



The Hong Kong Certification Centre Ltd

Unit B, 10/F, Block 1, Tai Ping Industrial Centre, No. 57 Ting Kok Road, Tai Po, N. T., Hong Kong
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Date : 2022-04-22
File No. : L00599-1

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CERTIFICATION REPORT

SECTION A PRODUCT DESCRIPTION

ALTERATIONS

The following alterations, if any, are considered to be necessary for the Certified Product(s), for the purpose of fulfilling the requirements under the Hong Kong Safety Mark Scheme.

- Nil -

APPLICABLE REQUIREMENT

IEC62368-1:2018 - Audio/video, information and communication technology equipment –
Part 1: Safety requirements

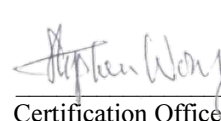
PRODUCT INFORMATION

The following descriptions apply to the model(s), type(s) and construction of the Certified Product(s).

1. PRODUCT COVERED:

- Model : GT*961600P****, GT*961800P****
- GT* can be “GTM”, “GT-“ or “GTH” for market identification.
- p****
- The 1st * can be 01 to 180, denotes the rated output power 1W to 180W with interval of 1W
 - The 2nd * can be 12 to 54 or 12.0 to 54.0, denotes the rated output voltage 12.0V to 54.0V with interval of 0.1V
 - The 3rd * can be as below :
 - 1) -T2 means desktop class II with C8 AC inlet
 - 2) -T2A means desktop class II with C18 AC inlet
 - 3) -T3 means desktop class I with C14 AC inlet
 - 4) -T3A means desktop class I with C6 AC inlet
 - The 4th * denoted any six character 0-9 or A-Z or () [] – or blank for marketing purpose

Reviewed By :


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SECTION A PRODUCT DESCRIPTION

Name of product : ICT/ITE Power Supply

Brand name : GlobTek

Note : Models GT*961600P**** and GT*961800P**** are identical product without construction difference.

1. PRODUCT COVERED:

Rating	: Input : 100-240V~, 50-60Hz, 2.2A Output : 12.0-54.0 Vdc, Max. 180W
Type of attachment	: Appliance inlet
Protection class	: Class I or Class II
Degree of water / moisture protection	: IPX0
Operation altitude	: Max. 5000m
Operation ambient	: 40°C
Subscriber	: GlobTek , Inc
Factory	: GlobTek (Suzhou) Co., Ltd.

2. PRODUCT APPEARANCE:

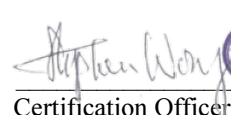
General description	: The unit is a switching mode power supply. It is provided with an appliance inlet for power supply and a non-detachable power cord with connector for DC output.
Enclosure material	: All in plastic
Color / Pattern	: Black, grey or white
Accessories included	: Nil

3. GENERAL CONSTRUCTIONS :

3.1 ENCLOSURE

Assembly	: The enclosure consists of top and bottom enclosures. Both of them are plastic molded and assembled together by 4 screws. The appliance inlet and cord guard are secured by the notch at both end of the casing respectively.
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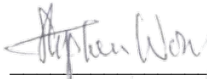
SECTION A PRODUCT DESCRIPTION

- Dimensions of openings : Nil
- Minimum thickness of enclosure : 2.0 mm minimum
- Internal structure : Inside the unit, there is a printed circuit board which is in appropriate size that it is well fitted inside the enclosure. The appliance inlet, power supply cord and output wires are soldered on both end of the board for power supply and DC output.
- Product marking : Black or grey plastic label with light grey or white printing,, and/or pad printed, and/or molded, and/or laser engraved on the case with text color of white, silver or grey.

3.2 POWER SUPPLY CONNECTION

- Power supply : See critical component list
- Connection : i/p - Appliance inlet or power supply cord
o/p - Non-detachable power cord with connector
- Bushing / Cord anchorage : For output cord, integral molded bushing and cord guard.
- Internal wiring : All components are soldered on the PCB

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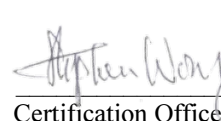
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SECTION A PRODUCT DESCRIPTION

3.3 CRITICAL COMPONENTS

Critical Components					
Component Name	Manufacturer name/ Trademark	Model / Type Designation	Technical Data (specification and connection detail)	Standard	Mark(s) of Conformity *
Enclosure	Sabic Innovative Plastics BV	C2950, CX7211, 945, HF500R	PC/ABS, Min. V-0, Min. thickness : 2.0mm, Min. 90°C	IEC 62368-1	Tested with appliance UL E45329
Enclosure (alternate)	Sabic Japan LLC	C2950, CX7211, 945, HF500R	PC/ABS, Min. V-0, Min. thickness : 2.0mm, Min. 90°C	IEC 62368-1	Tested with appliance UL E207780
Enclosure (alternate)	Covestro Deutschland AG (PC Resins)	6485+	PC, Min. V-0, Min. thickness : 2.0mm, 115°C	IEC 62368-1	Tested with appliance UL E41613
Enclosure (alternate)	Teijin Limited Resin and Plastic	LN-1250G	PC, Min. V-0, Min. thickness : 2.0mm, 115°C	IEC 62368-1	Tested with appliance UL E50075
Output Cord	Suzhou Diode Electronics Co. Ltd.	1185, 2462, 2468, SPT-1, SVT	14-22 AWG, 2-6 wires, 300V, Min. 80°C, VW-1 supplied with a stripped and tinned connection, or any style DC output connector	IEC 62368-1	Tested with appliance UL E336191 E336192
Output Cord (alternate)	Zhuang Shan Chuan Electrical Products (Kunshan) Co. Ltd.	1185, 2462, 2468, SPT-1, SVT	14-22 AWG, 2-6 wires, 300V, Min. 80°C, VW-1 supplied with a stripped and tinned connection, or any style DC output connector	IEC 62368-1	Tested with appliance UL E333601 E333536
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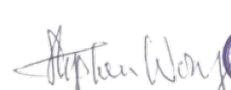
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3.3 CRITICAL COMPONENTS

