전기용품안전 관리법 시행규칙 [별지 제2호서식]

접수번호 : 20151207-0069

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

안전인증번호: (Certificate No.) HU10499-16024A

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) GT-46180-1812

정격: (Rating) 100-240 V~,50-60 Hz,0.6 A (O/P: 12 Vdc, 1.5 A)

파생모델명 (Series Model):

GT-46180-1509
GT-46180-1512
GT-46180-1515
GT-46180-1809
GT-46180-1815

적용기준: (Standard) K 60950-1(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.

2016 년 (Year) 1 월 (Month) 4 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)	Detachable direct plug-in equipment and provided with the 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)	GT-46180-1812	100-240 V~,50-60 Hz,0.6 A (O/P: 12 Vdc, 1.5 A)	
파생모델 (Series model)	GT-46180-1509		Identical to basic model except for model designation and output rating. (O/P: 9 Vdc, 1.66 A)
	GT-46180-1512		Identical to basic model except for model designation and output rating. (O/P: 12 Vdc, 1.25 A)
	GT-46180-1515		Identical to basic model except for model designation and output rating. (O/P: 15 Vdc, 1 A)
	GT-46180-1809		Identical to basic model except for model designation and output rating. (O/P: 9 Vdc, 2 A)
	GT-46180-1815		Identical to basic model except for model designation and output rating. (O/P: 15 Vdc, 1.2 A)

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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)
Plug Holder	-	Type: SE1X(GG)(f1) 945, Min. V-1, min. 1,7 mm thickness, 105 ℃	SABIC Innovative Plastics	UL
Plastic Enclosure	-	Type: SE1X(GG)(f1) 945, Min. V-1, min. 1,7 mm thickness, 105 ℃	SABIC Innovative Plastics	UL
PCB	-	Rated: Min. V-0, min. 130 ℃	-	UL
T.I.W	- (of T1)	Type: TRW(B) series, 130 ℃	Great Leoflon Industrial Co Ltd	VDE,UL
Bobbin	- (of T1)	Type: T375J, T375HF, Phenolic, V-0, min. thickness 0.71 mm, 150 ℃	Chang Chun Plastics Co Ltd	UL
Bobbin	- (of T1) (alt)	Type: PM-9820, V-0; 150 ℃; PHENOLIC	Sumitomo Bakelite Co Ltd	UL
X-Capacitor	CX1	Type: CTX, 0,1 µF, Min. 250 V	Cheng Tung	IEC
X-Capacitor	CX1 (alt)	Type: HQX, 0,1 µF, Min. 250 V	Ultra Tech Xiphi	IEC
X-Capacitor	CX1 (alt)	Type: MEX, 0,1 µF, Min. 250 V	Tenta	IEC
X-Capacitor	CX1 (alt)	Type: MKP/MPX, 0,1 µF, Min. 250 V	Xiangtai	IEC
X-Capacitor	CX1 (alt)	Type: MPX, 0,1 µF, Min. 250 V	Carli	IEC
X-Capacitor	CX1 (alt)	Type: MPX, 0,1 µF, Min. 250 V	Joey	IEC
X-Capacitor	CX1 (alt)	Type: MPX, 0,1 µF, Min. 250 V	XINHUA	IEC
X-Capacitor	CX1 (alt)	Type: MPX, 0,1 µF, Min. 250 V	DAIN	IEC
Bridge Capacitor	CY1	Type: AH, 1 000 pF, Min. 250 V, Y1	Walsin Technology Corp	IEC
Bridge Capacitor	CY1 (alt)	Type: CD, 1 000 pF, Min. 250 V, Y1	TDK-EPC Corporation	IEC

