

Medical Power Supply, GT*86100-**-W2* Series

Tested under

CAN/CSA C22.2 NO. 60601-1:14 + A2:22 (R2022) / AAMI ES60601-1:2005 (R2012) + A1:2012 + A2:2021, Edition 3.2: Medical Electrical Equipment - Part 1: General Requirements for Basic Safety and Essential Performance

CAN/CSA-C22.2 NO. 60601-1-6:11 + A1:2015 + A2:2021 (R2021) / IEC 60601-1-6:2010 + A1:2013 + A2:2020, Edition 3.2: Medical Electrical Equipment – Part 1-6: General Requirements for Basic Safety and Essential Performance – Collateral Standard: Usability

ANSI/AAMI HA 60601-1-11:15 + A1:2021 / CAN/CSA C22.2 NO. 60601-1-11:15 (R2020) + A1:21, Edition 2.1: 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

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MET Report: 140341

Approved: June 23, 2026

Applicant:

GlobTek, Inc.
186 Veterans Dr. Northvale,
NJ 07647,
USA

Prepared By:

Eurofins Electrical Testing Service (Shanghai) Co., Ltd.
Building 18, No. 2168 Chenhang Highway,
Minhang District, Shanghai,
China

For:

Eurofins Electrical and Electronic Testing North America, LLC
914 West Patapsco Avenue
Baltimore, Maryland 21230-3432
(410) 354-3300

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Change Record

Change Number	Description	Approval Date	Project Number	Amendment Engineer & Initial	Reviewer & Initials
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Description

Product(s) Covered:

Medical Power Supply: GT*86100-**-W2*

The 1st "*" part can be 'M' or '-' or 'H' for market identification and not related to safety.

The 2nd "*" denotes the rated output wattage designation, which can be "01" to "10", "01" means 1W, "10" means 10W, with interval of 1W.

The 3rd "*" denotes the rated output voltage designation, which can be "5.0" "5.1", "5.2" or "05" "05.1" "05.2", "5.0" and "05" means 5.0V, "5.1" and "05.1" means 5.1V, "5.2" and "05.2" means 5.2V.

The 4th "*" can be "-USB" or "-USBC" or "-USB2C" or blank, -USB denote the power supplies use USB port, -USBC denote the power supplies use USB type C port, -USB2C denote the power supplies use two USB type C ports, when it is blank, denote the power supplies use DC output wires.

Product Description:

- The Medical Power Supply is class II construction equipment, which is designed to supply power for Audio/video, information and communication technology equipment, for indoor use only.
- Operating Temperature: 0°C to 40° C.
- Storage Temperature: -20°C to 60° C.

Model Differences:

GT*86100-**-W2*

The 1st "*" part can be 'M' or '-' or 'H' for market identification and not related to safety.

The 2nd "*" denotes the rated output wattage designation, which can be "01" to "10", "01" means 1W, "10" means 10W, with interval of 1W.

The 3rd "*" denotes the rated output voltage designation, which can be "5.0" "5.1", "5.2" or "05" "05.1" "05.2", "5.0" and "05" means 5.0V, "5.1" and "05.1" means 5.1V, "5.2" and "05.2" means 5.2V.

The 4th "*" can be "-USB" or "-USBC" or "-USB2C" or blank, -USB denote the power supplies use USB port, -USBC denote the power supplies use USB type C port, -USB2C denote the power supplies use two USB type C ports, when it is blank, denote the power supplies use DC output wires.

Description (Continued)

Product details are shown in the table below:

Model	PCB layout	Transformer type	Output type	Output current	Output power
GT*86100-**-W2*-USB		90E10PFX0-xxxx	USB port	Max.2A	Max.10W
GT*86100-**-W2*		90E10PF02-xxxx	DC output wires		
GT*86100-**-W2*-USBC/USB2C		90E102PFA-xxxx	one USB type C port (USBC) or two USB type C ports (USB2C)		

Electrical Rating:

Input: 100-240V ~ , 50-60Hz or 50/60Hz, 0.3A

Output: 5-5.2V $\overline{\text{---}}$, Max. 2A, Max. 10W

Engineering Considerations (Not For Field Representative's Use):

- The Medical power supplies have been investigated in accordance with the following standards:
CAN/CSA C22.2 NO. 60601-1:14 + A2:22 (R2022) / AAMI ES60601-1:2005 (R2012) + A1:2012 + A2:2021, Edition 3.2: Medical Electrical Equipment - Part 1: General Requirements for Basic Safety and Essential Performance;
CAN/CSA-C22.2 NO. 60601-1-6:11 + A1:2015 + A2:2021 (R2021) / IEC 60601-1-6:2010 + A1:2013 + A2:2020, Edition 3.2: Medical Electrical Equipment – Part 1-6: General Requirements for Basic Safety and Essential Performance – Collateral Standard: Usability;
ANSI/AAMI HA 60601-1-11:15 + A1:2021 / CAN/CSA C22.2 NO. 60601-1-11:15 (R2020) + A1:21, Edition 2.1: 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.

Description (Continued)

- This product must be installed in accordance with all codes applicable to the location of the installation and in accordance with its instructions for use.
- Following essential performance(s), except those called out by particular standards, has been investigated and tested: None, which is documented in RMF N/A, along with test protocol N/A.
- Following applied part has been investigated in accordance with standards on the title page, including those identified by clause 4.6 of 60601-1 and documented in RMF: None.
- Following compartment of (or entire) the product has been investigated in accordance with standards on the title page for being used in Oxygen rich environment: None.
- Following supporting parts of the product has been investigated in accordance with standards on the title page: None with safety working load N/A kg and safety factor N/A.
- Following compartment of (or entire) the product has been investigated in accordance with standards on the title page for being used with flammable anesthetics: None.
- The insulation of plug was evaluated on compliance with two means of operator protection (2MOOP). The insulation system of the main equipment was evaluated on compliance with two means of patient protection (2MOPP).
- The product has been evaluated for a maximum ambient temperature of 40°C.
- The product is neither classified as Category AP nor APG.
- The product has been evaluated for use in a Pollution Degree 2 and overvoltage category II environment and a maximum altitude of 5000 m.
- The product is intended for indoor use only.
- For open frame model, temperature rise, leakage current-and mechanical strength shall be reevaluated on this component when installed in the end product.
- The following clauses are not evaluated in this report:
Clause 11.7 Biocompatibility, referencing ISO 10993
Clause 17 EMC, referencing IEC 60601-1-2
- EUT is SMPS only, Basic safety is evaluated, no Essential Performance specified in manufacturer's RMF and the standards. Essential Performance is to be evaluated in end-product.

Description (Continued)

Note to Field Representative:

- A sample of each component listed below and a purchase order for the work described below at the current hourly rate shall be submitted to:*

Eurofins E&E NA, LLC
914 West Patapsco Avenue
Baltimore, Maryland 21230-3432

for reassessment processed under job #142293 for verification of construction against the associated drawings also listed below. The component(s) shall be subjected to an annual audit for continued compliance. The annual re-verification is a client incurred expense to be assessed at the current hourly rate at the time of the test. The estimated time for re-verification is also listed below.

Figure/ Item #	Component	Controlled Document Number	Re-Verification Type	Re-verification Maximum Estimated time (hours)
35-45/9	Transformer	90E10PFX0-xxxx ("xxxx" to denote the part number, can be any alphanumeric character for marketing purposes only)	Dimension - See Illustration 4, and Electric strength test	2
19-30/10	Transformer	90E10PF02-xxxx ("xxxx" to denote the part number, can be any alphanumeric character for marketing purposes only)	Dimension - See Illustration 3, and Electric strength test	2
5-15/11	Transformer	90E102PFA-xxxx ("xxxx" to denote the part number, can be any alphanumeric character for marketing purposes only)	Dimension - See Illustration 5, and Electric strength test	2

*Alternatively: If the evaluation is performed by the Eurofins E&E NA representative's lab other than the location above or by the MET representative during the Follow-up inspection, all data shall be returned to the Baltimore office listed above for surveillance tracking under the assigned job number mentioned above.

- The above inspections are a client incurred cost and will be billed at the hourly rate in place at the time of the inspection.

General Requirements

Scope of Requirements: The requirements contained within this section apply to all products contained within this Follow-Up Service Report File where applicable.

Definitions: *(as defined or used in the context of the standard)*

Term	Definitions
PCB:	Printed Circuit Board
Listed/Recognized Component:	A component evaluated to the applicable U.S. standards by a Nationally Recognized Testing Laboratory (NRTL).
Certified Component:	A component evaluated to the applicable Canadian standards by a Certification Organization (CO).
Listee:	Applicant

Measurements: All dimensions indicated in the body of this report are approximations unless otherwise indicated.

Corrosion Protection: All corrosive metals shall be provided with a means to protect from corrosion. Acceptable methods include painting, plating and galvanizing, or equivalent process. Dissimilar metals shall not be employed where reliable continuity is required.

Soldered Connections: All soldered connections shall be made mechanically secure before soldering. Tack soldering is not acceptable. Acceptable forms of mechanical securement include:

- A) Lead is inserted through an eyelet or opening of a terminal block prior to soldering.
- B) Lead is inserted into a U or V shaped slot in the terminal prior to soldering.
- C) Lead is wrapped around a terminal post prior to soldering.
- D) Lead is tied to adjacent lead with wire tie-wrap near termination point.

Electrical Connections: All electrical connections other than soldering shall be provided with positive detent, crimp type insulated Recognized Component connectors suitable for the voltage and temperatures involved. They shall be sized for the wire and mounting terminations. Where hazardous voltage or energy is involved, all wire connections to connectors shall employ a recognized method of double securement. Where fork-type lugs are used, they shall be snap-on or up-turned lug type.

Mechanical Assembly: All parts shall be secured by welding, bolts/nuts with lock or star washers, or thread forming screws.

Creepage and Clearances: See isolation diagram and table in illustration number x.

General Requirements (Continued)

Where present, the following items are required.

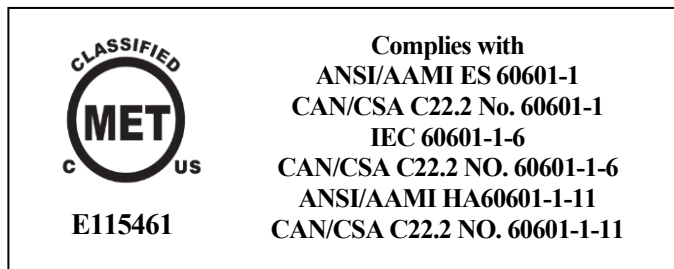
Internal Wiring: All internal wiring and connections are properly jacketed or enclosed within the equipment. Wiring is routed and secured to reduce the possibility of stress being transmitted to electrical connections, as necessary. All internal conductors in the secondary circuits are routed away from primary circuit conductors and from uninsulated live parts. There is no internal wiring subject to contact by the user when the product is employed as intended. The internal wiring is acceptable for conditions of service to which it will be subjected. Internal conductors consist of Recognized Component AWM insulated individual conductors; sized in accordance with the National Electric code and Canadian Electrical code, as may be applicable for the current expected in the conductor, rated VW-1, 300V, 105°C, and signal level ribbon wiring of flammability rating VW-1.

Interconnecting Cords and Cables: Flexible telecommunication cord and cable assemblies employed for interconnection between components are to be rated for and comply with temperatures, exposure to oil or grease and other conditions of service within the environment the product is to be utilized.

