전기용품안전 관리법 시행규칙 [별지 제2호서식]

접수번호 : 20150311 - 0001

전 기 용 품 안 전 인 증 서
Electrical Appliances Safety Certificate

안전인증번호: (Certificate No.) HU10499-15021A

제조업자명: (Manufacturer) GlobTek (Suzhou) Co., Ltd.

대표자명: (President) David Micheal Rakovsky

제조공장의 주소: (Factory Address) Building 4, #76, Jin Ling East Rd., Suzhou Park, Suzhou, Jiangsu 215021, P.R.China

제품명: (Product) 직류전원장치

기본모델명: (Basic Model) GTM41078-0605-USB

정격: (Rating) 100-240 V~,50-60 Hz,0.3 A ; (O/P: 5 Vdc, 1.2 A)

파생모델명 (Series Model):

GTM41078-0105-USB
GTM41078-0205-USB
GTM41078-0305-USB
GTM41078-0405-USB
GTM41078-0505-USB

적용기준: (Standard) K 60950-1(2.0)(2011-12)

「전기용품안전 관리법 시행규칙」 제6조제2항에 따라 위의 전기용품에 대하여 안전인증서를 발급합니다.
We issue this Electrical Appliances Safety Certificate for the above electrical appliance in accordance with the Article 6(2) of the Enforcement Rule of the Electrical Appliances Safety Control Act.

2015 년 (Year) 4 월 (Month) 9 일 (Day)

한국기계전기전자시험연구원장
Korea Testing Certification

※ 이 인증서는 「전기용품안전 관리법」에 따른 전기용품 안전성 확인에 한정된 것이며, 그 밖의 다른 법률이 적용되는 제품의 경우에는 해당 법률에 따라 추가로 인증·허가 등을 받아야 합니다.

첨부서류 1. 안전관리부품 및 재질목록 (List of Critical Components)
2. 기본모델·파생모델의 내용 (Descriptions of the basic and series model)
3. 전기용품 안전인증의 변경 현황 (Revisions Status)

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1.기본모델 · 파생모델의 내용(General Descriptions of Certified Products)

1.1 제품의 설명 (Product description)

인증제품의 개요는 다음과 같다.
(Information on certified basic model product is as follow)

구분(Section)	내 용 (Description)
용도 (Normal use)	The apparatus designed to be used for converting AC main voltage to DC low voltage.
내부구조 (Internal construction)	Consisting of the primary and reinforced or double insulated SELV circuit.
외부구조 (External construction)	Provided with direct plug-in and plastic enclosure having min.V-1 flammability.
기타(Others)	Class II

1.2 전기용품의 표시: 전기용품안전 관리법 시행규칙 제15조(안전인증의 표시)에 따라 표시한다.
(Marking of KC Mark: Marking shall comply with enforcement rule Article 15 of the Electrical Appliances Safety Control Law)

1.3 등록모델 (Registered Models)

구 분 (Class)	모 델 명 및 정 격 (Model / Rating)		기본모델과의 차이점 (Difference between basic model and series model)
기본모델 (Basic model)	GTM41078-0605-USB	100-240 V~,50-60 Hz,0.3 A : (O/P: 5 Vdc, 1.2 A)	
파생모델 (Series model)	GTM41078-0505-USB		Identical except for output rating (1.0 Adc)
	GTM41078-0405-USB		Identical except for output rating (0.8 Adc)
	GTM41078-0305-USB		Identical except for output rating (0.6 Adc)
	GTM41078-0205-USB		Identical except for output rating (0.4 Adc)
	GTM41078-0105-USB		Identical except for output rating (0.2 Adc)

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2.안전관리 부품 및 재질목록(List of Critical Components)

