1.0 Reference and Address			
Report Number	200401396SHA-001	Original Issued: 13-May-2020	Revised: None
Standard(s)	Relocatable Power Taps [UL 1363:2018 Ed.5] Cord Reels And Multi-Outlet Assemblies [CSA C22.2#308:2018 Ed.2]		

Applicant	Yuyuanfeng Tech (Shenzhen) Co., Ltd.	Manufacturer	**Yuyuanfeng Tech (Shenzhen) Co., Ltd.**
Address	3-4F, BLDG4, Huimingsheng Industrial Park, Fuyong St., Bao'an Dist., Shenzhen City, Guangdong Province	Address	3-4F, BLDG4, Huimingsheng Industrial Park, Fuyong St., Bao'an Dist., Shenzhen City, Guangdong Province
Country	P.R.China	Country	P.R.China
Contact	Yanguo Cui	Contact	Yanguo Cui
Phone	0755-33668000	Phone	0755-33668000
FAX	-	FAX	-
Email	CYG001@126.com	Email	CYG001@126.com

2.0 Product Description	
Product	Relocatable Power Taps with USB power supply
Brand name	bototek®
Description	The products covered by this report are Relocatable Power Taps, with 10-way 5-15R receptacles, with supplementary protector, with built-in USB power supply with 4 out port, with SJT 14AWGX3C cord in length from 1.5ft to 25ft. This device is for indoor use only and cord connected with the supply.
Models	YA18WS-10AU4U
Model Similarity	NA
Ratings	15A 125Vac 1875W 60Hz
Other Ratings	USB Output: 5Vdc, 2.4A (each port) Total Output Current: 3.4A Max

3.0 Product Photographs

Photo 1 - Overall view

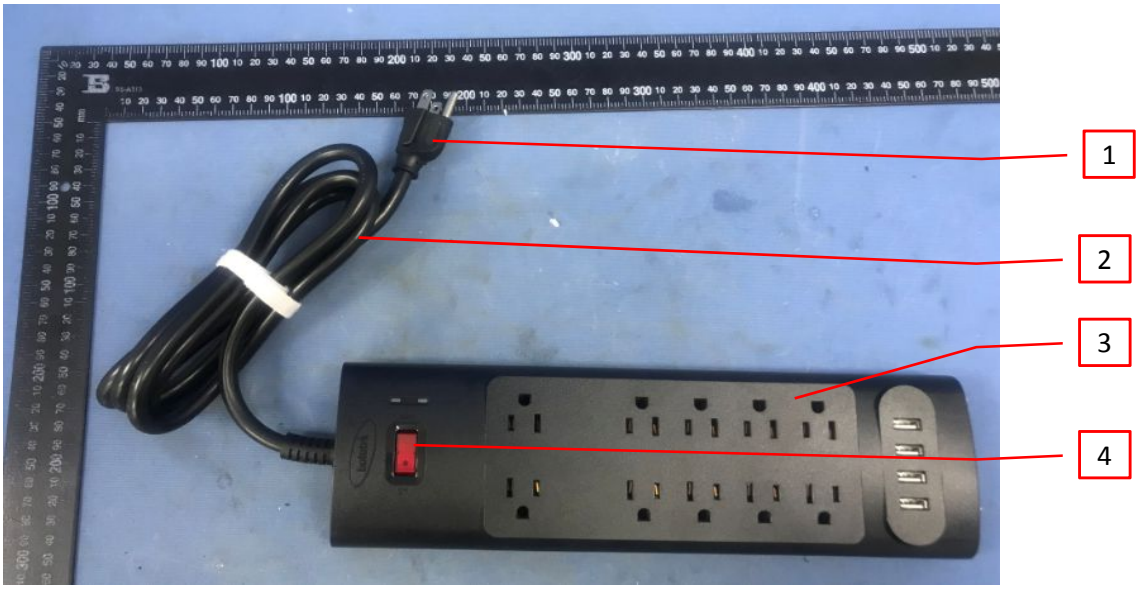
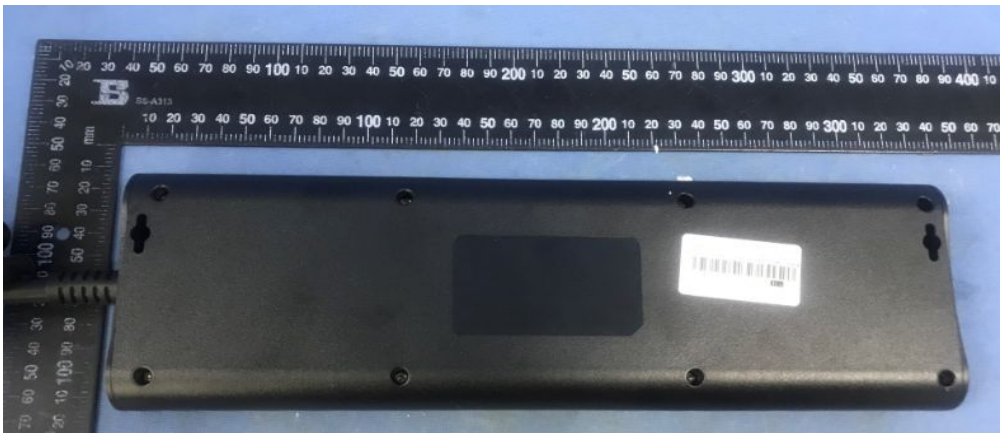