Markings

Etching, molding, die-stamping, silk-screening, stamped-, or etched-metal labels secured by rivets or screws are considered permanent. Recognized/Certified Component, Marking and Labeling Systems, and/or labels tested and deemed suitable for the surface to which it is applied is also considered permanent. Per the Canadian Electrical Code described in CSA C22.2 No. 0 General Requirements, Canadian product certification requires warning/cautionary markings in both English and French languages. It is the Applicant's responsibility to provide the listed Bilingual Markings shown below in accordance with the Canadian regulatory requirements. Each product is to be permanently marked with the following information:

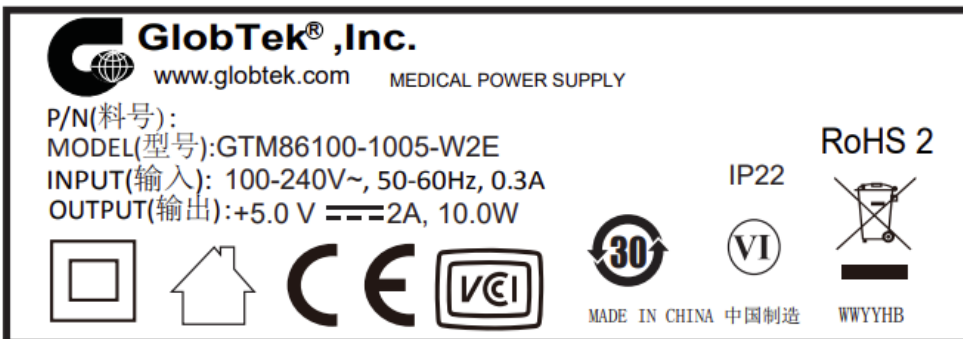
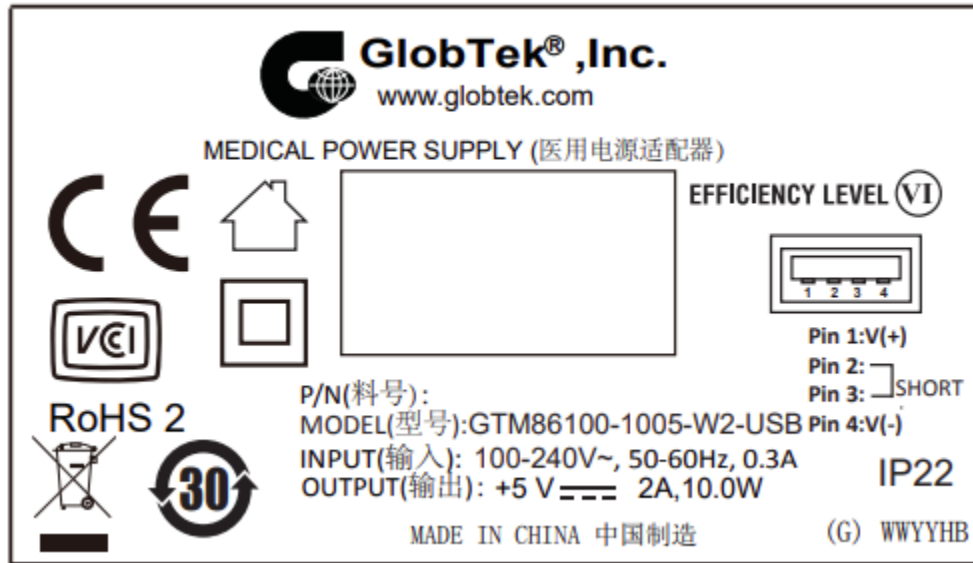
- a. The MET Mark (refer to MET Applicant Contract), with the applicant/listee name or alternate listee name as identified within this report, trade name or trademark, product model number, and a date of manufacture or serial number.
- b. Method of applying the MET Mark:
 - ☒ Direct Imprinting
 - ☐ Purchasing Labels from Eurofins E&E NA, LLC
 Approved MET Mark:



- c. A rating label adjacent to the inlet connector identifying the input voltage, current or power, frequency if applicable, replaceable fuse ratings if applicable (including voltage, current, interrupt capacity, rupturing speed) for the equipment.
- d. Near each terminal and control, there shall be a marking to identify the function.

Markings (Continued)

(Representative)



Note:

1. Markings of other models are similar as above except model name and ratings.

2. Symbols  and  for models with enclosure

3. 'YY' in SN represents manufacturing year; 'WW' in SN represents manufacturing week;

4. 'MADE IN CHINA/Китай Производство/中国制造/中國製造' is changed to 'MADE IN USA' when produced in USA.

Manual/Service Instructions

- Operations and Service instructions are provided with the equipment. Doc name: GT*86100 series
User manual Revision: A.0
See illustrations 1-2.

Alternate Listee Information

Alternate listees and product names or model numbers: None

Applicant's Responsibilities

Product Modifications:

Minor product modifications by the manufacturer may be allowed using the following guidelines:

1. Components identified in this report as "Listed, Recognized, or Certified" and **NOT** identified with a manufacturer name or part number may be exchanged with an alternate "Listed, Recognized, or Certified" component of equivalent value.

Example: Appliance Inlet Connector - Listed/Certified Component, IEC 320 style male connector, rated 250 volts and 20 amperes. Mechanically secured to the front panel with screws and locking washers.

- This inlet connector may be replaced with any Listed/Certified inlet connector with the same ratings as stated and where mechanical securement is maintained.

2. Components identified by a manufacturer name, part number, or with specific comments, (such as AC only, indoor use only, approved for use in this product only), may **NOT** be replaced or modified without prior approval from Eurofins E&E NA, LLC.

Example: Circuit Breaker - Recognized/Certified Component, ABCD Co. P/N XYZ123, rated 250 volts maximum, 50/60 Hz, 25 full-load amperes, 31.3 trip amperes. Toggle handle marked with IEC on/off symbols. Mechanically secured to the front panel with screws and locking washers.

- This circuit breaker can **NOT** be modified or changed without prior approval by Eurofins E&E NA, LLC

Applicant's Responsibilities (Continued)

Project Amendments:

For any changes related to product construction, manufacturing locations, if the product is intended to be marketed/sold under an alternate name or model number than that originally listed, or any issues which would require notification or change in the status of this file, please complete the form and return to Eurofins E&E NA, LLC following the instructions provided on the form.

For your convenience a Project Amendment Request (PAR) form is available for download at <http://corp.metlabs.com/safetyreq/>. Alternatively, please provide it to your local Eurofins office or Eurofins Partner Representative.

If you are terminating or temporarily suspending production of this product for an extended period, please send a letter on company letterhead to:

Eurofins E&E NA, LLC
Attn: Follow Up Services Department
914 West Patapsco Avenue
Baltimore, Maryland 21230
USA

Applicant's Responsibilities (Continued)

Manufacturing and Production-Line Tests and Documentation performed by Manufacturer.

All certified products are required to be subjected to production line testing as indicated below:

Dielectric Voltage-Withstand Test:

Each complete end product shall be capable of withstanding, without electrical breakdown, the application of a continuous sinusoidal or direct current voltage between uninsulated live parts and accessible dead metal parts that are likely to become energized in accordance with the following method.

Circuit Rating	Component Tested	Circuit Tested	Voltage (VAC)	Voltage (VDC)	Time (sec)
100-240 V	Main unit	Mains (L/N) to plug surface	2700	--	1
100-240 V	Main unit	Mains (L/N) to equipment surface	3600	--	1
100-240 V	Main unit	Mains (L/N) to output	3600	--	1

Documentation:

The manufacturer is required to record the production line test results. The data recorded is to include the type of test, date of test, serial number of the product, indications of pass, fail, or retest, test equipment utilized, calibration date of test equipment utilized, and the initials or signature of the test technician. Test records shall be required to be maintained from factory follow-up audit to factory follow-up audit and must be available for the inspectors' review. Records may be in the form of travelers, logs, computer files, or other such suitable documentation method.

Critical Components

Figure /item No.	Object/ Parts No.	Manufacturer / Trademark	Type/ Model	Technical Data	Standard (Edition / year)	Mark(s) of Conformity	Secured Method
1/1	Plastic enclosure (all parts)	SABIC JAPAN L L C	N1250 (f1)	PPE+PS, V-0, 105°C, Min. thickness 1.5mm	UL 94 UL 746C	UL E207780	Complete enclosure is fixed by ultrasonic welding.
	(Alternative)	Covestro Deutschland AG [PC Resins].	FR6005 + (z)	PC, V-0, 105°C, Min. thickness 1.5mm	UL 94 UL 746C	UL E41613	
	(Alternative)	Dongguan Honour E P Ltd.	H2218	PC, V-0,115°C. min. thickness: 1.5mm	UL 94 UL 746C	UL E341783	
	(Alternative)	LG Chem (Guangzhou) Engineering Plastics Co Ltd	LUPOY EF-1006F(m)(f1), LUPOY EF-1006F(m)(f2)	PC, V-0,115°C. min. thickness: 1.5mm	UL 94 UL 746C	UL E248280	
	(Alternative)	SABIC JAPAN L L C	925(GG), 945(GG)	PC, V-0, 115°C. min. thickness 1.5mm	UL 94 UL 746C	UL E207780	
	(Alternative)	SABIC INNOVATIVE PLASTICS B V	915R(GG), 945(GG)	PC, V-0, 115°C. min. thickness 1.5mm	UL 94 UL 746C	UL E45329	
-	Description	Enclosure: GTM86100-1005-W2-USB2C: 36.0mm (W) by 54.0.0mm (D) by 22.0mm (H) GTM86100-1005.2-W2-USB2C: 36.0mm (W) by 54.0.0mm (D) by 22.0mm (H) GTM86100-1005-W2: 22.0mm (W) by 67.5mm (D) by 39.0mm (H) GTM86100-1005.2-W2-USB: 36.0mm (W) by 51.0.0mm (D) by 22.0mm (H)					
1/2	PCB	Chian You Co., Ltd	02V0-1, 03V0, 12V0	V-0, 130°C	UL 94 UL 746C	UL E112804	Complete enclosure is fixed by ultrasonic welding
	(Alternative)	WALEX ELECTRONIC (WU XI) CO LTD	T2, T2A, T2B, T4	V-0, 130°C	UL 94 UL 746C	UL E154355	
	(Alternative)	DONGGUAN HE TONG ELECTRONICS CO LTD	CEM1, 2V0 FR4	V-0, 130°C	UL 94 UL 746C	UL E243157	
	(Alternative)	Dafeng Arex Electronics Technology Co Ltd	02V0 ,04V0, 03V0	V-0, 130°C	UL 94 UL 746C	UL E186016	

Critical Components (Continued)

Figure /item No.	Object/ Parts No.	Manufacturer/ Trademark	Type/ Model	Technical Data	Standard (Edition / year)	Mark(s) of Conformity	Secured Method
	(Alternative)	DONG GUAN CITY XINXIONG ELECTRONICS CO LTD	XX-2	V-0, 130°C	UL 94 UL 746C	UL E302227	
	(Alternative)	Wing Shing Electronics Co.,Ltd.	YS-1B, YS-2A, YS-2C	V-0, 130°C	UL94, UL796	UL E190407	
	(Alternative)	Interchangeable	Interchangeable	V-1 or better, 130°C	UL 94 UL 746C	UL	
35/3	Resistor Fuse (RT1) (For model series. GT*86100-**-W2*-USB only)	Anhui Changsheng Electronics Co., Ltd	RXF21-2W	3.3ohm,2W	UL/CSA 62368-1	Tested with appliance	Soldered on PCB
	(Alternative)	Shenzhen Great Electronics Co. Ltd.	RXF	3.3ohm,2W	UL/CSA 62368-1	Tested with appliance	
	(Alternative)	Shenzhen Kayocota Electronics Co., Ltd	FRKNP	3.3ohm,2W	UL/CSA 62368-1	Tested with appliance	
5/4	Thermistor (RT1) (For model series. GT*86100-**-W2*-USBC/USB2 C only)	Thinking Electronic Industrial Co,Ltd	SCK-2R55A, SCK-105, SCK-053, SCK-083	Min.1.0A,2.5ohm-10ohm, at 25°C,240Vac	EN 60730-1 EN 60539-1 UL 1434	TUV R50050155 UL E138827	Soldered on PCB
	(Alternative)	Nanjing Shiheng Electronics Co Ltd	MF72-5D9 MF2-8D9 MF2-10D9 MF2-3D9	Min.1.0A, 2.5-10Ω at 25°C, 240Vac	EN 60539-1 UL 1434	TUV R50245892 UL E241319	
5/5	Fuse (F1)	XC ELECTRONICS (SHENZHEN) CORP LTD	4T	T1A or 2A or 3.15A, 250V	IEC/EN 60127-1 IEC/EN 60127-3 UL 248-1	VDE 40029295 UL E249609	Soldered on PCB

Critical Components (Continued)

Figure /item No.	Object/ Parts No.	Manufacturer/ Trademark	Type/ Model	Technical Data	Standard (Edition / year)	Mark(s) of Conformity	Secured Method
--	(Alternative)	DONGGUAN BETTER ELECTRONICS TECHNOLOGY CO LTD	334	T1A or 2A or 3.15A, 250V	IEC/EN 60127-1 IEC/EN 60127-3 UL 248-1	VDE 40025428 UL E300003	--
	(Alternative)	LITTELFUSE INC	392 +	T1A or 2A or 3.15A, 250V	UL 248-1	UL E67006	
	(Alternative)	Cooper Bussmann LLC	SS-5	T1A or 2A or 3.15A, 250V	IEC/EN 60127-1 IEC/EN 60127-3 UL 248-1	VDE 40015513 UL E19180	
	(Alternative)	Suzhou Walter Electronic	2010 series	T1A or 2A or 3.15A, 250V	IEC 60127-1 IEC 60127-3 UL 248-1	VDE 40018781 UL E220181	
	(Alternative)	Conquer Electronics Co., Ltd.	MST	T1A or 2A or 3.15A, 250V	IEC 60127-1 IEC 60127-3 UL 248-1	VDE 40017157 UL E82636	
	(Alternative)	Bel Fuse Ltd.	RST-Serie(s)	T1A or 2A or 3.15A, 250V	IEC 60127-1 IEC 60127-3 UL 248-1	VDE 40011144 UL E20624	
	(Alternative)	Conquer Electronics co., Ltd	PTU	T1A or 2A or 3.15A, 250V	IEC 60127-1 IEC 60127-3 UL 248-1	VDE 40001462 UL E82636	
	(Alternative)	XC Electronics (Shen Zhen) Corp. Ltd.	5TE	T1A or 2A or 3.15A, 250V	IEC 60127-1 IEC 60127-3 UL 248-1	VDE 40029550 UL E249609	
	(Alternative)	Xiamen SET Electronic Co., Ltd.	SPT478	T1A or 2A or 3.15A, 250V	IEC 60127-1 IEC 60127-3 UL 248-1	VDE 40049409 UL E345932	
	(Alternative)	Bel Fuse Ltd.	RSTA	T1A or 2A or 3.15A, 250V	IEC/EN 62368-1 IEC 60127-1 IEC 60127-3 UL 248-1	Tested with appliance VDE 40039089 UL E506667	

Critical Components (Continued)