부품명 (Components)	번호 (Part No)	특 성 (Technical Data)	제조자 (Manufacturer)	인증규격 (Certification)
PCB	-	Type: T2A, T2B, T4, Min. V-0, min 1.6 mm thickness, 130 ℃	TECHNI TECHNOLOGY LTD	UL
Enclosure	- (& Blade Holder)	Type: SE1X, Min. V-1 at 1.5 mm thickness, 105 ℃	SABIC INNOVATIVE PLASTICS B V	UL
Enclosure	- (& Blade Holder) (alt)	Type: C2950, Min. V-0 at 1.5 mm thickness, 75 ℃	SABIC INNOVATIVE PLASTICS B V	UL
Enclosure	- (& Blade Holder) (alt)	Type: LN-1250P, LN-1250G, Min. V-0 at 1.5 mm thickness, 115 ℃	TEIJIN CHEMICALS LTD	UL
Enclosure	- (& Blade Holder) (alt)	Type: PC-540, Min. V-0 at 1.5 mm thickness, 70 ℃	CHI MEI Corporation	UL
Enclosure	- (& Blade Holder) (alt)	Type: PA-765A, Min. V-1 at 1.5 mm thickness, 80 ℃	CHI MEI Corporation	UL
Enclosure	- (& Blade Holder) (alt)	Type: CX7211, EXCY0098, Min. V-1 at 1.25 mm thickness, 85 ℃	SABIC INNOVATIVE PLASTICS B V	UL
PCB	- (alt)	Type: 02V0, 04V0, Min. V-0, min 1.6 mm thickness, 130 ℃	SHANGHAI AREX PRECISION ELECTRONIC CO LTD	UL
PCB	- (alt)	Type: 03, 03A, Min. V-0, min 1.6 mm thickness, 130 ℃	CHEERFUL ELECTRONIC	UL
PCB	- (alt)	Type: CEM1, Min. V-0, min 1.6 mm thickness, 130 ℃	DONGGUAN HE TONG ELECTRONICS CO LTD	UL
PCB	- (alt)	Type: DKV0-3A, Min. V-0, min 1.6 mm thickness, 130 ℃	BRITE PLUS ELECTRONICS (SUZHOU) CO LTD	UL
PCB	- (alt)	Type: DS2, Min. V-0, min 1.6 mm thickness, 130 ℃	DONGGUAN DAYSUN ELECTRONIC CO LTD	UL
PCB	- (alt)	Type: YLH-1, Min. V-0, min 1.6 mm thickness, 130 ℃	SUZHOU CITY YILIHUA ELECTRONICS CO LTD	UL
T.I.W	- (of T1)	Type: TRW(B), Min. 130 ℃	GREAT LEOFLON INDUSTRIAL CO LTD	UL

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부품명 (Components)	번호 (Part No)	특 성 (Technical Data)	제조자 (Manufacturer)	인증규격 (Certification)
Insulation Tape	- (of T1)	Type: 1350F-1, 1350T-1, Min. 130 ℃	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	UL
Bobbin	- (of T1)	Type: T375J, T375HF, V-0, 150 ℃, thickness 0.45 mm min.	CHANG CHUN PLASTICS CO LTD	UL
T.I.W	- (of T1) (alt)	Type: TEX-E, Min. 130 ℃	FURUKAWA ELECTRIC CO LTD	UL
T.I.W	- (of T1) (alt)	Type: TIW-M, Min. 130 ℃	COSMOLINK CO LTD	UL
T.I.W	- (of T1) (alt)	Type: TIW-2, Min. 130 ℃	TOTOKU ELECTRIC CO LTD	UL
Insulation Tape	- (of T1) (alt)	Type: 370S, Min. 130 ℃	BONDTEC PACIFIC CO LTD	UL
Insulation Tape	- (of T1) (alt)	Type: PZ, CT, Min. 130 ℃	JINGJIANG YAHUA PRESSURE SENSITIVE GLUE CO LTD	UL
Insulation Tape	- (of T1) (alt)	Type: JY25-A, Min. 130 ℃	JINGJIANG JINGYI ADHESIVE PRODUCT CO LTD	UL
Insulation Tape	- (of T1) (alt)	Type: LY-XX, Min. 130 ℃	CHANG SHU LIANG YI TAPE INDUSTRY CO LTD	UL
Bobbin	- (of T1) (alt)	Type: CP-J-8800, V-0, 150 ℃, thickness 0.45 mm min.	HITACHI CHEMICAL CO LTD	UL
Bobbin	- (of T1) (alt)	Type: PM-9820, V-0, 150 ℃, thickness 0.45 mm min.	SUMITOMO BAKELITE CO LTD	UL
Y-Capacitor	CY1, CY2	Type: CD, 470 pF, min. 250 V, Y1 type, 25/085/21/B	TDK-EPC CORPORATION	IEC
Y-Capacitor	CY1, CY2 (alt)	Type: AH, 470 pF, min. 250 V, Y1 type, 25/125/21/C	WALSIN TECHNOLOGY CORP	IEC
Y-Capacitor	CY1, CY2 (alt)	Type: KX, 470 pF, min. 250 V, Y1 type, 25/125/21/B	MURATA MFG CO LTD	IEC
Y-Capacitor	CY1, CY2 (alt)	Type: Y, 470 pF, min. 250 V, Y1 type, 25/085/21/C	HONGZHI ENTERPRISES LTD	IEC
Y-Capacitor	CY1, CY2 (alt)	Type: SE, SB, 470 pF, min. 250 V, Y1 type, 30/125/56/C	SUCCESS ELECTRONICS CO LTD	IEC
Y-Capacitor	CY1, CY2 (alt)	Type: JX-series, 470 pF, min. 250 V, Y1 type, 40/125/21/C	JERRO ELECTRONICS CORP	IEC