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부품명 (Components)	번호 (Part No)	특 성 (Technical Data)	제조자 (Manufacturer)	인증규격 (Certification)
Bridge Capacitor	CY1 (alt)	Type: JB-serie, 1 000 pF, Min. 250 V, Y1	Juhong ELE Company	IEC
Bridge Capacitor	CY1 (alt)	Type: YO-series, 1 000 pF, Min. 250 V, Y1	Xiangtai Electronics (Shenzhen) Co Ltd	IEC
Bridge Capacitor	CY1 (alt)	Type: SE, SB, 1 000 pF, Min. 250 V, Y1	Success Electronics Co Ltd	IEC
Bridge Capacitor	CY1 (alt)	Type: CT 7, 1 000 pF, Min. 250 V, Y1	Haohua Electronic Co	IEC
Fuse	FS1	Type: MST-series, T1,6 A, 250 Vac	Conquer Electronics Co Ltd.	IEC
Fuse	FS1 (alt)	Type: 2010 series, T1,6 A, 250 Vac	Ever Island Electric Co Ltd & Walter Electric	IEC
Fuse	FS1 (alt)	Type: RST-series, T1,6 A, 250 Vac	Bel Fuse Inc.	IEC
Fuse	FS1 (alt)	Type: 392, T1,6 A, 250 Vac	Littelfuse Wickmann Werke	IEC
Fuse	FS1 (alt)	Type: 5ET, T1,6 A, 250 Vac	Hollyland Co Ltd.	IEC
Transformer	T1	Type: XF00915, Class B	GLOBTEK/ BOAM/ HAOPUWEI	-
Optocoupler	U1	Type: EL817, Dti= 0,5 mm	Everlight	VDE,UL
Optocoupler	U1 (alt)	Type: BPC-817 A/B/C/D/L, BPC-817, SBPC-817 M, Dti= 0,4 mm	Bright Led	VDE,UL
Optocoupler	U1 (alt)	Type: K1010, Dti= 0,6 mm	Cosmo Electronics Corp	VDE,UL
Optocoupler	U1 (alt)	Type: LTV-817, Dti= 0,6 mm	Lite-On	VDE,UL
Optocoupler	U1 (alt)	Type: PS2561-1, Dti= 0,4 mm	Renesas Electronics Corporation	VDE,UL

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3.전기용품안전인증의 변경현황(Status of Certificate Revisions)

일자(Date)	발급현황(Status of issues)
	변경내용(Modification of Contents)
2016/01/04	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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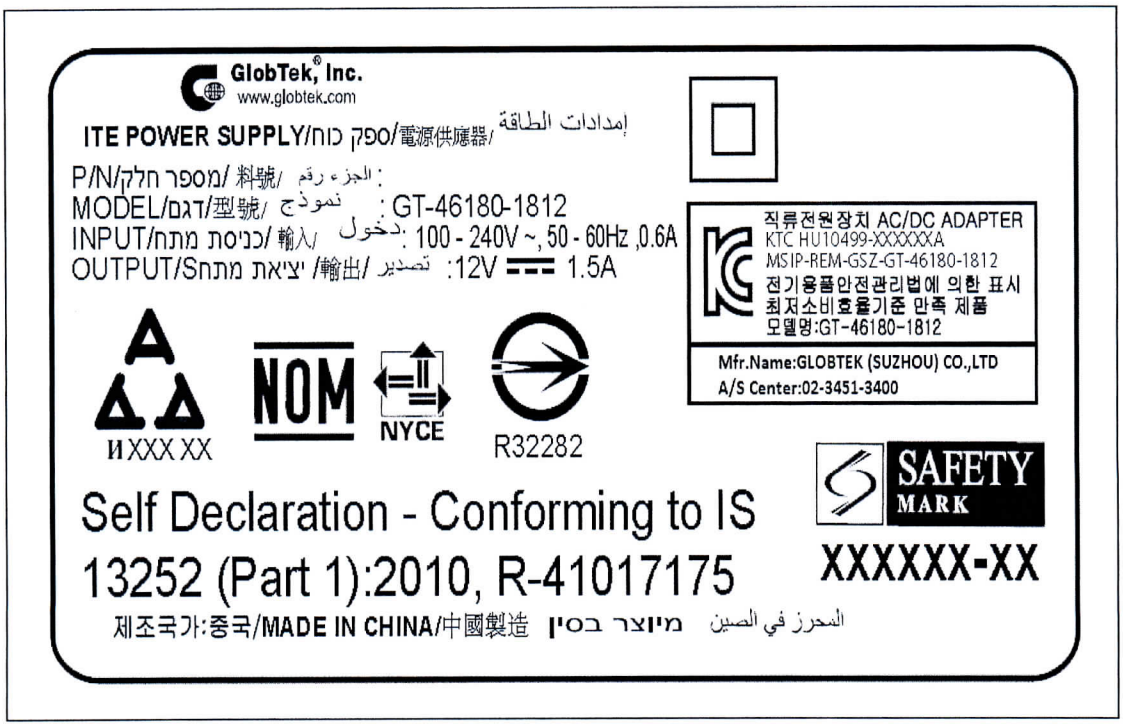
No.1 표시사항



