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台灣 新北市

五股區工商路十二號二樓

名翔電子有限公司

ARTHUR LU



ARTHUR LU
MSTRONIC CO LTD
2ND FL 12 GONGSHANG RD
WUGU
NEW TAIPEI
248 TAIWAN

Date: 2016/05/25
Subscriber: 100221991
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File No: E314090
Project No: 4787330085
PD No: 16019016
Type: R
PO Number: 105-0049

Subject: **Procedure And/Or Report Material**

The following material resulting from the investigation under the above numbers is enclosed.

Issue

<u>Date</u>	<u>Vol</u>	<u>Sec</u>	<u>Pages</u>	<u>Revised Date</u>
		X1	Index Page(s)	
2010/02/23	X1	A5	Cert of Compliance	
2010/02/23	X1	A5	Revised Proc/Rpt Section	

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Please file revised pages and illustrations in place of material of like identity. New material should be filed in its proper numerical order.

NOTE: Follow-Up Service Procedure revisions DO NOT include Cover Pages, Test Records and Conclusion Pages. Report revisions DO NOT include Authorization Pages, Indices, Section General Pages and Appendixes.

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TPI File

File		Volume	Page	Date:
E314090	Index	X1	1	2016-05-24

Index

<u>Product Type</u>	<u>Model/Type Reference</u>	<u>Report Reference #</u>	<u>Status</u>
POE SPLITTER	MS-POE-PD0805M, 1603 PoE Splitter (5V)	E314090-A1-UL	
Power Over Ethernet Device	MIT-06I-WWVVCC, where WW can be 08 or 12; VV can be 05, 09, 12 or 24; C can be 0-9, a-z, A-Z or blank. The WW means power in watt; VV means output voltage in volt and CC means different parts suppliers.	E314090-A2-UL	
Power Over Ethernet Device	MIT-07XXXXXX-1748CC, MIT-07XXXXXX-2024CC, MIT-07XXXXXX-1818CC and MIT-07XXXXXX-2448CC (Where C can be 0-9, a-z, A-Z or blank and X can be D, T, R, CI, H, N, J or blank, D means signal detector and T means signal processor, R means reverse, H means hi-temp and CI means current indicator, N, J and blank means alternate daughter board, N for iss:9, J for iss:10, blank for iss:8, CC means different parts suppliers, 1748CC, 2024CC, 1818CC, 2448CC can 1748CC, 2024CC, 1818CC, 2448CC or blank) POE-IJ-XXYYWWW Where XX can be 0-9 for means output power; Where YY can be 0-9 for means output voltage; Where WWW can be 0-9, A-Z for means different functions, for D means signal Detector; H means Hi-temp.; N means Not yet definition; U means UL compliant; S means special model; 0-9 means special combination functions.	E314090-A3-UL	
Power Over Ethernet Device	MIT-09x-56z, MIT-09x-24y (x=G with Gigabite module or blank; z=D or blank for output rating difference ; y= R for REVERSE or blank)	E314090-A5-UL	

CERTIFICATE OF COMPLIANCE

Certificate Number 20160525-E314090
Report Reference E314090-A5-UL
Issue Date 2016-MAY-25

Issued to: MSTRONIC CO LTD
2ND FL 12 GONGSHANG RD
WUGU
NEW TAIPEI
248 TAIWAN

**This is to certify that
representative samples of**

Information Technology Equipment Including Electrical
Business Equipment
Power Over Ethernet Device
MIT-09x-56z, MIT-09x-24y
(x=G with Gigabite module or blank; z=D or blank for output
rating
difference ; y= R for REVERSE or blank)

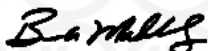
Have been investigated by UL in accordance with the
Standard(s) indicated on this Certificate.