Figure /item No.	Object/ Parts No.	Manufacturer/ Trademark	Type/ Model	Technical Data	Standard (Edition / year)	Mark(s) of Conformity	Secured Method
5/6	Y capacitor (CY1, CY2) (Optional) for Model: GT*86100 _**- W2- USB & GT*86100 _**- W2	TDK-EPC Corporation, Capacitors Group Circuit Devices Business Group	CD	Max. 2200pF, min. 250Vac, Y1 type,	IEC/EN 60384-14 UL 60384-14	VDE 40029780 UL E37861	Soldered on PCB
	(Alternative)	Success Electronics Co., Ltd.	SE	Max. 2200pF, min. 250Vac, Y1 type	IEC/EN 60384-14 UL 60384-14	VDE 40037211 UL E530176	
	(Alternative)	Success Electronics Co., Ltd.	SB	Max. 2200pF, min. 250Vac, Y1 type,	IEC/EN 60384-14 UL 60384-14	VDE 40037221 UL E530176	
	(Alternative)	Success Electronics Co., Ltd.	SF	Max. 2200pF, min. 250Vac, Y1 type,	IEC/EN 60384-14 UL 60384-14	VDE 40019457 UL E530176	
	(Alternative)	DONGGUAN EASY-GATHER ELECTRONIC CO LTD	DCF	Max. 2200pF, min. 250Vac, Y1 type	IEC/EN 60384-14 UL 60384-14	VDE 40022942 UL E252221	
	(Alternative)	Yinan Don's Electronic Component Co	CT81	Max. 2200pF, min. 250Vac, Y1 type	IEC/EN 60384-14 UL 60384-14	VDE 135256 UL E145038	
	(Alternative)	South China Electronic Co., Ltd.	CY	Max. 2200pF, min. 250Vac, Y1 type	IEC/EN 60384-14 UL 60384-14	VDE 40045823 UL E492769	
	(Alternative)	Dongguna city Jiankun Electronics Technology Co., Ltd.	JT series	Max.2200pF, Min. AC 250V, Y1 type.	IEC/EN 60384-14 UL 60384-14	VDE 40041534 UL E340699	
	(Alternative)	Guandong City Dafu Electronics Co., Ltd.	CT7 series	Max.2200pF, Min. AC 250V, Y1 type.	IEC/EN 60384-14 UL 60384-14	VDE 40041523 UL E465278	

Critical Components (Continued)

Figure /item No.	Object/ Parts No.	Manufacturer / Trademark	Type/ Model	Technical Data	Standard (Edition / year)	Mark(s) of Conformity	Secured Method
	(Alternative)	Murata Mfg. Co., Ltd.	KX	Max. 2200pF, min. 250Vac, Y1 type	IEC/EN 60384- 14 UL 60384- 14	VDE 40002831 UL E37921	--
	(Alternative)	Success Electronics Co., Ltd.	SE	Max. 2200pF, min. 250Vac, Y1 type	IEC/EN 60384- 14 UL 60384- 14	VDE 40037211 UL E114280	
	(Alternative)	Success Electronics Co., Ltd.	SB	Max. 2200pF, min. 250Vac, Y1 type	IEC/EN 60384- 14 UL 60384- 14	VDE 40037221 UL E114280	--
	(Alternative)	Success Electronics Co., Ltd.	SF	Max. 2200pF, min. 250Vac, Y1 type,	IEC/EN 60384- 14 UL 60384- 14	VDE40019457 UL E114280	
	(Alternative)	JYA-NAY Co., Ltd.	JN	Max. 2200pF, min. 250Vac, Y1 type	UL 60384- 14	UL E201384	
	(Alternative)	WELSON INDUSTRIAL CO LT D	WD	Max. 2200pF, min. 250Vac, Y1 type	IEC/EN 60384- 14 UL 60384- 14	VDE 40016157 UL E104572	
	(Alternative)	Jya-Nay Co Ltd	JN	Max. 2200pF, min. 250Vac, 25/125/21/C, Y1 type	IEC/EN 60384- 14 UL 60384- 14	TUV R50232059 UL E201384	
	(Alternative)	WINDAY ELECTRONI C (DONG GUAN) CO., LTD.	CD series	Max. 2200pF, min. 250Vac, 25/125/21/C, Y1 type	IEC/EN 60384- 14 UL 60384- 14	ENEC 40050259 UL E302125	--
5/7	Y capacitor (CY1) (Optional) for Model: GT*86100-**- W2- USBC/USB2 C	Guangdong Fenghua Advanced Technology Holding CO., LTD.	CT7 series	Max.680pF, Min.AC 250V, Y1 type.	IEC/EN 60384- 14 UL 60384- 14	VDE 40057874 UL E539139	Soldered on PCB

Critical Components (Continued)

Figure /item No.	Object/ Parts No.	Manufacturer / Trademark	Type/ Model	Technical Data	Standard (Edition / year)	Mark(s) of Conformity	Secured Method
--	(Alternative)	Xiamen Sino Faith Electronic Technology Co., Ltd.	HBV	Max.680pF, Min.AC 250V, Y1 type.	IEC/EN 60384- 14 UL 60384- 14	VDE 40046202 UL E328673	--
5/8	Varistor MOV1 (Optional) (For Model: GT*86100-**- W2- USBC/USB2 C &	Thinking Electronic Industrial Co Ltd	TVR14681 TVR10681 TVR14621 TVR10621	Min. 300Vac, min. 105°C, (tested by UL for min. 2.5KV /1.25KA combination pulse) Coating rated min. V-1.	IEC 61051-1 IEC 61051-2 UL1449	VDE 40021243 UL E314979	--
	(Alternative)	GUANGDON G JORDUN ELECTRONIC CO., LTD.	VCRR10D6 21K#	Max. Continuous voltage: 385Vac(rms), Min. 125°C, The coating is Min. V-0	IEC 61051-1 IEC 61051-2 UL1449	TUV-SUD B 119967 0002 UL E531647	
	(Alternative)	DONGGAUN JIAYI ELECTRONIC TECHNOLOGY CO., LTD.	JNR14D681 K	Min. 300Vac, min. 105°C, (tested by UL for min. 2.5KV /1.25KA combination pulse) Coating rated min. V-1.	IEC 61051-1 IEC 61051-2 UL1449	TUV B 049342 0018 UL E517636	
	(Alternative)	Hongzhi Enterprises Ltd.	HEL14D681 HEL10D681	Min. 300Vac, min. 105°C, (tested by UL for min. 2.5KV /1.25KA combination pulse) Coating rated min. V-1.	UL1449	UL E324904	
	(Alternative)	Dong Guan City Jiankun Electronics Technology Co. Ltd	14D681K, 14D621K 10D621K	Min. 300Vac, min. 105°C, (tested by UL for min. 2.5KV /1.25KA combination pulse) Coating rated min. V-1.	IEC 61051-1 IEC 61051-2 UL1449	VDE 40046024 UL E489693	

Critical Components (Continued)

Figure /item No.	Object/ Parts No.	Manufacturer / Trademark	Type/ Model	Technical Data	Standard (Edition / year)	Mark(s) of Conformity	Secured Method
	(Alternative)	Fujian Ruisheng Electronic Technology Co., Ltd."	RUSN10D681K, RUSN14D681K, RUSN10D621K	Min.300Vac, min. 125°C, (tested by UL for min. 2.5KV /1.25KA combination pulse) Coating rated min. V-1.	IEC 61051-1 IEC 61051-2 UL1449	TUV SUD No. B 126905 0001 UL E510022	--
	(Alternative)	Dongguan City Dafu Electronics Co. Ltd.	NDF10D621K NDF10D681K NDF14D621K NDF14D681K	Min.300Vac, min. 125°C, (tested by UL for min. 2.5KV /1.25KA combination pulse) Coating rated min. V-1	UL1449	UL E502211	--
	(Alternative)	Success Electronics Co., Ltd.	SVR10D681K SVR10D621K	Min.300Vac, min. 125°C, (tested by UL for min. 2.5KV /1.25KA combination pulse) Coating rated min. V-1.	IEC 61051-1 IEC 61051-2 UL1449	VDE 40030401 UL E502378	
	- (Alternative)	Dongguan Jingtian Electronics Co Ltd.	JTEN10D621K	Min.300Vac, min. 85°C, (tested by UL for min. 2.5KV /1.25KA combination pulse) Coating rated min. V-1.	IEC 61051-1 IEC 61051-2 UL1449	TUV No. B 122604 0001 UL E536795	
	- (Alternative)	Shantou High-New Technology Dev. Zone Songtian Enterprise Co., Ltd.	STE10D621K	Min.300Vac, min. 85°C, (tested by UL for min. 2.5KV /1.25KA combination pulse) Coating rated min. V-1.	UL/CSA 62368-1 IEC 61051-1 IEC 61051-2 UL1449	Tested with appliance VDE 40023049 UL E330837	

Critical Components (Continued)

Figure /item No.	Object/ Parts No.	Manufacturer/ Trademark	Type/ Model	Technical Data	Standard (Edition / year)	Mark(s) of Conformity	Secured Method
35-45/9	Transformer (T1) for Model: GT*86100-**- W2-USB only	GlobTek / BOAM / HAOPUWE I / Dee Van Enterprise Co., Ltd.	90E10PFX0- xxxx ("xxxx" to denote the part number, can be any alphanumeric character for marketing purposes only)	Class B	AAMI ES 60601-1, CSA C22.2 No. 60601-1	Tested with appliance	Soldered on PCB
19-30/10	Transformer (T1) for Model: GT*86100-**- W2 only	GlobTek / BOAM / HAOPUWE I / Dee Van Enterprise Co., Ltd.	90E10PF02- xxxx ("xxxx" to denote the part number, can be any alphanumeric character for marketing purposes only)	Class B	AAMI ES 60601-1, CSA C22.2 No. 60601-1	Tested with appliance	Soldered on PCB
5-15/11	Transformer (T1) for Model: GT*86100-**- W2-UEBC/USB2 C only	GlobTek / BOAM / HAOPUWE I / Dee Van Enterprise Co., Ltd.	90E102PFA-xxxx ("xxxx" to denote the part number, can be any alphanumeric character for marketing purposes only.)	Class B	AAMI ES 60601-1, CSA C22.2 No. 60601-1	Tested with appliance	Soldered on PCB
-/12	- Insulation system	DEE VAN ENTERPRISE CO LTD	YCI-130 CCP-130	Class B	UL 1446	UL E159480	Fixed in transformer

Critical Components (Continued)

Figure /item No.	Object/ Parts No.	Manufacturer/ Trademark	Type/ Model	Technical Data	Standard (Edition / year)	Mark(s) of Conformity	Secured Method
--	(Alternative)	GlobTek	GTX-130-TM	Class B	UL1446	UL E243347	--
	(Alternative)	Wuxi Haopuwei Electronics Co Ltd	ZT-130	Class B	UL1446	UL E315275	
	(Alternative)	Shan Dong Boam Electric Co Ltd	BOAM-01orB1	Class B	UL1446	UL E252329	
-13	-Bobbin	Resonac Techno Service Corporation	CP-J-8800	V-0, 150°C, thickness 0.45 mm min.	UL 94	UL E514814	Fixed in transformer
	(Alternative)	SUMITOMO BAKELITE CO LTD	PM-9820, PM-9630, PM-9825 PM-9823	Phenolic, V-0, 150 °C, min. 0.45 mm thickness	UL 94	UL E41429	
	(Alternative)	CHANG CHUN PLASTICS CO LTD	T375HF, T373J, T200HF, T200NA, T220NA	Phenolic, V-0, 150°C, min. 0.45 mm thickness	UL 94	UL E59481	
-14	- Magnet wire	Golden Ocean	UEW-X	130°C	UL 1446	UL E225143	Fixed in transformer
	(Alternative)	Da Yang	UEW	130°C	UL 1446	UL E176101	
	(Alternative)	Feng Ching	UEW	130°C	UL 1446	UL E172395	
	(Alternative)	TAI-I	UEW	130°C	UL 1446	UL E234896	
	(Alternative)	NINGBO JINTIAN NEW MATERIAL CO LTD	2UEW	155°C	UL 1446	UL E227047	
	(Alternative)	Interchangeable	Interchangeable	Min. 130°C, MW 28, MW 75, MW 79, MW 80, MW 82, MW 83	UL 1446	UL	
-15	-Triple-insulated wire (Secondary)	Furukawa Electric Co., Ltd.	TEX-E	Class B, reinforced insulation	IEC/EN 62368-1 UL 2353	VDE 006735 UL E206440	Fixed in transformer
	(Alternative)	SUZHOU YUSHENG ELECTRONIC CO LTD	TIW-B, TWE-3	Class B, reinforced insulation	IEC/EN 62368-1 UL 2353	VDE 40033527 UL E332529	

Critical Components (Continued)