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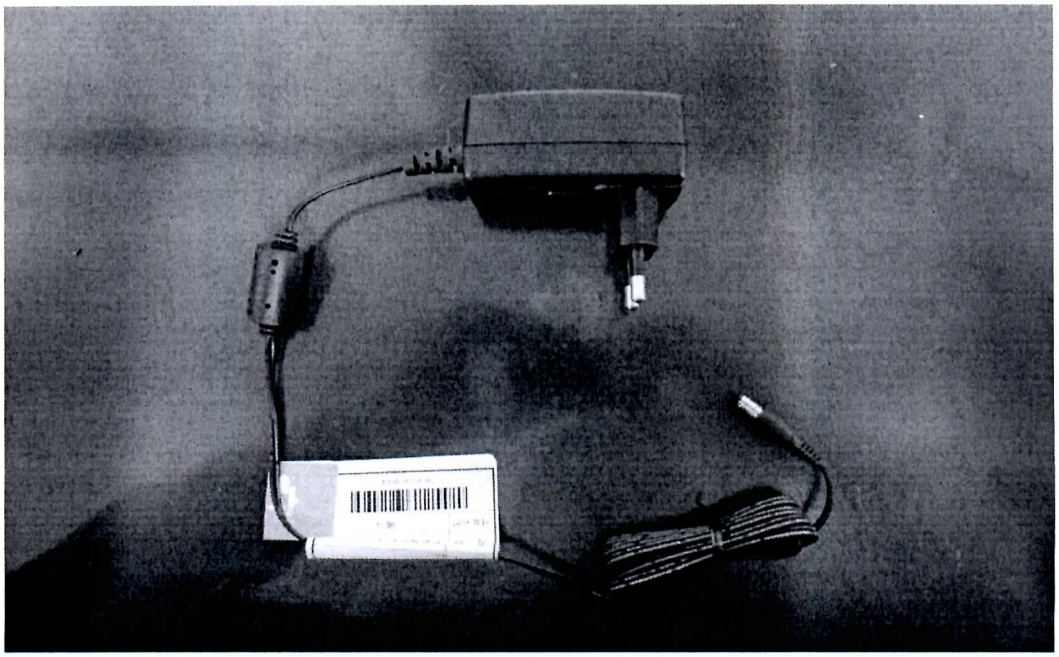

