

## **COVER PAGE FOR TEST REPORT**

Product Category:	Power Supplies, Medical and Dental
Product Category CCN:	QQHM2, QQHM8
Test Procedure:	Component Recognition
Product:	Power supply unit
Model/Type Reference:	EXM 80 5118, EXM 80 5119, EXM 80 5120, EXM 80 5121.
Rating(s):	Input: 100-240 Vac, 50/60Hz, Max 1.7A  Output: EXM 80 5118, 12V@5A; EXM 80 5119, 15V@4A; EXM 80 5120, 18V@3.6A; EXM 80 5121, 24V@2.9A.
Standards:	UL 60601-1, 1st Edition, 2006-04-26 (Medical Electrical Equipment, Part 1: General Requirements for Safety) CAN/CSA-C22.2 No. 601.1-M90, 2005 (Medical Electrical Equipment - Part 1: General Requirements for Safety)
Applicant Name and Address:	POWERBOX AB BOX 6030 SE-141 06 KUNGENS KURVA SWEDEN
This Report includes the following parts, in addition to this cover page:	
<ol style="list-style-type: none"><li>1. Specific Inspection Criteria</li><li>2. Specific Technical Criteria</li><li>3. Clause Verdicts</li><li>4. Critical Components</li><li>5. Test Results</li><li>6. National Differences</li><li>7. Enclosures</li></ol>	

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 Underwriters Laboratories Inc. ('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.

The applicant is authorized to reproduce the referenced Test Report provided it is reproduced in its entirety.

UL authorizes the applicant to reproduce the latest pages of the referenced Test Report consisting of the first page of the Specific Technical Criteria through to the end of the Conditions of Acceptability.

Any information and documentation involving UL Mark services are provided on behalf of Underwriters Laboratories Inc. (UL) or any authorized licensee of UL.

Test Report By:



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Reviewed By:



Mona H. Nielsen  
Staff Engineering Associate  
UL International Demko A/S

## **SPECIFIC INSPECTION CRITERIA**


BA1.0	<b>Special Instructions to UL Representative</b>
BA1.1	N/A
BB1.0	<b>Supporting Documentation</b>
BB1.1	<p>The following documents located at the beginning of this Procedure supplement the requirements of this Test Report:</p> <ul style="list-style-type: none"><li>A. Authorization - The Authorization page may include additional Factory Identification Code markings.</li><li>B. Generic Inspection Instructions -<ul style="list-style-type: none"><li>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.</li><li>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.</li><li>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.</li></ul></li></ul>

BC1.0	<b>Markings and instructions</b>	
BC1.1	The following markings and instructions are provided as indicated.	
BC1.2	All clause references are from UL 60601-1, 1st Edition, 2006-04-26 (Medical Electrical Equipment, Part 1: General Requirements for Safety).	
Standard Clause	Clause Title	Marking or Instruction Details
6.1e	Company identification	Classified or Recognized company's name, Trade name, Trademark or File
6.1f	Model	Model number
6.1g	Alternating current	
	Supply Connection	Voltage range, ac/dc, phases if more than single phase
6.1h	Supply Frequency	Rated frequency range in hertz
6.1j	Power Input	Amps, VA, or Watts
6.1l	Class II equipment	
6.1p	Output	Rated output voltage, power, frequency.

BD1.0	<b>Production-Line Testing Requirements</b>			
BD1.1	<b>Test Exemptions</b> - The following models are exempt from the indicated test			
	Model	Grounding Continuity	Dielectric Voltage Withstand	Patient Circuit Dielectric Voltage Withstand
	EXM 80 5118, EXM 80 5119, EXM 80 5120, EXM 80 5121.	all are exempt.	---	all are exempt.
BD1.2	<b>Solid-State Component Test Exemptions</b> - The following solid-state components may be disconnected from the remainder of the circuitry during either Dielectric Voltage Withstand Test:			
	N/A			

BE1.0	<b>Sample and Test Specifics for Follow-Up Tests at UL</b>			
BE1.1	The following tests shall be conducted in accordance with the Generic Inspection Instructions			
	Model	Samples	Test	Test Details
	N/A	N/A	N/A	N/A