Figure /item No.	Object/ Parts No.	Manufacturer/ Trademark	Type/ Model	Technical Data	Standard (Edition / year)	Mark(s) of Conformity	Secured Method
--	- (Alternative)	Dah Jin Technology Co Ltd	TLW-B	Class B	IEC/EN 62368-1 UL 2353	VDE 40008834 UL E236542	--
	- (Alternative)	COSMOLINK CO. Ltd.	TIW-M	Class B,	IEC/EN 62368-1 UL 2353	VDE 138053 UL E213764	
	- (Alternative)	YOUNG CHANG SILICONE CO LTD	STW-B	Class B,	IEC/EN 62368-1 UL 2353	VDE 40013359 UL E303298	
	- (Alternative)	Great Leoflon Industrial Co., Ltd.	TRW (B) Serie(s)	Class B,	IEC/EN 62368-1 UL 2353	VDE 136581 UL E211989	
	- (Alternative)	YOUNG CHANG SILICONE CO., LIMITED	STW-B	Class B,	IEC/EN 62368-1 UL 2353	VDE 40013359 UL E242198	
	(Alternative)	KBI COSMOLINK CO., LTD.	TIW-M	Class B,	UL 1446	UL E258545	
	(Alternative)	Heyuan Koshen Insulator Co Ltd	TIW-B	Class B,	UL 2353	UL E365580	
	- (Alternative)	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY	XYW-B	Class B,	UL 2353	UL E251775	
-16	-Insulating tape	SYMBIO INC	35660,35661, 35660Y(e)	Min. 130°C	UL 510	UL E50292	Fixed in transformer
	- (Alternative)	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	1350F-1, 1350F-2	Min. 130°C	UL 510	UL E17385	
	(Alternative)	BONDTEC PACIFIC CO LTD	370S	130°C	UL 510	UL E175868	

Critical Components (Continued)

Figure /item No.	Object/ Parts No.	Manufacturer/ Trademark	Type/ Model	Technical Data	Standard (Edition / year)	Mark(s) of Conformity	Secured Method
--	- (Alternative)	JINGJIANG YAHUA PRESSURE SENSITIVE GLUE CO LTD	PZ, CT, WF	130°C	UL 510	UL E165111	--
	- (Alternative)	JINGJIANG JINGYI ADHESIVE PRODUCT CO LTD	JY25-A	130°C	UL 510	UL E246950	
	- (Alternative)	CHANG SHU LIANG YI TAPE INDUSTRY CO LTD	LY-XX	130°C	UL 510	UL E246820	
-17	-PTFE tubing	GREAT HOLDING INDUSTRIAL CO LTD	TFT, TFS	300V, 200°C	UL 224	UL E156256	Fixed in transformer
	- (Alternative)	SHENZHEN WOER HEATSHRINKA BLE MATERIAL CO LTD	WF	600V, 200°C	UL 224	UL E203950	
	- (Alternative)	CHANGYUAN ELECTRONICS (SHENZHEN) CO LTD	CB-TT-T, CB- TT-S	300V, 200°C	UL 224	UL E180908	
	- (Alternative)	ZEUS	TFE-TW-300, TFE-SW-600	Min.300V, 200°C	UL 224	UL E64007	
1/18	US Plug	GlobTek, Inc.	--	125V, 1-15P	NEMA 1-15	Intertek (171201810S HA-001)	Fixed in transformer

Critical Drawings

Title:	Drawing No.:	Rev. Level:	Date:
Transformer (90E10PF02-XXXX)	Illustration 3	--	2025-11-11
Transformer (90E10PFX0-XXXX)	Illustration 4	--	2025-11-11
Transformer (90E102PFA-XXXX)	Illustration 5	--	2025-11-11
Circuit diagram (DC cord)	Illustration 6	--	2025-07-17
Circuit diagram (USB2C)	Illustration 7	--	2025-11-20
Circuit diagram (USB)	Illustration 8	--	2018-03-16

Figures

Figure 1.

Description: Overview (GTM86100-1005-W2-USB2C)



Figure 2.

Description: Overview (GTM86100-1005-W2-USB2C)



Figures (Continued)

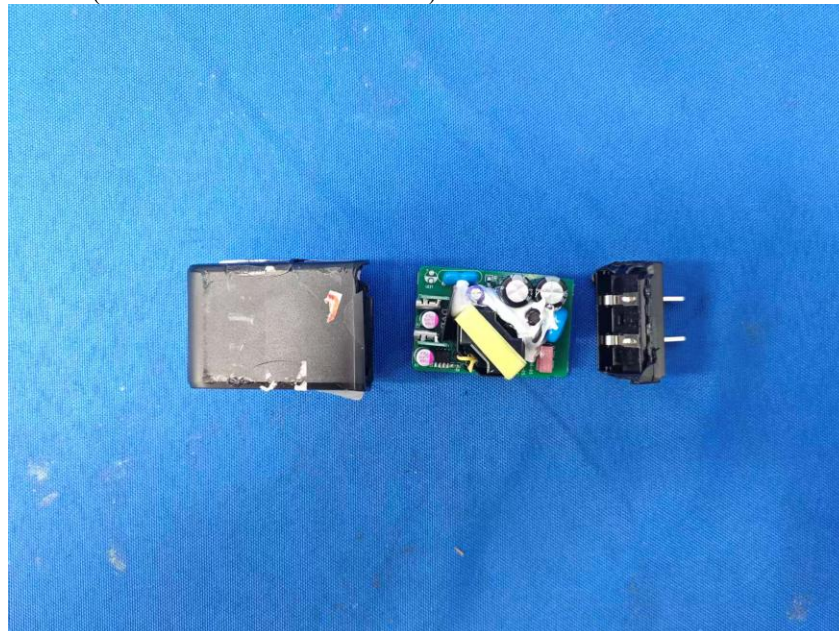
Figure 3.

Description: Overview (GTM86100-1005-W2-USB2C)



Figure 4.

Description: Internal view (GTM86100-1005-W2-USB2C)



Figures (Continued)

Figure 5.

Description: PCB view (GTM86100-1005-W2-USB2C)



Figure 6.

Description: PCB view (GTM86100-1005-W2-USB2C)



Figures (Continued)

Figure 7.

Description: Transformer view (GTM86100-1005-W2-USB2C)

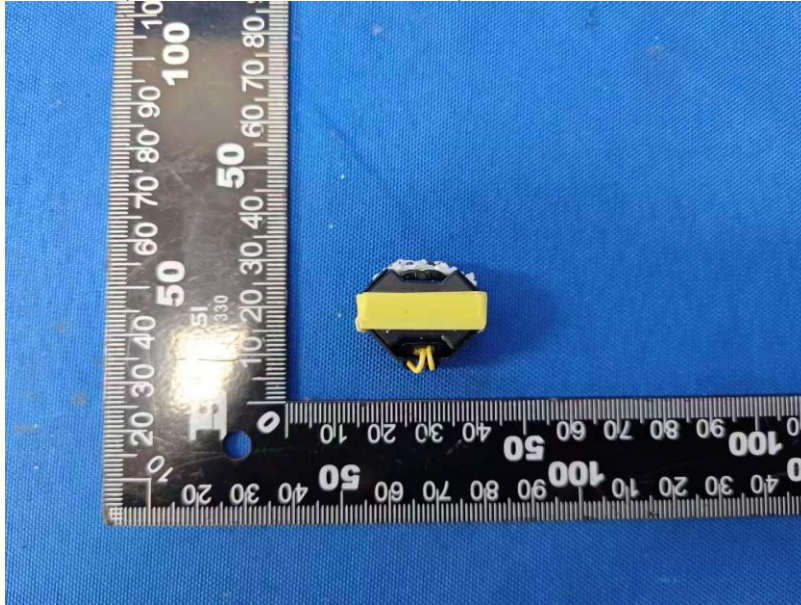
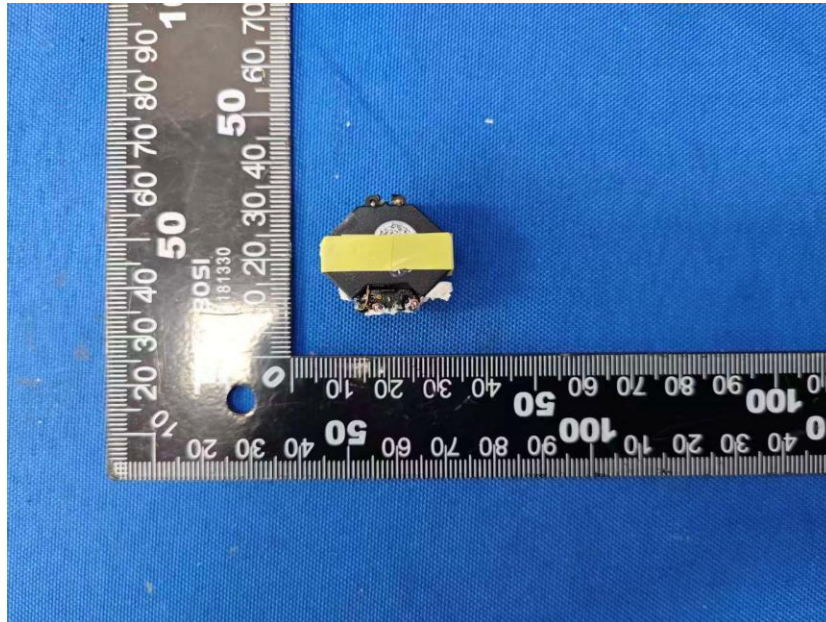


Figure 8.

Description: Transformer view (GTM86100-1005-W2-USB2C)



Figures (Continued)

Figure 9.

Description: Transformer view (GTM86100-1005-W2-USB2C)

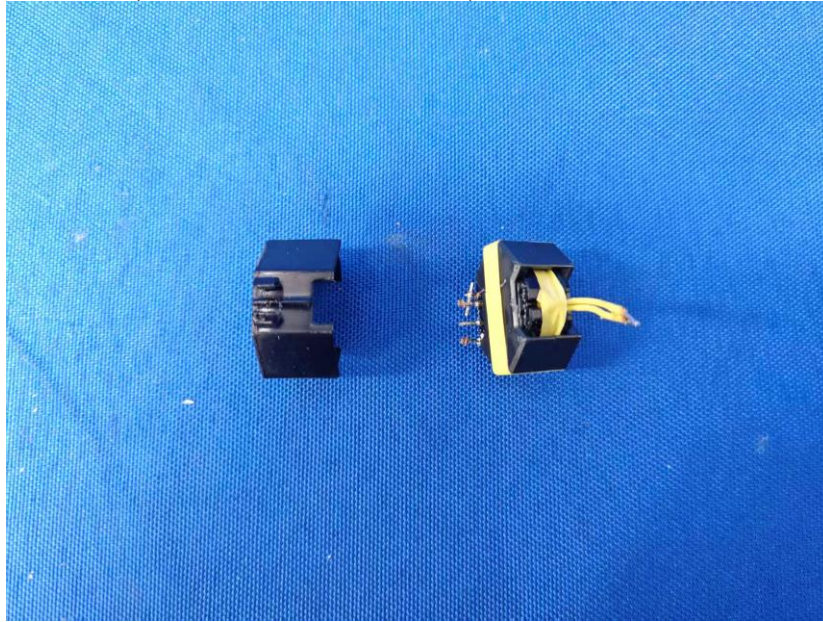


Figure 10.

Description: Transformer view (GTM86100-1005-W2-USB2C)



Figures (Continued)

Figure 11.

Description: Transformer view (GTM86100-1005-W2-USB2C)

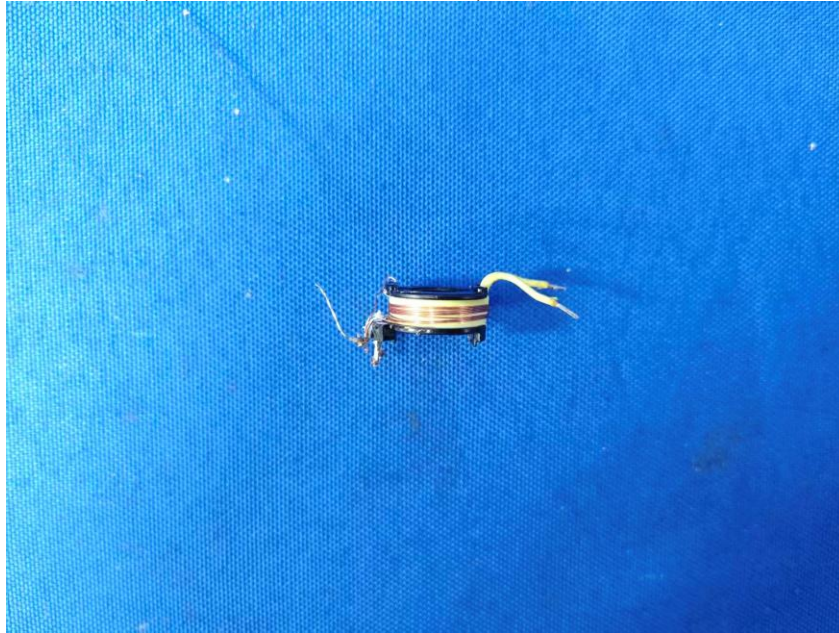


Figure 12.

Description: Transformer view (GTM86100-1005-W2-USB2C)



Figures (Continued)

Figure 13.

Description: Transformer view (GTM86100-1005-W2-USB2C)



Figure 14.

Description: Transformer view (GTM86100-1005-W2-USB2C)



Figures (Continued)

Figure 15.

Description: Transformer view (GTM86100-1005-W2-USB2C)



Figure 16.

Description: Overview (GTM86100-1005-W2)



Figures (Continued)

Figure 17.

Description: Overview (GTM86100-1005-W2)



Figure 18.

Description: Internal view (GTM86100-1005-W2)



Figures (Continued)

Figure 19.