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Component Name	Manufacturer name/ Trademark	Model / Type Designation	Technical Data (specification and connection detail)	Standard	Mark(s) of Conformity *
Output Cord (alternate)	Suzhou Jiahuishu Electronic Co. Ltd.	1185, 2462, 2468,	14-22 AWG, 2-6 wires, 300V, Min. 80°C, VW-1 supplied with a stripped and tinned connection, or any style DC output connector	IEC 62368-1	Tested with appliance UL E353532
Output Cord (alternate)	Globtek Inc	1185, 2462, 2468, SPT-1, SVT	14-22 AWG, 2-6 wires, 300V, Min. 80°C, VW-1 supplied with a stripped and tinned connection, or any style DC output connector	IEC 62368-1	Tested with appliance UL E464257 E245414
Output Cord (alternate)	Interchangeable	Interchangeable	14-22 AWG, 2-6 wires, 300V, Min. 80°C, VW-1 supplied with a stripped and tinned connection, or any style DC output connector	IEC 62368-1	Tested with appliance
Mylar Insulating Sheet	Toray Industries Inc Film Div	Lumirror H10	VTM-2, Min. 0.4mm thick, 105°C	IEC 62368-1	Tested with appliance UL E86511
Mylar Insulating Sheet (alternate)	SKC Co. Ltd.	SH71S	VTM-2, Min. 0.4mm thick, 105°C	IEC 62368-1	Tested with appliance UL E74359
Mylar Insulating Sheet (alternate)	FORMEX, DIV OF IL TOOL WORKS INC, FRMRLY FASTEX, DIV OF IL TOOL WORKS INC	FORMEX GK series	V-0, min. 0.4mm thick, 130°C	IEC 62368-1	Tested with appliance UL E121855

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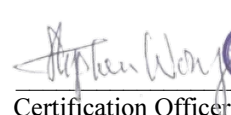
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3.3 CRITICAL COMPONENTS

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Component Name	Manufacturer name/ Trademark	Model / Type Designation	Technical Data (specification and connection detail)	Standard	Mark(s) of Conformity *
Mylar Insulating Sheet (alternate)	Sabic InnovJapanUS LLC	FR60 series, FR63 series, FR65 series, FR7 series, FR700 series	V0, Min. 0.4mm thick, 130°C	IEC 62368-1	Tested with appliance UL E207780
Mylar Insulating Sheet (alternate)	Chengdu Kanglongxin Plastics Co. Ltd.	KLX PP WT-10 series	VTM-0, Min. 0.4mm thick, 110°C	IEC 62368-1	Tested with appliance UL E315185
Mylar Insulating Sheet (alternate)	Sichuan Longhua Film Co. Ltd.	PP-(i)(j)	V-0, Min. 0.4mm thick, 105°C	IEC 62368-1	Tested with appliance UL E254551
AC inlet (Class I)	Leci Electronics Co. Ltd.	DB-6	250Vac, 2.5A, 75°C Standard sheet : C6	IEC/EN 60320-1	VDE 40032465
AC inlet (Class I) (alternate)	Tecx-Unions Technology Corp.	TU-333			ENEC 00633
AC inlet (Class I) (alternate)	Rich Bay Co. Ltd.	R-30790			VDE 40030381
AC inlet (Class I) (alternate)	Sun Fair Electric Wire & Cable (HK) Co. Ltd.	S-02			VDE 40034448
AC inlet (Class I) (alternate)	Inalways Corporation	0724			ENEC/FI 2010080
AC inlet (Class I) (alternate)	Zhe Jiang Bei Er Jia	ST-A04-002			VDE 40016045
AC inlet (Class I) (alternate)	Rong Feng Industrial Co. Ltd.	RF-190			VDE 40030379
AC inlet (Class I)	Leci Electronics Co. Ltd.	DB-14	250Vac, 10A, 75°C Standard sheet : C14	IEC/EN 60320-1	VDE 40032137
AC inlet (Class I) (alternate)	Tecx-Unions Technology Corp.	TU-301-S, TU-301-SP			ENEC 00647
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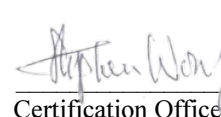
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3.3 CRITICAL COMPONENTS

Critical Components					
Component Name	Manufacturer name/ Trademark	Model / Type Designation	Technical Data (specification and connection detail)	Standard	Mark(s) of Conformity *
AC inlet (Class I) (alternate)	Rich Bay Co. Ltd.	R-301SN	250Vac, 10A, 75°C Standard sheet : C14	IEC/EN 60320-1	VDE 40030228
AC inlet (Class I) (alternate)	Sun Fair Electric Wire & Cable (HK) Co. Ltd.	S-03			VDE 40034447
AC inlet (Class I) (alternate)	Inalways Corporation	0711			ENEC/FI 2010084
AC inlet (Class I) (alternate)	Zhe Jiang Bei Er Jia	ST-A04-003J			VDE 40013388
AC inlet (Class I) (alternate)	Rong Feng Industrial Co. Ltd.	SS-120			VDE 40028101
AC inlet (Class II,) (alternate)	Leci Electronics Co. Ltd.	DB-8	250Vac, 2.5A, 75°C Standard sheet : C8	IEC/EN 60320-1	VDE 40032028
AC inlet (Class II) (alternate)	Kunshan DLK Electronics Technology Co. Ltd.	CDJ-8			VDE 40025531
AC inlet (Class II) (alternate)	Rich Bay Co. Ltd.	R-201SN90			VDE 40030384
AC inlet (Class II) (alternate)	Sun Fair Electric Wire & Cable (HK) Co. Ltd.	S-01			VDE 40034449
AC inlet (Class II) (alternate)	Inalways Corporation	0721			ENEC/FI 2010087
AC inlet (Class II) (alternate)	Zhe Jiang Bei Er Jia	ST-A03-005			VDE 40014833
AC inlet (Class II) (alternate)	Rong Feng Industrial Co. Ltd.	RF-180			VDE 40030168
AC inlet (Class II) (alternate)	HCR Electronics Co. Ltd.	SK05	250Vac, 10A, 75°C Standard sheet : C18	IEC/EN 60320-1	ENEC NO4018

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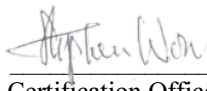
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3.3 CRITICAL COMPONENTS