## SPECIFIC TECHNICAL CRITERIA

<b>TEST REPORT</b> <b>UL 60601-1</b> <b>Medical Electrical Equipment</b> <b>Part 1: General requirements for safety</b>	
Report Reference No .....	E242500-A3-UL-2
Compiled by .....	Ermanno Rebecchi
Reviewed by .....	Mona H. Nielsen
Date of issue .....	2009-03-30
Standards .....	UL 60601-1, 1st Edition, 2006-04-26 (Medical Electrical Equipment, Part 1: General Requirements for Safety) CAN/CSA-C22.2 No. 601.1-M90, 2005 (Medical Electrical Equipment - Part 1: General Requirements for Safety)
Test procedure .....	Component Recognition
Non-standard test method .....	N/A
<b>Test item</b> description .....	Power supply unit
Trademark .....	powerbox 
Model and/or type reference .....	EXM 80 5118, EXM 80 5119, EXM 80 5120, EXM 80 5121.
Rating(s) .....	Input: 100-240 Vac, 50/60Hz, Max 1.7A  Output: EXM 80 5118, 12V@5A; EXM 80 5119, 15V@4A; EXM 80 5120, 18V@3.6A; EXM 80 5121, 24V@2.9A.

<b>GENERAL INFORMATION</b>			
<b>Test item particulars (see also clause 5):</b>			
Classification of installation and use .....	:	Portable	
Supply connection .....	:	Plug-in	
Accessories and detachable parts included in the evaluation .....	:	Plug-in adaptor	
Options included .....	:	None	
<b>Possible test case verdicts:</b>			
- test case does not apply to the test object .....	:	N / A	
- test object does meet the requirement .....	:	P(Pass)	
- test object does not meet the requirement .....	:	F(Fail) (acceptable only if a corresponding, less stringent national requirement is "Pass")	
Abbreviations used in the report:			
- normal condition .....	:	N.C.	- single fault condition .....
- operational insulation .....	:	OP	- basic insulation .....
- basic insulation between parts of opposite polarity:		BOP	- supplementary insulation .....
- double insulation .....	:	DI	- reinforced insulation .....
			S.F.C.
			BI
			SI
			RI
<b>General remarks:</b>			
- "(see Enclosure #)" refers to additional information appended to the Test Report			
- "(see appended table)" refers to a table appended to the Test Report			
- Throughout the Test Report a point is used as the decimal separator			

<b>General Product Information:</b>	
CA1.0	<b>Report Summary</b>
CA1.1	N/A
CB1.0	<b>Product Description</b>
CB1.1	Direct Plug-in Single output AC/DC power supply.
CC1.0	<b>Model Differences</b>
CC1.1	The difference is based on the rated Output only:  EXM 80 5118, 12V@5A; EXM 80 5119, 15V@4A; EXM 80 5120, 18V@3.6A; EXM 80 5121, 24V@2.9A; EXM 80 5122, 48V@2.5A.

CD1.0	<b>Additional Information</b>	
CD1.1	N/A	
CE1.0	<b>Technical Considerations</b>	
CE1.1	The product was investigated to the following additional standards:	CAN/CSA-C22.2 No. 601.1-M90 (R2005) (includes National Differences for Canada), EN 60601-1: 1990 + A1:1993 + A2:1995 + A13:1996
CE1.2	The product was not investigated to the following standards or clauses:	Clause 52.1, Programmable Electronic Systems (IEC 601-1-4), Clause 48, Biocompatibility (ISO 10993-1), Clause 36, Electromagnetic Compatibility (IEC 601-1-2)
CE1.4	The degree of protection against harmful ingress of water is:	Ordinary
CE1.6	The mode of operation is:	Continuous
CE1.7	Software is relied upon for meeting safety requirements related to mechanical, fire and shock:	No
CE1.8	The product is suitable for use in the presence of a flammable anesthetics mixture with air or oxygen or with nitrous oxide:	No
CF1.0	<b>Engineering Conditions of Acceptability</b>	
CF1.1	For use only in or with complete equipment where the acceptability of the combination is determined by Underwriters Laboratories Inc.  When installed in an end-product, consideration must be given to the following:	
CF2.0	Level of Isolation provided as follows: MAINS to Output (Primary to Secondary): DI	--
CF2.1	The unit is considered acceptable for use in a max ambient of 40 °C	--
CF2.2	No accompanying documents were provided.	--
CF2.3	The following tests shall be performed in the end-product evaluation: Leakage Current, Temperature	--
CF2.4	The maximum working voltage present is 299 Vrms. The electric strength tests in the end-product shall be based on this value.	--