Standard(s) for Safety: UL 60950-1 – Information Technology Equipment - Safety -
Part 1: General Requirements
CSA C22.2 No. 60950-1-07 – Information Technology
Equipment - Safety - Part 1: General Requirements

Additional Information: See the UL Online Certifications Directory at
www.ul.com/database for additional information

Only those products bearing the UL Certification Mark should be considered as being covered by UL's
Certification and Follow-Up Service.

Look for the UL Certification Mark on the product.



Bruce Mahrenholz, Director North American Certification Program

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UL TEST REPORT AND PROCEDURE

Standard:	UL 60950-1, 2nd Edition, 2014-10-14 (Information Technology Equipment - Safety - Part 1: General Requirements) CAN/CSA C22.2 No. 60950-1-07, 2nd Edition, 2014-10 (Information Technology Equipment - Safety - Part 1: General Requirements)
Certification Type:	Listing
CCN:	NWGQ, NWGQ7 (Information Technology Equipment Including Electrical Business Equipment)
Product:	Power Over Ethernet Device
Model:	MIT-09x-56z, MIT-09x-24y (x=G with Gigabite module or blank; z=D or blank for output rating difference ; y= R for REVERSE or blank)
Rating:	Input: 1) 100-240Vac, 50-60Hz, 1.02A (Models: MIT-09x-56z) 2) 100-240Vac, 47-63Hz, 0.96-0.57A (Models: MIT-09x-24y) Output: 1) 56Vdc, 0.63A (Model: MIT-09x-56D) 2) 56Vdc, 0.9A (Model: MIT-09x-56) 3) 24Vdc, 1.5A (Models: MIT-09x-24y)
Applicant Name and Address:	MSTRONIC CO LTD 2ND FL 12 GONGSHANG RD WUGU NEW TAIPEI 248 TAIWAN

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: Nike Huang

Reviewed by: ChienFong Wang

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

Power over Ethernet device is used for information technology network equipment. The device supplies DC power and connects Ethernet network equipment, such as the Access Point, Hub, Router, Personal computer and so on.

Model Differences

Model MIT-09x-56D is identical to model MIT-09x-56 except for output current.
Model MIT-09G-56z is identical to model MIT-09-56z except for Gigabite module.
Models MIT-09x-24y are identical to models MIT-09x-56z except for input rating, output rating , secondary winding of Transformer and part number of Choke (L1)
Model MIT-09G-24y is identical to model MIT-09-24y except for Gigabite module.
Model MIT-09x-24R is identical to model MIT-09x-24 except for output + - polarity reverse.

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 of protective device as part of the building installation (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) : less than 2000 meters
- Mass of equipment (kg) : 0.25 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: Detachable power cord, Pluggable A
- The product is intended for use on the following power systems: TN
- The equipment disconnect device is considered to be: Appliance inlet
- The following circuit locations (with circuit/schematic designation) were investigated as a limited power source (LPS): all outputs
- The following circuits to be connected to a Cable Distribution System (with circuit/schematic designation) were investigated to Clause 7: JP1
- The following are available from the Applicant upon request: Installation (Safety) Instructions / Manual

Additional Information

Project 4787330085

Amendment 2:

(1) Upgrade standard to UL 60950-1, 2nd Edition, 2014-10-14 (Information Technology Equipment - Safety - Part 1: General Requirements)

(2) Alternate 24V output construction for new model MIT-09x-24y.

Amendment 1: Update model MIT-09x-56z for use in Network Environemnt 1.

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

N/A

Production-Line Testing Requirements

Electric Strength Test Special Constructions - Refer to Generic Inspection Instructions, Part AC for further information.