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(Receipt No)

부품명 (Components)	번호 (Part No)	특 성 (Technical Data)	제조자 (Manufacturer)	인증규격 (Certification)
Y-Capacitor	CY1, CY2 (alt)	Type: JN, 470 pF, min. 250 V, Y1 type, 25/125/21/C	JYA-NAY CO LTD	IEC
Y-Capacitor	CY1, CY2 (alt)	Type: CT7, 470 pF, min. 250 V, Y1 type, 30/125/56/C	HAOHUA ELECTRONIC CO	IEC
Fuse	FS1, FS2	Type: MST, T1 A, 250 V, Rated breaking capacity 100 A	Conquer Electronics Co., Ltd.	IEC UL
Fuse	FS1, FS2 (alt)	Type: 2010, T1 A, 250 V, Rated breaking capacity 130 A	Ever Island Electric Co., Ltd. and Walter Electric	IEC UL
Fuse	FS1, FS2 (alt)	Type: RST, T1 A, 250 V, Rated breaking capacity 100 A	Bel Fuse Ltd.	IEC UL
Fuse	FS1, FS2 (alt)	Type: SS-5, T1 A, 250 V, Rated breaking capacity 35 A	Cooper Bussmann LLC	IEC UL
Fuse	FS1, FS2 (alt)	Type: SMT, T1 A, 250 V, Rated breaking capacity 35 A	Shenzhen Lanson Electronics Co. Ltd.	IEC UL
Fuse	FS1, FS2 (alt)	Type: ICP series, T1 A, 250 V, Rated breaking capacity 50 A. Cartridge enclosed/ Used with insulation tube.	Walter Electronic Co. Ltd.	IEC UL
Fuse	FS1, FS2 (alt)	Type: 385T series, T1 A, 250 V, Rated breaking capacity 35 A	Das & Sons International Ltd.	IEC UL
Transformer	T1	Type: XF00868, Class A	ENG GlobTek BOAM ZhongTong	-
Optocoupler	U2	Type: LTV-817, Ext. Cr: min. 8.01 mm; DTI: min. 0.6 mm; Thermal cycling test. Max. operating temp.: 115 ℃	LITE-ON Technology Corporation	IEC UL
Optocoupler	U2 (alt)	Type: BPC-817, BPC-817 M, BPC-817 S, Ext. Cr: min. 7.0 mm; DTI: min. 0.4 mm; Thermal cycling test. Max. operating temp.: 100 ℃	Bright Led Electronics Corp.	IEC UL
Optocoupler	U2 (alt)	Type: EL817, Ext. Cr: min. 7.7 mm; DTI: min. 0.5 mm; Thermal cycling test. Max. operating temp.: 110 ℃	Everlight Electronics Co., Ltd.	IEC UL
Optocoupler	U2 (alt)	Type: FOD817B, Ext. Cr: min. 7.8 mm; DTI: min. 0.6 mm; Thermal cycling test. Max. operating temp.: 115 ℃	Fairchild Semiconductor Pte. Ltd.	IEC UL