IEC 60601			
Clause	Requirement + Test	Result - Remark	Verdict

**The list of clauses, verdicts and results can be found in the original CB Test Report that serves as the basis for this UL Test Report.**

IEC 60601			
Clause	Requirement + Test	Result - Remark	Verdict

6.1	<b>TABLE: marking durability</b>		N/A
Marking tested		Remarks	
supplementary information:			

7	<b>TABLE: power input</b>				N/A
Operating condition	Voltage (V)	Frequency (Hz)	Current (A)	Power (W)	Remarks
supplementary information:					

15b	<b>TABLE: residual voltage in attachment plug</b>										N/A	
Voltage measured between:		Measurements [ V ]									Remarks	
		1	2	3	4	5	6	7	8	9		10
supplementary information:												

15c	<b>TABLE: residual voltage or energy in capacitors</b>					N/A
Capacitor and its location		Residual voltage (V)	Time after disconnection (s)	Capacitance value (µF)	Residual energy (mJ)	Remarks
supplementary information:						

IEC 60601			
Clause	Requirement + Test	Result - Remark	Verdict

17h1	TABLE: defibrillation-proof applied parts					N/A
Test Condition: Fig. 50 or 51	Accessible part of measurement:	Applied part with test voltage	Test voltage polarity	Measured voltage between Y1 and Y2 (mV)	Remarks	
supplementary information:						

17h2	TABLE: defibrillation-proof recovery time				N/A
Applied part with test voltage	Test voltage polarity	Recovery time from accompanying documents (s)	Measured recovery time (s)	Remarks	
supplementary information:					

18	TABLE: protective earthing				N/A
Test location	Test current (A)	Measured voltage (V)	Resistance (ohms)	Remarks	
supplementary information:					

IEC 60601			
Clause	Requirement + Test	Result - Remark	Verdict

19	TABLE: leakage current				N/A
Type of leakage current and test condition (including single faults)	Supply voltage (V)	Supply frequency (Hz)	Measured max. value (µA)	Remarks	
supplementary information:					
ER - Earth leakage current EN - Enclosure leakage current P - Patient leakage current PM - Patient leakage current with mains on the applied parts PA - Patient auxiliary current Fig. 15 - refers to Fig. 15 in IEC601-1 MD - Measuring device		A - After humidity conditioning B - Before humidity conditioning 1 - Switch closed or set to normal polarity 0 - Switch open or set to reversed polarity NC - Normal condition SFC - Single fault condition			

20	TABLE: dielectric strength				N/A
Insulation under test (area from insulation diagram)	Insulation type: (OP-operational / BI-basic / SI-supplementary / DI-double / RI-reinforced)	Reference voltage (V)	Test voltage (V)	Remarks	
supplementary information:					

21	TABLE: mechanical strength			N/A
Part under test	Test (impact, drop, force, handle, rough handling, mobile)		Remarks	
supplementary information:				

24	TABLE: - stability			N/A
Part under test	Test condition		Remarks	
supplementary information:				

IEC 60601			
Clause	Requirement + Test	Result - Remark	Verdict

29	<b>TABLE: X - radiation</b>			N/A
Part under test		Test condition	Measured radiation (mR)	Remarks
supplementary information:				

42	<b>TABLE: normal temperature</b>			N/A
Supply voltage:		Test Condition:		
Ambient temperature:				
Measuring location			Measured temperature (°C)	Remarks
COR - indicates measurements taken using change-of-resistance method				
supplementary information:				

44	<b>TABLE: overflow, spillage, leakage, humidity, ingress of liquids, cleaning, sterilization, disinfection</b>			N/A
Test type and condition		Part under test	Remarks	
supplementary information:				

45	<b>TABLE: hydrostatic pressure and pressure-relief device cycling test</b>			N/A
Test type and condition		Part under test	Test pressure	Remarks
supplementary information:				

IEC 60601			
Clause	Requirement + Test	Result - Remark	Verdict

52	<b>TABLE: abnormal operation</b>		N/A
Test type, condition and clause reference		Observed results	Remarks
supplementary information:			

