

UL TEST REPORT AND PROCEDURE

Standard:	UL 60950-1, 2nd Edition, 2007-03-27 (Information Technology Equipment - Safety - Part 1: General Requirements) CSA C22.2 No. 60950-1-07, 2nd Edition, 2007-03 (Information Technology Equipment - Safety - Part 1: General Requirements)
Certification Type:	Listing
CCN:	QQGQ, QQGQ7 (Power Supplies for Information Technology Equipment Including Electrical Business Equipment)
Product:	Switching Power Adapter
Model:	GT-43004PWWWVV-X.X-TZ series: WWW is the rated output wattage designation, with a maximum value of "150"; VV is the standard rated output voltage designation, with a maximum value of "24"; -X.X is optional or blank and denotes the output voltage differentiator, subtracting or adding X.X volts from standard output voltage VV in 0.1V increments; Z presents different inlets, where "3" presents C14, "3A" presents C6.
Rating:	For models GT-43004PWWWVV-X.X-TZ series I/P: 100-240 Vac, 50-60 Hz, 2.0 A O/P: Please refer to Enclosure 7-01 for output ratings in detail.
Applicant Name and Address:	GLOBTEK (HONG KONG) LTD UNIT 1402, BENSON TOWER 74 HUNG TO RD KWUN TONG KOWLOON HONG KONG

This is to certify that representative samples of the products covered by this Test Report have been investigated in accordance with the above referenced Standards. The products have been found to comply with the requirements covering the category and the products are judged to be eligible for Follow-Up Service under the indicated Test Procedure. The manufacturer is authorized to use the UL Mark on such products which comply with this Test Report and any other applicable requirements of UL LLC ('UL') in accordance with the Follow-Up Service Agreement. Only those products which properly bear the UL Mark are considered as being covered by UL's Follow-Up Service under the indicated Test Procedure.

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Prepared by: Angela Au

Reviewed by: William R. Carney

Supporting Documentation

The following documents located at the beginning of this Procedure supplement the requirements of this Test Report:

- A. Authorization - The Authorization page may include additional Factory Identification Code markings.
- B. Generic Inspection Instructions -
 - i. Part AC details important information which may be applicable to products covered by this Procedure. Products described in this Test Report must comply with any applicable items listed unless otherwise stated in the body of this Test Report.
 - ii. Part AE details any requirements which may be applicable to all products covered by this Procedure. Products described in this Test Report must comply with any applicable items listed unless otherwise stated in the body of each Test Report.
 - iii. Part AF details the requirements for the UL Certification Mark which is not controlled by the technical standard used to investigate these products. Products are permitted to bear only the Certification Mark(s) corresponding to the countries for which it is certified, as indicated in each Test Report.

Product Description

Electronic components mounted on PWB and housed in plastic enclosure.

Model Differences

Report refers to original model numbers. See Enclosure Miscellaneous 7-02 for correlation between original models and models listed on Page 1 of report.

Model GT-43004P15024-T3 is identical to model GT-43004P15024-T3A except model designation.

- Models GT-43004PWWWVV-X.X-TZ are similar to each other except for transformer (T1), output rating, and model designation. (See Enclosure 7-01 for model differences in detail.)

For reference purposes, Z presents different inlets, where "3" presents C14, "3A" presents C6.

Technical Considerations

- Equipment mobility : movable
- Connection to the mains : pluggable A
- Operating condition : continuous
- Access location : operator accessible
- Over voltage category (OVC) : OVC II
- Mains supply tolerance (%) or absolute mains supply values : +10%, -10%
- Tested for IT power systems : No
- IT testing, phase-phase voltage (V) : N/A
- Class of equipment : Class I (earthed)
- Considered current rating (A) : 20A
- Pollution degree (PD) : PD 2
- IP protection class : IP X0
- Altitude of operation (m) : UP to 2000 m
- Altitude of test laboratory (m) : UP to 2000 m

- Mass of equipment (kg) : 0.87 kg
- The product was submitted and evaluated for use at the maximum ambient temperature (Tma) permitted by the manufacturer's specification of: 40 degree C
- The means of connection to the mains supply is: Pluggable A, Detachable power cord
- The product is intended for use on the following power systems: TN
- The equipment disconnect device is considered to be: Appliance inlet
- The following are available from the Applicant upon request: Installation (Safety) Instructions / Manual

Additional Information

- For project 11CA10064, employing the following revision:

- 1) Add new models GT-43004PWWWVV-X.X-TZ (WW=rated output wattage , VV=12, 15, 16, 18, 19) , Z presents different inlets, where "3" presents C14, "3A" presents C6.;
- 2) Add Transformer T1 (XF00735) for models GT-43004P12012-T3(3A); Transformer T1 (XF00734) for models GT-43004P12016-1.0-T3(3A), GT-43004P12015-T3(3A); Transformer T1 (XF00738) for models GT-43004P12019-1.0-T3(3A), GT-43004P12019-T3(3A);
- 3) Revise output cord temperature limit to 85 degree C;
- 4) Revise mfr. and type to "Various" for Line choke (LF1, LF2, L1) and Line Filter (L2);
- 5) Add Storage Capacitor (C4);
- 6) Revise Current sense resistor (R2) rating from 0.1ohm to 0.12ohm.

SR8222216:

Change model names to GT-43004PWWWVV-X.X-TZ series to present all original models.

Revision: SR8227620-T001

Transfer File from the File E336418, Vol. X7, E336418-A52 into the File E341351, Vol. X8, E341351-A45.

Revision: 331564.120431

Report Revision under E341351-A45 for model description.

Additional Standards

The product fulfills the requirements of: N/A

Markings and instructions

Clause Title	Marking or Instruction Details
Power rating - Ratings	Ratings (voltage, frequency/dc, current)
Power rating - Company identification	Listee's or Recognized company's name, Trade Name, Trademark or File Number
Power rating - Model	Model Number
Fuses - Rating	Rated current and voltage and type located on or adjacent to fuse or fuseholder.

Special Instructions to UL Representative Inspect the transformer(s) listed in Production-Line Testing Requirements per AA1.1- (C). When the tests are conducted at other location, inspect test record and specification sheet provided by the component manufacturer. Verify the specification sheet indicates 100% routine test specified in Production-Line Testing Requirements be conducted at the component manufacturer. Report refers to original model numbers for UL Representative inspection. See Enclosure Miscellaneous 7-02 for correlation between original models and models listed on Page 1 of report.	

Production-Line Testing Requirements						
<u>Electric Strength Test Special Constructions - Refer to Generic Inspection Instructions, Part AC for further information.</u>						
Model	Component	Removable Parts	Test probe location	V rms	V dc	Test Time, s
All models	Transformer (T1)	N/A	N/A	300 0	4242	1
<u>Earthing Continuity Test Exemptions - This test is not required for the following models:</u>						
--						
<u>Electric Strength Test Exemptions - This test is not required for the following models:</u>						
--						
<u>Electric Strength Test Component Exemptions - The following solid-state components may be disconnected from the remainder of the circuitry during the performance of this test:</u>						
--						
<u>Sample and Test Specifics for Follow-Up Tests at UL</u>						
Model	Component	Material	Test	Sample(s)	Test Specifics	
--	--	--	--	--	--	