Model	Component	Removable Parts	Test probe location	V rms	V dc	Test Time, s
All	T1	N/A	Pri to sec	300 0	or 4242 Vdc	1 sec

Earthing Continuity Test Exemptions - This test is not required for the following models:

All

Electric Strength Test Exemptions - This test is not required for the following models:

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:

Sample and Test Specifics for Follow-Up Tests at UL

Model	Component	Material	Test	Sample(s)	Test Specifics
N/A					

1.5.1	TABLE: list of critical components					Pass
Object/part or Description	Manufacturer/ trademark	type/model	technical data	Product Category CCN(s)	Required Marks of Conformity	Supplement ID
Enclosure	CHI MEI CORPORATION	PA-765A	Overall measures 125 mm by 77 mm, by 36 mm, minimum 1.8 mm thick. Constructed of two parts and secured together by ultrasonic welding. Rated minimum V-1, 80 degree C.	QMFZ2	UL	
Enclosure (Alternate)	TEIJIN POLYCARBONATE SINGAPORE PTE LTD	LN-1250G	Overall measures 125 mm by 77 mm, by 36 mm, minimum 1.8 mm thick. Constructed of two parts and secured together by ultrasonic welding. Rated minimum V-0, 105 degree C.	QMFZ2	UL	
Vent Openings	Various	Various	See enclosure 4-02 for details.	--	--	
Label	Various	Various	Rated minimum 60 degree C, suitable for surface applied to Enclosure.	PGDQ2	UL	
Insulating Tubings/Sleeving	Various	Various	FEP, PTFE, PVC, TFE, neoprene, polyimide or marked VW-1; minimum 105 degree C, 300 V,	YDPU2	UL	
Printed Wiring Board	Various	Various	Rated minimum V-1, minimum 130 degree C.	ZPMV2	UL	
Bonding Conductor	Various	Various	Green/yellow wire, minimum No. 18 AWG. One end peened through hole next to appliance inlet and other end peen through hole in secondary ground trace.	AVLV2, AVLV8	UL	
Appliance Inlet (JP3)	RICH BAY CO LTD	R-301SN	Rated 10 A, 250 Vac.	AXUT2 AXUT8	UL	
Appliance Inlet (JP3) (Alternate)	TECX-UNIONS TECHNOLOGY CORP	TU-301-SP	Rated 15 A, 250 Vac.	AXUT2 AXUT8	UL	

Choke(L4, L5) (Optional)	Various	Various	Toroidal type construction.105 degree C.	--	--	
Core (L4, L5)	Various	Various	Ferrite, approximately maximum 14 mm OD by 6.7 mm ID, 7.1 mm wide.	--	--	
Coil (L4, L5)	Various	Various	Coil: Copper magnet wire wound on toroidal core, rated 105 degree C.	OBMW2	UL	
Y-Capacitor (C4, C19, C2, C3) (optional)	PANASONIC CORPORATION OF NORTH AMERICA	NS-A, TS, RS	Rated maximum 3300 pF, minimum 125 V, minimum 85 degree C. The damp heat test duration in 21 days minimum. Comply IEC 60384-14.	FOWX2, FOWX8	UL	
Y-Capacitor (C4, C19, C2, C3) (optional) (Alternate)	MURATA MFG CO LTD	KH	Rated maximum 3300 pF, minimum 125 V, minimum 85 degree C. The damp heat test duration in 21 days minimum. Comply IEC 60384-14.	FOWX2, FOWX8	UL	
Y-Capacitor (C4, C19, C2, C3) (optional) (Alternate)	WALSIN TECHNOLOGY CORP	AC, AH	Rated maximum 3300 pF, minimum 125 V, minimum 85 degree C. The damp heat test duration in 21 days minimum. Comply IEC 60384-14.	FOWX2, FOWX8	UL	
Y-Capacitor (C4, C19, C2, C3) (optional) (Alternate)	WELSON INDUSTRIAL CO LTD	KL, WD	Rated maximum 3300 pF, minimum 125 V, minimum 85 degree C. The damp heat test duration in 21 days minimum. Comply IEC 60384-14.	FOWX2, FOWX8	UL	
Y-Capacitor (C4, C19, C2, C3) (optional) (Alternate)	TDK CORPORATION CO LTD	CS, CD	Rated maximum 3300 pF, minimum 125 V, minimum 85 degree C. The damp heat test duration in 21 days minimum. Comply IEC 60384-14.	FOWX2, FOWX8	UL	
Fuse (F1)	Various	Various	Rated T2 A, 250 V, Fuse body and leads are sleeved with tubing	JDYX	UL	
Fuse (F1) (Alternate)	Littelfuse Wickmann	392	Rated T2 A, 250 V, Fuse body	JDYX2	UL	