IEC 60601			
Clause	Requirement + Test	Result - Remark	Verdict

56.1	<b>TABLE: list of critical components</b>					Pass
Object/part No.	Manufacturer/ trademark	type/model	technical data	Product Category CCN(s)	Required Marks of Conformity	Photo ID, Item # or other sorting identifier
Mains Plug	POWERBOX AB	EXM80plug3	Plastic details: Sabic Innovative (File: E121562), designation: 223(f1) or 223R(f1). See attachment for further details.	--	--	
Appliance Inlet	Chy-tech	SS-02	250 Vac, 2.5 A; 125V, 7 A.	AXUT2 (E249953)	UR	
Capacitor, bridging (X1)	BC Components	MKP 338 2	250 V, 47 pF, X2 type	FOKY2 (E112471)	UR	
Alternate Capacitor, bridging (X1)	BC Components	MKP 335 5	250 V, 47 pF, X2 type	FOKY2 (E112471)	UR	
Alternate Capacitor, bridging (X1)	EVOX RIFA	PHE 840M_	280 V, 47 pF, X2 type	FOKY2 (E100117)	UR	
Alternate Capacitor, bridging (X1)	EVOX RIFA AB	PHE 840E_	300 V, 47 pF, X2 type	FOKY2 (E100117)	UR	
Alternate Capacitor, bridging (X1)	EPCOS	B81133	250 V, 47 pF, X2 type	FOWX8 (E97863)	UR	
Alternate Capacitor, bridging (X1)	Europtronic	MPX	250 V, 47 pF, X2 type	FOWX2 (E211347)	UR	
Capacitor, bridging (Y1, Y2)	Vishay	WKP	250 V, 1 nF, Y1 type	FOWX2 (E183844)	UR	
Alternate Capacitor, bridging (Y1, Y2)	SEC	SB or SE	250 V, 1 nF, Y1 type	FOWX2	UR	
Alternate Capacitor, bridging (Y1, Y2)	Murata	KX	250 V, 1 nF, Y1 type	FOWX2 (E37921)	UR	
Enclosure (mech/elec/fire)	Sabic Innovative Plastics China co. LTD	940(f1)	Min flame V-0, 1.5 mm thick.	QMFZ2 (E161723)	UR	
Fuse (F1)	Bussmann	S505	250 V, T4A, time delay	JDYX2 (E19180)	UR	

IEC 60601			
Clause	Requirement + Test	Result - Remark	Verdict

Alternate Fuse (F1)	Littelfuse	215	250 V, T4A, time delay	JDYX2 (E10480)	UR	
Alternate Fuse (F1)	Schurter	SPT	250 V, T4A, time delay	JDYX2 (E41599)	UR	
Alternate Fuse (F1)	Wickmann	19181	250 V, T4A, time delay	JDYX2 (E67006)	UR	
Insulating Tape	Jingjiang Yahua	PZ	130°C	OANZ2	UR	
Alternate Insulating Tape	Yahua	PZ	130°C	OANZ2	UR	
LED Insulating Tubing	Shenzhen Woer	RSFR	FEP, PTFE, PVC, TFE, neoprene, polyimide or marked VW-1; 125 °C, 600 V	YDPU2 (E203950)	UR	
Output Cable	Dongguan Shipai Licheng	--	Style 1185, AWG 18, min 80°C, max 3.05 m long, VW-1 or FT-1	AVLV2 (E205058)	UR	
Label	SHEN ZHEN SUNSHINE INDUSTRY CO LTD	--	Min 80°C, suitable for application to Polycarbonate (PC) enclosure.  Printer Model no.: M-105SL Brand: ZEBRA; Ink: Dragon-FC Black.	PGDQ2 (MH27662)	UR	
Alternate Label	SHENZHEN BAO'AN LIAN YEI TAI STRIKER PRINTING PRODUCT CO	--	Min 80°C, suitable for application to Polycarbonate (PC) enclosure.  Printer Model no.: M-84PRO Brand: SATO; Ink: Megami Ink Black.	PGDQ2 (MH27821)	UR	
Optical Isolator (OPT1, OPT2)	Liteon	LTV817C	5000 Vac isolation	FPQU2 (E113898)	UR	
Printed Wiring Board	Countcash	C-29	V-0, 130°C, rated for direct support of live parts	ZPMV2	UR	
Alternate Printed Wiring Board	--	--	Min V-1, 130°C, rated for direct support of live parts	ZPMV2	UR	
Transformer (TR1)	Powerbox	SMP-TR-0172	Output 12/15 Vdc, Class B (Insulation system OBJS2) See Enclosure for further	--	--	7-05