TABLE: List of Critical Components

Object/part or Description	Manufacturer/ trademark	type/model	technical data	CCN	Marks of Conformity
Enclosure	Sabic innovative plastics us llc	SE1X	Two pieces construction, secured together by screws, rated V-1 or better, 105 degree C min.. see enclosure 4-12 for detail. (Minimum 2.5 mm thickness for top of enclosure, min. 2.5 mm thickness for side of enclosure, min. 2.5 mm thickness for bottom of enclosure)	QMFZ2	UL
Appliance Inlet (CON1) For models with suffix T3	Tecx-unions technology corp	TU-301-SP	Rated 250Vac, 15A, 105 degree C min.	AXUT2	UL
Appliance Inlet (CON1) For models with suffix T3 - (Alternate)	Solteam electronics co ltd	ST-01 Series	Rated 250Vac, 15A, 75 degree C min.	AXUT2	UL
Appliance Inlet (CON1) For models with suffix T3 - (Alternate)	Rich bay co ltd	R-301SN	Rated 250Vac, 15A, 105 degree C min.	AXUT2	UL
Appliance Inlet (CON1) For models with suffix T3 - (Alternate)	Supercom electronics co ltd	SC-8R Series	Rated 250Vac, 15A, 75 degree C min.	AXUT2	UL
Appliance Inlet (CON1) For models with suffix T3 - (Alternate)	Sun fair electric wire & cable (hk) co ltd	S-03	Rated 250Vac, 10A, 75 degree C min.	AXUT2	UL
Appliance Inlet (CON1) For models with suffix T3 - (Alternate)	Yueqing yanhui electronic co ltd	DB-14	Rated 250Vac, 15A, 75 degree C min.	AXUT2	UL
Appliance Inlet (CON1) For models with suffix T3A	Tecx-Unions Technology Corp	TU-333	Rated 250Vac, 2.5 A. Temperature on body for the component shall not exceed 105 degree C	AXUT2	UL
Appliance Inlet (CON1) For models with suffix T3A - (Alternate)	Supercom Wire & Cable Co Ltd	SC-14	Rated 250Vac, 2.5 A. Temperature on body for the component shall not exceed 75 degree C	AXUT2	UL
Appliance Inlet (CON1) For models with suffix T3A - (Alternate)	SUN FAIR ELECTRIC WIRE & CABLE (HK) CO LTD	S-02	Rated 250Vac, 2.5 A. Temperature on body for the component shall not exceed 75 degree C	AXUT2	UL
Appliance Inlet (CON1)	Yueqing Leci	DB-6	Rated 250Vac, 2.5 A. Temperature on body for the	AXUT2	UL

Object/part or Description	Manufacturer/ trademark	type/model	technical data	CCN	Marks of Conformity
For models with suffix T3A - (Alternate)	Electronics Co Ltd		component shall not exceed 75 degree C		
Appliance Inlet (CON1) For models with suffix T3A - (Alternate)	Solteam electronics co ltd	ST-03	Rated 250Vac, 2.5A, 85 degree C min.	AXUT2	UL
Appliance Inlet (CON1) For models with suffix T3A - (Alternate)	Rich bay co ltd	R-30790	Rated 250Vac, 2.5A, 105 degree C min.	AXUT2	UL
Fuse (FS1)	Various	Various	Listed, T4.0A, 250Vac	JDYX	UL
Fuse (FS1) (Alternate)	Conquer electronics co ltd	MST	Rated T4.0A, 250Vac.	JDYX2	UL
Fuse (FS1) (Alternate)	Ever island electric co ltd & walter electric	2010	Rated T4.0A, 250Vac.	JDYX2	UL
Fuse (FS1) (Alternate)	Cooper bussmann inc	SS-5	Rated T4.0A, 250Vac.	JDYX2	UL
Fuse (FS1) (Alternate)	Bel fuse inc	RST	Rated T4.0A, 250Vac.	JDYX2	UL
Fuse (FS1) (Alternate)	Hollyland co ltd	5ET	Rated T4.0A, 250Vac.	JDYX2	UL
Thermistor (THR1) (Optional)	--	--	Rated max. 5 A, min.2.5 ohm, at 25 degree C	--	--
Varistor (MOV1) (Optional)	Various	Various	Rated Min. 300V, 385Vdc	VZCA2	UL
Varistor (MOV1) (Optional)	Centra science corp	10D471K	Rated min. 300 Vac, min. 385 Vdc	VZCA2	UL
Varistor (MOV1) (Optional) (Alternate)	Joyin co ltd	10N471K	Rated min. 300 Vac, min. 385 Vdc	VZCA2	UL
Varistor (MOV1) (Optional) (Alternate)	Thinking electronic industrial co ltd	TVR 10471K	Rated min. 300 Vac, min. 385 Vdc	VZCA2	UL
Varistor (MOV1) (Optional) (Alternate)	Ceramate technical co., ltd.	GNR 10D471K	Rated min. 300 Vac, min. 385 Vdc	VZCA2	UL
Varistor (MOV1) (Optional) (Alternate)	Success electronics co ltd	SVR10D 471K	Rated min. 300 Vac, min. 385 Vdc	VZCA2	UL
Line choke (LF1)	Various	Various	See enclosure 4-01 for details, class 130 degree C	--	--

Object/part or Description	Manufacturer/ trademark	type/model	technical data	CCN	Marks of Conformity
(Optional)			minimum.		
- Coil	--	--	130 degree C, ANSI TYPE MW28 or MW75 or MW79 or MW80	OBMW2	UL
- Core	--	--	Ferrite, dimension ID: 9 mm, OD: 14 mm Max. by 8.0 mm	--	--
- Varnish	Various	Various	Minimum 130 degree C	OBOR2	UL
Line choke (LF2) (Optional)	Various	Various	See enclosure 4-02 for details, class 130 degree C minimum.	--	--
- Coil	--	--	130 degree C, ANSI TYPE MW28 or MW75 or MW79 or MW80	OBMW2	UL
- Core	--	--	Ferrite, dimension ID:23 mm, OD: 13 mm Max. by 15 mm	--	--
- Varnish	Various	Various	Minimum 130 degree C	OBOR2	UL
Line choke (L1) (Optional)	Various	Various	See enclosure 4-03 for details, class 130 degree C minimum.	--	--
- Coil	--	--	130 degree C, ANSI TYPE MW28 or MW75 or MW79 or MW80	OBMW2	UL
- Core	--	--	Ferrite, dimension 22 mm by 9 mm by 8.5 mm	--	--
- Varnish	Various	Various	Minimum 130 degree C	OBOR2	UL
Line Filter (L2) (Optional)	Various	Various	See enclosure 4-04 for details, class 130 degree C minimum.	--	--
- Coil	--	--	130 degree C, ANSI TYPE MW28 or MW75 or	OBMW2	UL

Object/part or Description	Manufacturer/ trademark	type/model	technical data	CCN	Marks of Conformity
			MW79 or MW80		
- Core	--	--	Ferrite, dimension 20.5 mm by 19.1 mm by 20 mm	--	--
- Bobbin	Sumitomo bakelite co ltd	PM-9820	Phenolic, rated V-0, max. 150 degree C, measured min 1.0 mm thick	QMFZ2	UL
- Bobbin (Alternate)	Chang chun plastics co ltd	T375J	Phenolic, rated V-0, max. 150 degree C, measured min 1.0 mm thick	QMFZ2	UL
- Tape	Various	Various	Minimum 130 degree C	OANZ2	UL
- Varnish	Various	Various	Minimum 130 degree C	OBOR2	UL
Bridge Diode (BD1)	--	--	Rated 6A, minimum 600 V.	--	--
Bleeder Resistor (RS1,RS2)	--	--	Each Rated 1.8M ohm, 1/4W, in series, SMD type.	--	--
Storage Capacitor (C1,C2)	--	--	Rated 450 V, max. 1uf, min. 105 degree C, provided with integral pressure relief	--	--
Storage Capacitor (C4)	--	--	Rated 450 V, max. 150uf, min. 105 degree C, provided with integral pressure relief	--	--
Transistor (Q2)	--	--	Rated 11A, minimum 600 V.	--	--
Transistor (Q1)	--	--	Rated 18A, minimum 500 V.	--	--
Current sense resistor (R2)	--	--	Rated 0.12ohm, 3W.	--	--
Semiconductor IC (US1)	--	--	Rated 32V, 3.0mA.	--	--
X-Capacitor (CX1) (Optional)	Cheng tung industrial co ltd	CTX	Rated max 0.47 uF, min 250 V, X1 or X2 type, 100 degree C. (Compliance with IEC 60384-14)	FOWX2	UL
X-Capacitor (CX1) (Optional) (Alternate)	Tenta electric industrial co ltd	MEX	Rated max 0.47 uF, min 250 V, X1 or X2 type, 100 degree C. (Compliance with IEC 60384-14)	FOWX2	UL
X-Capacitor (CX1) (Optional) (Alternate)	Ultra tech xiphi enterprise co ltd	HQX	Rated max 0.47 uF, min 250 V, X1 or X2 type, 100 degree C. (Compliance with IEC 60384-14)	FOWX2	UL
X-Capacitor (CX1) (Optional) (Alternate)	Carli electronics co ltd	MPX	Rated max 0.47 uF, min 250 V, X1 or X2 type, 100 degree C. (Compliance with IEC 60384-14)	FOWX2	UL
X-Capacitor (CX1) (Optional) (Alternate)	Joey electronics (dong guan) co ltd	MPX	Rated max 0.47 uF, min 250 V, X1 or X2 type, 100 degree C. (Compliance with IEC 60384-14)	FOWX2	UL
Y capacitor (CY1) (Optional)	Success electronics co ltd	SE	Max.1000pF, min. 250 Vac, 125 degree C, Y1 type. (Compliance with IEC 60384-14)	FOWX2	UL