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3.전기용품안전인증의 변경현황(Status of Certificate Revisions)

일자(Date)	발급현황(Status of issues)
	변경내용(Modification of Contents)
2015/04/09	기본+파생모델등록(Basic + Series Model)

4.기타(Carefully Informed Note)

1) 안전관리부품 및 재질목록에 기재된 사항은 전기적인 안전에 직접적인 영향을 주는 부분이므로 내용을 변경 또는 복수등재를 원하는 경우 안전인증변경신청을 하여야 합니다. 안전인증변경신청을 하지 않고 제조자가 임의로 변경하는 경우에는 전기용품안전 관리법 제8조제1항제2호에 의거 안전인증이 취소될 수 있습니다.
(Certificate holder should apply for the revision of certificate issued from Issuing Certification Body if registered critical components would be changed, modified or alternated. Should the contents of Certificate are altered without Safety Certification Modification Application by Certificate holder, Safety Certification(KC Mark) may be withdrawn under Section 2, Paragraph 1, Article 8 of the Electrical Appliances Safety Control Law)

2) 정기검사(시료채취포함)를 거부, 방해 또는 기피하는 경우에는 전기용품안전 관리법 제8조제1항제4호에 의거 안전인증이 취소될 수 있습니다.
(If Annual Follow-up Factory Inspection, including sampling representative model by 11 categories of the certified product at factory-site for re-testing, should not has been arranged by Certificate holder, Safety Certification(KC Mark) may be withdrawn under Section 4, Paragraph 1, Article 8 of the Electrical Appliances Safety Control Law)

3) 공장주소(전화번호포함), 대표자, 상호 및 부품변경 등 전기용품 안전인증서의 내용이 변경되었을 때 제조자가 안전인증변경신청을 하지 않을 경우에는 전기용품안전 관리법 제8조제1항제3호에 의거 안전인증이 중지 또는 취소될 수 있습니다.
(If Safety Certification Modification Application by Certificate holder should not has been made to Issuing Certification Body, when Factory Address, including telephone/facsimile no., Manufacturer Name, Registered Critical Components, etc would be changed, Safety Certification(KC Mark) may be suspended or withdrawn under Section 3, Paragraph 1, Article 8 of the Electrical Appliances Safety Control Law)

4) 조건부 인증사항 (Conditional certification items):

기술문서붙임자료

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No.1 전기용품의 표시

GlobTek® ,Inc.
www.globtek.com
Fuente de alimentación de ITE
MEDICAL/ITE POWER SUPPLY
开关电源适配器

P/N/número de pieza(料号) :
MODEL/Modelo (型号) : GTM41078-0605-USB
INPUT/Entrada (输入) : 100-240V~,50-60Hz, 0.3A
OUTPUT/Salida (输出) : 5 V ⎓ 1.2 A