IEC 60601			
Clause	Requirement + Test	Result - Remark	Verdict

			details.			
Alternate Transformer (TR1)	Powerbox	SMP-TR-0173	Output 18/24 Vdc, Class B (Insulation system, OBJS2) See Enclosure for further details.	--	--	7-06
Wiring, internal primary	--	--	Style 1430 or 1015, FEP, PTFE, PVC, TFE, neoprene, polyimide or marked VW-1; min 300 V, 105 °C, 18 AWG.	AVLV2	UR	

IEC 60601			
Clause	Requirement + Test	Result - Remark	Verdict

56.10	TABLE: actuating parts and controls			N/A
Part under test	Torque applied		Remarks	
supplementary information:				

56.11b	TABLE: foot operated control devices-loading			N/A
Part under test	Observed results		Remarks	
supplementary information:				

57.4	TABLE: cord anchorages				N/A
Cord under test	Mass of equipment	Pull	Torque	Remarks	
supplementary information:					

57.4b	TABLE: cord bending			N/A
Cord under test	Test mass	Measured curvature	Remarks	
supplementary information:				

IEC 60601			
Clause	Requirement + Test	Result - Remark	Verdict

57.9.1a	TABLE: transformer short circuit					N/A
Winding under test	Protection	Measured temperatures (°C)			Test duration	Remarks
		Primary	Secondary	Ambient		
supplementary information:						

57.9.1b	TABLE: overload					N/A	
Winding under test	Protection	Measured temperatures (°C)			Test duration	Test current or thermal cutout temp.	Remarks
		Primary	Secondary	Ambient			
supplementary information:							

57.9.2	TABLE: transformer dielectric strength				N/A
Transformer under test	Test voltage applied to	Test voltage	Test frequency	Remarks	
supplementary information:					

	TABLE: additional tests		N/A
Clause	Test type and condition	Remarks and observed results	Verdict
supplementary information:			

**Enclosure**  
**National Differences**

Canada  
USA

IEC 60601			
SubClause	Difference + Test	Result - Remark	Verdict

**The list of clauses, verdicts and results can be found in the original CB Test Report that serves as the basis for this UL Test Report.**

**Enclosure****Photographs**

Supplement Id	Description
3-01	Overall view
3-02	Front view plug connector
3-03	Bottom view