Object/part or Description	Manufacturer/ trademark	type/model	technical data	CCN	Marks of Conformity
Y capacitor (CY1) (Optional) (Alternate)	Tdk-epc corp	CD	Max.1000pF, min. 250 Vac, 125 degree C, Y1 type. (Compliance with IEC 60384-14)	FOWX2	UL
Y capacitor (CY1) (Optional) (Alternate)	Walsin technology corp	AH	Max.1000pF, min. 250 Vac, 125 degree C, Y1 type. (Compliance with IEC 60384-14)	FOWX2	UL
Y capacitor (CY1) (Optional) (Alternate)	Haohua electronic co	CT 7	Max.1000pF, min. 250 Vac, 125 degree C, Y1 type. (Compliance with IEC 60384-14)	FOWX2	UL
Y capacitor (CY2) (Optional)	Success electronics co ltd	SE	Max.3300pF, min. 250 Vac, 125 degree C, Y1 type. (Compliance with IEC 60384-14)	FOWX2	UL
Y capacitor (CY2) (Optional) (Alternate)	Tdk-epc corp	CD	Max.3300pF, min. 250 Vac, 125 degree C, Y1 type. (Compliance with IEC 60384-14)	FOWX2	UL
Y capacitor (CY2) (Optional) (Alternate)	Walsin technology corp	AH	Max.3300pF, min. 250 Vac, 125 degree C, Y1 type. (Compliance with IEC 60384-14)	FOWX2	UL
Y capacitor (CY2) (Optional) (Alternate)	Haohua electronic co	CT 7	Max.3300pF, min. 250 Vac, 125 degree C, Y1 type. (Compliance with IEC 60384-14)	FOWX2	UL
Optical Isolators (U1)	Lite-on technology corp	LTV817	Isolation: 5000 Vac, minimum. 0.4 mm distance through insulation, minimum 100 degree C.	FPQU2	UL
Optical Isolator (U1) (Alternate)	Everlight electronics co ltd	EL817	Isolation: 5000 Vac, minimum. 0.4 mm distance through insulation, minimum 100 degree C.	FPQU2	UL
Optical Isolator (U1) (Alternate)	Cosmo electronics corp	K1010	Isolation: 5000 Vac, minimum. 0.4 mm distance through insulation, minimum 100 degree C.	FPQU2	UL
Transformer (T1) F for models with output 24V.		XF00722	See below and enclosure 4-15 for details	--	--
Transformer (T1) for models with output 12V.		XF00735	See below and enclosure 4-16 for details	--	--
Transformer (T1) for models with output 15V, 16V.		XF00734	See below and enclosure 4-17 for details	--	--
Transformer (T1) for models with output 18V, 19V.		XF00738	See below and enclosure 4-18 for details	--	--
- Insulation system for Transformer (T1)		130-1	Insulation system Class B (130 degree C)	OBJY2	UL

Object/part or Description	Manufacturer/ trademark	type/model	technical data	CCN	Marks of Conformity
- Core	--	--	EE type, Ferrite, dimension 32.3mm by 22.5mm by 27mm	--	--
- Coil	Various	Various	130 degree C, ANSI TYPE MW28 or MW75 or MW79 or MW80	OBMW2	UL
- Bobbin	Chang chun plastics co., ltd.	T375J	V-0, 150degree C, Phenolic, thickness 0.8mm minimum	QMFZ2	UL
- Bobbin (Alternate)	Sumitomo bakelite co ltd	PM-9820	V-0, 150degree C, Phenolic, thickness 0.71mm minimum	QMFZ2	UL
- Tubing/Sleeving	Great holding industrial co. Ltd.	TFL, TFS, TFT	Rated 200 degree C, 600V max.	YDPU2	UL
- Triple Insulated Wire	Great leoflon industrial co. Ltd.	TRW(B)	130 degree C	OBJT2	UL
- Varnish	John c. Dolph co.	BC-346A	Rated minimum 200 degree C.	OBOR2	UL
- Varnish (Alternate)	P d george/viking	V1630FS	Rated minimum 130 degree C.	OBOR2	UL
- Insulation Tape	3m company	1350T-1	130 degree C.	OANZ2	UL
- Insulation Tape (Alternate)	3m company	1350F(#)	130 degree C.	OANZ2	UL
- Insulation Tape (Alternate)	3m company	44	130 degree C.	OANZ2	UL
- Insulation Tape (Alternate)	Bondtec pacific co., ltd.	370S	130 degree C.	OANZ2	UL
Internal Glue Materials	Various	Various	Rated V-2 minimum.	QMFZ2	UL
Internal Plastic Part Materials(Optional)	--	--	Rated minimum V-2.	QMFZ2	UL
Output cord	Various	Various	85 degree C minimum, 300 V minimum, 3.05 m long maximum, jacketed, marked VW-1 or FT-1, mechanically secured and soldered to PWB.	AVLV2	UL
Strain Relief Of Output Cord	Various	Various	PVC bushing integrally molded on output cord. Provided when Output Cord provided. See enclosure 4-13, for details.	QMFZ2	UL
PWB	Various	Various	V-1 or better, minimum 130 degree C.	ZPMV2	UL
Label	Various	Various	Minimum 75 degree C. if maximum surface temperature not specified.	PGDQ2, PGJ12	UL

Object/part or Description	Manufacturer/ trademark	type/model	technical data	CCN	Marks of Conformity
Power supply cord (Optional)	Various	Various	Detachable, max. 4.5 m (14.76 ft.) long, min. 1.5m, Type SVT or SJT or SPT-2 flexible cord, rated min. 125 V if one end terminated in NEMA 5-15P grounding type attachment plug; rated minimum 250 V if one end terminated in NEMA 6-15P grounding type attachment plug, the other end in an appliance coupler.	ZJCZ and RTRT and AXUT, or ELBZ	UL
Heat Sink (HS1)	--	--	Aluminum, see enclosure 4-07 for details.	--	--
Heat Sink (HS2)	--	--	Aluminum, see enclosure 4-08 for details.	--	--
Heat Sink (HS3)	--	--	Aluminum, see enclosure 4-09 for details.	--	--
Heat Sink (HS4)	--	--	Aluminum, see enclosure 4-10 for details.	--	--
Heat Sink (HS5)	--	--	Aluminum, see enclosure 4-11 for details.	--	--
Heat Sink (for BD1)	--	--	Aluminum, see enclosure 4-14 for details.	--	--
Insulation Tape (on HS1,HS3,HS4)	3m company	1350T-1	130 degree C, see enclosure 4-07, 4-09,, 4-10 for details.	OANZ2	UL
Insulation Tape (on HS1,HS3,HS4)	3m company	1350F(#)	130 degree C, see enclosure 4-07, 4-09,, 4-10 for details.	OANZ2	UL
Insulation Tape (on HS1,HS3,HS4)	3m company	44	130 degree C, see enclosure 4-07, 4-09,, 4-10 for details.	OANZ2	UL
Mylar sheet	Formex,div of il tool works inc,frmrlly fastex,div of il tool works inc	FORMEX GK	Rated VTM-0 mimum, 0.45mm minimum thickness, see enclosure 4-xx for details.	QMFZ2	UL
Mylar Sheet (Alternate)	Skc co ltd	SH71S	Rated VTM-2 minimum, 0.45mm minimum thickness, see enclosure 4-xx for details.	QMFZ2	UL
Mylar Sheet (Alternate)	Tsao ru co ltd	PP-TR45	Rated V-0 minimum, 0.45mm minimum thickness, see enclosure 4-xx for details.	QMFZ2	UL
Mylar Sheet (Alternate)	Mianyang longhua film co ltd	PP-WT16	Rated V-0 minimum, 0.45mm minimum thickness, see enclosure 4-xx for details.	QMFZ2	UL
Metal foil	--	--	Sheet Aluminum, ,see enclosure 4-05 for details.	--	--
Earthing/ bonding	--	--	Green/Yellow, 18 AWG minimum, one end mechanically secured then soldered to earthing terminal of Appliance Inlet and wrapped by	AVLV2	UL