Critical Components					
Component Name	Manufacturer name/ Trademark	Model / Type Designation	Technical Data (specification and connection detail)	Standard	Mark(s) of Conformity *
PCB	Walex Electronic (WUXI) Co. Ltd.	T2, T2A, T2B, T4	Min. 1.6mm thickness, min. V-0, 130°C	IEC 62368-1	Tested with appliance UL E154355
PCB (alternate)	Yuanman Printed Circuit Co. Ltd.	1V0			Tested with appliance UL E74757
PCB (alternate)	Kunshan City Qiandeng Wuqiao Electrical Appliance Factory	WQ-A WQ-B WQ-C			Tested with appliance UL E492425
PCB (alternate)	Jiangxi Zhong Xin Hua Electronics Industry Co. Ltd.	ZXH-2			Tested with appliance UL E331298
PCB (alternate)	Shenzhen Jia Li Chuang Technology Development Co. Ltd.	JLC-2			Tested with appliance UL E479892
PCB (alternate)	Guangdong Hetong Technology Co. Ltd.	CEM1, 2V0, FR4			Tested with appliance UL E243157
PCB (alternate)	Cheerful Plastic Electronic Products	02, 03, 03A			Tested with appliance UL E199724
PCB (alternate)	Jiangsu Difeida Electronics Co. Ltd.	DFD-1			Tested with appliance UL E213009
PCB (alternate)	Dongguan Daysun Electronic Co. Ltd.	DS2			Tested with appliance UL E251754
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3.3 CRITICAL COMPONENTS

Critical Components					
Component Name	Manufacturer name/ Trademark	Model / Type Designation	Technical Data (specification and connection detail)	Standard	Mark(s) of Conformity *
PCB (alternate)	Suzhou City Yilihua Electronics Co. Ltd.	YLH-1	Min. 1.6mm thickness, min. V-0, 130°C	IEC 62368-1	Tested with appliance UL E251781
PCB (alternate)	Dafeng Arex Electronics Technology Co. Ltd.	02V0, 03V0, 04V0			Tested with appliance UL E186016
PCB (alternate)	Brite Plus Electronics (Suzhou) Co. Ltd.	DKV0-3A, DGV0-3A			Tested with appliance UL E177671
PCB (alternate)	Kuotiang Ent Ltd.	C-2, C-2A			Tested with appliance UL E227299
PCB (alternate)	Shenzhen Tongchuangxin Electronics Co. Ltd.	TCX			Tested with appliance UL E250336
PCB (alternate)	Pacific Win Industrial Ltd.	PW-02, PW-03			Tested with appliance UL E228070
PCB (alternate)	Shanghai H-Fast Electronics Co. Ltd.	211001 411001			Tested with appliance UL E337862
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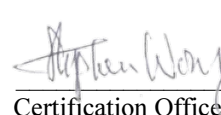
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3.3 CRITICAL COMPONENTS

Critical Components					
Component Name	Manufacturer name/ Trademark	Model / Type Designation	Technical Data (specification and connection detail)	Standard	Mark(s) of Conformity *
Fuse (F1, F2) (F2 optional)	Conquer Electronics Co. Ltd.	MST series	T4A, 250V	IEC 60127-1 IEC 60127-3	VDE 40017118
Fuse (F1, F2) (F2 optional) (alternate)	Suzhou Walter Electronics Co. Ltd.	2010			VDE 40018781
Fuse (F1, F2) (F2 optional) (alternate)	Zhongshan Lanbao Electrical Appliances Co Ltd	RTI-10 series			VDE 40017009
Fuse (F1, F2) (F2 optional) (alternate)	Bel Fuse Ltd.	RST series			VDE 40011144
Fuse (F1, F2) (F2 optional) (alternate)	Cooper Bussmann LLC	SS-5			VDE 40015513
Fuse (F1, F2) (F2 optional) (alternate)	Dongguan Better Electronics Technology Co. Ltd.	932			VDE 40033369
Fuse (F1, F2) (F2 optional) (alternate)	Shenzhen Lanson Electronics Co. Ltd.	SMT			VDE 40012592
Fuse (F1, F2) (F2 optional) (alternate)	Conquer Electronics Co. Ltd.	MET series			VDE 40017157
Fuse (F1, F2) (F2 optional) (alternate)	Suzhou Walter Electronic Co. Ltd.	2000			VDE 40018790
X-capacitor (CX1)	Tenta Electric Industrial Co. Ltd.	MEX			Max 0.47μF, Min. 250V, 100°C, X1 or X2
X-capacitor (CX1) (alternate)	Cheng Tung Industrial Co. Ltd.	CTX	ENEC 02671		
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X-capacitor (CX1) (alternate)	Joey Electronics (Dong Guan) Co. Ltd.	MPX	Max 0.47μF, Min. 250V, 100°C, X1 or X2	IEC/EN 60384-14	VDE 40032481
X-capacitor (CX1) (alternate)	Ultra Tech Xiphi Enterprise Co. Ltd.	HQX			VDE 40015608
X-capacitor (CX1) (alternate)	Yuo Yu Electronics Co. Ltd.	MPX			VDE 40032392
X-capacitor (CX1) (alternate)	Sinhua Electronics (Huzhou) Co. Ltd.	MPX			VDE 40014686
X-capacitor (CX1) (alternate)	Jiangsu Xinghua Huayu Electronics Co. Ltd.	MPX			VDE 40022417
X-capacitor (CX1) (alternate)	Dain Electronics Co. Ltd.	MEX, MPX, NPX			VDE 40018798
X-capacitor (CX1) (alternate)	Shenzhen Jinghao Capacitor Co. Ltd.	CBB62B			VDE 40018690
X-capacitor (CX1) (alternate)	Xiangtai Electronic (Shenzhen) Co. Ltd.	MKP, MPX			VDE 40036065
X-capacitor (CX1) (alternate)	Carli Electronics Co. Ltd.	MPX			VDE 40008520
X-capacitor (CX1) (alternate)	Shantou High-New Technology Dev. Zone Songtian Enterprise Co. Ltd.	MPX			VDE 40034679
X-capacitor (CX1) (alternate)	Hua Jung Components Co. Ltd.	MKP			ENEC 2001341
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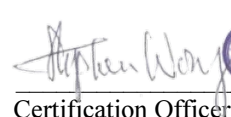
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Y-Capacitor (CY1, CY2) (CY2 Optional)	TDK Corporation Honjo Factory	CD	Y1, AC250V Max. 2200pF (for class I models) Max. 1500pF (for class II models) 25/125/21/B	IEC/EN 61384-14	VDE 40029780
Y-Capacitor (CY1, CY2) (CY2 Optional) (alternate)	Murata Mfg Co Ltd	KX	Y1, AC250V Max. 2200pF (for class I models) Max. 1500pF (for class II models) 25/125/21/B	IEC/EN 61384-14	VDE 40002831
Y-Capacitor (CY1, CY2) (CY2 Optional) (alternate)	Success Electronics Co Ltd	SE, SB	Y1, AC250V Max. 2200pF (for class I models) Max. 1500pF (for class II models) 30/125/56/C	IEC/EN 61384-14	VDE 40037211 40037221
Y-Capacitor (CY1, CY2) (CY2 Optional) (alternate)	Walsin Technology Corp	AH	Y1, AC250V Max. 2200pF (for class I models) Max. 1500pF (for class II models) 25/125/21/C	IEC/EN 61384-14	VDE 40001804
Y-Capacitor (CY1, CY2) (CY2 Optional) (alternate)	Haohua Electronic Co	CT7	Y1, AC250V Max. 2200pF (for class I models) Max. 1500pF (for class II models) 30/125/56/C	IEC/EN 61384-14	VDE 40003902
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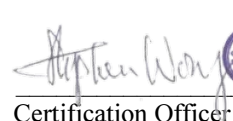
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3.3 CRITICAL COMPONENTS