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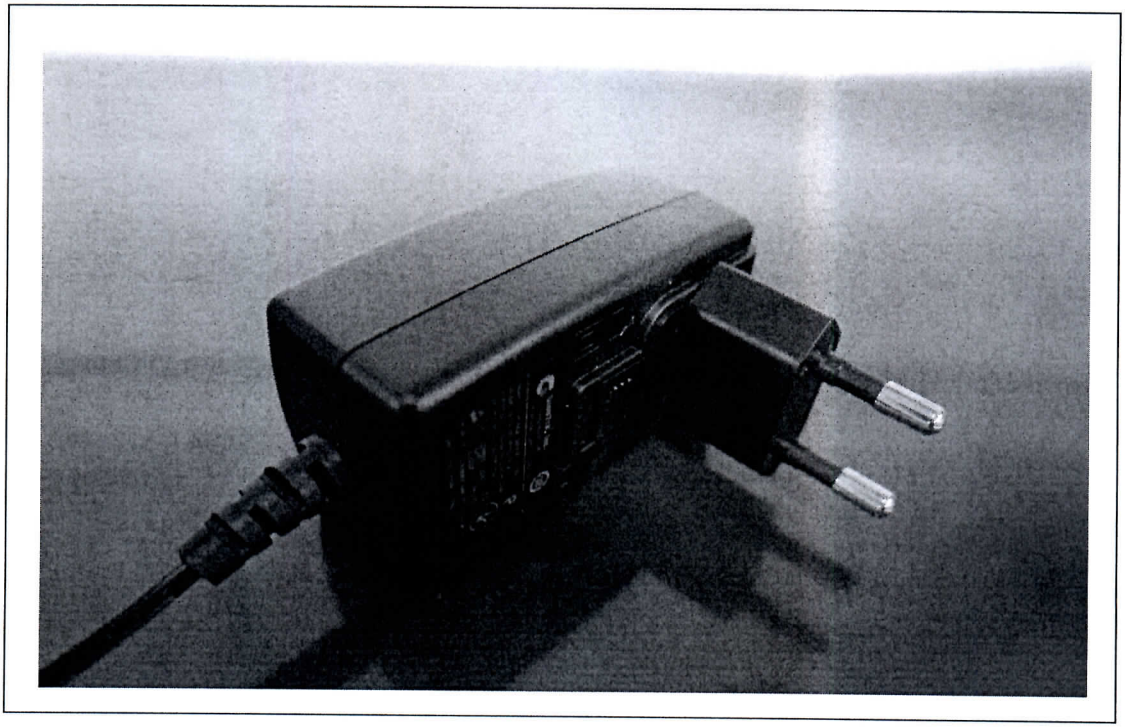
No.3 외부사진2



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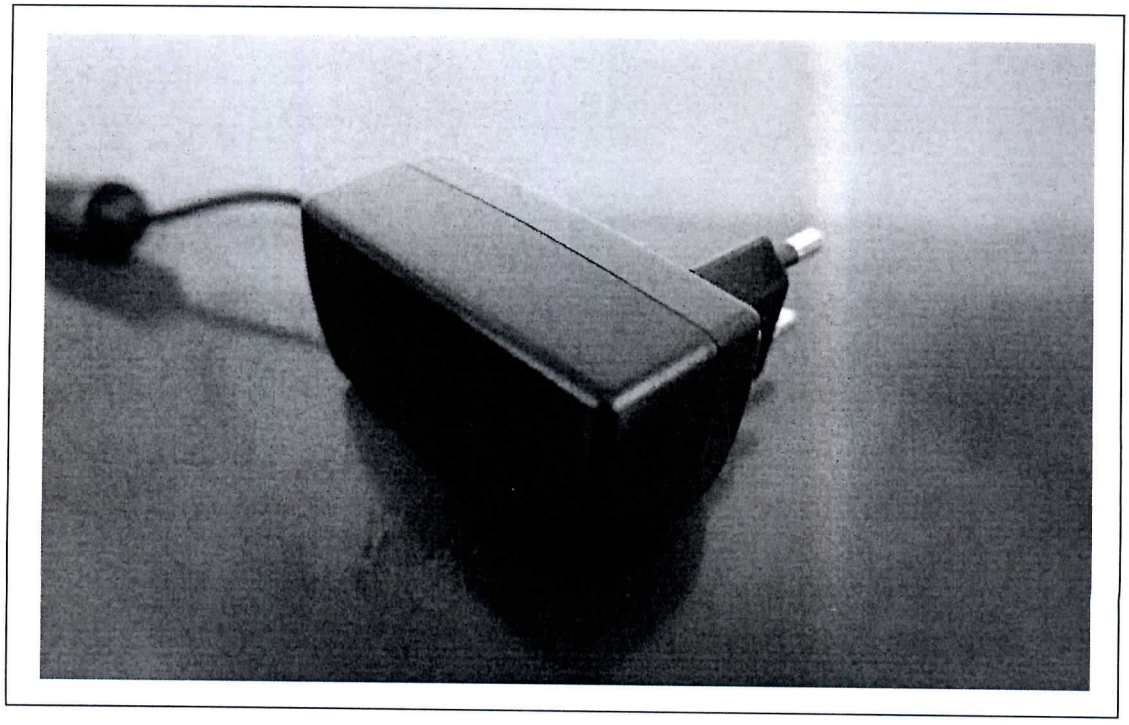

