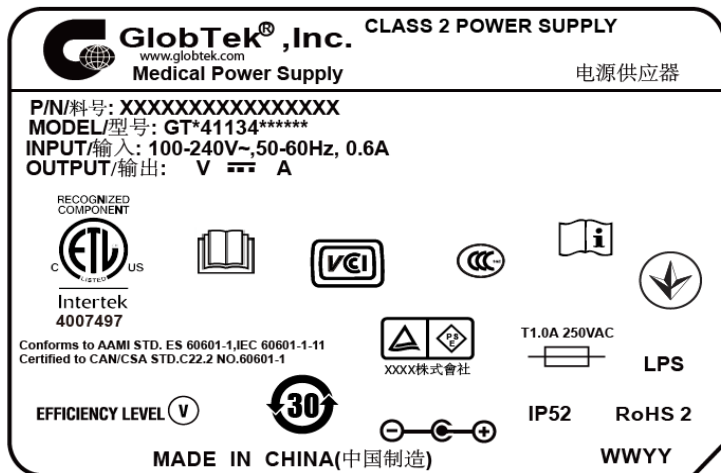


7.0 Illustrations

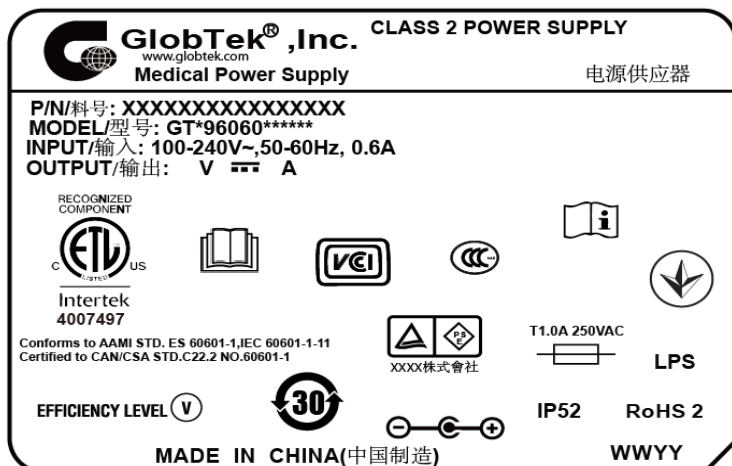
Illustration 5 - Marking

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

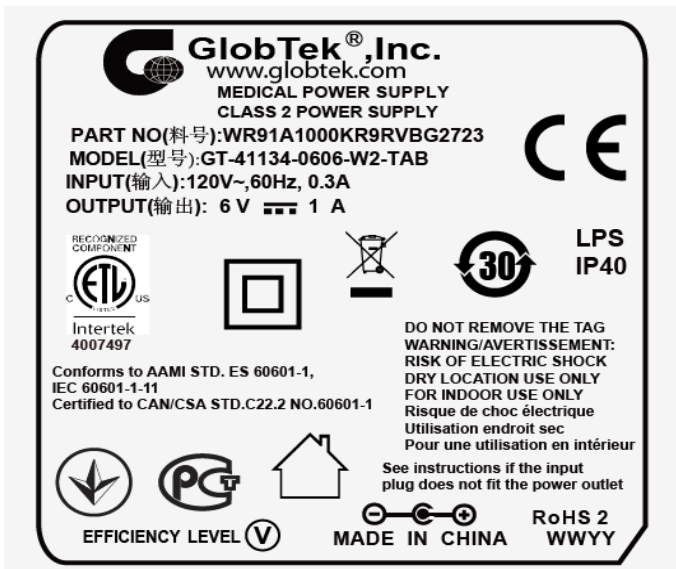
GT*41134*****



GT*96060*****



GT-41134-0606-W2-TAB



8.0 Test Summary			
Evaluation Period	2015-12-01~2015-12-25		Project No. 151100934SHA
Sample Rec. Date	25-Dec-2015	Condition Prototype	Sample ID. 015021-56-006
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:

Test Description	Clause
	AAMI ES60601-1 Issued: 2012/08/20 Medical Electrical Equipment - Part 1: General Requirements for Basic Safety and Essential Performance, Amendment 1
	CAN/CSA-C22.2 No.60601-1:14, Third Edition Issued: 2014/03/01 - Medical Electrical Equipment - Part 1: General Requirements for Basic Safety and Essential Performance
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
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
Excessive Temperature	11.1
Single Fault Conditions	13.2
Push Test	15.3.2
Impact Test	15.3.3
Drop Test	15.3.4
Mold Stress Relief	15.3.6
Transformer Short-Circuit	15.5.1.2
Transformer Overload	15.5.1.3
Transformer Dielectric Strength	15.5.2

Test Description	Clause
	IEC 60601-1-11 Issued: 2015/01/20 Ed. 2 Medical Elec. Equip.- Part 1-11: Gen. Req. for Basic Safety & Essential Perf.- Collateral Standard - Req. for Medical Elec. Equip. & Medical Elec. Systems Used in the Home Healthcare Environment
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)

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:	Skot Shi	Reviewed by:	Justin Yu
Title:	Project engineer	Title:	Reviewer
Signature:	<i>Skot Shi</i>	Signature:	<i>Justin Yu</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	Medical 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

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	4000Vac	60 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
				None