Issue Date: 2011-12-14
2014-03-24

Page 12 of 14

Report Reference #

E341351-A45-UL

Object/part or Description	Manufacturer/ trademark	type/model	technical data	CCN	Marks of Conformity
			tubing; the other end soldered to PWB and fixed by glue, See enclosure 3-03 for detail.		
Internal Wiring (Earthing/ bonding Wining)	Various	Various	FEP, PTFE, PVC, TFE, neoprene, polyimide or marked VW-1; minimum 300 V, minimum 80 degree C.	AVLV2	UL

Enclosures

<u>Type</u>	<u>Supplement Id</u>	<u>Description</u>
Photographs	3-01	Overall Front View
Photographs	3-02	Overall Rear View
Photographs	3-03	Overall Front View (output cord connector type I)
Photographs	3-04	Overall Front View (output cord connector type II)
Photographs	3-05	Overall Front View (output cord connector type III)
Photographs	3-06	Internal View-1 (Top)
Photographs	3-07	Internal View-2 (Bottom)
Photographs	3-08	Internal View-3 (Without Enclosure)
Photographs	3-09	Internal View-4, Power board Top Side
Photographs	3-10	Internal View-5, Power board Top Side (alternate protective bonding location)
Photographs	3-11	Internal View-6, Power board Bottom Side
Diagrams	4-01	Line Choke Spec. (LF1)
Diagrams	4-02	Line Choke Spec. (LF2)
Diagrams	4-03	Line Choke Spec. (L1)
Diagrams	4-04	Line Filter Spec. (L2)
Diagrams	4-05	Metal foil
Diagrams	4-06	Mylar Sheet
Diagrams	4-07	Heat Sink Spec. (HS1)
Diagrams	4-08	Heat Sink Spec. (HS2)
Diagrams	4-09	Heat Sink Spec. (HS3)
Diagrams	4-10	Heat Sink Spec. (HS4)
Diagrams	4-11	Heat Sink Spec. (HS5)
Diagrams	4-12	Enclosure Spec
Diagrams	4-13	Strain relief of output cord and output cords spec
Diagrams	4-14	Heat Sink Spec. (For BD1)
Diagrams	4-15	Transformer (T1) (P/N: XF00722)
Diagrams	4-16	Transformer (T1) (P/N: XF00735)
Diagrams	4-17	Transformer (T1) (P/N: XF00734)
Diagrams	4-18	Transformer (T1) (P/N: XF00738)
Schematics + PWB	5-01	Power Board Layout
Manuals		
Miscellaneous	7-01	Model Differences list