Critical Components					
Component Name	Manufacturer name/ Trademark	Model / Type Designation	Technical Data (specification and connection detail)	Standard	Mark(s) of Conformity *
Y-Capacitor (CY1, CY2) (CY2 Optional) (alternate)	Xiangtai Electronics (Shenzhen) Co. Ltd.	YO-series	Y1, AC250V Max. 2200pF (for class I models) Max. 1500pF (for class II models) 30/125/56/C	IEC/EN 61384-14	VDE 40036880
Y-Capacitor (CY1, CY2) (CY2 Optional) (alternate)	Jyh Chung Electronic Co. Ltd.	JD	Y1, AC250V Max. 2200pF (for class I models) Max. 1500pF (for class II models) 30/125/56/C	IEC/EN 61384-14	VDE 137027
Y-Capacitor (CY1, CY2) (CY2 Optional) (alternate)	Welson Industrial Co. Ltd.	WD	Y1, AC250V Max. 2200pF (for class I models) Max. 1500pF (for class II models) 30/125/56/C	IEC/EN 61384-14	VDE 40016157
Y-Capacitor (CY1, CY2) (CY2 Optional) (alternate)	Shantou High-New Technology Dev. Zone Songtian Enterprise Co. Ltd.	CD-series	Y1, AC250V Max. 2200pF (for class I models) Max. 1500pF (for class II models) 30/125/56/C	IEC/EN 61384-14	VDE 40025754
Y-Capacitor (CY1, CY2) (CY2 Optional) (alternate)	Shantou High-New Technology Dev. Zone Songtian Enterprise Co. Ltd.	CE-series	Y1, AC250V Max. 2200pF (for class I models) Max. 1500pF (for class II models) 30/125/56/C	IEC/EN 61384-14	VDE 40025748
* An asterisk indicates a mark which assures the agreed level of surveillance					

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Certification Officer





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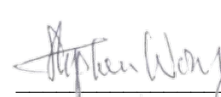
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SECTION A PRODUCT DESCRIPTION

3.3 CRITICAL COMPONENTS

Critical Components					
Component Name	Manufacturer name/ Trademark	Model / Type Designation	Technical Data (specification and connection detail)	Standard	Mark(s) of Conformity *
Transformer (T1)	GlobTek / BOAM / HAOPUWEI	TF081(12.0- 14.9V) TF082(13.4- 14.9V) TF083(15.0- 18.9V) TF084(17.0- 18.9V) TF085(19.0- 23.9V) TF086(21.5- 23.9V) TF087(24.0- 31.9V) TF088(27.6- 31.9V) TF089(32.0- 41.9V) TF090(36.5- 41.9V) TF091(42.0- 47.9V) TF092(48.0- 54.0V)	Class B	IEC 62368-1	Tested with appliance
- Insulation system of T1	GlobTek	GTX-130-TM	Class 130 (B)	IEC 62368-1	Tested with appliance
- Insulation system of T1 (alternate)	Haopuwei	GTX-130-TM			Tested with appliance
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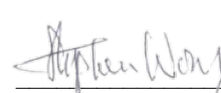
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SECTION A PRODUCT DESCRIPTION

3.3 CRITICAL COMPONENTS

Critical Components					
Component Name	Manufacturer name/ Trademark	Model / Type Designation	Technical Data (specification and connection detail)	Standard	Mark(s) of Conformity *
- Insulation system of T1 (alternate)	Haopuwei	ZT-130	Class 130 (B)	IEC 62368-1	Tested with appliance
- Insulation system of T1 (alternate)	BOAM	BOAM-01, B01			Tested with appliance
- Magnet wire of T1	Pacific Electric Wire & Cable (Shenzhen) Co. Ltd.	UEWN/U	MW28-C, 130°C	IEC 62368-1	Tested with appliance UL E201757
		UEWS/U	MW75-C, 130°C		
- Magnet wire of T1 (alternate)	Boluo County Pengcheng Copper Co. Ltd.	2UEW-F	MW79-C, 155°C	IEC 62368-1	Tested with appliance UL E229423
- Magnet wire of T1 (alternate)	Jung Shing Wire Co. Ltd.	UEW-4	MW75-C, 130°C	IEC 62368-1	Tested with appliance UL E174837
		UEY-2	MW28-C, 130°C		
- Magnet wire of T1 (alternate)	Jiangsu Hongliu Magnet Wire Technology Co. Ltd.	2UEW/130	MW75-C, 130°C	IEC 62368-1	Tested with appliance UL E335065
- Magnet wire of T1 (alternate)	Wuxi Jufeng Compound Line Co. Ltd.	2UEWB	MW75#, 130°C	IEC 62368-1	Tested with appliance UL E206882
- Magnet wire of T1 (alternate)	Jiangsu Dartong M & E Co. Ltd.	UEW	MW75-C, 130°C	IEC 62368-1	Tested with appliance UL E237377
- Magnet wire of T1 (alternate)	Shandong Siant Electric Co. Ltd.	UEW/130	MW75#, 130°C	IEC 62368-1	Tested with appliance UL E194410
- Magnet wire of T1 (alternate)	Zhejiang Langli Electric Equipments Co. Ltd.	UEW	MW79#, 130°C	IEC 62368-1	Tested with appliance UL E222214
- Magnet wire of T1 (alternate)	Ningbo Jintian New Material Co. Ltd.	2UEW	MW75-C, 130°C	IEC 62368-1	Tested with appliance UL E227047
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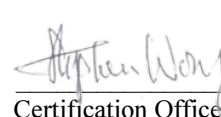
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SECTION A PRODUCT DESCRIPTION