Description: PCB view (GTM86100-1005-W2)

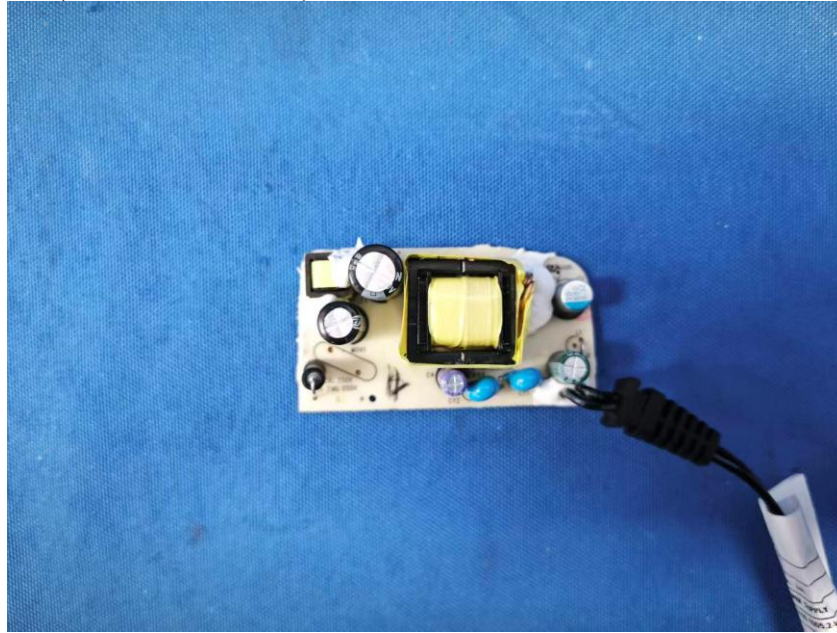
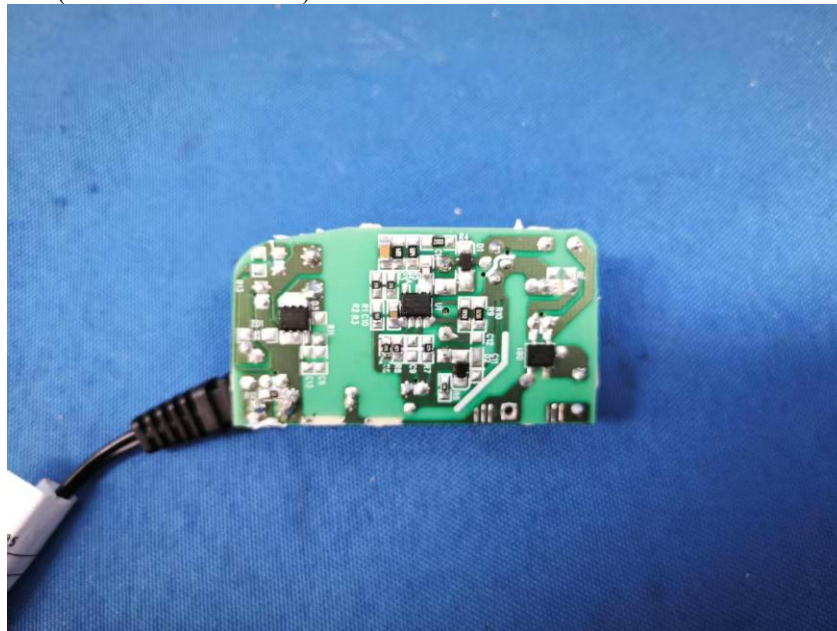


Figure 20.

Description: PCB view (GTM86100-1005-W2)



Figures (Continued)

Figure 21.

Description: Transformer view (GTM86100-1005-W2)



Figure 22.

Description: Transformer view (GTM86100-1005-W2)



Figures (Continued)

Figure 23.

Description: Transformer view (GTM86100-1005-W2)

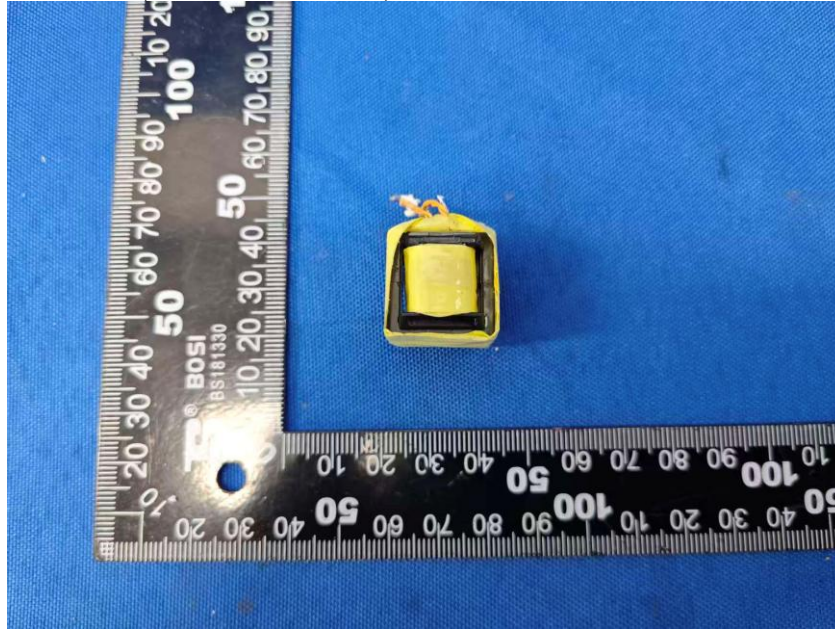
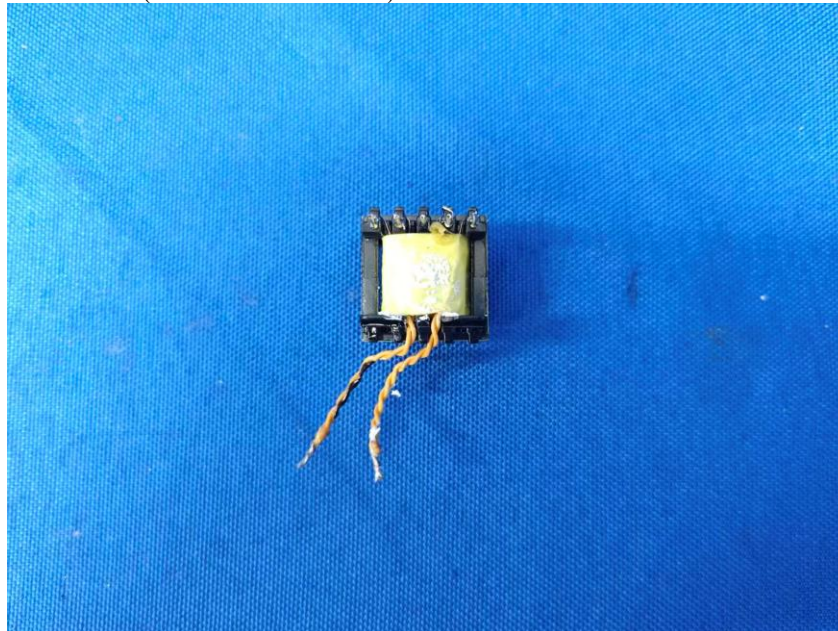


Figure 24.

Description: Transformer view (GTM86100-1005-W2)



Figures (Continued)

Figure 25.

Description: Transformer view (GTM86100-1005-W2)

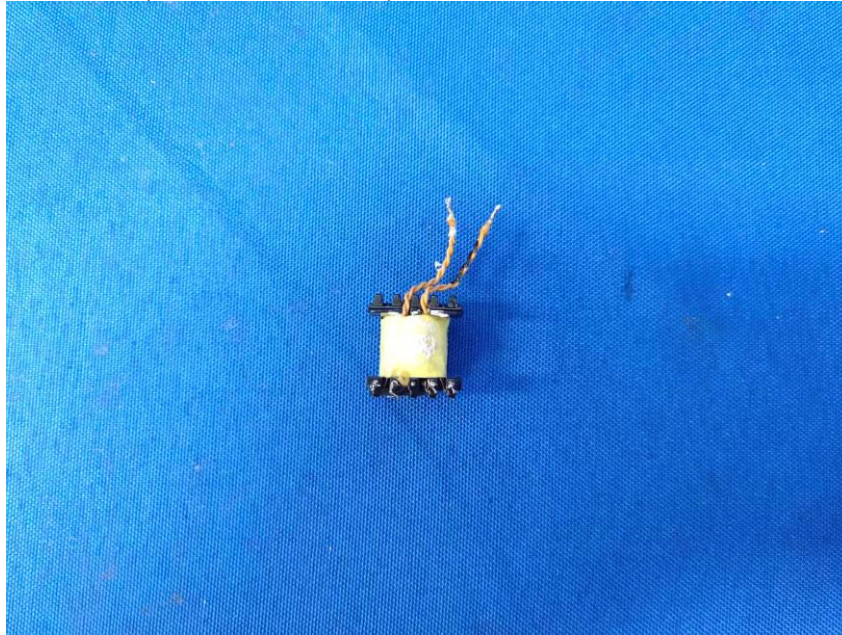
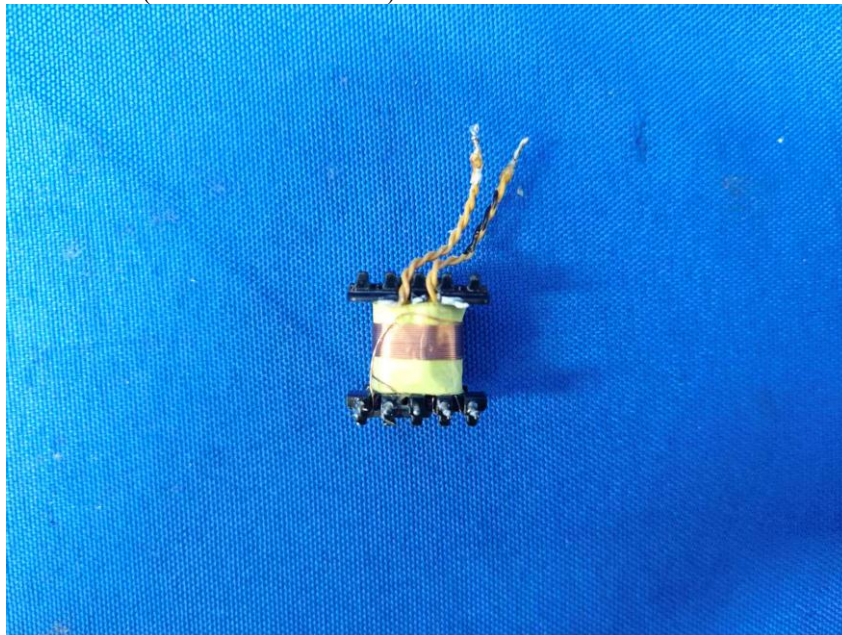


Figure 26.

Description: Transformer view (GTM86100-1005-W2)



Figures (Continued)

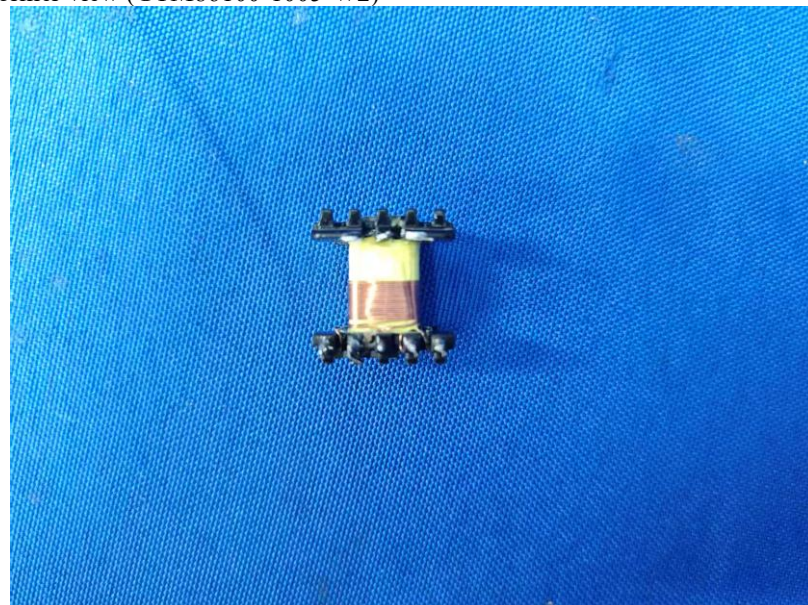
Figure 27.

Description: Transformer view (GTM86100-1005-W2)



Figure 28.

Description: Transformer view (GTM86100-1005-W2)



Figures (Continued)

Figure 29.

Description: Transformer view (GTM86100-1005-W2)



Figure 30.

Description: Transformer view (GTM86100-1005-W2)



Figures (Continued)

Figure 31.