Issue Date: 2011-12-14
2014-03-24

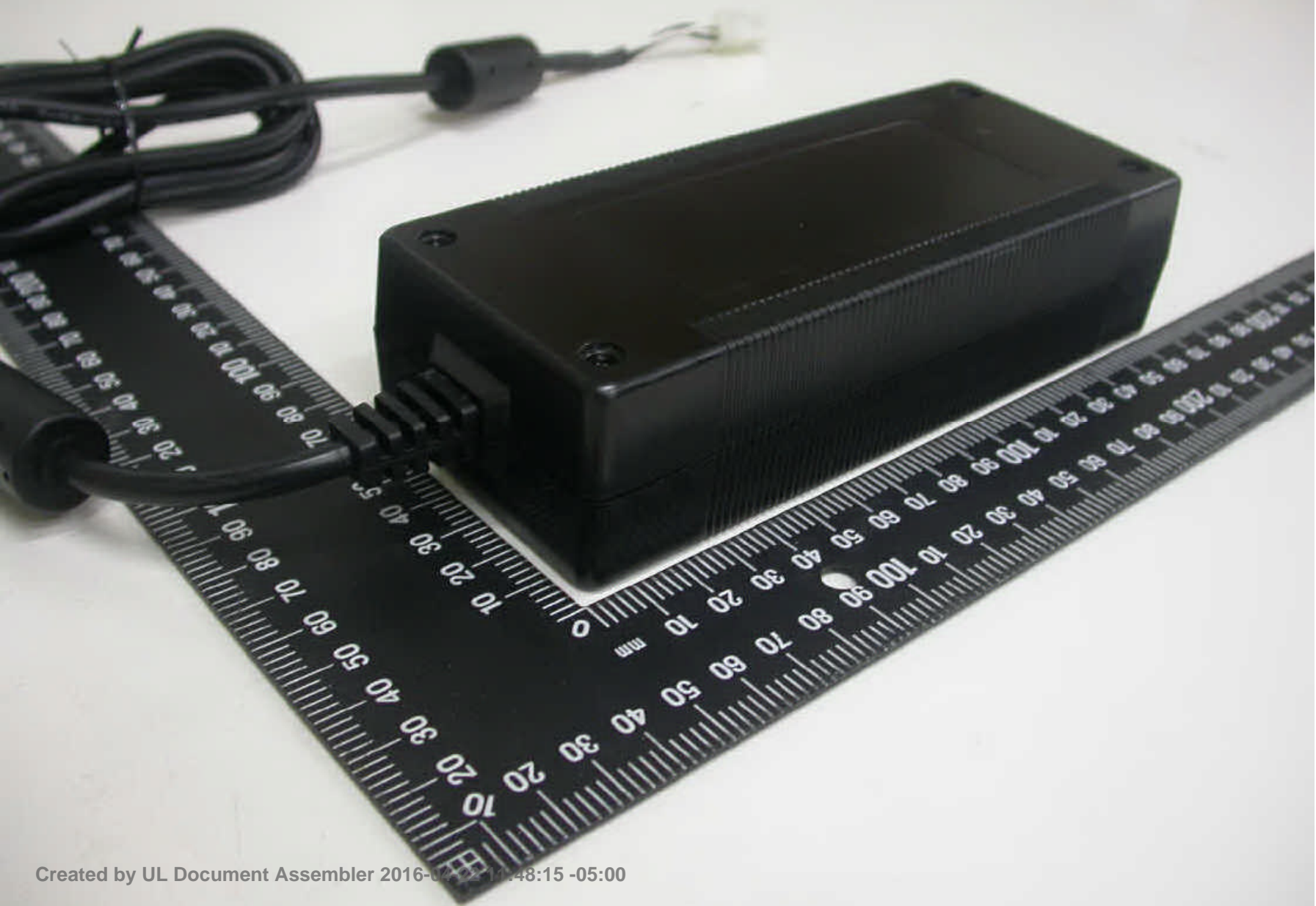
Page 14 of 14

Report Reference #

E341351-A45-UL

Miscellaneous	7-02	Revised model names list
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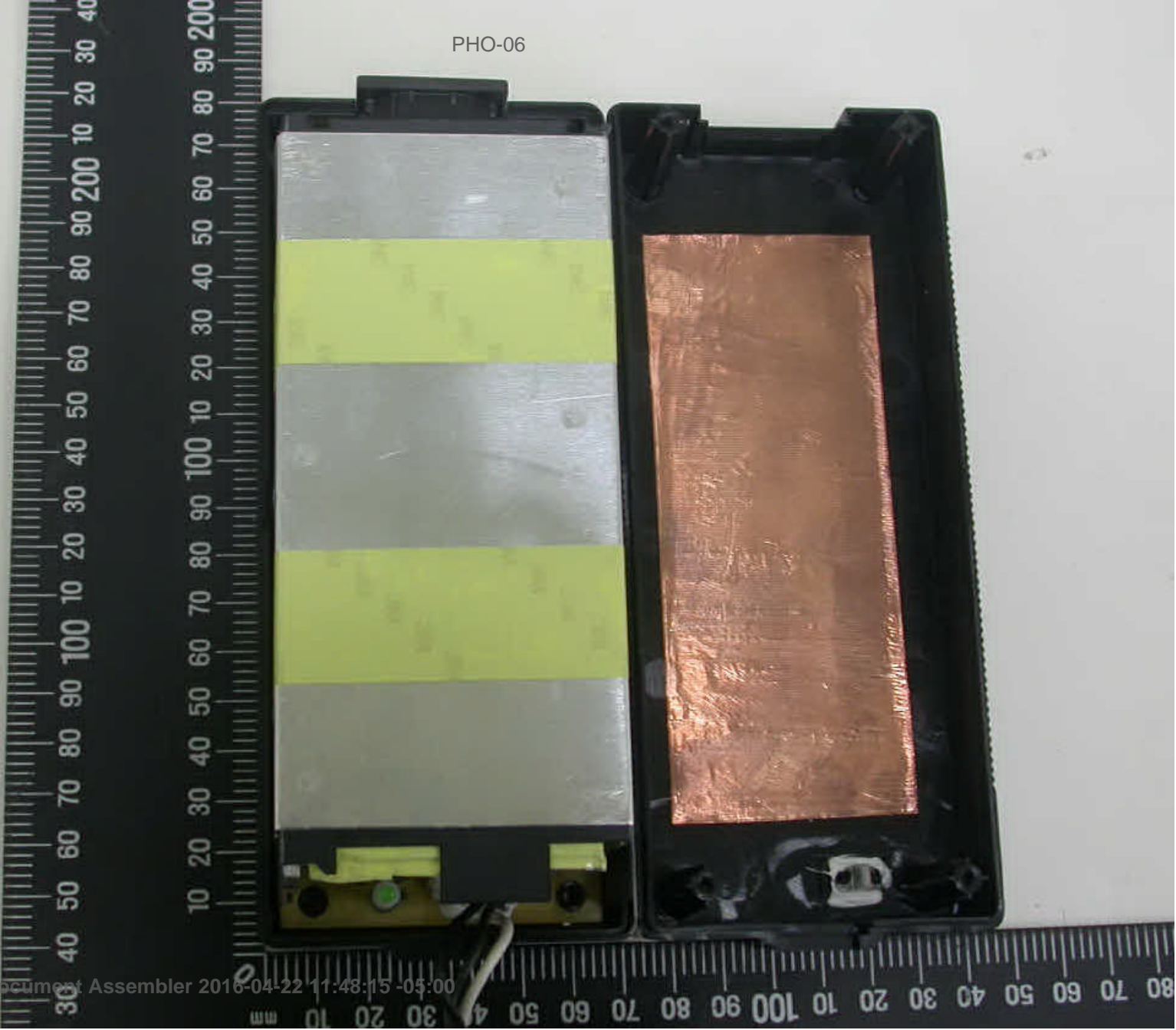