	Werke		and leads are sleeved with tubing			
Fuse (F1) (Alternate)	Conquer	MST-Series	Rated T2 A, 250 V, Fuse body and leads are sleeved with tubing	JDYX2	UL	
Fuse (F1) (Alternate)	Bel	RST	Rated T2 A, 250 V, Fuse body and leads are sleeved with tubing	JDYX2	UL	
Fuse (F1) (Alternate)	Walter	2010-series	Rated T2 A, 250 V, Fuse body and leads are sleeved with tubing	JDYX2	UL	
Fuse (F1) (Alternate)	Save Fusetech	SS-5	Rated T2 A, 250 V, Fuse body and leads are sleeved with tubing	JDYX2	UL	
Varistors (ZP1) (Optional)	THINKING ELECTRONIC INDUSTRIAL CO LTD	TVR07471-D	300 Vac, 385 Vdc.	VZCA2, VZCA8	UL	
Varistors (ZP1) (Optional) (Alternate)	CENTRA SCIENCE CORP	CNR-07D471K	300 Vac, 385 Vdc.	VZCA2, VZCA8	UL	
Varistors (ZP1) (Optional) (Alternate)	UPPERMOST ELECTRONIC INDUSTRIES CO LTD	V07K300	300 Vac, 405 Vdc.	VZCA2, VZCA8	UL	
Varistors (ZP1) (Optional) (Alternate)	LITTELFUSE INC	V300LA4P	300 Vac, 405 Vdc.	VZCA2, VZCA8	UL	
Bleeder Resistor (R1, R2)	--	--	Rated 0.75 M ohm, maximum 1/4 W.SMD type.	--	--	
X-Capacitor (C1)	Arcotronics	R.46	Optional. Rated maximum 0.47uF, minimum 250 Vac, 100 degree C. Class X1 or X2. The damp heat test duration in 21 days minimum. Comply IEC 60384-14	FOWX2, FOWX8	UL	
X-Capacitor (C1)	Carli	MPX	Optional. Rated maximum	FOWX2, FOWX8	UL	

(Alternate)			0.47uF, minimum 250 Vac, 100 degree C. Class X1 or X2. The damp heat test duration in 21 days minimum. Comply IEC 60384-14			
X-Capacitor (C1) (Alternate)	Iskra	KNB 1530	Optional. Rated maximum 0.47uF, minimum 250 Vac, 100 degree C. Class X1 or X2. The damp heat test duration in 21 days minimum. Comply IEC 60384-14	FOWX2, FOWX8	UL	
X-Capacitor (C1) (Alternate)	Iskra	KNB 1560	Optional. Rated maximum 0.47uF, minimum 250 Vac, 125 degree C. Class X1 or X2. The damp heat test duration in 21 days minimum. Comply IEC 60384-14	FOWX2, FOWX8	UL	
X-Capacitor (C1) (Alternate)	Okaya	PA, RE-Series XE-Series	Optional. Rated maximum 0.47uF, minimum 250 Vac, 100 degree C. Class X1 or X2. The damp heat test duration in 21 days minimum. Comply IEC 60384-14	FOWX2, FOWX8	UL	
X-Capacitor (C1) (Alternate)	Okaya	LE	Optional. Rated maximum 0.47uF, minimum 250 Vac, 110 degree C. Class X1 or X2. The damp heat test duration in 21 days minimum. Comply IEC 60384-14	FOWX2, FOWX8	UL	
X-Capacitor (C1) (Alternate)	Vishay	F1772-xxx- 2xxx(R)	Optional. Rated maximum 0.47uF, minimum 250 Vac, 100 degree C. Class X1 or X2. The damp heat test duration in 21 days minimum. Comply IEC 60384-14	FOWX2, FOWX8	UL	
X-Capacitor (C1) (Alternate)	CHENG TUNG INDUSTRIAL	CTX	Optional. Rated maximum 0.47uF, minimum 250 Vac,	FOWX2, FOWX8	UL	