Description: Overview (GTM86100-1005.2-W2-USB)

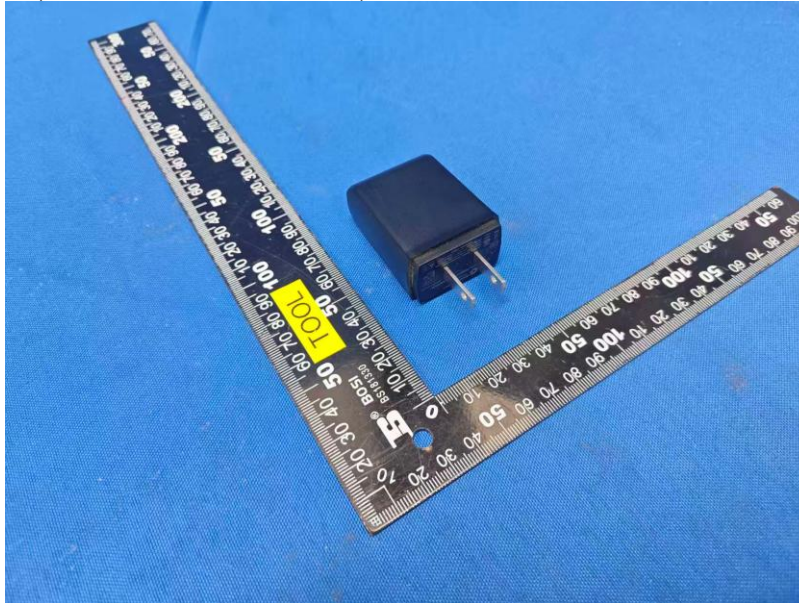
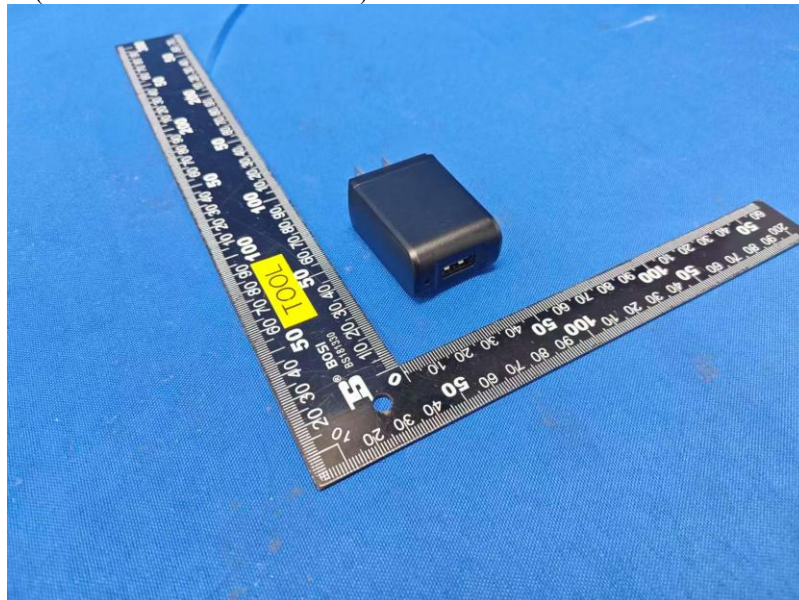


Figure 32.

Description: Overview (GTM86100-1005.2-W2-USB)



Figures (Continued)

Figure 33.

Description: Overview (GTM86100-1005.2-W2-USB)



Figure 34.

Description: Internal view (GTM86100-1005.2-W2-USB)



Figures (Continued)

Figure 35.

Description: PCB view (GTM86100-1005.2-W2-USB)

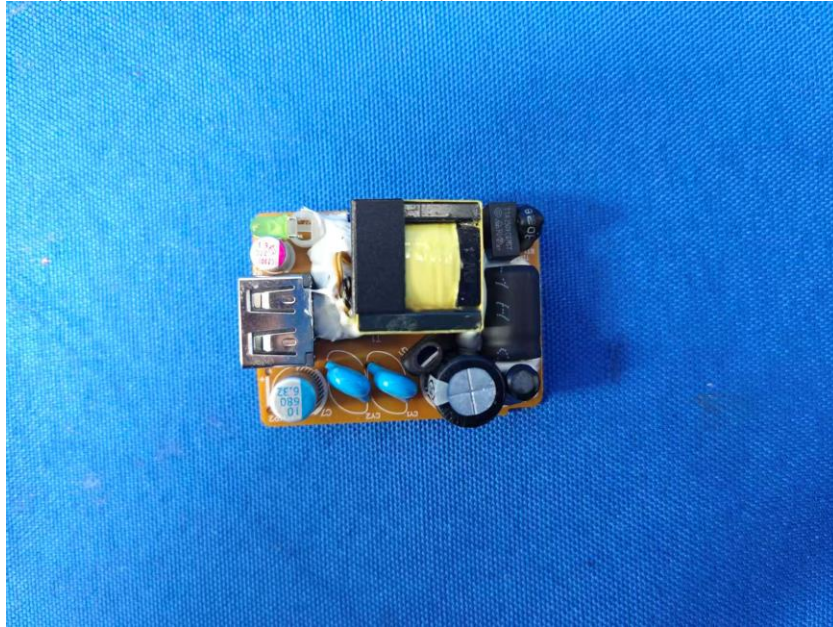
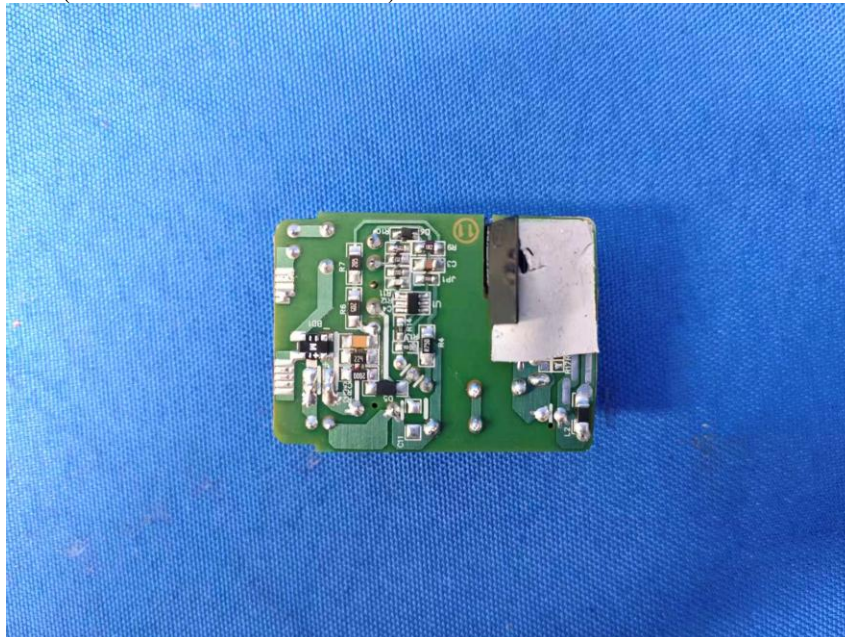


Figure 36.

Description: PCB view (GTM86100-1005.2-W2-USB)



Figures (Continued)

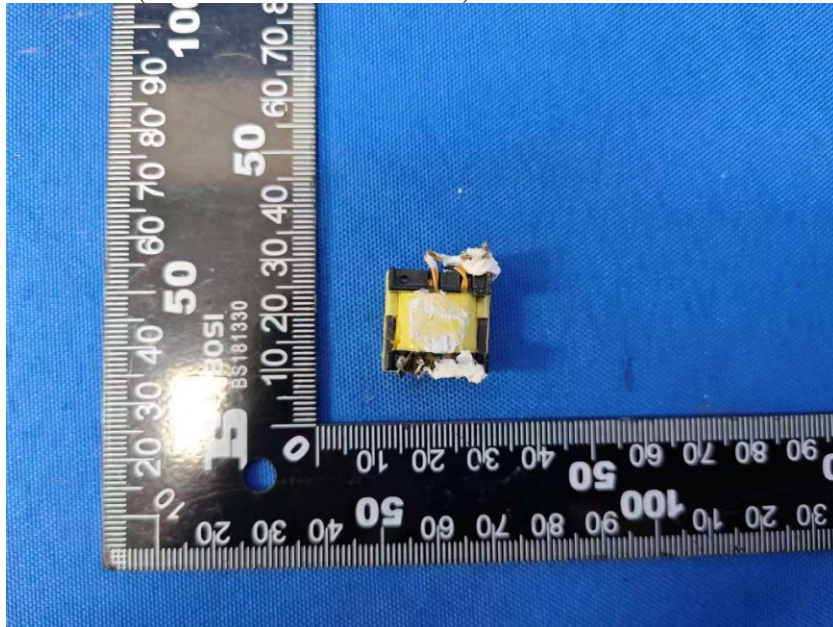
Figure 37.

Description: Transformer view (GTM86100-1005.2-W2-USB)



Figure 38.

Description: Transformer view (GTM86100-1005.2-W2-USB)



Figures (Continued)

Figure 39.

Description: Transformer view (GTM86100-1005.2-W2-USB)

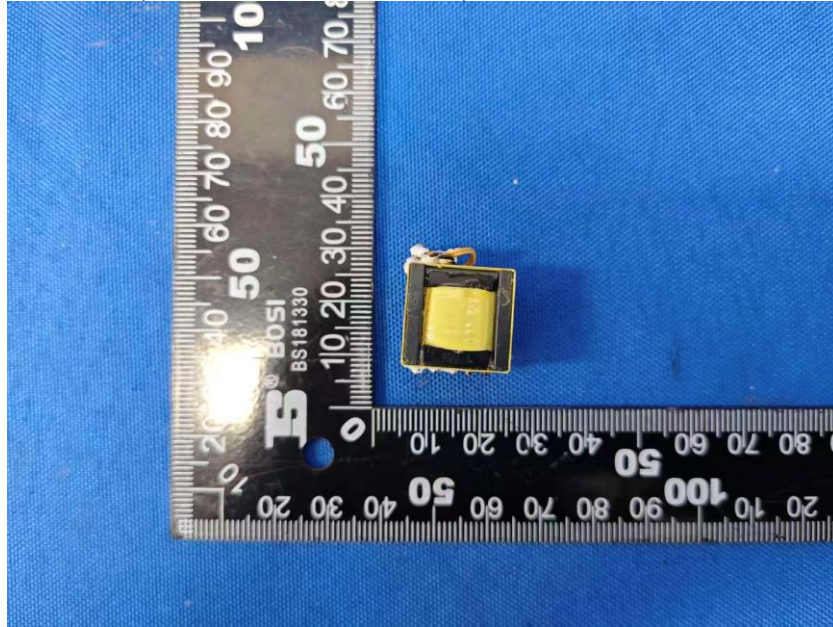


Figure 40.

Description: Transformer view (GTM86100-1005.2-W2-USB)



Figures (Continued)

Figure 41.

Description: Transformer view (GTM86100-1005.2-W2-USB)



Figure 42.

Description: Transformer view (GTM86100-1005.2-W2-USB)



Figures (Continued)

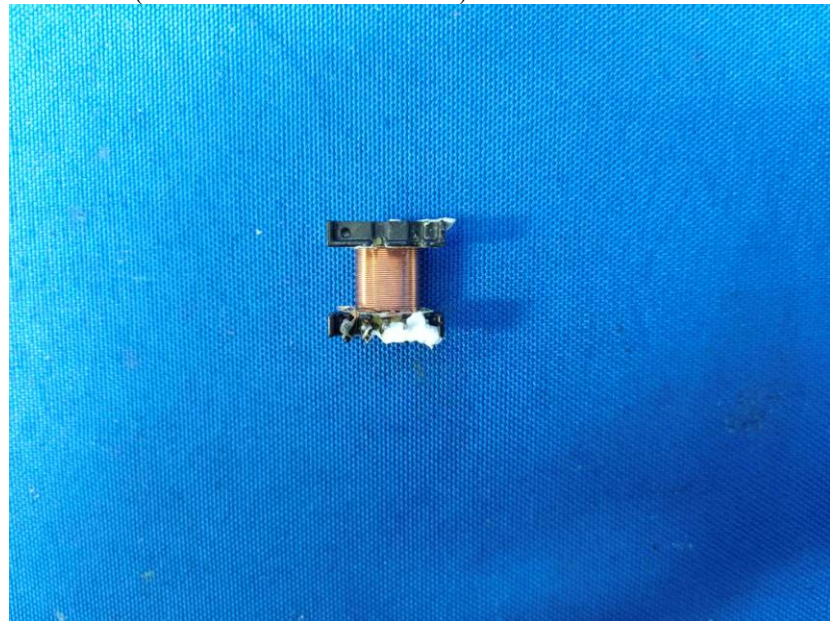
Figure 43.

Description: Transformer view (GTM86100-1005.2-W2-USB)



Figure 44.