Photo 2 - Back view



3.0 Product Photographs

Photo 3 - Inner view

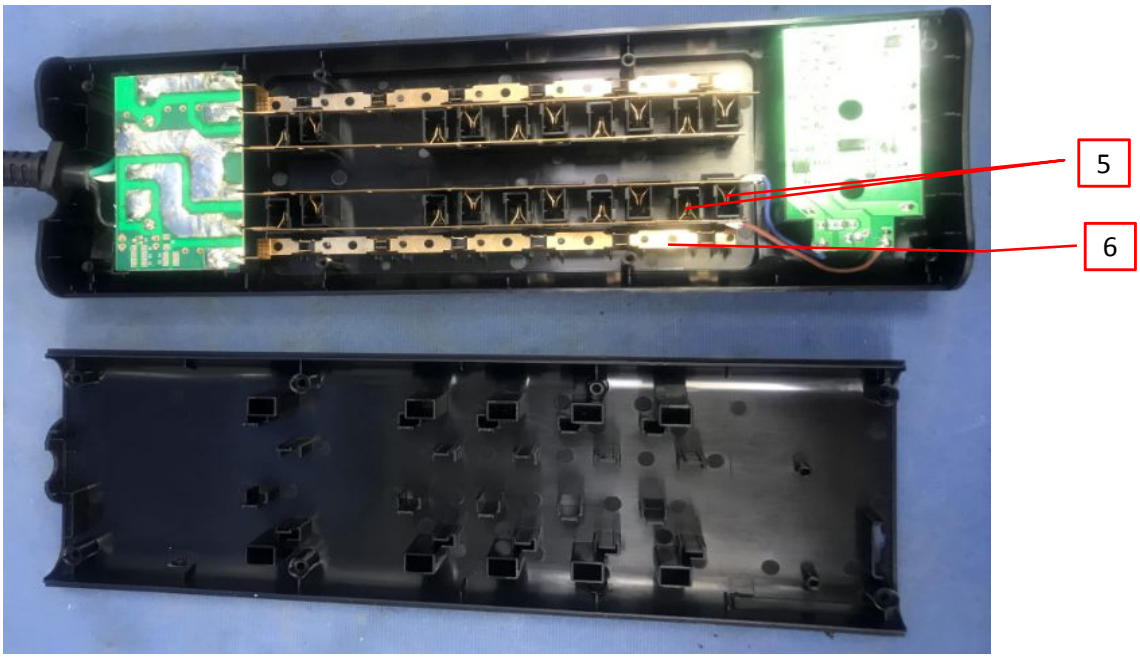
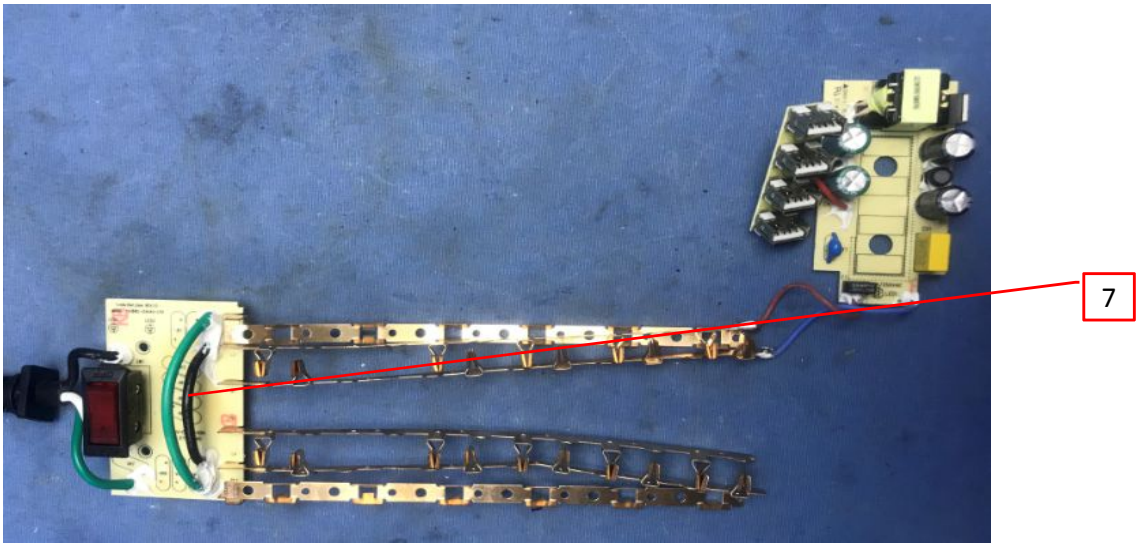


Photo 4 - Inner view



3.0 Product Photographs

Photo 5 - PCB view

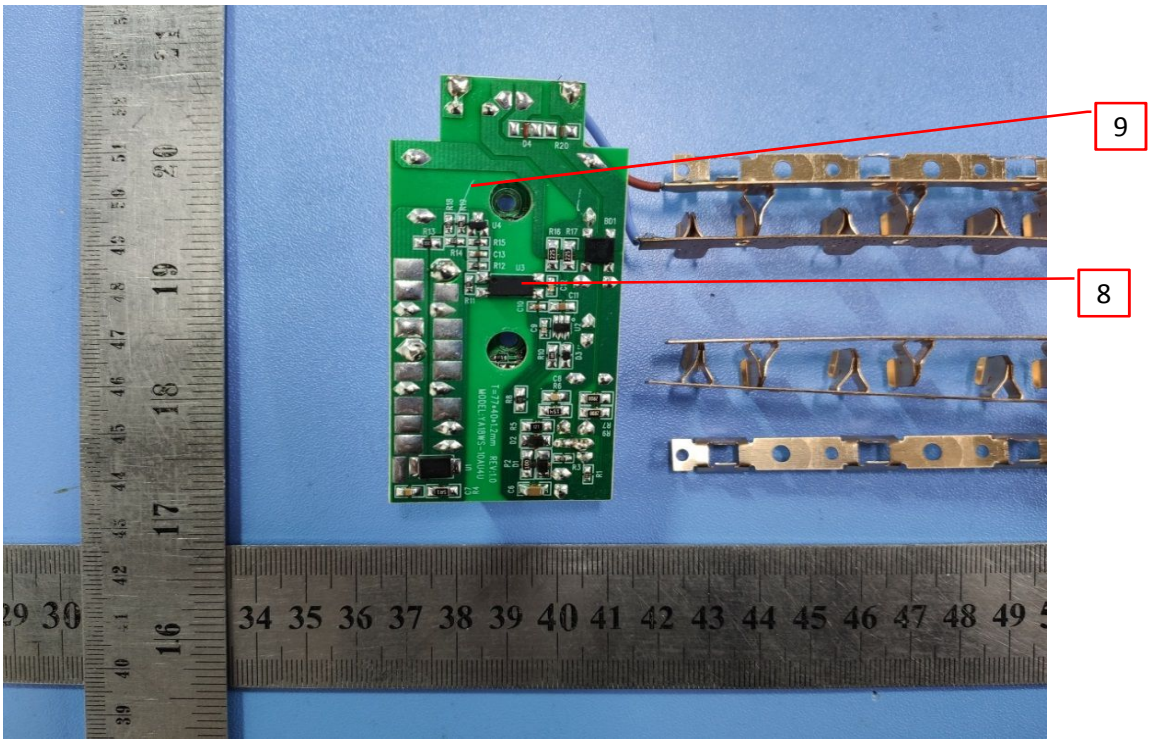
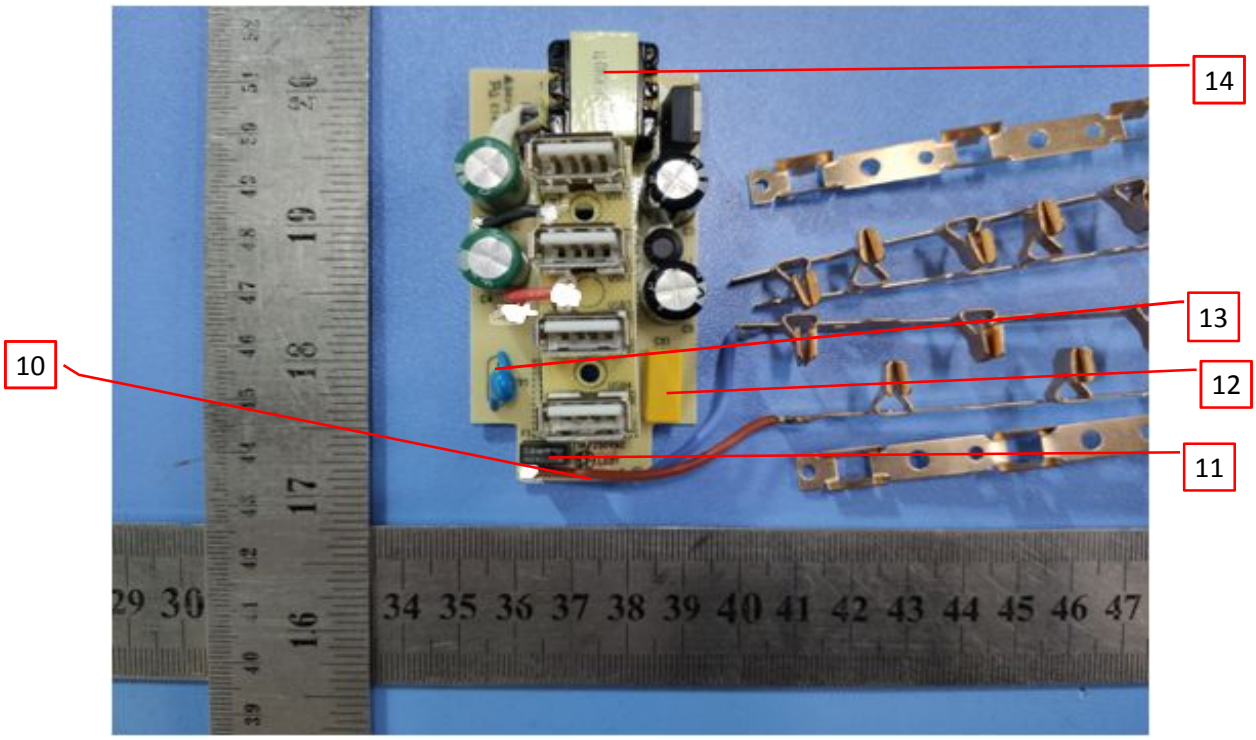