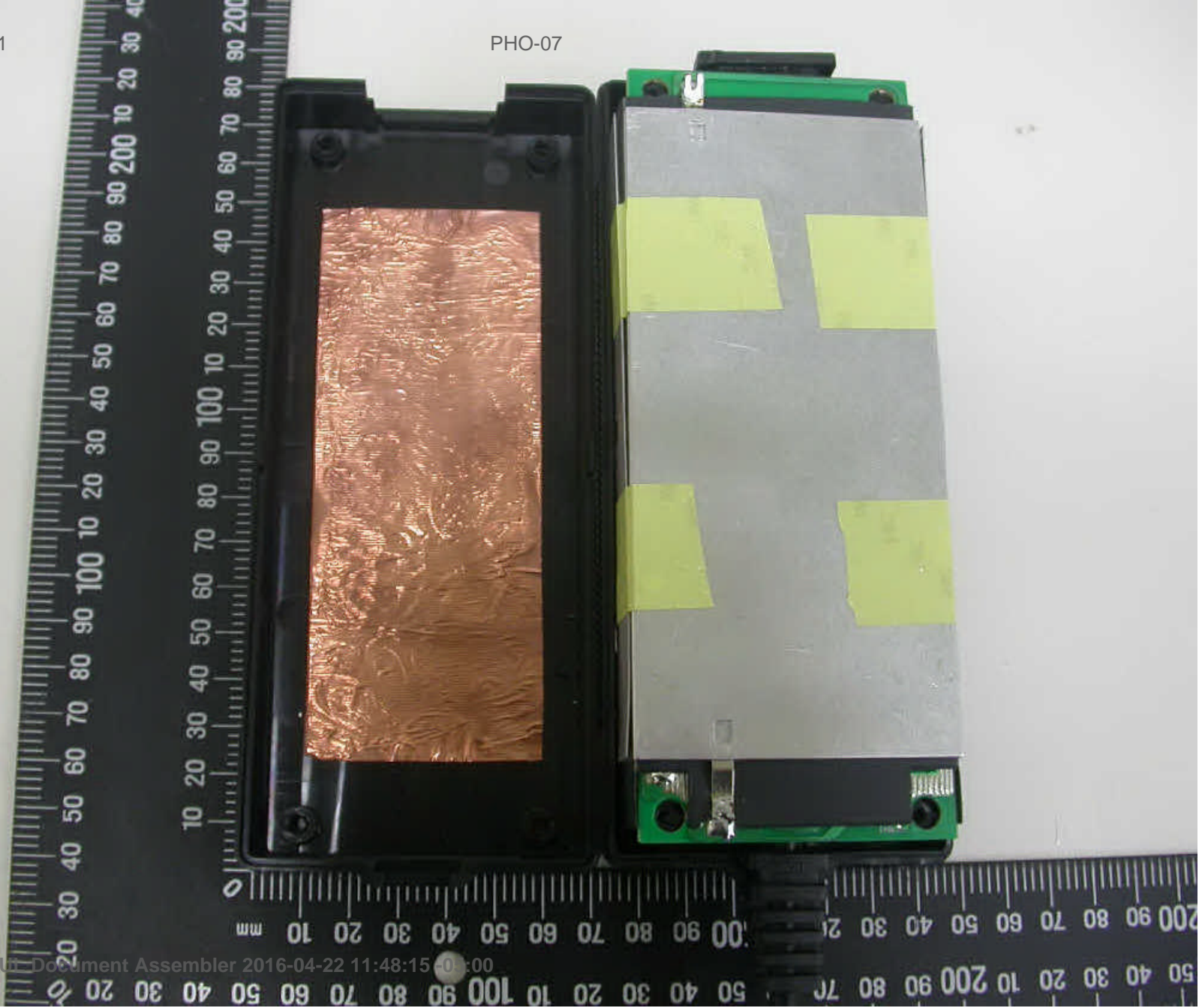


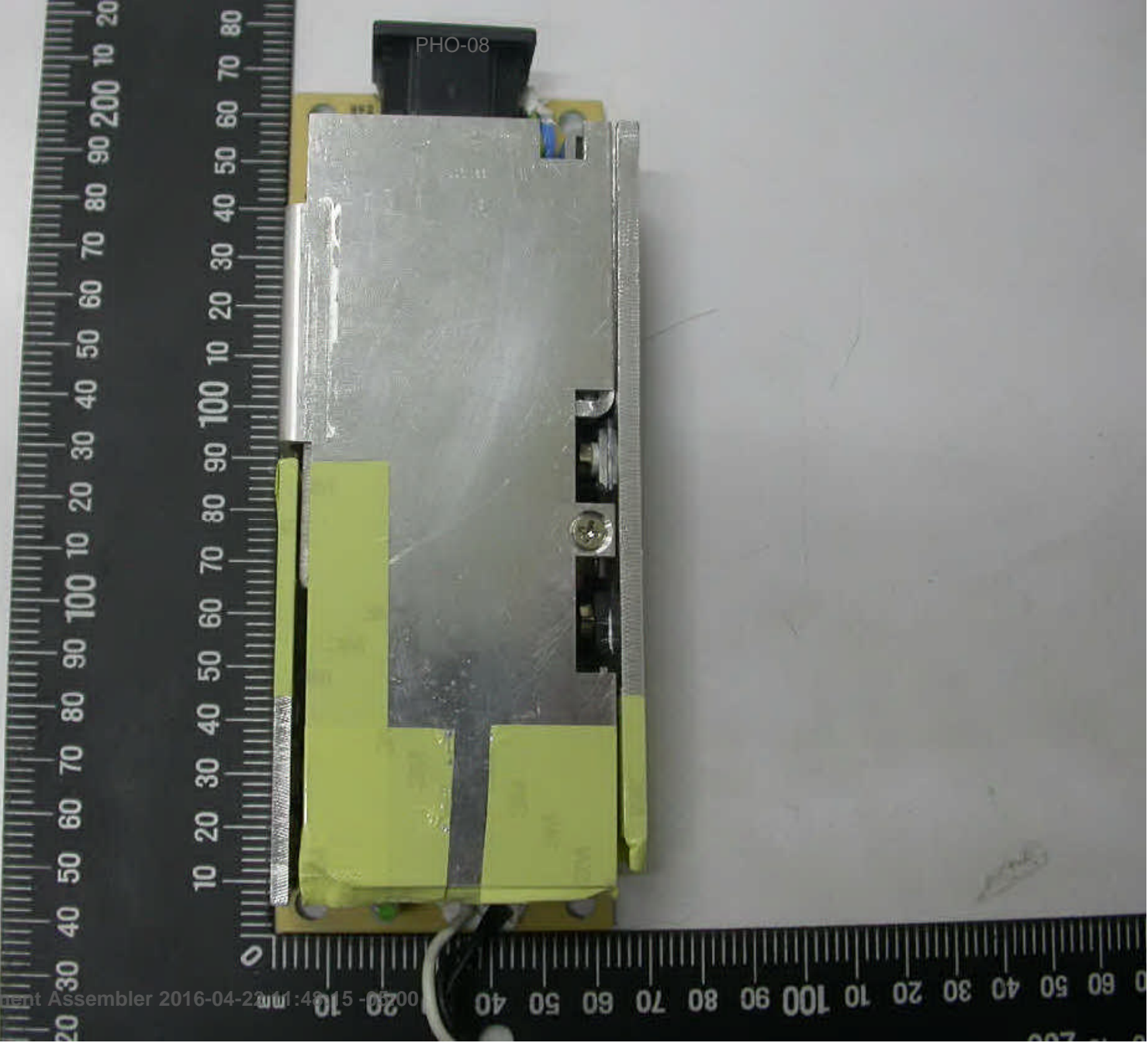






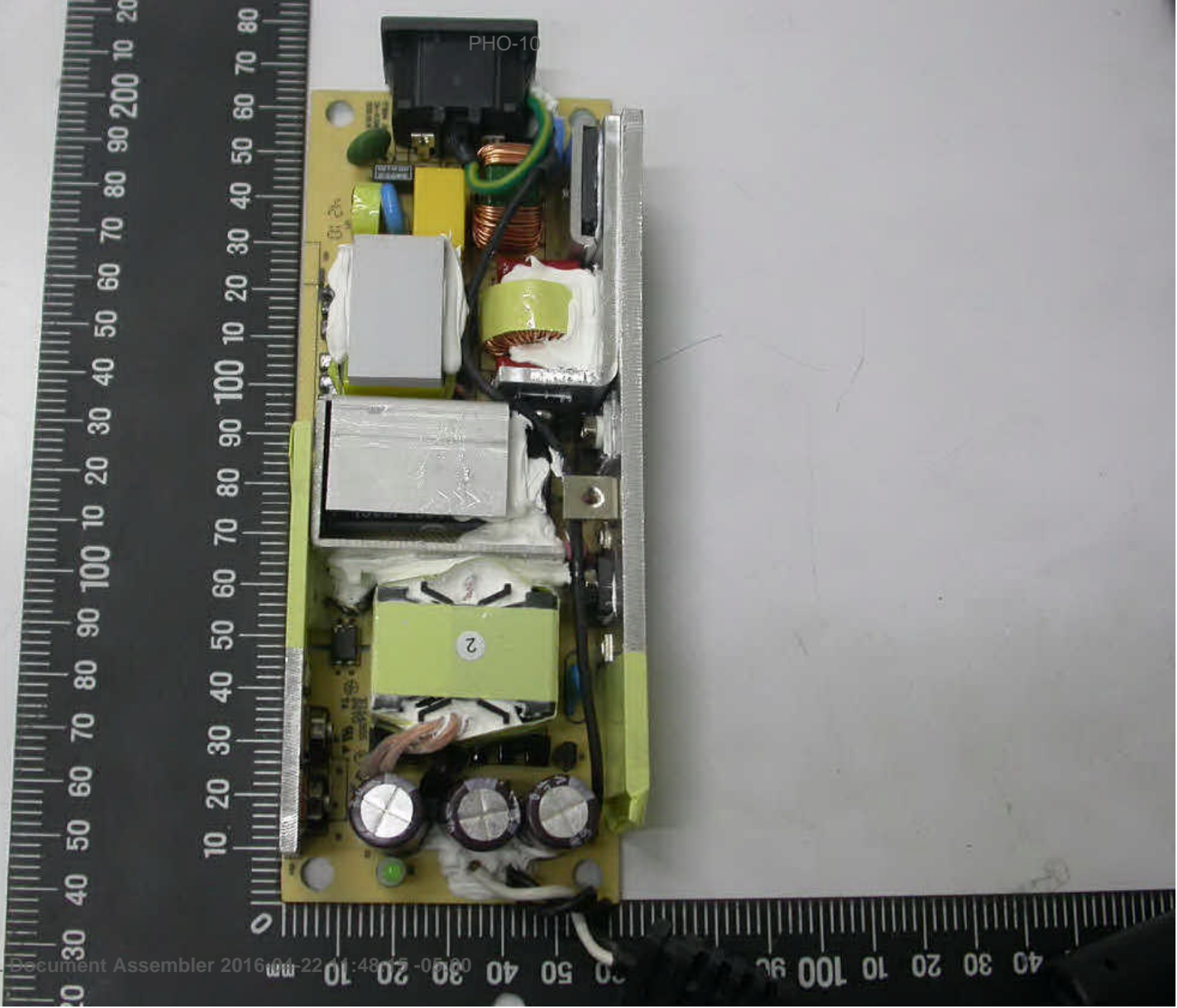




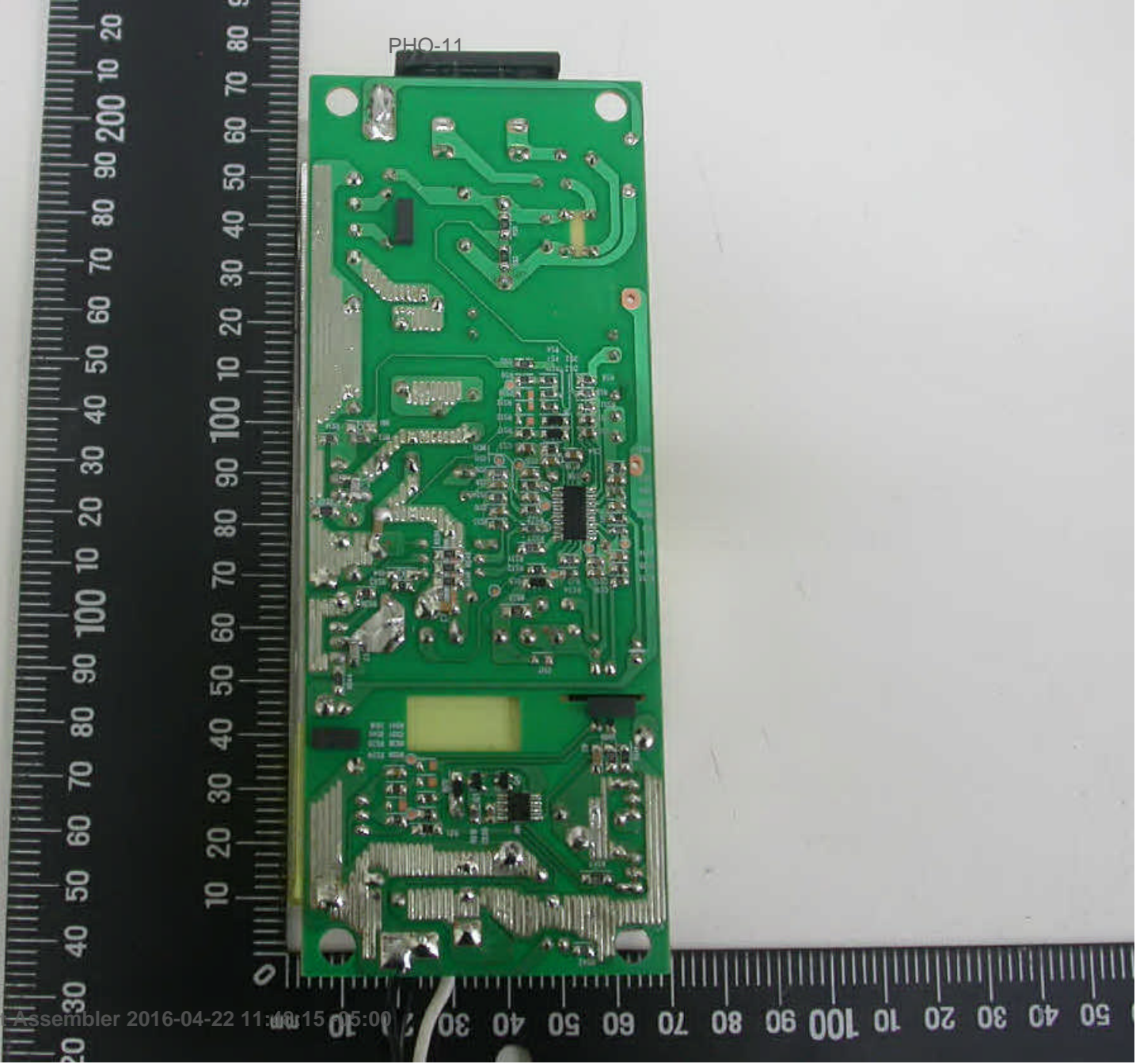


PHO-08

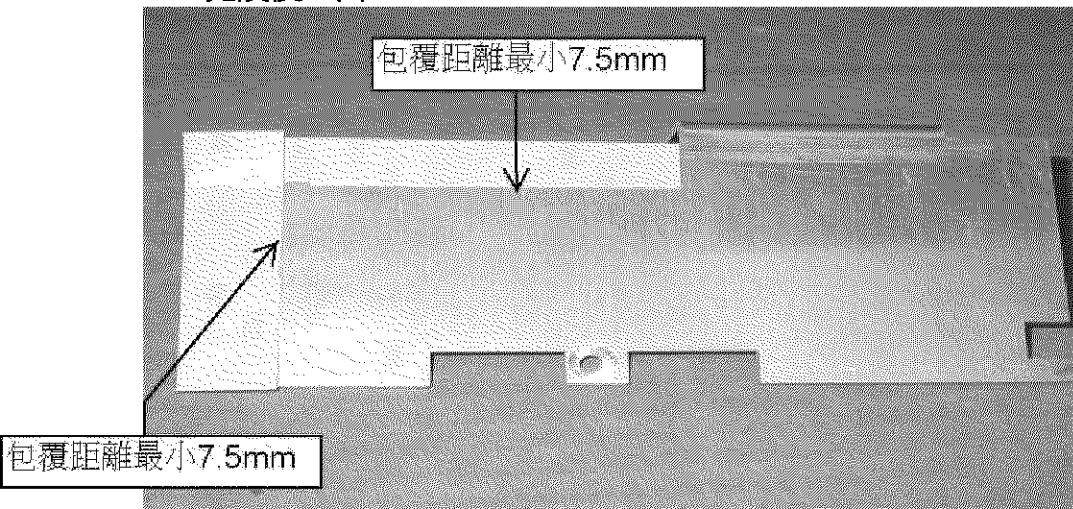




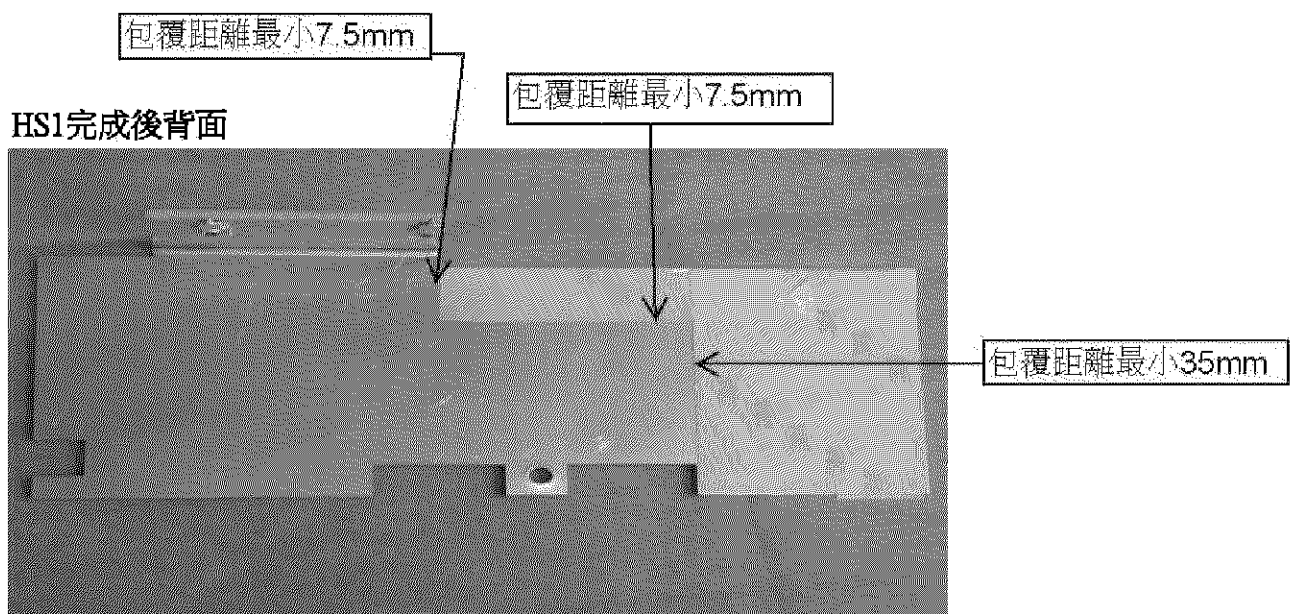
PHO-10



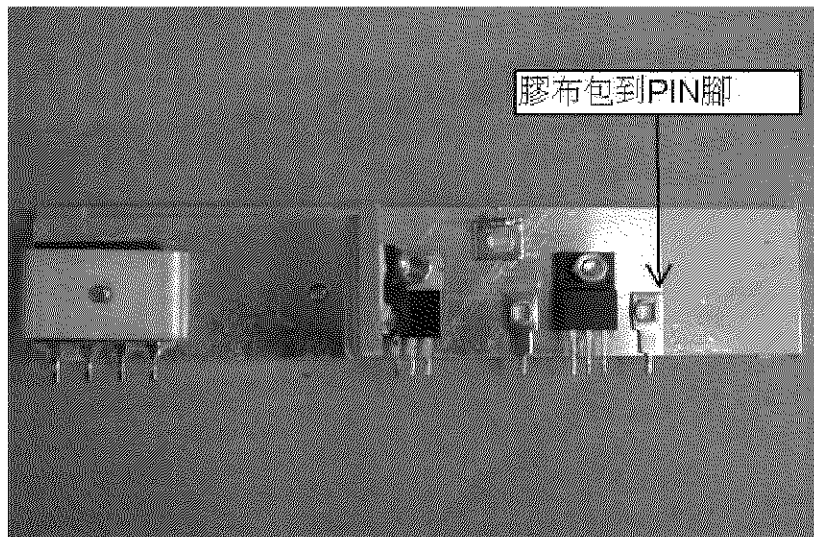
HS1完成後正面



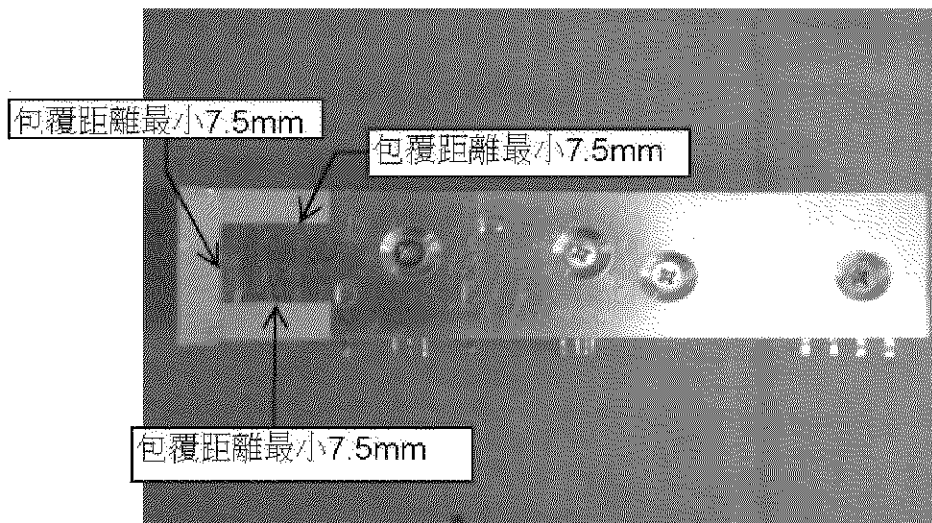
HS1完成後背面



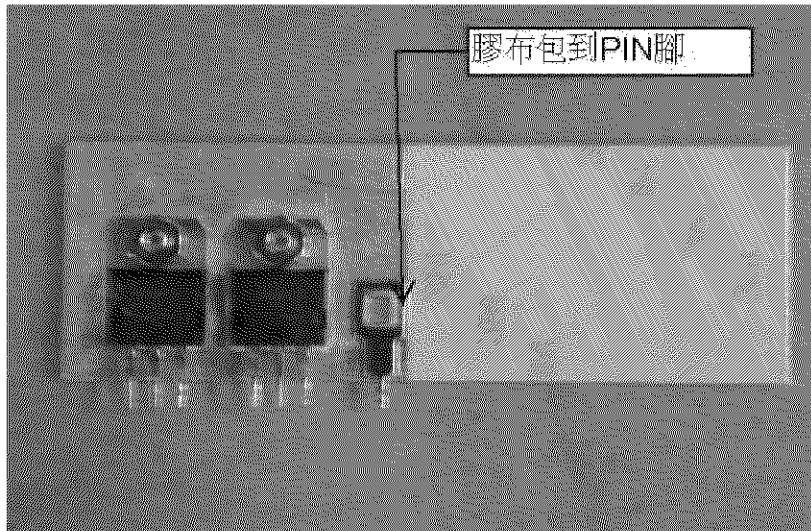
HS3完成後正面



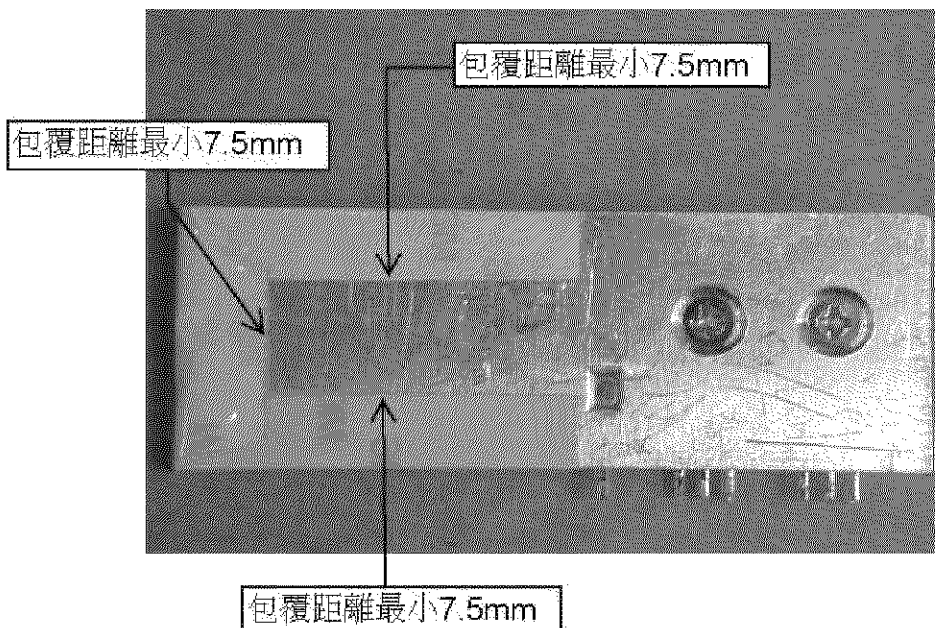
HS3完成後背面



HS4完成後正面



HS4完成後背面



Model name	Output Voltage	Output current	Transformer