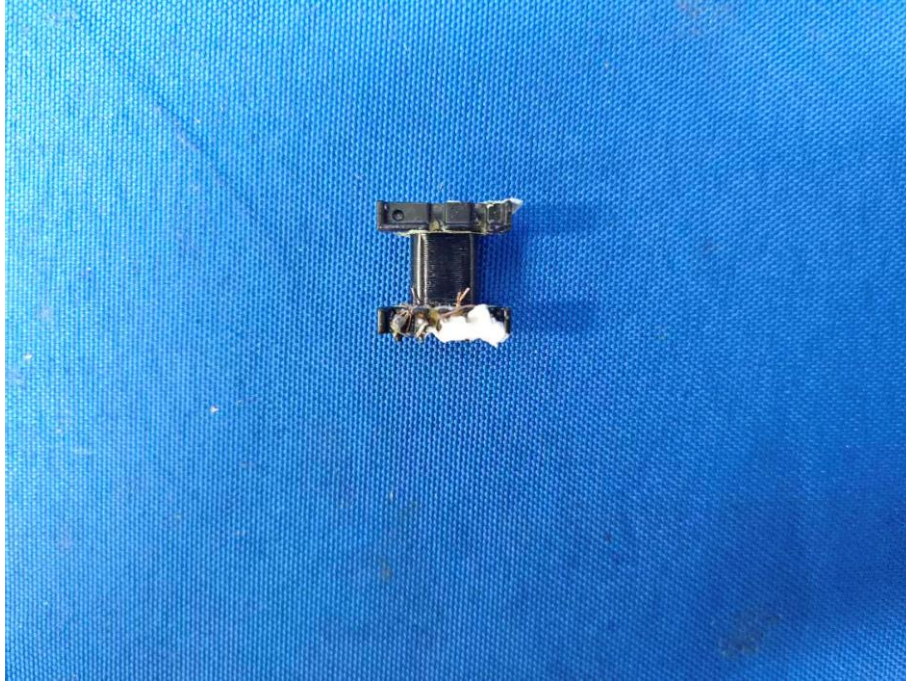
Description: Transformer view (GTM86100-1005.2-W2-USB)



Figures (Continued)

Figure 45.

Description: Transformer view (GTM86100-1005.2-W2-USB)



Illustrations

Illustration 1.

GlobTek, Inc.

Revision: A.0

User manual for Model No.: GT*86100 series

ELECTRICAL SPECIFICATIONS:

Model: GT*86100-**-W2**

The 1st *** part can be 'M' or '-' or 'H' for market identification and not related to safety.

The 2nd *** denotes the rated output wattage designation, which can be "01" to "10", "01" means 1W, "10" means 10W, with interval of 1W.

The 3rd *** denotes the rated output voltage designation, which can be "5.0" "5.1", "5.2" or "05" "05.1" "05.2", "5.0" and "05" means 5.0V, "5.1" and "05.1" means 5.1V, "5.2" and "05.2" means 5.2V.

The 4th *** designates type of plug and can be E for European plug, U for British plug, blank for North American plug/Japan plug/Taiwan plug, C for China plug, A for Australia plug, K for Korea plug.

The 5th *** can be "-USB" or "-USBC" or "-USB2C" or blank,

-USB denote the power supplies use USB port, -USBC denote the power supplies use USB type C port,

-USB2C denote the power supplies use two USB type C ports, when it is blank, denote the power supplies use DC output wires.

Input: 100-240Vac 50-60Hz or 50/60Hz 0.3A

Output: 5-5.2Vdc; Max. 2A; Max. 10W, details refer to making label.

MTBF: 1500,000 HOURS AT 25°C ambient temperature

Operating Temperature: 0°C TO 40° C

Storage Temperature: -20°C TO 60° C

Operating Humidity: 15% TO 90% relative humidity

Storage Humidity: 5% TO 95% relative humidity

Ambient pressure range: 54 kPa to 106 kPa

Weight: 0.046kg

Enclosure Size: 57.3 x 69.0 x 28.8 mm +/-1.0 mm

Output cord: No. 24 AWG min., VW-1, 105 degrees C, min.30 V;

1. Please read these safety instructions carefully.
2. This unit is for indoor use only.
3. Please refer to the marking label on the unit for input and output ratings. Do not overload the power supply.
4. The socket-out shall be installed near the equipment and shall be easily accessible.
5. A readily accessible disconnect device shall be incorporated in the fixed wiring.
6. Disconnect the appliance coupler to separate the unit from mains supply.
7. The apparatus shall not be exposed to dripping or splashing.
8. If the pins of the plug parts are damaged, the plug-in power supply shall be scrapped.

9. Class II equipment:



10. Indoor use:



11. Attention, Consult Accompanying Documents- as applicable)
12. Do not throw this electronic device into the trash when discarding. To minimize pollution and ensure utmost protection of the global environment, please recycle it.

Illustrations (Continued)

Illustration 2.

GlobTek, Inc.

Revision: A.0



13. The power supply has to be disposed appropriately: Please refer to local regulations (Waste Electrical and Electronic Equipment).

14. The LED is operating indicator

15. Regardless to the legal warranty the manufacturer grants in accordance with the laws of its country, at least 1 year (in Germany 2 years). Begin of warranty is the sales date of the equipment to the final consumer.

The warranty covers only defects/deficiencies, which are to due to failures of material or manufacturing.

Warranty repairs may be accomplished exclusively by an authorized customer service. In order to make your warranty claim the original (sales voucher) receipt (with sales date) must be attached.

Excluded from warranty are:

- Usual abrasion
- Inappropriate applications, like for example overloading of the equipment and not certified accessories
- Damages by foreign effects, use of force or by foreign objects
- Damage, which results from neglect of the user manual, for example connection to a wrong voltage or neglect of the assembly instructions
- Complete or partly dismantled devices

Illustrations (Continued)

Illustration 3.

REV.	ZONE	DESCRIPTION	DATE	BY
				Lj.jy

MODEL	PAGE 1 OF 2	
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1. 繞線順序圖

PIN4 → PIN5 $\phi 0.23 \times 19Ts$
 B → A $\phi 0.5 \times 2 \times 8Ts$
 PIN4 → NC $\phi 0.23 \times 1 \times 22Ts$
 $\phi 0.3 \times 1 \times 36Ts$
 PIN2 → PIN1 $\phi 0.3 \times 1 \times 37Ts$
 $\phi 0.3 \times 1 \times 37Ts$

BOBBIN EF20

- MYLAR TAPE 2Ts
- MYLAR TAPE 3Ts
- MYLAR TAPE 2Ts
- MYLAR TAPE 2Ts

2. LABEL圖

16
XXI-130
90E10PF02-XXXX
DVE A

"XXXX" to denote the part number, can be any alphanumeric character for marketing purposes only.
 The transformer can not appear the phenomenon of crossing between the primary winding and secondary winding.

3. 原理圖

● 黑點表示極性 NC

4. 三視圖

NOTE: 此產品需真空含浸

CORE: EF20

在铁芯外包玛拉:

5

21MAX

1

B

A

標示漆線代碼

21MAX

18.2MAX

1

5

PIN4繞完線后
鍍錫接于CORE

5. 感值

INDUCTANCE: AT 50KHz 1V
 L(PIN2-PIN1): 1.0mH MIN

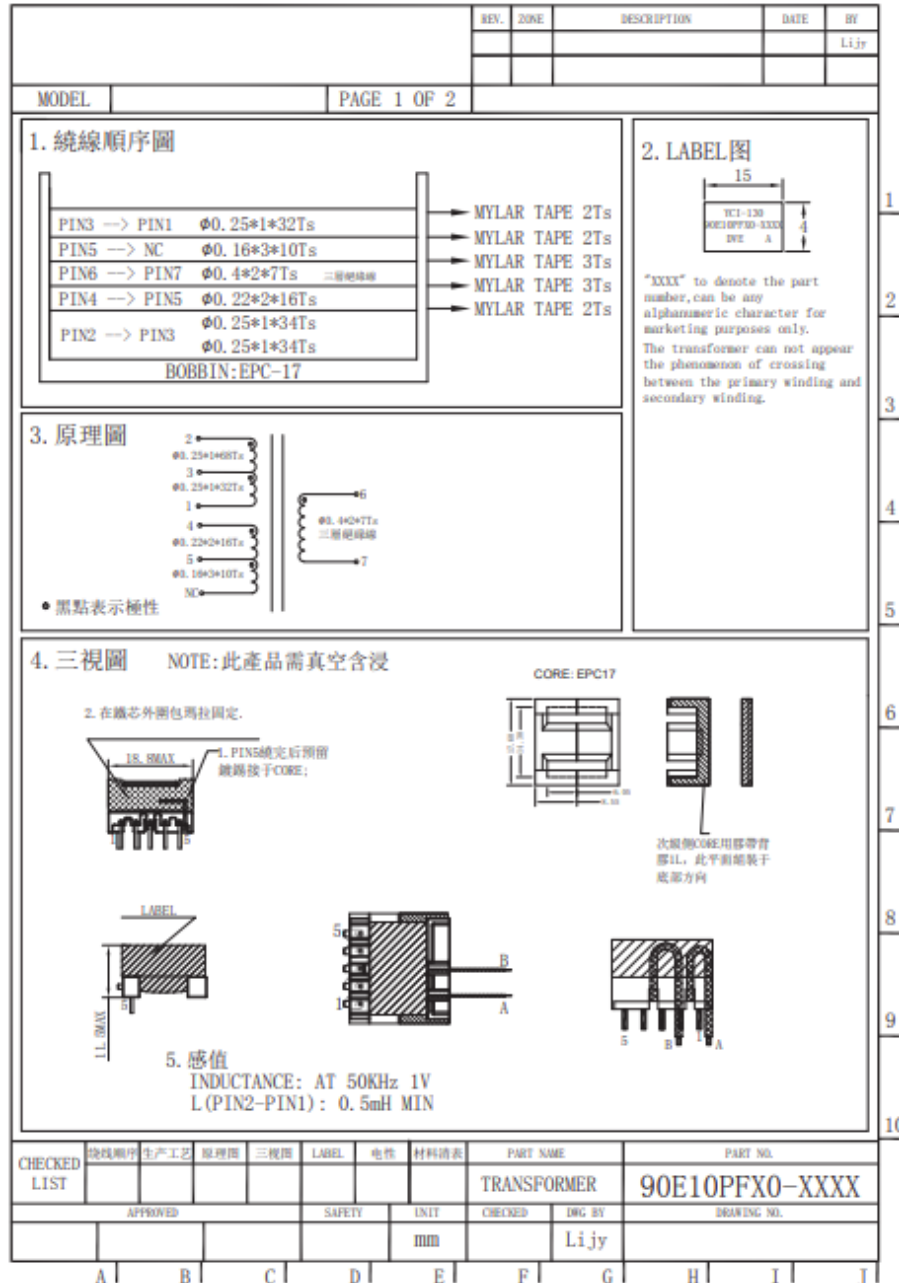
6. 檢驗表

CHECKED LIST	繞線順序	生产工艺	原理图	三视图	LABEL	电性	材料清单	PART NAME	PART NO.
								TRANSFORMER	90E10PF02-XXXX
APPROVED					SAFETY		UNIT	CHECKED	DWG BY
							mm	Lj.jy	

A	B	C	D	E	F	G	H	I	J
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Illustrations (Continued)

Illustration 4.



Illustrations (Continued)

Illustration 5.

REV.	ZONE	DESCRIPTION	DATE	BY
				LiJy

MODEL
PAGE 1 OF 2

1. 繞線順序圖

PIN1 → PIN4	φ0.2*1*8Ts	→ MYLAR TAPE 2Ts
A → B	φ0.7*1*3Ts 四層絕緣線	→ MYLAR TAPE 3Ts
PIN4 → NC	φ0.15*2*9.5Ts	→ MYLAR TAPE 2Ts
	φ0.2*1*17Ts	→ MYLAR TAPE 2Ts
PIN3 → PIN2	φ0.2*1*18Ts	
	φ0.2*1*18Ts	

BOBBIN RMS

2. LABEL圖

"XXXX" to denote the part number, can be any alphanumeric character for marketing purposes only.
The transformer can not appear the phenomenon of crossing between the primary winding and secondary winding.