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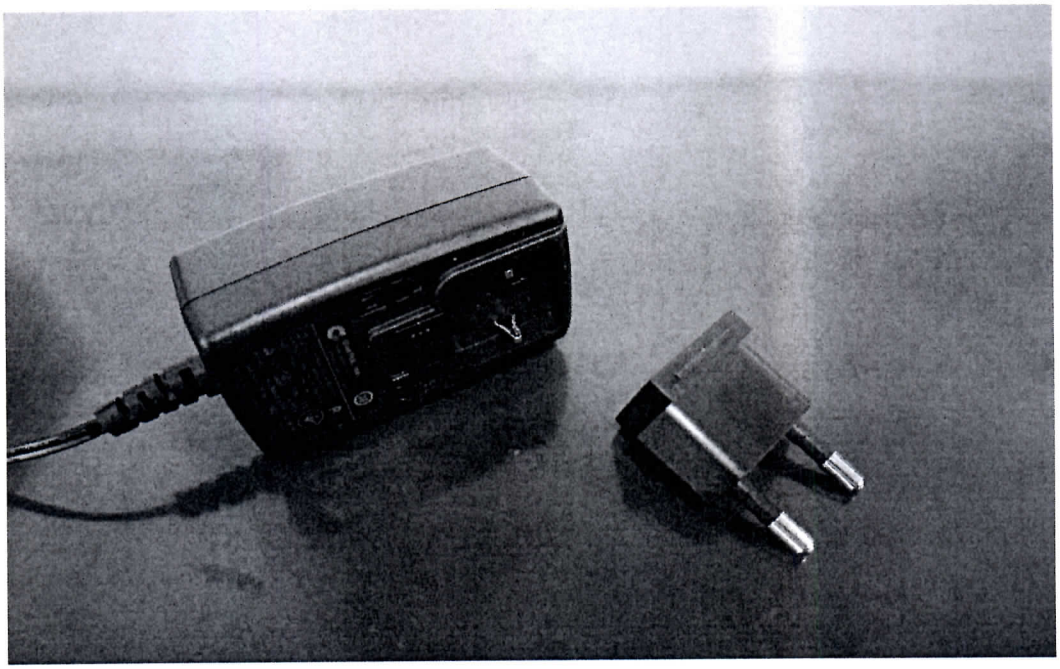
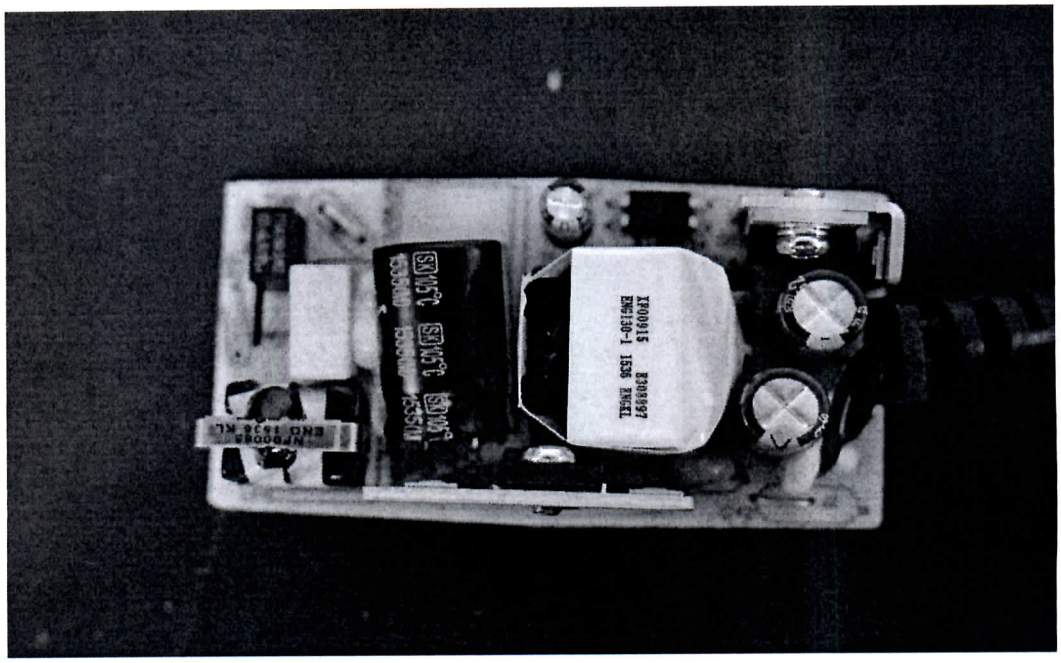
No.5 외부사진4