3.3 CRITICAL COMPONENTS

Critical Components					
Component Name	Manufacturer name/ Trademark	Model / Type Designation	Technical Data (specification and connection detail)	Standard	Mark(s) of Conformity *
- Triple-insulated wire (Secondary of T1)	Great Leoflon Industrial Co Ltd	TRW(B)	Class B	IEC 62368-1	VDE 136581
- Triple-insulated wire (Secondary of T1) (alternate)	COSMOLINK Co. Ltd.	TIW-M			VDE 138053
- Triple-insulated wire (Secondary of T1) (alternate)	Furukawa Electric Co Ltd	TEX-E			VDE 006735
- Triple-insulated wire (Secondary of T1) (alternate)	Totoku Electric Co Ltd	TIW-2			VDE 40044910
- Triple-insulated wire (Secondary of T1) (alternate)	E&B Technology Co. Ltd.	E&B-XXXB E&B-XXXB-1			VDE 40023473
- Triple-insulated wire (Secondary of T1) (alternate)	Changyuan Electronics (Shenzhen) Co. Ltd.	CB-TIW			Tested with appliance UL E249037
- Triple-insulated wire (Secondary of T1) (alternate)	Shenzhen Jiuding New Material Co. Ltd.	DTIW-B			VDE 40037495
- Bobbin of T1	Chang Chun Plastics Co. Ltd.	T375J T375HF	V-0, 150°C, thickness 0.45mm min	IEC 62368-1	Tested with appliance UL E59481
		4130	V-0, 140°C, thickness 0.74mm min		
- Bobbin of T1 (alternate)	Sumitomo Bakelite Co. Ltd.	PM-9820 PM-9823	V-0, 150°C, thickness 0.45mm min	IEC 62368-1	Tested with appliance UL E41429
- Bobbin of T1 (alternate)	Showa Denko Materials Techno Service Co. Ltd.	CP-J-8800	V-0, 150°C, thickness 0.45mm min	IEC 62368-1	Tested with appliance UL E514814
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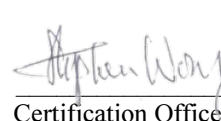
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SECTION A PRODUCT DESCRIPTION

3.3 CRITICAL COMPONENTS

Critical Components					
Component Name	Manufacturer name/ Trademark	Model / Type Designation	Technical Data (specification and connection detail)	Standard	Mark(s) of Conformity *
- Insulating tape of T1	3M Company	1350F-1, 1350T-1, 44	Min. 130°C	IEC 62368-1	Tested with appliance UL E17385
- Insulating tape of T1 (alternate)	Bondtec Pacific Co Ltd	370S(b)			Tested with appliance UL E175868
- Insulating tape of T1 (alternate)	Jingjiang Yahua Pressure Sensitive Glue Co Ltd	PZ, CT WF			Tested with appliance UL E165111
- Insulating tape of T1 (alternate)	Jingjiang Jingyi Adhesive Product Co Ltd	JY25-A(b)			Tested with appliance UL E246950
- Insulating tape of T1 (alternate)	Chang Shu Liang Yi Tape Industry Co Ltd	LY-XX(a)(b)			Tested with appliance UL E246820
- Insulating tape of T1 (alternate)	Interchangable	Interchangable			Tested with appliance
- PTFE tube of T1	Great Holding Industrial Co. Ltd.	TFT, TFS	Min.300V, 200°C	IEC 62368-1	Tested with appliance UL E156256
- PTFE tube of T1 (alternate)	Shenzhen Woer Heat- Shrinkable Material Co. Ltd	WF			Tested with appliance UL E203950
- PTFE tube of T1 (alternate)	Changyuan Electronics Group Co. Ltd.	CB-TT-T CB-TT-S			Tested with appliance UL E180908
- PTFE tube of T1 (alternate)	Interchangable	Interchangable			Tested with appliance
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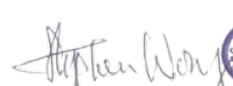
SECTION A PRODUCT DESCRIPTION

3.3 CRITICAL COMPONENTS

Critical Components					
Component Name	Manufacturer name/ Trademark	Model / Type Designation	Technical Data (specification and connection detail)	Standard	Mark(s) of Conformity *
Varistor (MOV1) (optional)	Thinking Electronic Industrial Co Ltd	TVR10471K, TVR14471K	Min. 300Vac, 85°C	IEC61051-2	VDE 005944
Varistor (MOV1) (optional) (alternate)	Thinking Electronic Industrial Co Ltd	TVR10471K-M	Min. 300Vac, 125°C		VDE 40036061
Varistor (MOV1) (optional) (alternate)	Centra Science Corp	CNR-10D471K, CNR-14D471K	Min. 300Vac, 105°C		VDE 40008220
Varistor (MOV1) (optional) (alternate)	BestBright Electronics Co. Ltd.	10D471K 14D471K	Min. 300Vac, 105°C		VDE 40005858
Varistor (MOV1) (optional) (alternate)	Success Electronics Co Ltd	SVR10D471K, SVR14D471K	Min. 300Vac, 105°C		VDE 40030401
Varistor (MOV1) (optional) (alternate)	Success Electronics Co Ltd	SVR10D471K, SVR14D471K	Min. 300Vac, 125°C		VDE 123677
Varistor (MOV1) (optional) (alternate)	Joyin Co Ltd	JVT10N471K, JVT14N471K	Min. 300Vac, 125°C		VDE 005937
Varistor (MOV1) (optional) (alternate)	Ceramate Technical Co Ltd	GNR10D471K, GNR14D471K	Min. 300Vac, 105°C		VDE 40031745
Varistor (MOV1) (optional) (alternate)	Brightking (Shenzhen) Co Ltd	10D471K, 14D471K	Min. 300Vac, 105°C		VDE 40027827
		10H471K-(+)	Min. 300Vac, 125°C		
Varistor (MOV1) (optional) (alternate)	Walsin Technology Corp.	VZ10D471K VZ14D471K	Min. 300Vac, 85°C		VDE 40003435