Photo 6 - Inner view



3.0 Product Photographs

Photo 7 - Transformer view

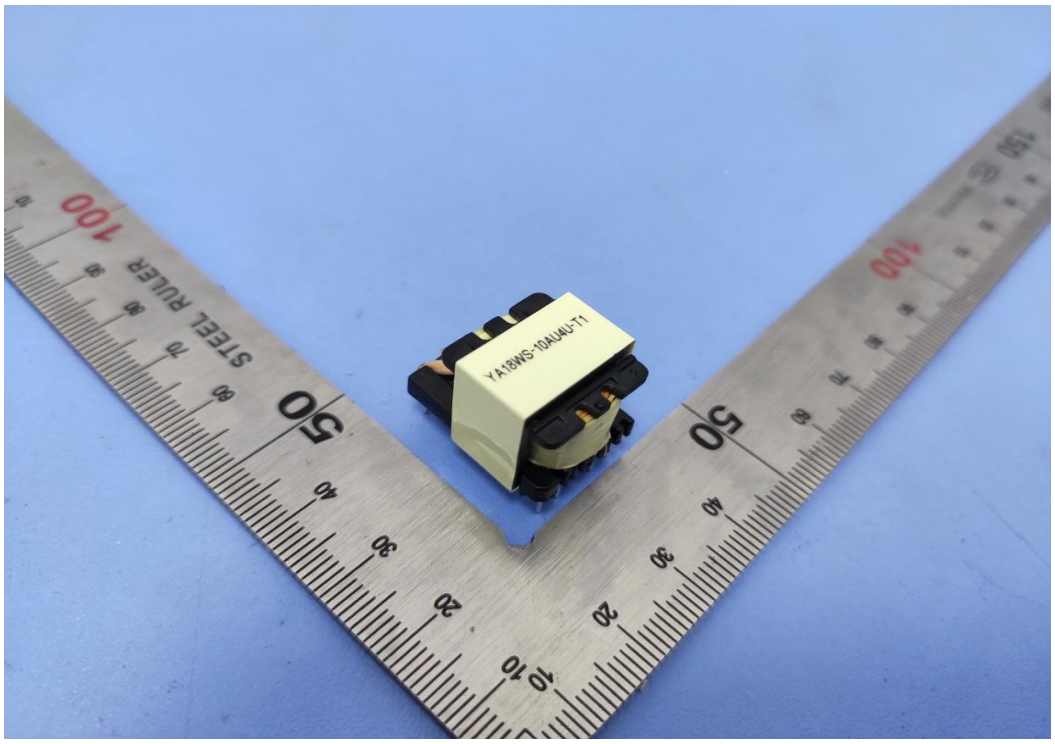
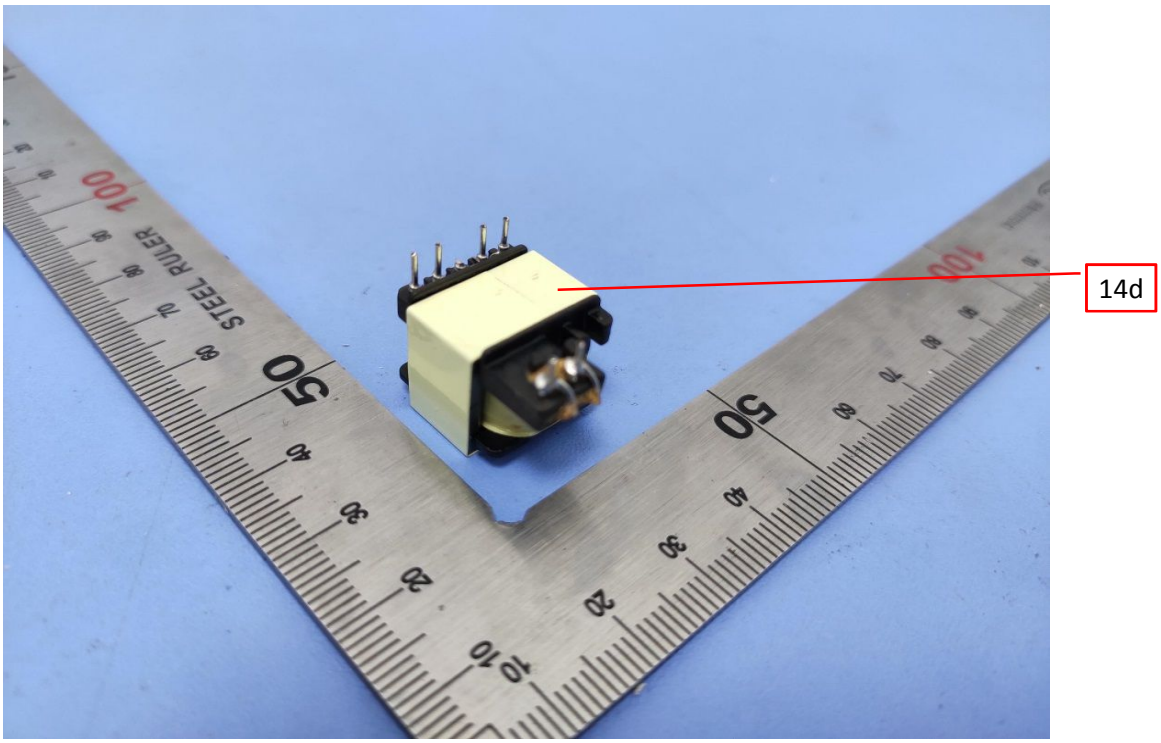