No.6 내부사진(부품면)



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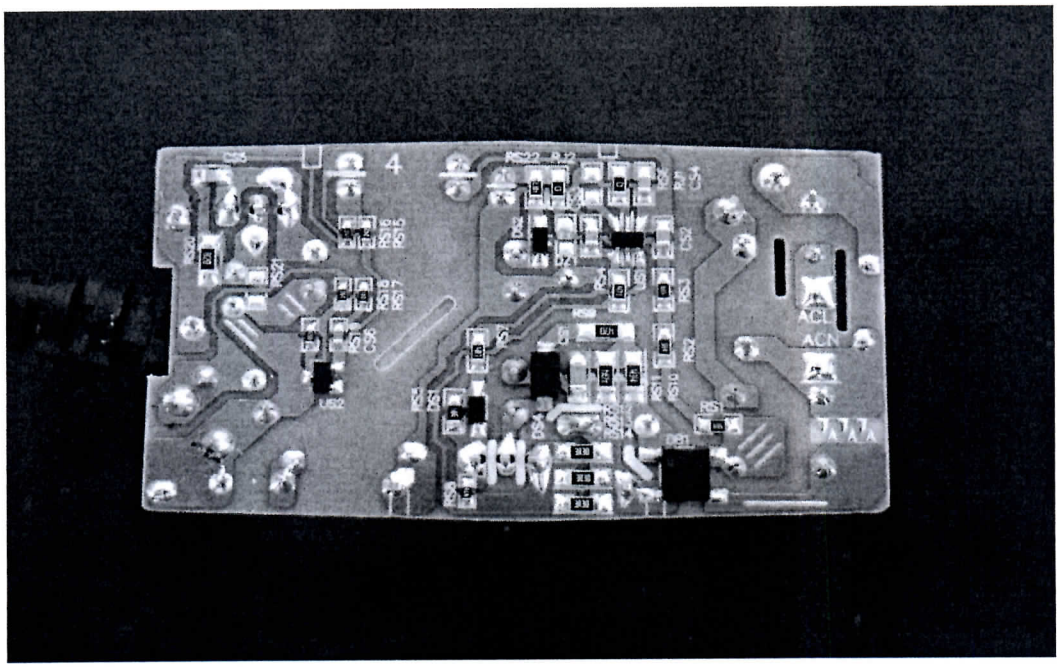
No.7 내부사진(PCB면)