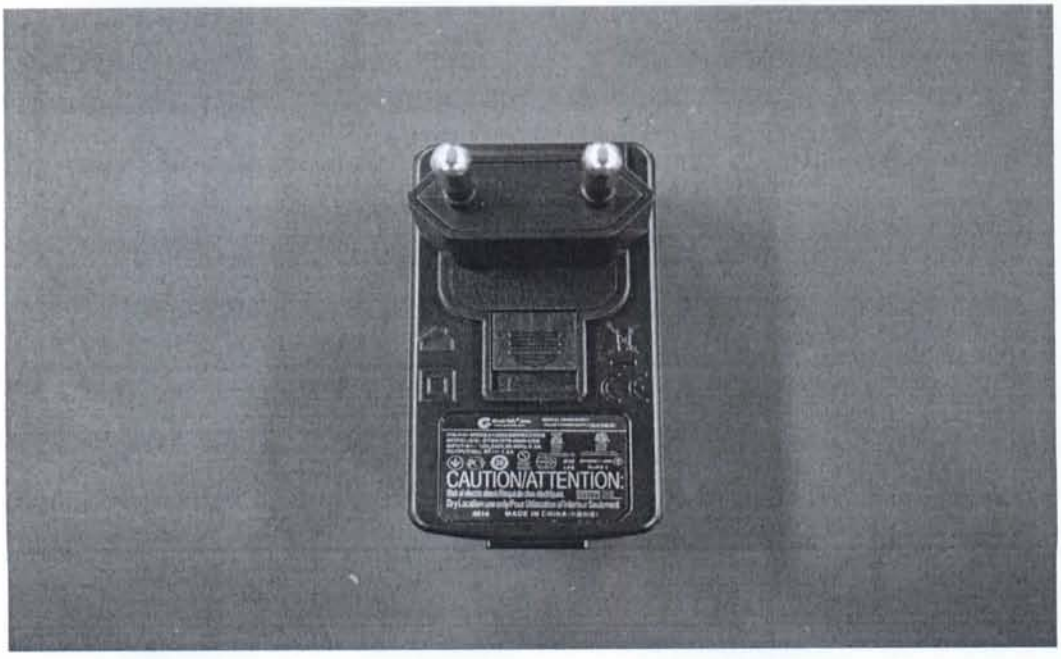
직류전원장치 AC/DC ADAPTER
KTC HU10499-XXXXX
MSIP-REM-GSZ-M410780605USB
전기용품안전관리법에 의한 표시
최저소비효율기준 만족 제품
모델명:GTM41078-0605-USB
Mfr.Name:GLOBTEK (SUZHOU) CO.,LTD
A/S Center:02-3451-3400

RECOGNIZED COMPONENT
Intertek 4007497
Intertek 4007497
Intertek IEC/EN60601-1 IEC/EN60950-1

Conforms to ANSI/AAMI ES60601-1
Cert. to CAN/CSA Std.C22.2 NO.60601-1
Conforms to ANSI/UL Std. 60950-1
Cert. to CAN/CSA Std.C22.2 NO.60950-1

CQC PS E
GlobTek, Inc.
NOM ETL Intertek
IP20
LPS
RoHS 2
Hecho en China (中国制造)
EFFICIENCY LEVEL V
제조국가:중국/MADE IN CHINA
WWYY