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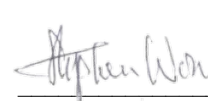
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SECTION A PRODUCT DESCRIPTION

3.3 CRITICAL COMPONENTS

Critical Components					
Component Name	Manufacturer name/ Trademark	Model / Type Designation	Technical Data (specification and connection detail)	Standard	Mark(s) of Conformity *
Varistor (MOV1) (optional) (alternate)	Shantou High-New Technology Dev. Zone Songtian Enterprise Co. Ltd.	07D471K 10D471K 14D471K	Min. 300Vac, 125°C	IEC61051-2	VDE 40023049
Varistor (MOV1) (optional) (alternate)	Guangdong Huiwan Electronics Technology Co. Ltd.	V-471K-10D V-471K-10E V-471K-14D V-471K-14E	Min. 300Vac, 125°C		VDE 40043880
Optocoupler (U4)	Everlight Electronics Co Ltd	EL817	Dti : 0.5mm Int. dcr: 6.0mm Ext. dcr: 7.7mm Min 110°C	IEC/EN 60747-5-2	VDE 132249
Optocoupler (U1) (alternate)	Cosmo Electronics Corporation	K1010, KP1010	Dti : 0.6mm Int. dcr: 4.0mm Ext. dcr: 5.0mm Min 115°C		VDE 101347
Optocoupler (U1) (alternate)	Lite-On Technology Corporation	LTV-817	Dti : 0.8mm Int. dcr: 7.8mm Ext. dcr: 7.8mm Min 110°C		VDE 40015248
Optocoupler (U1) (alternate)	Fairchild Semiconductor Pte. Ltd.	H11A817B FOD817B	CTI175 Int. dcr: 7.0mm Ext. dcr: 7.0mm Min 110°C		VDE 40026857
Optocoupler (U1) (alternate)	Sharp Corporation	PC817	Int. dcr: 7.62mm Ext. dcr: 7.62mm Min 110°C		VDE 40008087
Optocoupler (U1) (alternate)	Bright Led Electronics Corp	BPC-817 A/B/C/D/L/M/S	Dti : 0.4mm Ext. dcr: 7.0mm Min 110°C		VDE 40007240
Optocoupler (U1) (alternate)	Toshiba Electronic Devices & Storage Corporation	TLP781FK TLP781KF	Dti > 0.4mm Ext. dcr: 8.0mm Min 110°C		VDE 40021173
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SECTION A PRODUCT DESCRIPTION

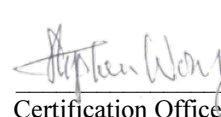
3.3 CRITICAL COMPONENTS

Critical Components					
Component Name	Manufacturer name/ Trademark	Model / Type Designation	Technical Data (specification and connection detail)	Standard	Mark(s) of Conformity *
Optocoupler (U1) (alternate)	Renesas Electronics Corporation	PS2701-1	Dti > 0.4mm Ext. dcr > 8.0mm Min 110°C	IEC/EN 60747-5-2	VDE 40008902
Earthing wire for Class I models	Dongguan Chuantai Wire Products Co. Ltd.	1015 1007 1185	Min. 20AWG, Min. 300V, Min. 80°C	IEC 62368-1	Tested with appliance UL E315628
Earthing wire for Class I models (alternate)	Zhuang Shan Chuan Electrical Products (Kunshan) Co. Ltd.	1015 1007 1185			Tested with appliance UL E333601
Earthing wire for Class I models (alternate)	Yong Hao Electrical Industry Co. Ltd.	1015 1007 1185			Tested with appliance UL E240426
Earthing wire for Class I models (alternate)	Dongguan Cooperation Wire & Cable Co. Ltd.	1015 1007 1185			Tested with appliance UL E204204
Earthing wire for Class I models (alternate)	Kunshan Xinghongmeng Electronic Co. Ltd.	1015 1007 1185			Tested with appliance UL E315421
Earthing wire for Class I models (alternate)	Suzhou Jiahuishu Electronic Co. Ltd.	1015 1007 1185			Tested with appliance UL E353532
Earthing wire for Class I models (alternate)	Suzhou Liyueke Electronic Technology Co. Ltd.	1015 1007 1185			Tested with appliance UL E476385
Earthing wire for Class I models (alternate)	Interchangeable	1015 1007 1185			Tested with appliance

4. SPECIAL CONCERN :

- Nil -

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SECTION A PRODUCT DESCRIPTION

MARKING REQUIREMENT

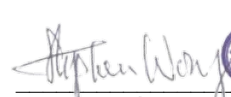
1. Subscriber's identification (Subscriber's name or trade mark and HKCC license number, adjacent to Hong Kong Safety Mark) and Hong Kong Safety Mark symbol.