Photo 8 - Transformer view



3.0 Product Photographs

Photo 9 - Transformer view

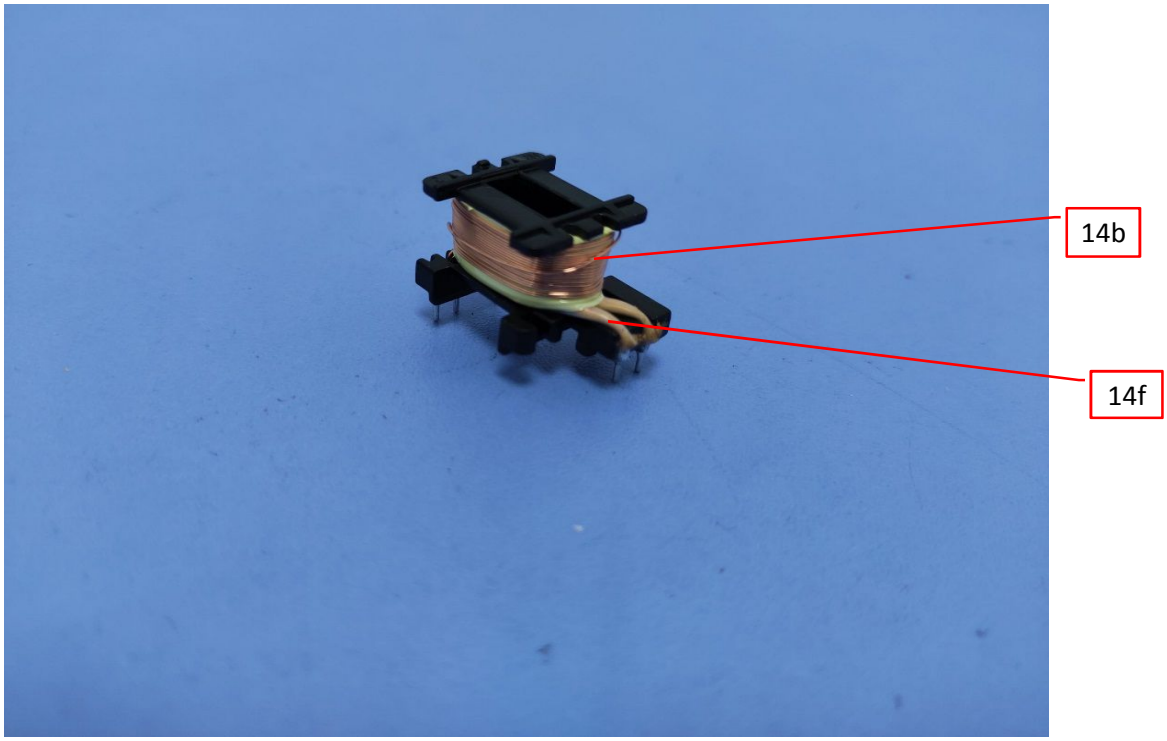
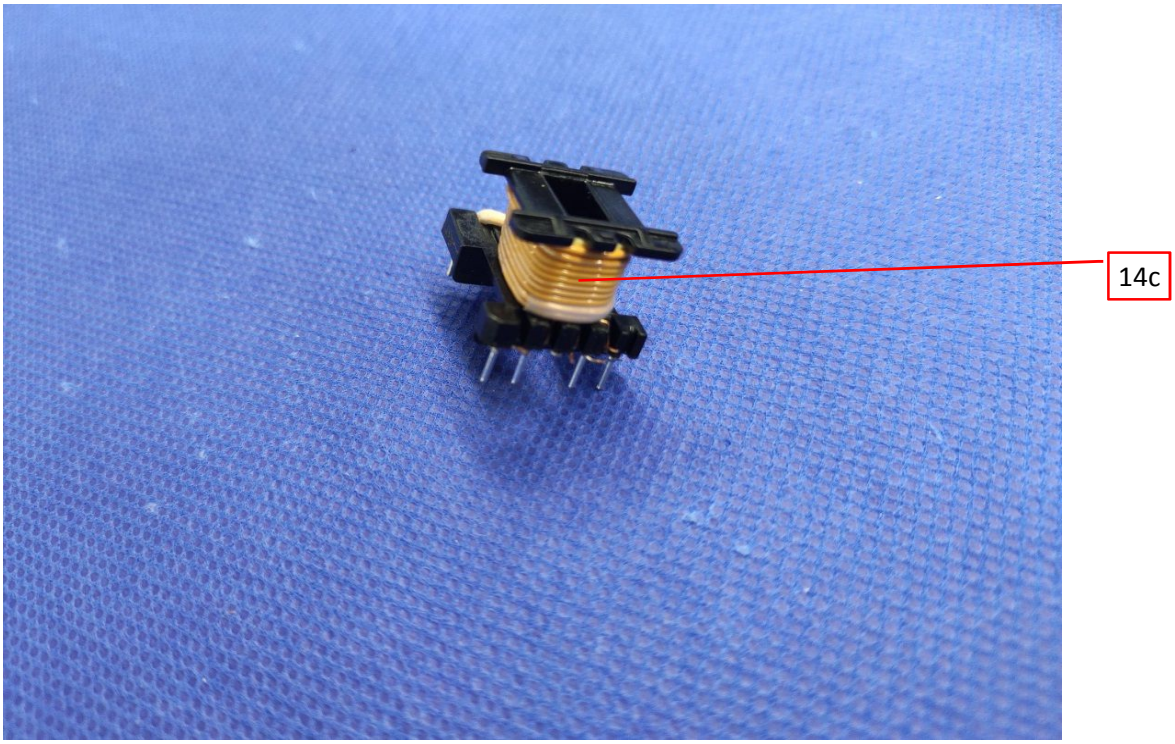