Photographs ID 3-01



Photographs ID 3-02



Photographs ID 3-03

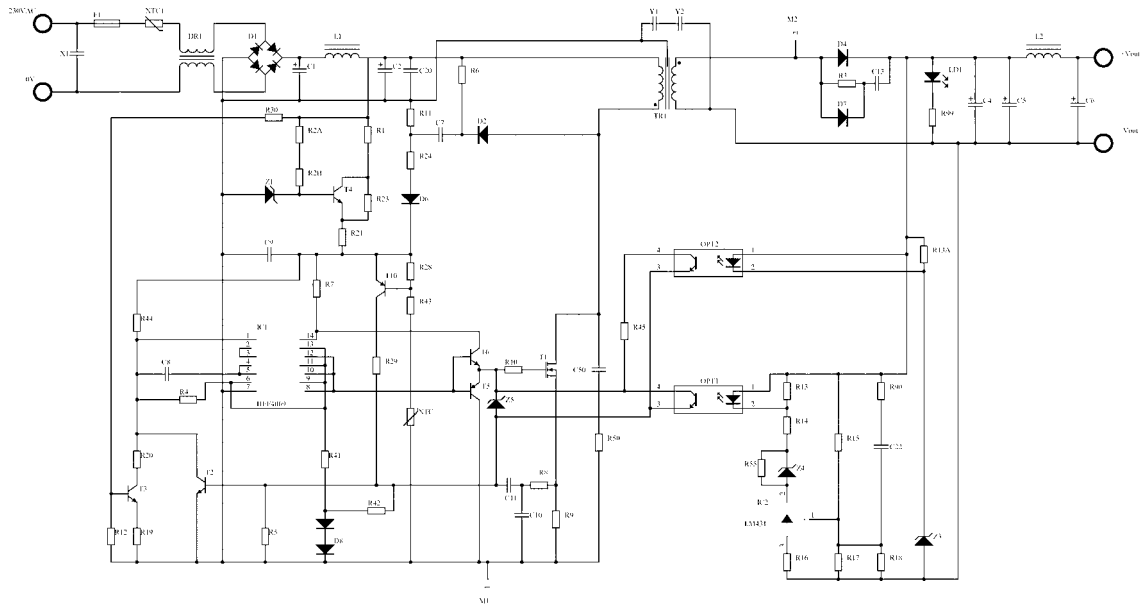


## **Enclosure**

### **Schematics + PWB**

Supplement Id	Description
5-01	Schematics

Schematics ID 5-01



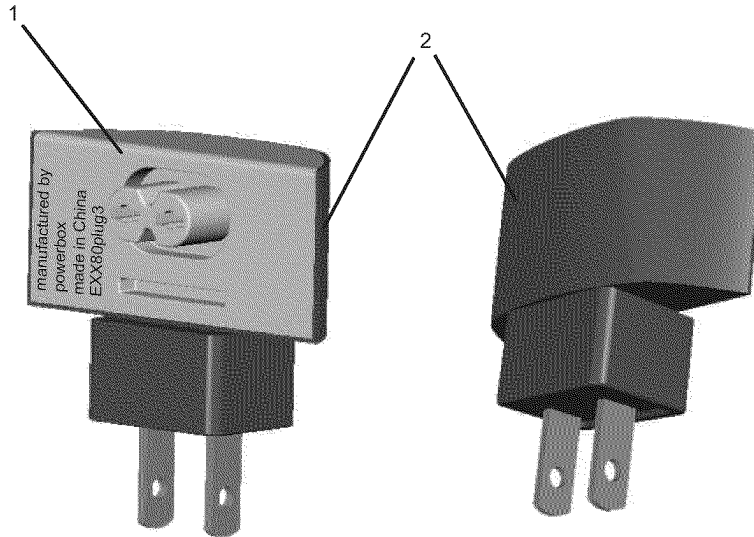
Title: SCH-196-XX  
Sinc: Number  
AX  
Date: 2006-10-26  
File: ...SCH-196-XX-SK1000C  
Revision: Rev. 2  
Sheet of: 2  
Drawn By:

**Enclosure****Miscellaneous**

Supplement Id	Description
7-04	AC Plug assembly
7-05	SMP-TR-0172
7-06	SMP-TR-0173

Misc ID 7-04

RoHS compliant

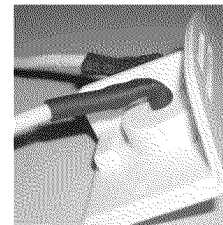


For BLACK colour plugs, add "-BL" to part number on label: EXX80plug3-BL  
 For white colour plugs, do not use suffix, that means "EXX80plug3" only  
 Colour is specified on PO or in BOM for whole unit

Marking text can be on transparent self-adhesive label, or printed onto plastic  
 Text colour: for white or light coloured plugs: use black or dark grey text colour  
 for black plugs: use white, light grey, silver, or gold text colour  
 for other dark colours: use white, light grey, silver or gold colour (make sure it is readable)

Bill of materials:

1. AC plug top part SMP-M-0335 with marking as above
2. USA plug bottom part with pins SMP-M-0337
3. AC terminals and internal wiring SMP-M-0209
4. Label (print)
5. UL tube, min 300V, 70C on terminals, see pic



Tubing to cover terminals completely

Colour shown on this drawing is not correct.  
 Colour to be specified separately when ordering (or by BOM for unit)

All measurements in mm

Rev.	Date	Sign.	Rev.notes
1	2008-04-20	JA	tubes
0d	2007-12-12	JA	white no suffix
0c	2007-12-06	JA	-BL
0b	2007-11-21	JA	text colour
0a	2007-11-20	JA	text colour
Issued	2007-04-03	JA	
Check			
Approv			

Welding shall be good on all sides

Description <b>AC plug assembly USA</b>			
Part. No.			
For product/customer SMP196-XX		Scale 	Doc. No. SMP-M-0328
		Page.	1 (1)

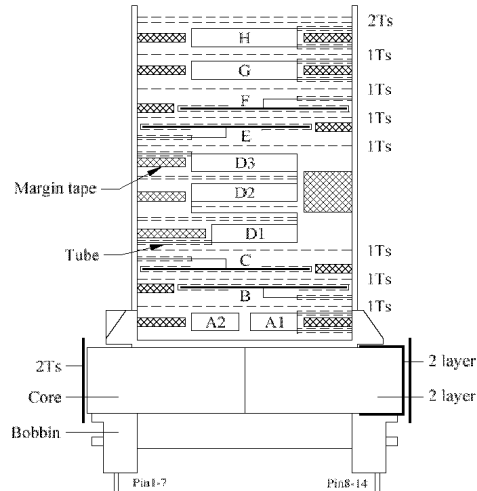
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Misc ID 7-05