L00599A

2. Model designation or equivalent.
3. Complete electrical rating of the product :
Rated input: 100-240V~, 50-60Hz, 2.2A
Rated output: 12.0-54.0 Vdc, Max. 180W
4. Serial number or date code traceable to week and year of manufacture.
5. Product marking shall include
 - "Hong Kong Safety Mark "
 - "  " Class II symbol (for Class II models only)
6. Instructions for use : Nil

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SECTION A PRODUCT DESCRIPTION

FACTORY TESTS

Each Certified Product shall, at the conclusion of manufacture, be subjected to the following tests before shipment:

1. ON-LINE DIELECTRIC STRENGTH TEST

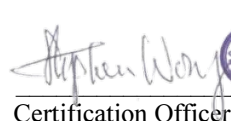
The insulation of the appliance is subjected to a voltage of substantially sinusoidal waveform having a frequency of approximately 50 Hz or 60Hz and the value shown in followings Table, or a d.c. voltage equal to 1.414 times the rms voltage, applied for minimum 1 second. **No flash-over or breakdown shall occur**

Points of application	Test voltage (V.a.c.)
Functional Insulation	1500
Basic Insulation	1500
Supplementary Insulation	1500
Reinforced Insulation	3000

2. ON-LINE EARTHING CONTINUITY TEST

- Not Applicable -

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SECTION A PRODUCT DESCRIPTION

PRODUCT PHOTOGRAPHS



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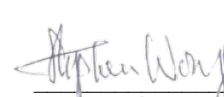
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SECTION A PRODUCT DESCRIPTION

PRODUCT PHOTOGRAPHS



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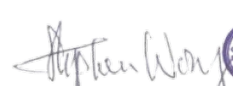
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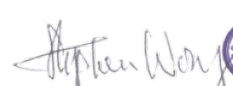
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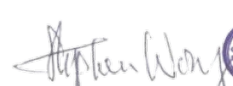
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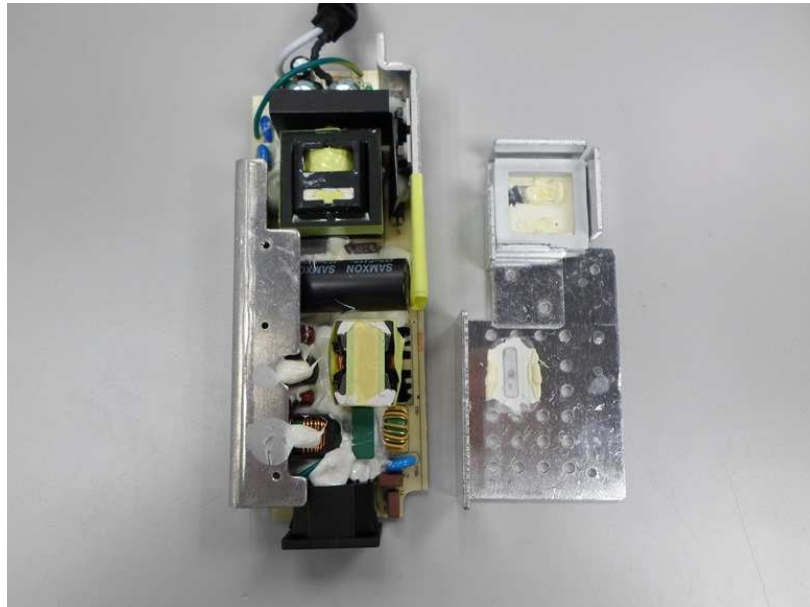
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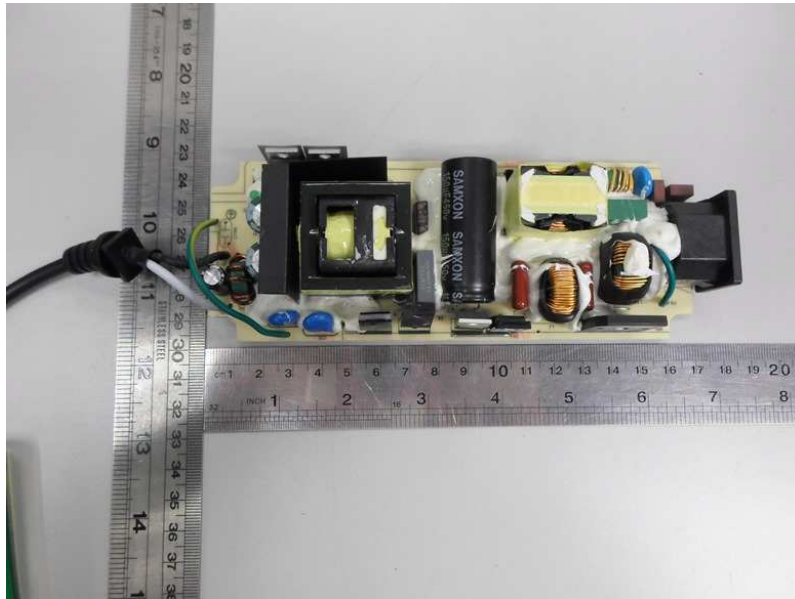
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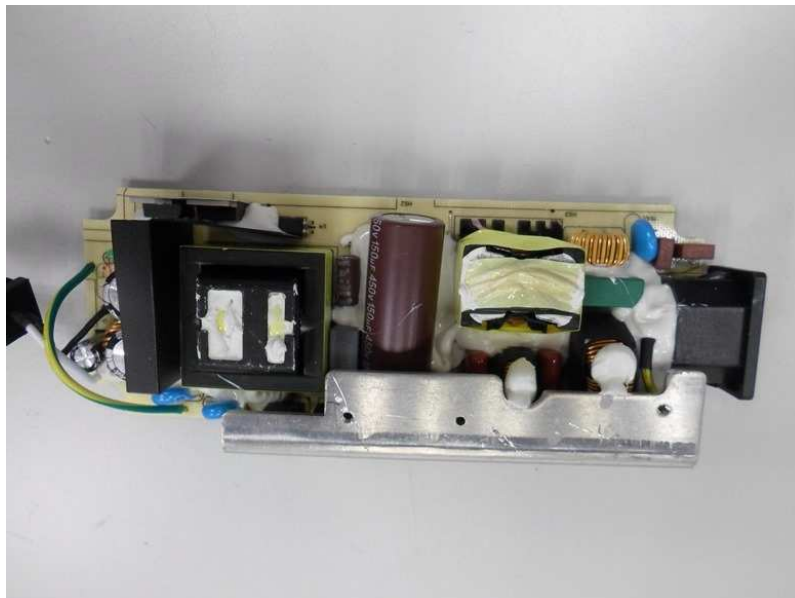
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SECTION A PRODUCT DESCRIPTION