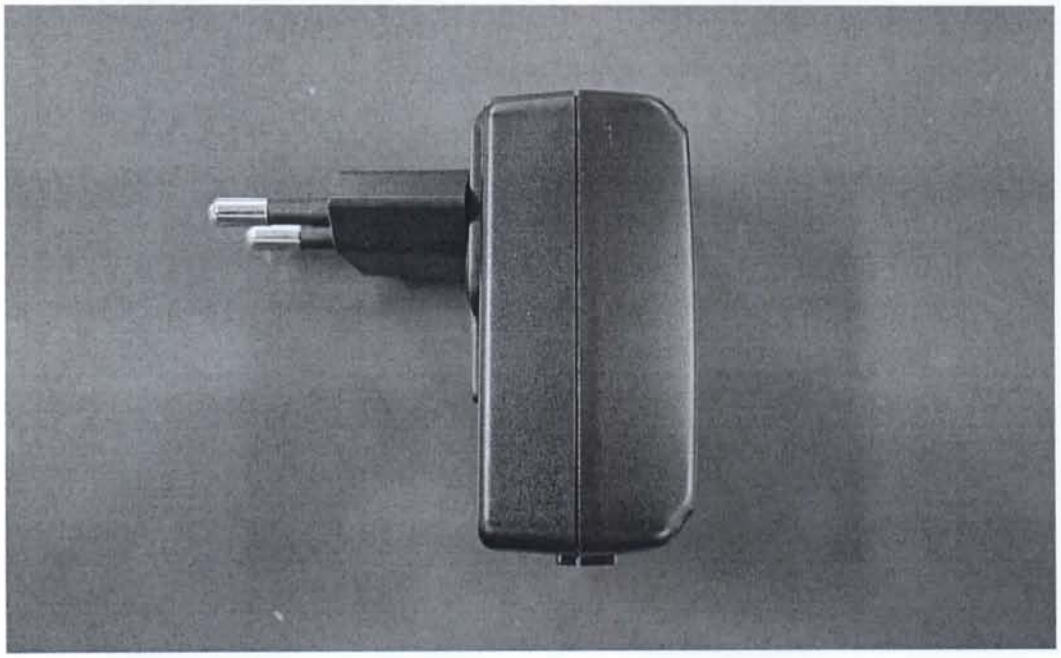
No.2 외부사진



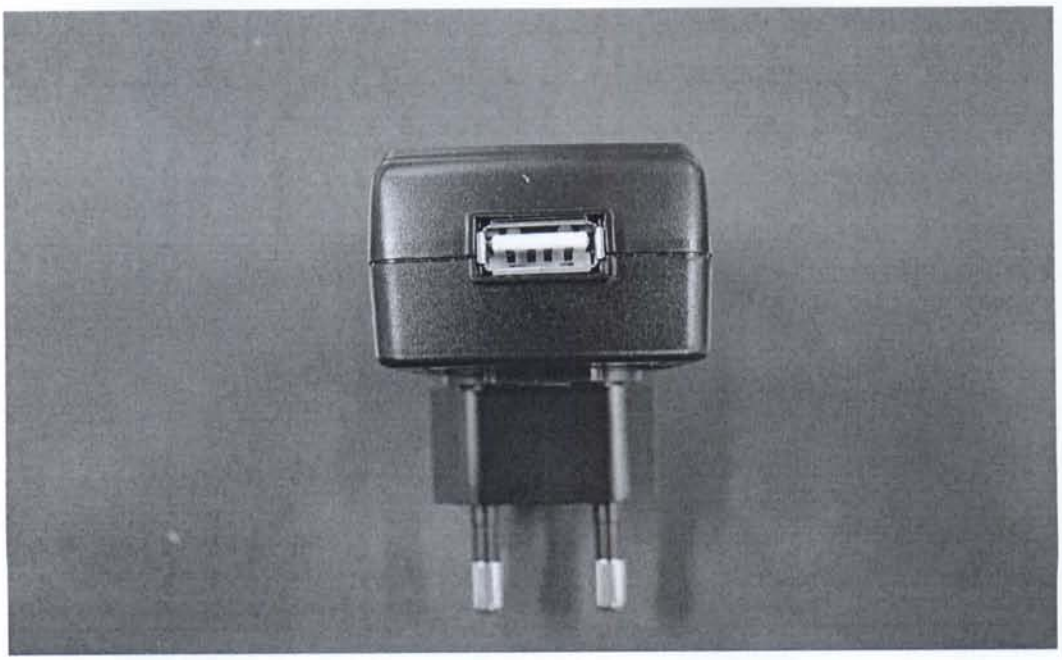
기술문서붙임자료

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No.3 외부사진-1



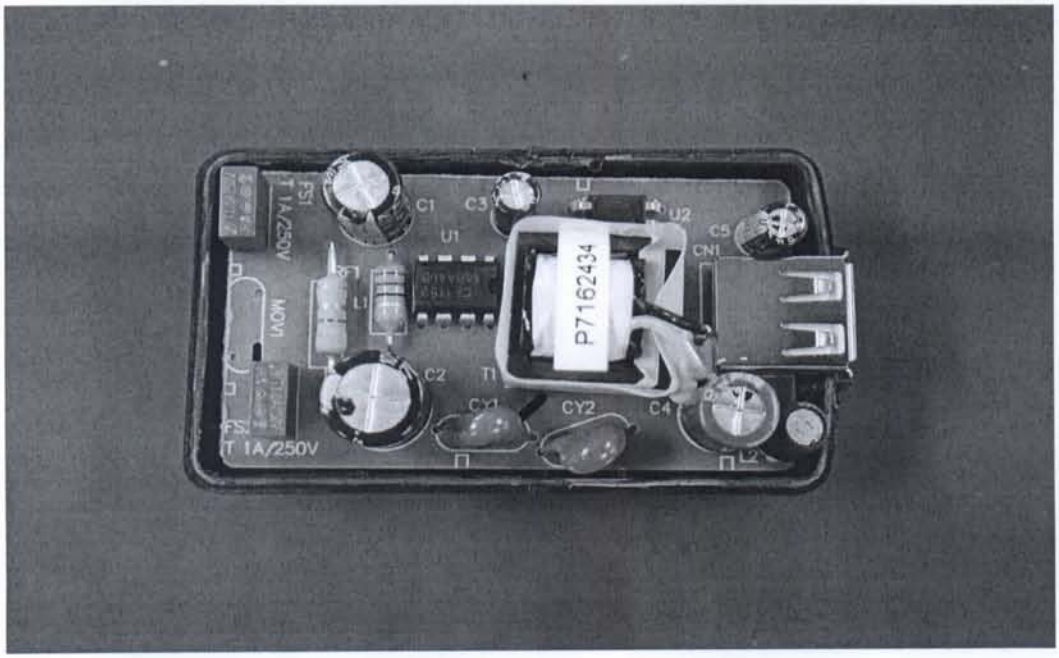