Photo 10 - Transformer view



3.0 Product Photographs

Photo 11 - Transformer view

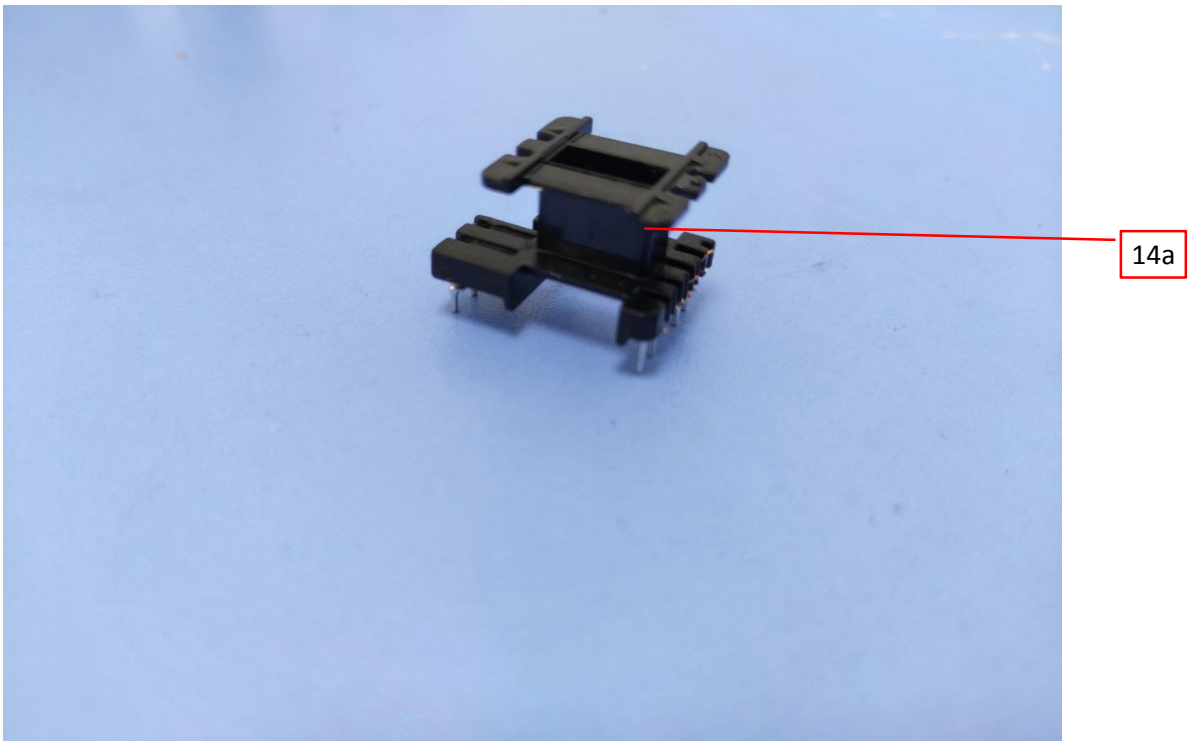
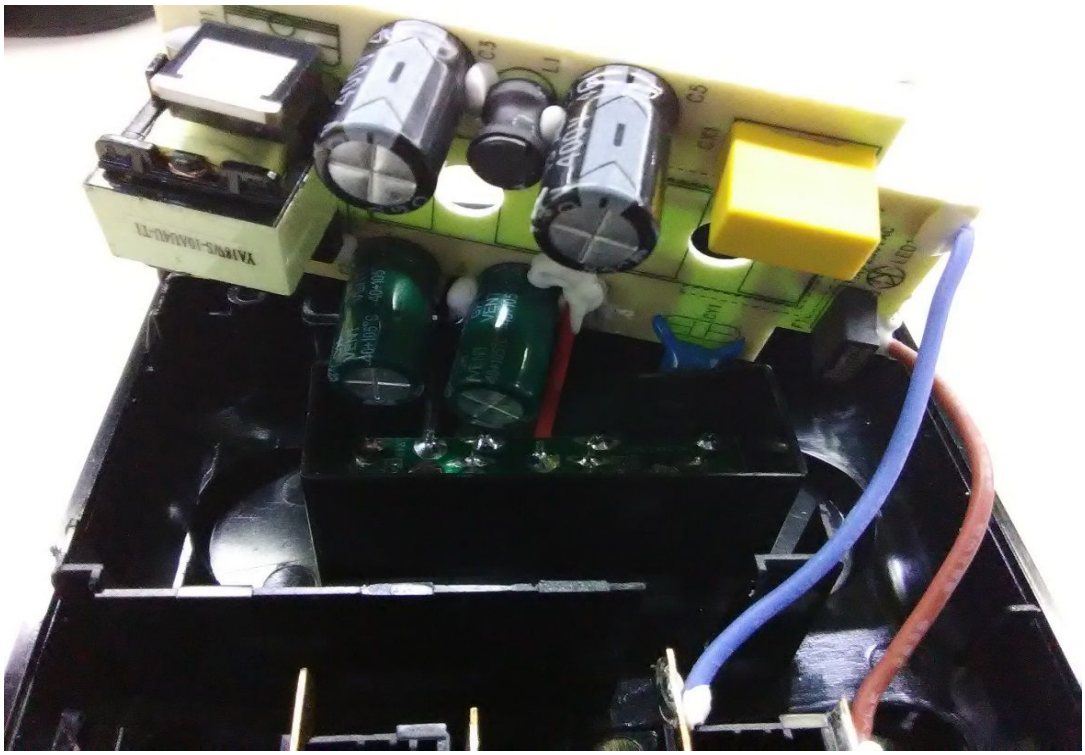


Photo 12 - Inner view

3.0 Product Photographs

Photo 13 - Inner view



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	Attachment plug	DELTA ELECTRONICS GROUP LTD	DB002	15A,125Vac, 5-15P configuration,connected with cord SJT 14AWGX3C, 300V, min.105°C, with length 1.5-25ft (0.46-7.62m)	cULus
1	2	Cord	CHING CHENG WIRE MATERIAL CO LTD	SJT	14AWGX3C, 300V, min.105°C, with length 1.5-25ft (0.46-7.62m)	cULus
			Various	SJT	14AWGX3C, 300V, min.105°C, with length 1.5-25ft (0.46-7.62m)	cULus
1	3	Enclosure	TEIJIN CHEMICALS PLASTIC COMPOUNDS SHANGHAI LTD	GN-34(pp)C(#)(f2)	PC material, minimum thickness 1.5mm, flame class V-0, HWI 2, HAI 0, CTI 3, RTI (130, 120, 130)°C	cURus
1	4	Supplementary protector	BLACK-STONE ELECTRONICS CO LTD	BS-028-1	15A,125Vac, shorct circuit 1000A, cycling trip free	cURus
3	5	Line and neutral contact	Various	H62	Copper alloy, minimum thickness 0.45mm	NR
3	6	Grounding contact	Various	H62	Copper alloy, minimum thickness 0.45mm	NR
4	7	Internal primary wire	SHENZHEN DINGYU ELECTRICAL TECHNOLOGY CO LTD	1015	VW-1, 600V, 14AWG, min. 105°C	cURus
			Various	1015	VW-1, 600V, 14AWG, min. 105°C	cURus
5	8	Optocoupler (U3)	EVERLIGHT ELECTRONICS CO LTD	EL1018	Double protection optical isolators, providing 5000 Vac isolation	cURus
5	9	PCB	DONGGUAN DONGHONGXIN ELECTRONICS CO LTD	DHXX2	V-0, 130°C; Thickness: 1.5mm	cURus
6	10	Internal wire	DONG GUAN SHENG PAI ELECTRIC WIRE & CABLE CO LTD	3239	200°C, 600V, VW-1, min. 22AWG	cURus
			Various	3239	200°C, 600V, VW-1, min. 22AWG , Fully comply with UL 758	cULus, cETLus or cCSAus