3. 原理圖

● 黑點表示極性 NC

4. 三視圖

NOTE: 此產品需真空含浸
CUT OFF PIN : 5, 6

5. 感值

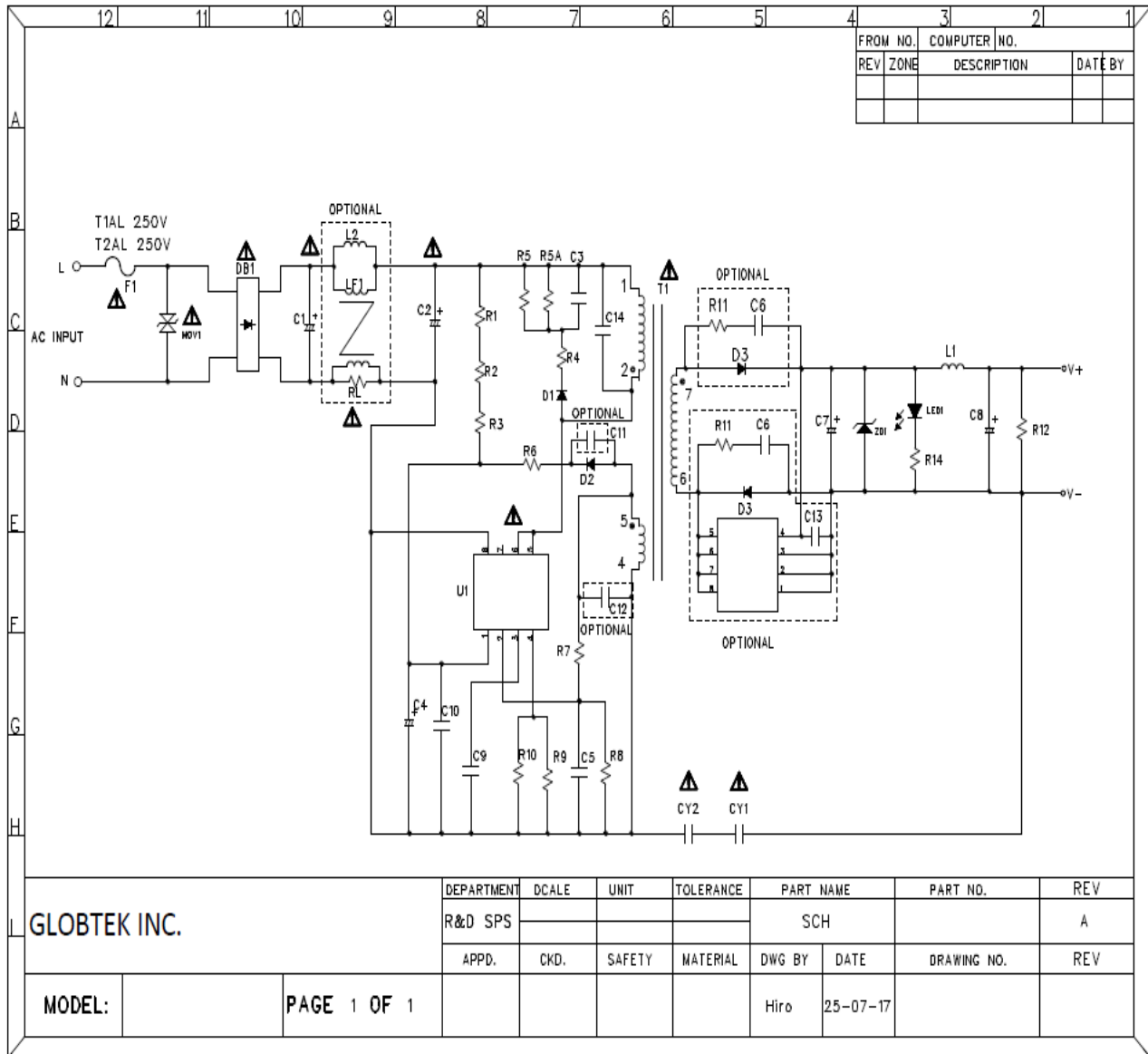
INDUCTANCE: AT 50KHz 1V
L (PIN2-PIN3) : 1.0mH MIN

1. 裝屏蔽罩后在最外圈包固定CORE与屏蔽罩

CHECKED LIST	繞線順序	生产工艺	原理图	三视图	LABEL	电性	材料清单	PART NAME	PART NO.
								TRANSFORMER	90E102PFA-XXXX
APPROVED				SAFETY		UNIT		CHECKED	DWG BY
						mm		LiJy	DRAWING NO.

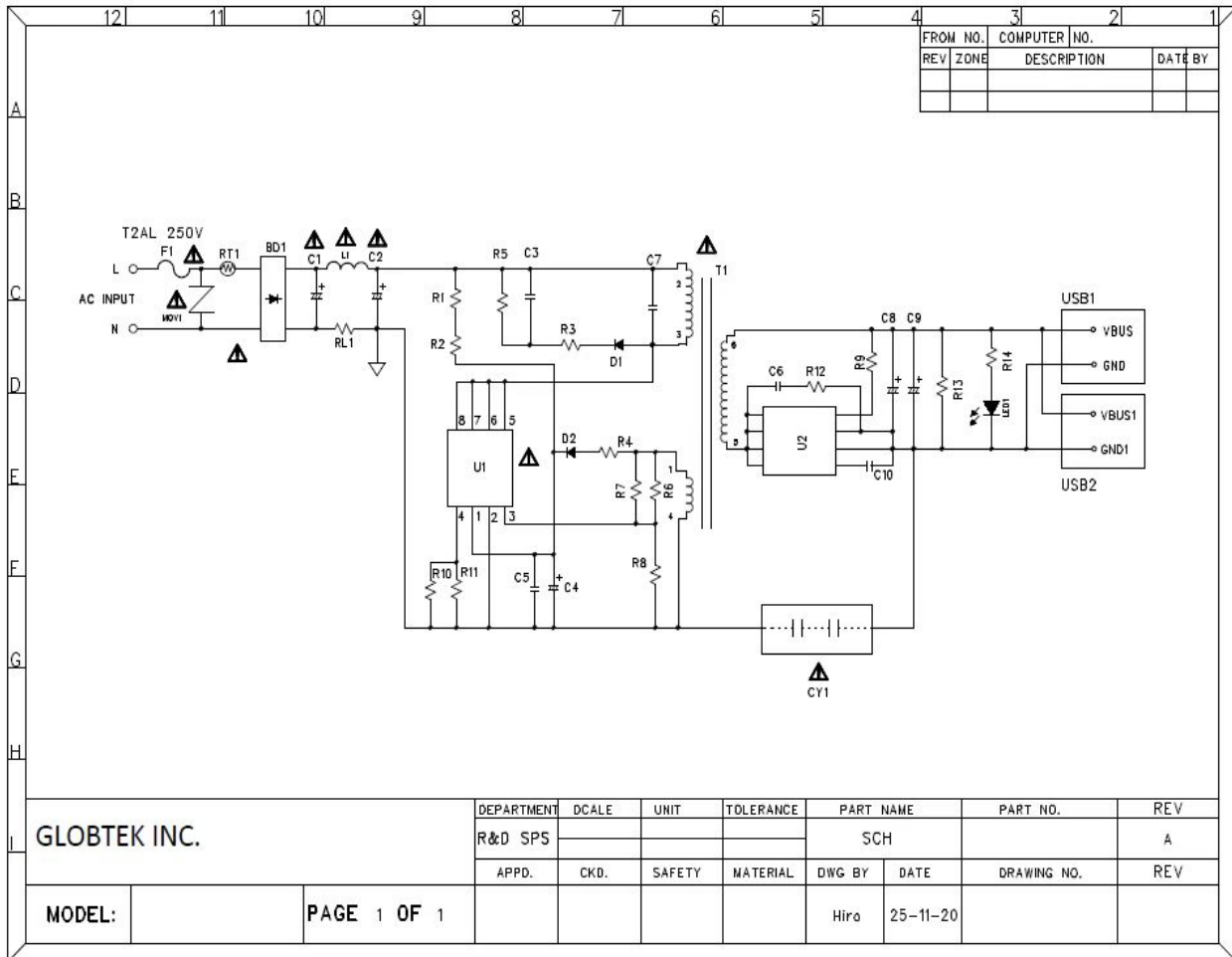
Illustrations (Continued)

Illustration 6.



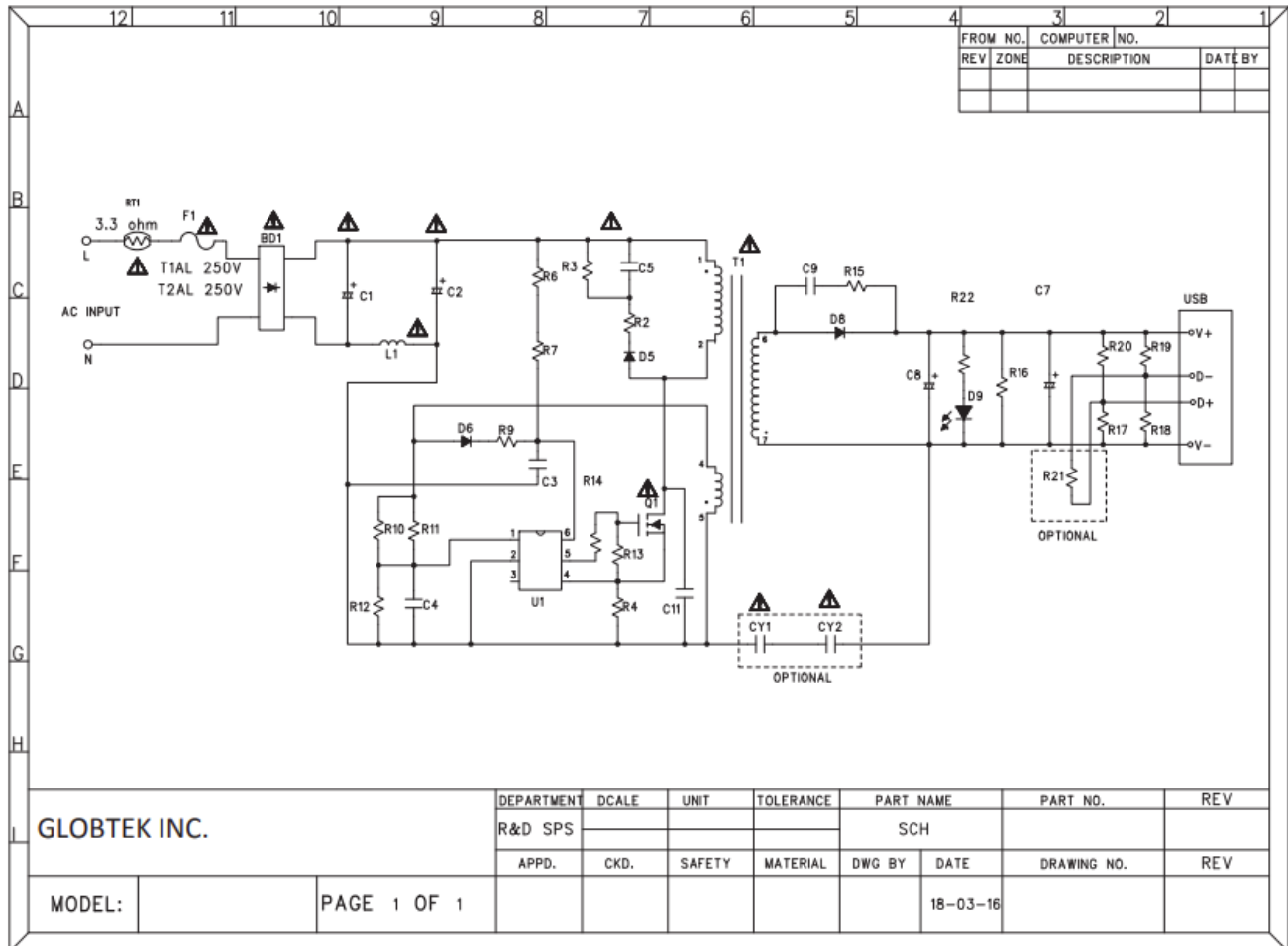
Illustrations (Continued)

Illustration 7.



Illustrations (Continued)

Illustration 8.



Testing Considerations

Samples of the medical power supply were subjected to the following test program with satisfactory results. All tests were conducted in accordance with CAN/CSA C22.2 NO. 60601-1:14 + A2:22 (R2022) / AAMI ES60601-1:2005 (R2012) + A1:2012 + A2:2021, Edition 3.2: Medical Electrical Equipment - Part 1: General Requirements for Basic Safety and Essential Performance; CAN/CSA-C22.2 NO. 60601-1-6:11 + A1:2015 + A2:2021 (R2021) / IEC 60601-1-6:2010 + A1:2013 + A2:2020, Edition 3.2: Medical Electrical Equipment – Part 1-6: General Requirements for Basic Safety and Essential Performance – Collateral Standard: Usability; ANSI/AAMI HA 60601-1-11:15 + A1:2021 / CAN/CSA C22.2 NO. 60601-1-11:15 (R2020) + A1:21, Edition 2.1: 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.

Only these tests were considered necessary due to engineering considerations. Detailed test results are on file at Eurofins E&E NA, LLC under project number 140341.

Tests Conducted:

ANSI/AAMI ES 60601-1, CAN/CSA-C22.2 No. 60601-1

- 1 Power Input Test (cl. 4.11)
- 2 Humidity Test (cl. 5.7)
- 3 Marking Legibility Test (cl. 7.1.2)
- 4 Marking Durability Test (cl. 7.1.3)
- 5 Leakage Currents And Patient Auxiliary Currents Test (cl. 8.7)
- 6 Dielectric Voltage Withstand Test (cl. 8.8.3)
- 7 Ball Pressure Test (cl. 8.8.4.1)
- 8 Temperature Test (cl. 11.1)
- 9 Overflow, Spillage, Leakage, Cleaning, Sterilization And Disinfection, Harmful Ingress Of Liquids (cl. 11.6)
- 10 Interruption of Power supply (cl. 11.8)
- 11 Hazardous Conditions And Fault Conditions – Electrical Single Fault Condition (cl. 13.2.2)
- 12 Mechanical strength (cl.15.3)

ANSI/AAMI HA60601-1-11, CAN/CSA C22.2 NO. 60601-1-11

- 1 Environmental conditions of transport and storage between uses
- 2 Continuous operating conditions
- 3 Additional requirements for ingress of water or particulate matter into the equipment and the systems
- 4 Requirements for mechanical strength for non-transit-operable ME equipment

Conclusion

The product covered by this report have been tested, examined, and found to comply with the applicable requirements of Standards listed on the title page of this report regarding the risks of electrical hazards, mechanical hazards, radiation hazards, excessive temperature hazards only. The risks associated with other properties of the product(s) have not been evaluated. This certification has been granted under a System 3 program as defined in ISO/IEC 17067.

Prepared By:



Mac Wu
Project Engineer,
Eurofins Electrical Testing Service (Shanghai) Co., Ltd.

Reviewed By:



Jackie Zhao
Project Reviewer,
Eurofins Electrical Testing Service (Shanghai) Co., Ltd.