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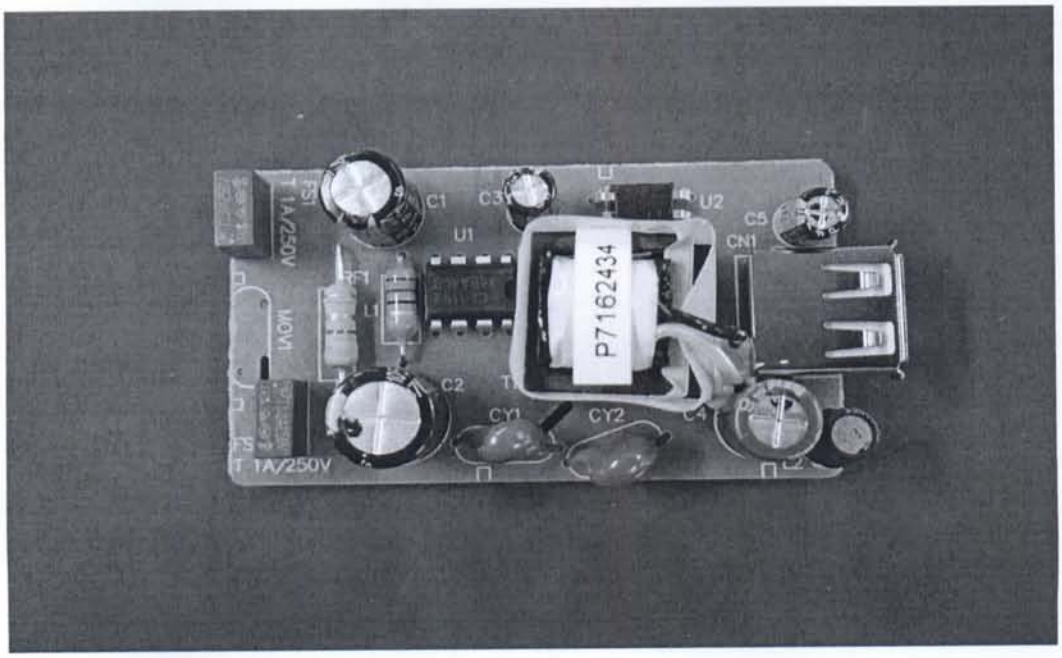
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No.5 내부사진(전체)



No.6 내부사진



한국기계전기전자시험연구원

Korea Testing Certification

기술문서붙임자료

안전인증번호: HU10499-15021A 접수번호:20150311-0001

No.7 내부사진(후면)