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]
6	11	Fuse (F1)	DONGGUAN CHEVRON ELECTRONIC TECHNOLOGY CO LTD	SET	T1AL, 250Vac, 5 x 4.0 x 8mm	cURus
			DONGGUAN HONGDA ELECTRONIC TECHNOLOGY CO LTD	2009	T1AL, 250Vac, 5 x 4.0 x 8mm	cURus
6	12	X-capacitor (CX1)	RUGAO SHUANGCHENG ELECTRONIC CO LTD	MKP	275VAC, 0.1uF, -40~110°C, X2	cURus
			HONGZHI ENTERPRISES LTD	MKP	275VAC, 0.1uF, -40~110°C, X2	cURus
6	13	Y-capacitor (CY1)	MACROFAR ELECTRONICS TECHNOLOGY (HK) LTD	HY	1000pF, Min. 250Vac, Y1, -25~125°C	cURus
			GCE (DONGGUAN) ELECTRONICS CO LTD	G	1000pF, Min. 250Vac, Y1, -25~125°C	cURus
6	14	Transformer(T1)	SHENZHEN HUA ZHI CHUANG ELECTRONIC TECHNOLOGY CO LTD	YA18WS-10AU4U	PC95 Core, Class 130 (B) insulation system, designated HZC-B	cURus
11	14a	Bobbin	SUMITOMO BAKELITE CO LTD	PM-9820	V-0, 130 ºC, Min thickness: 0.7mm	cURus
9	14b	Magnet wire	TAI-I ELECTRIC WIRE & CABLE CO LTD	UEW	130 ºc	cURus
			Various	MW 75C	130°C, Fully comply with ANSI/UL 1446	cULus, cETLus or cCSAus
10	14c	Triple insulation wire	FURUKAWA ELECTRIC CO	TEX-E	Reinforced insulation rated 130°C(Class B), 1.41KV peak for Information Technology Equipment	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]
8	14d	Insulating tape	JINGJIANG YAHUA PRESSURE SENSITIVE GLUE CO LTD	PZ* (b)	130°C	cURus
7	14e	Varnish (not shown)	SUZHOU TAIHU ELECTRIC ADVANCED MATERIAL CO LTD	T-4260(a)	MW 28-C, 130°C	cURus
9	14f	Teflon Tube	CHANGYUAN ELECTRONICS GROUP CO LTD	CB-TT-L	150V, 200°C	cURus

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.

5.0 Critical Unlisted CEC Components

No Unlisted CEC components are used in this report.

6.0 Critical Features
Recognized Component - A component part, which has been previously evaluated by an accredited certification body with restrictions and must be evaluated as part of the basic product considering the restrictions as specified by the Conditions of Acceptability. Listed Component - A component part, which has been previously Listed or Certified by an accredited Certification Organization with no restrictions and is used in the intended application within its ratings. Unlisted Component - A part that has not been previously evaluated to the appropriate designated component standard. It may also be a Listed or Recognized component that is being used outside of its evaluated Listing or component recognition. Critical Features/Components - An essential part, material, subassembly, system, software, or accessory of a product that has a direct bearing on the product's conformance to applicable requirements of the product standard.
Construction Details - For specific construction details, reference should be made to the photographs and descriptions. All dimensions are approximate unless specified as exact or within a tolerance. In addition to the specific construction details described in this Report, the following general requirements also apply.
1. Spacing - In primary circuits, 1.6 mm minimum spacing are maintained through air and over surfaces of insulating material between current-carrying parts of opposite polarity.
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 - All uninsulated live parts in primary circuitry are housed within a non-metallic enclosure constructed with no openings 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 or the equipment grounding terminal.
6. Polarized Connection - This product is provided with a polarized power supply connection. All single pole switches and fuses are connected only to the ungrounded supply circuit conductor.
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 Interal wiring is minimum 22AWG, with a minimum rating of 600V, 200°C.
8. Schematics - See illustration no 3-5 for details.
9. Markings - See illustration no 1 for for details.
10. Cautionary Markings - See illustration no 2 for for details.
11. Installation, Operating and Safety Instructions - N/A

7.0 Illustrations

Illustration 1- Marking

bototek® 15A 125Vac 1875W 60Hz Model : YA18WS-10AU4U USB Charger: USB Output: 5Vdc, 2.4A (each port) Total Output Current: 3.4A Max Date Code: 20YY/MM/DD	C ETL LISTED US Intertek 5017405 CONFORMS TO UL STD.1363 CERTIFIED TO CSA STD.C22.2#308

7.0 Illustrations

Illustration 2 - Caution

CAUTION:

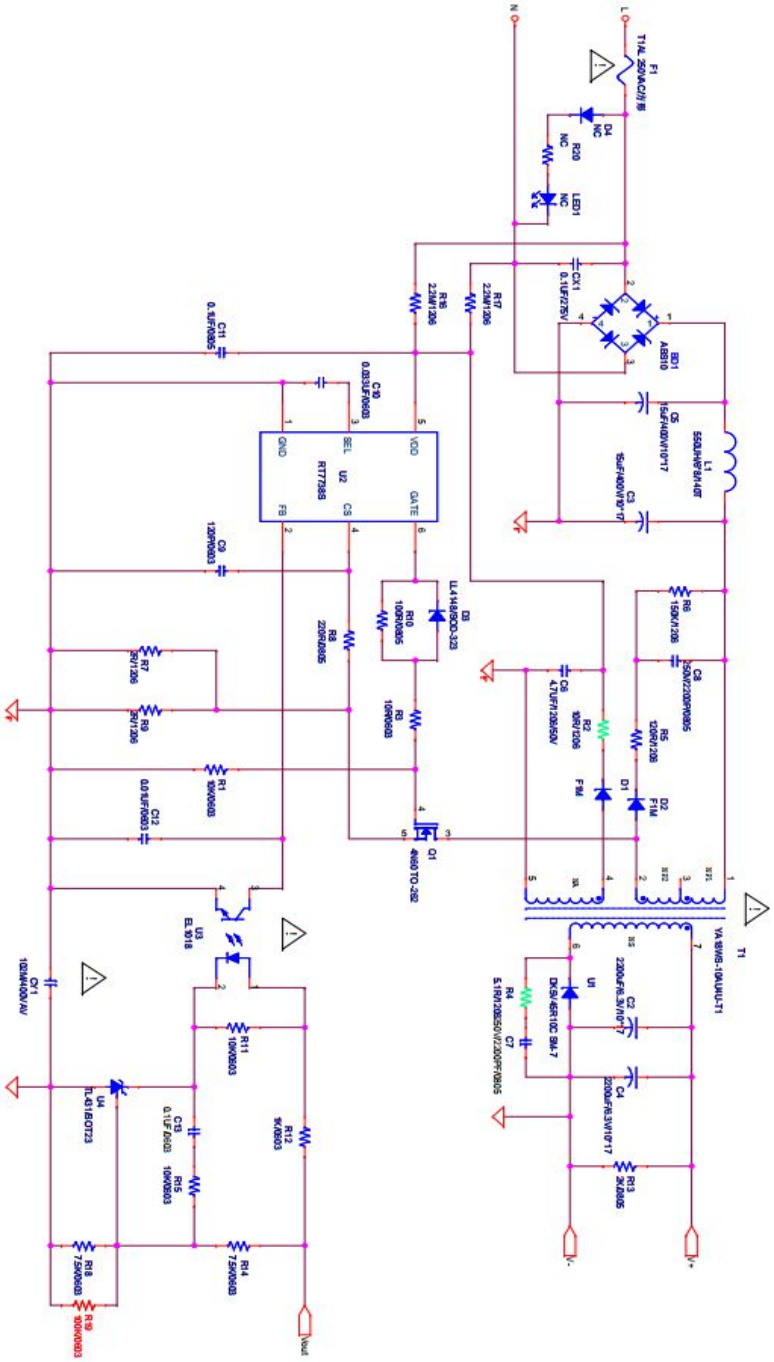
Keep Children Away
TO REDUCE THE RISK OF ELECTRIC SHOCK, USE ONLY INDOORS
RISK OF ELECTRIC SHOCK. DO NOT PLUG INTO ANOTHER RELOCATABLE POWER TAPS OR AN EXTENSION CORD.
USE ONLY IN DRY LOCATION