GT-43004PWWWV-X.X-TZ series: WWW is the rated output wattage designation, with a maximum value of "150"; VV is the standard rated output voltage designation, with a maximum value of "24"; -X.X is optional or blank and denotes the output voltage differentiator, subtracting or adding X.X volts from standard output voltage VV in 0.1V increments Z presents different inlets, where "3" presents C14, "3A" presents C6.	Input: 100 – 240 Vac, 50 – 60 Hz, 2.0 A Output: 12 – 24 Vdc, Max.10 A		
GT-43004P10012-T3	12	8.33	XF00735
GT-43004P12012-T3	12	10	
GT-43004P12016-1.0-T3	15	8	XF00734
GT-43004P12016-T3	16	7,5	
GT-43004P12019-1.0-T3	18	6.66	XF00738
GT-43004P12019-T3	19	6.31	
GT-43004P15024-T3	24	6.25	XF00722
GT-43004P10012-T3A	12	8.33	XF00735
GT-43004P12012-T3A	12	10	
GT-43004P12016-1.0-T3A	15	8	XF00734
GT-43004P12016-T3A	16	7,5	
GT-43004P12019-1.0-T3A	18	6.66	XF00738
GT-43004P12019-T3A	19	6.31	
GT-43004P15024-T3A	24	6.25	XF00722

Issue Date: 2011-12-14

Page 1 of 1

Report Reference #

E341351-A45-UL

Revision Date: 2014-03-24

Test Record

Test Record No. 1

Tests on all models are not required due to transferring file from Applicant Globtek (Suzhou) Co Ltd., File E336418, Vol. X7, E336418-A52.