PRODUCT PHOTOGRAPHS



Model : GTM961800P16012-T3



Model : GTM961800P18054-T3-CF

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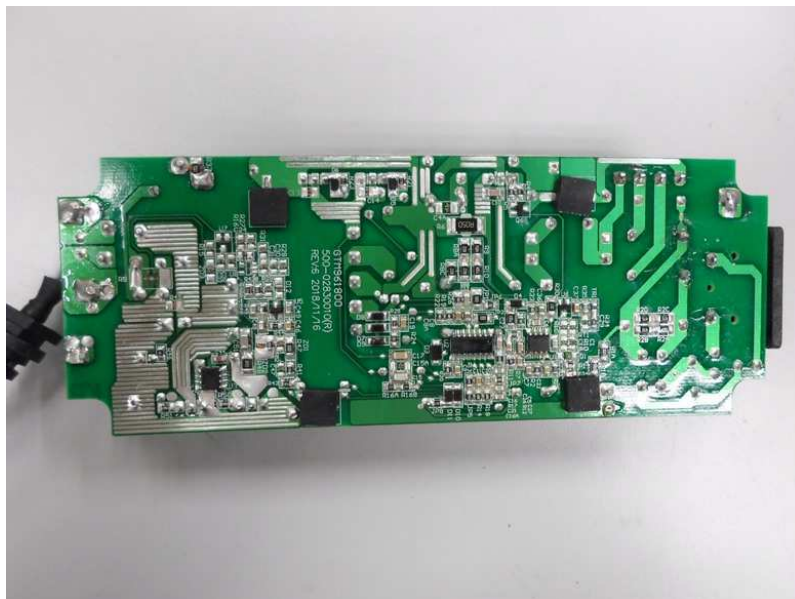
Tel: (852) 2661 2083 Fax: (852) 2661 3181 Homepage: www.hk-cc.com Email: hkcc@hk-cc.com

Date : 2022-04-22
File No. : L00599-1

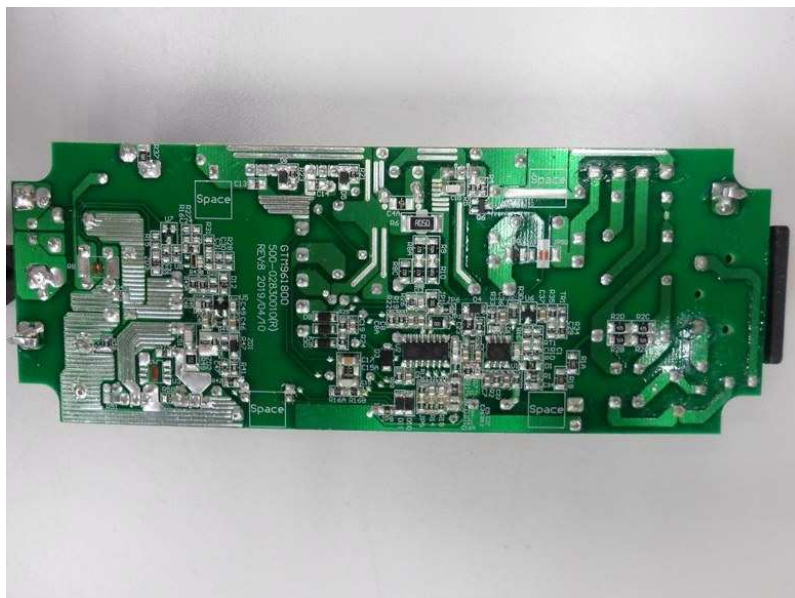
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SECTION A PRODUCT DESCRIPTION

PRODUCT PHOTOGRAPHS

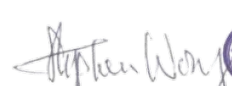


Model : GTM961800P16012-T3



Model : GTM961800P18054-T3-CF

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Date : 2022-04-22
File No. : L00599-1

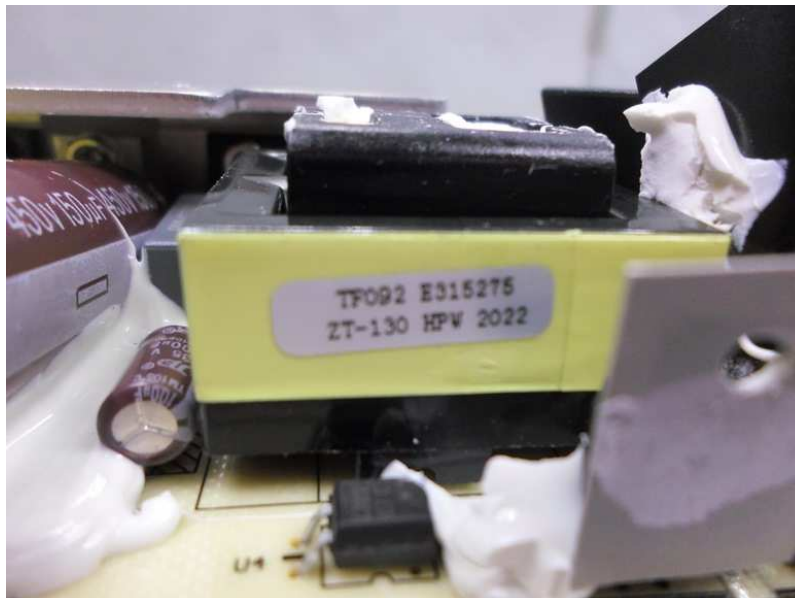
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SECTION A PRODUCT DESCRIPTION

PRODUCT PHOTOGRAPHS



Model : GTM961800P16012-T3



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Date : 2022-04-22
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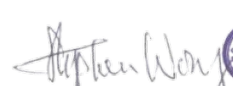
SECTION A PRODUCT DESCRIPTION

Rating Label



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Date : 2022-04-22
File No. : L00599-1

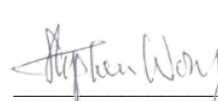
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SECTION B SAFETY TEST REPORT

Test Report No.	:	211103026SHA-001
Total pages	:	122
Report date	:	2022-03-28
Application number	:	A01284
Modification ref. number	:	Nil
Agency reference number	:	Nil

- END OF SAFETY TEST REPORT -

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