ATTENTION
ELOGIGANEZ LES ENFANTS
Pour réduire le d'électrocution,Pour Usage Ã L'Intérieur Seulement.
Risque de choc électrique. Ne pas brancher dans une autre source de courant portative ou une rallonge.
UTILISER UNIQUEMENT DANS DES EMPLACEMENTS SECS

Note:
1. For "CAUTION", it should be not less than 3/32 in (2.4 mm) high
2. For "REDUCE THE RISK OF ELECTRIC SHOCK, USE ONLY INDOORS", lettering should not be less than 3/32 inch (2.4mm) high

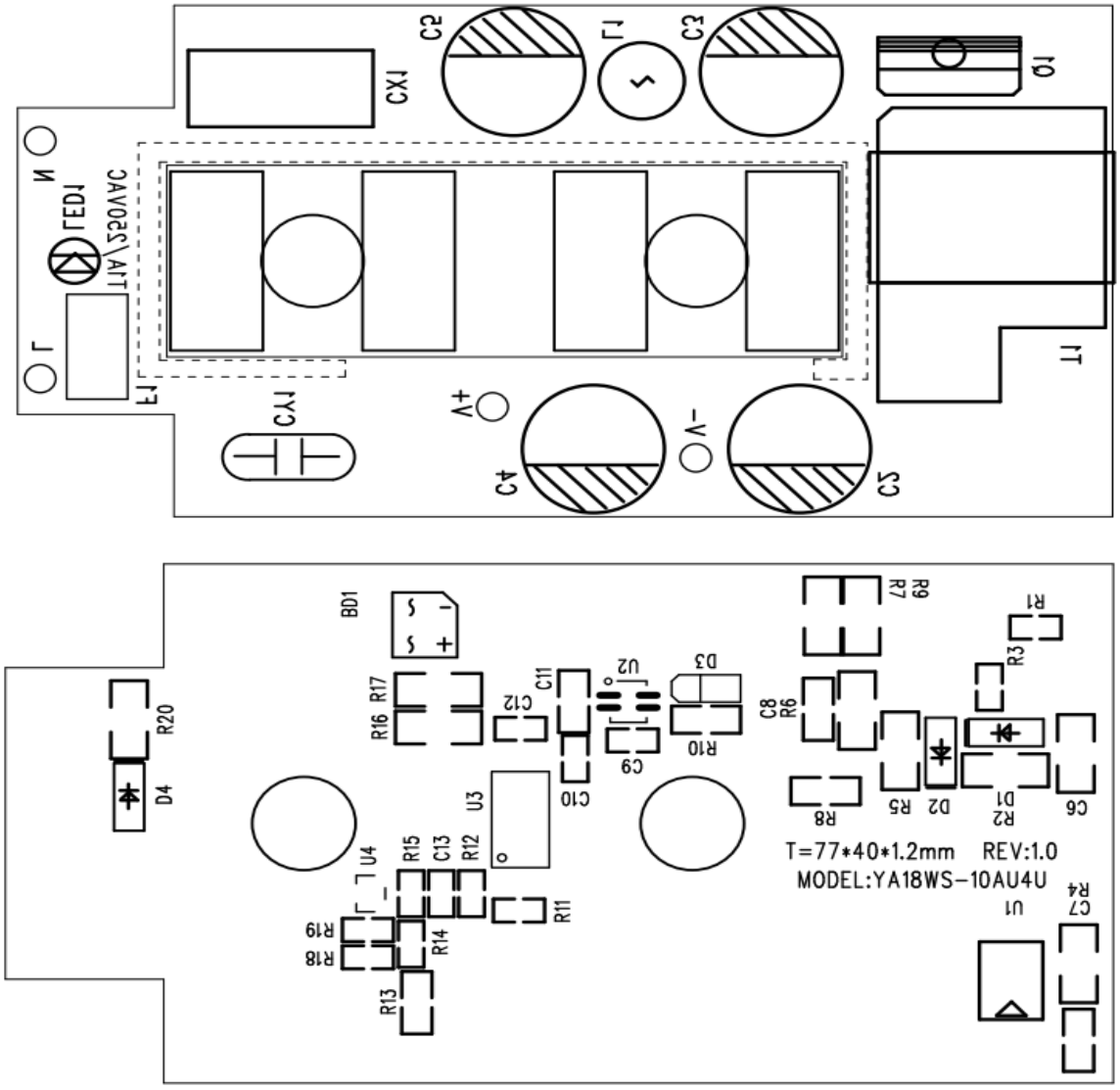
7.0 Illustrations

Illustration 3 - Circuit Diagram



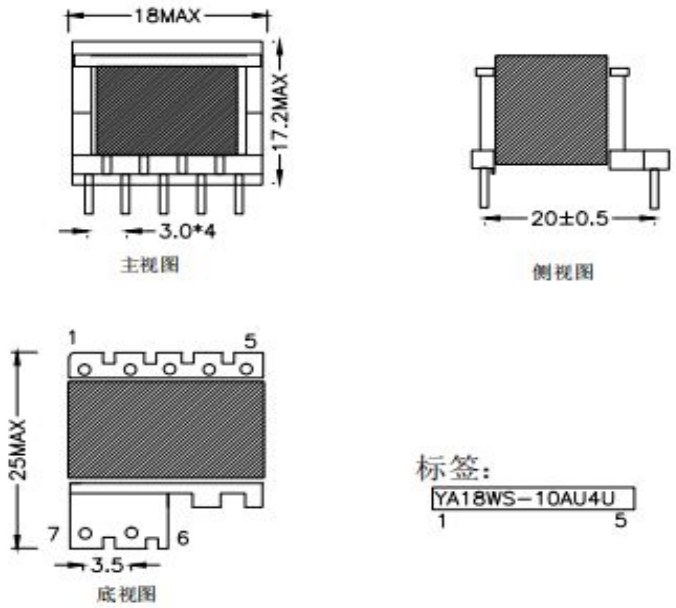
7.0 Illustrations

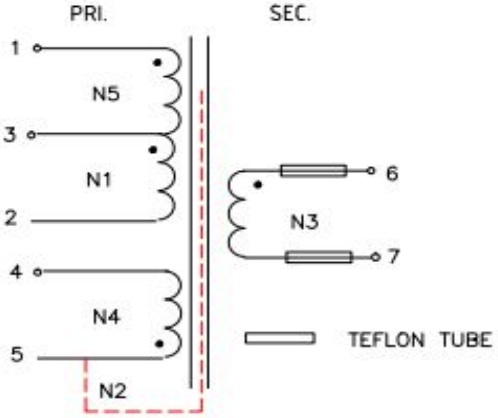
Illustration 4 - PCB Layout

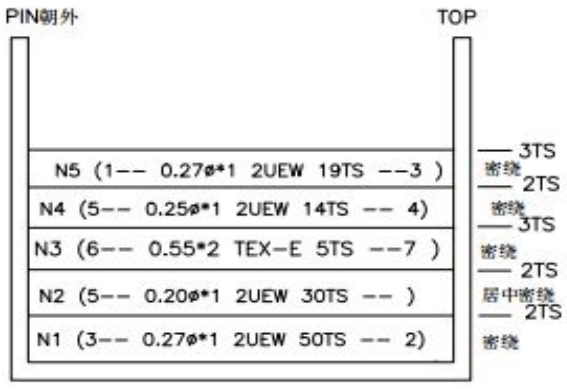


7.0 Illustrations

Illustration 5 - Transformer specification

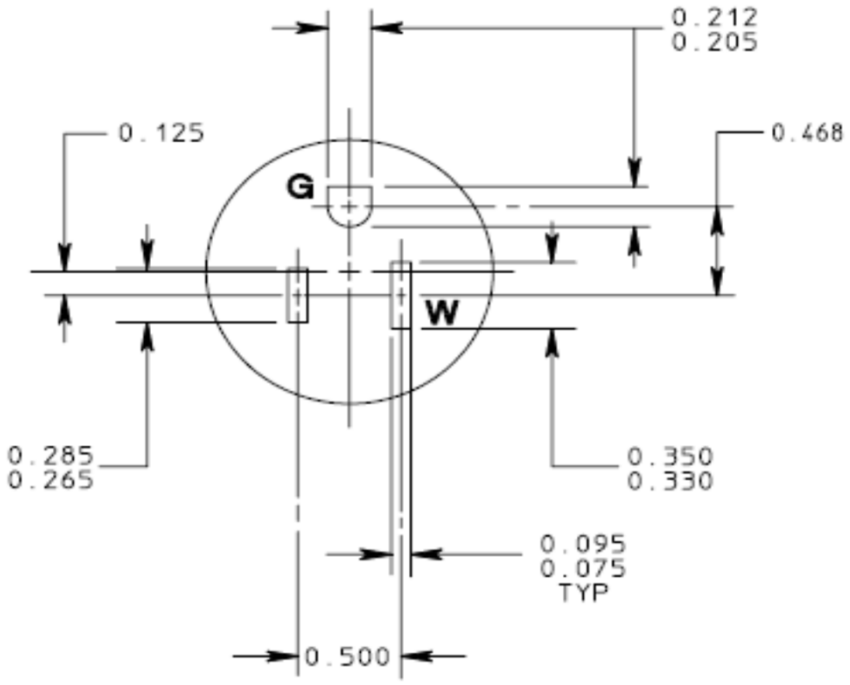






7.0 Illustrations

Illustration 6 - Receptacle standard sheet dimension requirement (unit:inch)



RECEPTACLE

8.0 Test Summary					
Evaluation Period	2020-04-15~2020-05-13			Project No.	200401396SHA
Sample Rec. Date	15-Apr-2020	Condition	Prototype	Sample ID.	0200415
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	UL 1363:2018 Ed.5 Clause	CSA C22.2#308:2018 Ed.2 Clause	
Temperature Test	30	8.6	
Dielectric Voltage-Withstand Test	31	8.3	
Leakage Current Test	32	8.7	
Grounding Continuity Test	33	-	
Mounting Hole Barrier Tests	36	-	
Strain Relief Test	37	-	
Impact Test	38	8.2	
Crushing Test	39	-	
Adequacy of Mounting Test	40	8.28	
Mold Stress-Relief Distortion Test	43	8.15	

Test Description	UL 498:2017 Ed.16+R:17Jan 2020 Clause	CSA C22.2#42:2010 Ed.7+U1;U2;U3 Clause	
Dielectric Withstand Test	65	8.21	
Insulation Resistance	67	8.5	
Conductor Secureness Test	68	-	
Retention of plugs Test	116	8.7	
Current Overload Test	117	8.8	
Retention of plugs Test (Repeated)	119	8.10	
Rsistance to Arcing	120	8.17	
Grounding Contact Test	125	8.16	

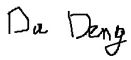
Below tests were conducted for class 2 power supply units, all tests refer to test report 200401397SHA-001 for detail.

Test Description	Audio/Video, Information And Communication Technology Equipment - Part 1: Safety Requirements [UL 62368-1:2014 Ed.2] Audio/Video, Information and Communication Technology Equipment - Part 1: Safety Requirements (R2019) [CSA C22.2#62368-1:2014 Ed.2]
Energy source classifications	4.2
Protection against energy sources	4.3
Classification and limits of electrical energy sources	5.2
Classification of power sources (PS) and potential ignition	6.2
10 N steady force test	4.6.2
Temperature test for insulating materials and touch	5.4.1.4, 9.0
Determination of working voltage test	5.4.1.8