DOC.: 765065-08-0.doc

Customer Part No	SMP-TR-0172 Rev.4	Description	EF-40/35 Transformer
Part No	CS765065T	Date	2009-2-11

**Construction Diagram:**



**Material List**

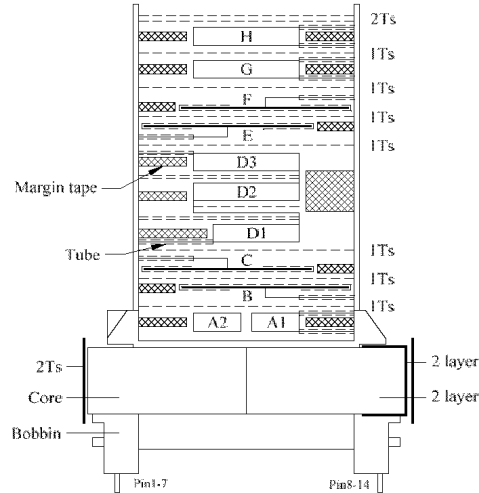
No	Description	Raw Materials	Suppliers / Manufacturers
1.	Bobbin	Phenolic Type No.: T375J / T355J, F/N: E59481(S)	Chang Chun Plastics Co Ltd
2.	Ferrite Core	EF-40/35 Type No.: JPP-44	A-CORE JIANGMEN ELECTRONICS., LTD.
3.	Tape	Polyester Tape 130°C Type No.: 24D*, F/N: E212612 or Type No.: PZ/CT, F/N: E178516 (N)	Foshan Inder Adhesive Products Co Ltd or Yahua Adhesive Tape Co Ltd
4.	Winding A1/A2/D/G/H	Polyurethane enameled Copper wire Type No.: UEW-F/155°C, UEW-U/130°C F/N: E142108	PACIFIC-THAI Electric Wire & Cable Co Ltd
5.	Screen B/C/E/F	Copper foil W/O Adhesive, Backed with one layer of tape	Hong Li Yuan Electronics (SHEN ZHEN) Co., Ltd
6.	Margin Tape	Non-woven tape Type No.: WF, F/N: E178516(N)	Yahua Adhesive Tape Co Ltd
7.	Sleeving	Teflon Tube Type No.: CB-TT 200°C, F/N: E180908	CHANG YUAN ELECTRONIC (SHEN ZHEN)

Misc ID 7-06

DOC.: 766064-08-0.doc

Customer Part No	SMP-TR-0173 Rev.3	Description	EF-40/35 Transformer
Part No	CS766064T	Date	2009-2-21

**Construction Diagram:**



**Material List**

No	Description	Raw Materials	Suppliers / Manufacturers
1.	Bobbin	Phenolic Type No.: T375J / T355J, F/N: E59481(S)	Chang Chun Plastics Co Ltd
2.	Ferrite Core	EF-40/35 Type No.: JPP-44	A-CORE JIANGMEN ELECTRONICS., LTD.
3.	Tape	Polyester Tape 130°C Type No.: 24D*, F/N: E212612 or Type No.: PZ, F/N: E178516 (N)	Foshan Inder Adhesive Products Co Ltd or Yahua Adhesive Tape Co Ltd
4.	Windings A1/A2/D/G/H	Polyurethane enameled Copper wire Type No.: UEW-F/155°C, UEW-U/130°C F/N: E142108	PACIFIC-THAI Electric Wire & Cable Co Ltd
5.	Screen B/C/E/F	Copper foil W/O Adhesive, backed with one layer of tape	Hong Li Yuan Electronics (SHEN ZHEN) Co., Ltd
6.	Margin Tape	Non-woven tape Type No.: WF, F/N: E178516(N)	Yahua Adhesive Tape Co Ltd
7.	Sleeving	Teflon Tube Type No.: CB-TT 200°C, F/N: E180908	CHANG YUAN ELECTRONIC (SHEN ZHEN)

**Enclosure**

**Test Record**

Description
Test Record 1

### **Test Record No. 1**

The report is re-issued as the client is requesting this instead of a correction