Clearances and creepage distances measurement	5.4.2, 5.4.3
Solid insulation measurement	5.4.4
Humidity conditioning test	5.4.8

8.0 Test Summary	
Electric strength test	5.4.9
Safeguards against capacitance discharge test	5.5.2.2
Thermal energy source classifications	9.2
Input test	B.2.5
Simulated single fault conditions tes	B.4
Transformer overload tests	G.5.3
Steady force test – 10 N	T.2
Determination of accessible parts test	V.1

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:	Da Deng	Reviewed by:	Mathew Shen
Title:	Engineer	Title:	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	Yuyuanfeng Tech (Shenzhen) Co., Ltd.
Address	3-4F, BLDG4, Huimingsheng Industrial Park, Fuyong St., Bao'an Dist., Shenzhen City, Guangdong Province
Country	P.R.China
Product	Relocatable Power Taps with USB power supply

MULTIPLE LISTEE 1	None
Address	
Country	
Brand Name	
ASSOCIATED MANUFACTURER	
Address	
Country	

MULTIPLE LISTEE 1 MODELS	BASIC LISTEE MODELS

MULTIPLE LISTEE 2	None
Address	
Country	
Brand Name	
ASSOCIATED MANUFACTURER	
Address	
Country	

MULTIPLE LISTEE 2 MODELS	BASIC LISTEE MODELS

MULTIPLE LISTEE 3	None
Address	
Country	
Brand Name	
ASSOCIATED MANUFACTURER	
Address	
Country	

MULTIPLE LISTEE 3 MODELS	BASIC LISTEE MODELS

10.0 General Information

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

COMPONENTS

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

LISTING MARK

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

The mark must include the following four items:

1) applicable country identifiers "US" and/or "C" or "US", "C" and "EU"
2) the word "Listed" or "Classified" or "Recognized Component" (whichever is appropriate)
3) a control number issue 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. Angela Han
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, Grounding Continuity 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:

Product	Test Voltage	Test Time
Live parts of opposite polarity	1250V	60s
	or	
Live parts and grounding parts (grounding contact of receptacle)	1500V	1s

11.2 Grounding Continuity Test
Method Each product listed below shall be subjected to a test to determine that there is continuity between accessible dead-metal parts of the product and the grounding pin or blade of the attachment plug. If all accessible dead metal is connected, only a single test need be performed. A visual or audible device (ohmmeter, buzzer, etc.) may be used to indicate grounding continuity.
Products Requiring Grounding Continuity Test:
All products covered by this Report.

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