			100 degree C. Class X1 or X2. The damp heat test duration in 21 days minimum. Comply IEC 60384-14			
Choke (L1)	Various	Various	105 degree C	--	--	
Core	--	--	Ferrite, measured overall 25 by 19.8 by 6.3 mm. Core wrapped with insulation tape.	--	--	
Bobbin	Various	Various	Phenolic, rated minimum V-0, minimum 150 degree C, minimum 0.51 mm thick.	QMFZ2	UL	
Insulation tape	Various	Various	Polyester tape, rated 130 degree C. Provided between windings and around core.	QMFZ2	UL	
Bridge Diode (BR1)	Various	Various	Rated minimum 4 A, minimum 600 V.	--	--	
Electrolytic Capacitor (C5)	Various	Various	Rated 150-68 uF, minimum 400 V, minimum 105 degree C.	--	--	
Thermistor (NTC1) (Optional)	Various	Various	Rated 5 ohm, 4A. Provided with tubing.	XGPU2	UL	
Transistor (Q1)	Various	Various	Rated minimum 600 V, minimum 8 A	--	--	
Bridging Capacitor (C11) (Optional)	Murata	KX	Rated maximum 2200 pF, minimum 250 V, minimum 125 degree C, Y1 type. The damp heat test duration in 21 days minimum. Comply IEC 60384-14	FOWX2, FOWX8	UL	
Bridging Capacitor (C11) (Optional) (Alternate)	Vishay	WKP, VKP, VY1	Rated maximum 2200 pF, minimum 250 V, minimum 125 degree C, Y1 type. The damp heat test duration in 21 days minimum. Comply IEC 60384-14	FOWX2, FOWX8	UL	
Bridging Capacitor (C11) (Optional) (Alternate)	TDK	CD	Rated maximum 2200 pF, minimum 250 V, minimum 125 degree C, Y1 type. The damp	FOWX2, FOWX8	UL	

			heat test duration in 21 days minimum. Comply IEC 60384-14			
Bridging Capacitor (C11) (Alternate)	PANASONIC CORPORATION OF NORTH AMERICA	NS-A, TS	Rated maximum 2200 pF, minimum 250 V, minimum 125 degree C, Y1 type. The damp heat test duration in 21 days minimum. Comply IEC 60384-14	FOWX2, FOWX8	UL	
Photo Coupler (PL1) (Alternate)	Sharp	PC817	Isolation 3000Vac. Double protected device, meets reinforced insulation requirements.	FPQU2	UL	
Photo Coupler (PL1) (Alternate)	Nec Electronics Corp Compound Semiconductor Device Divnec	PS 2761B-1	Isolation 5000Vac. Double protected device, meets reinforced insulation requirements.	FPQU2	UL	
Photo Coupler (PL1) (Alternate)	Lite-On Technology Corp	LTV-817	Isolation 5000Vac. Double protected device, meets reinforced insulation requirements.	FPQU2	UL	
Photo Coupler (PL1) (Alternate)	Everlight Electronics Co Ltd	EL817	Minimum 4000 Vac isolation. Double protection.	FPQU2	UL	
Transformer (T1) (For models MIT-09x-56z)	Jai Mei Technology Inc.	PQ2625 (13-01MIT23-T1)	--	--	--	
Insulation System	FONTAINE TECHNOLOGIES CO LTD	FIS-B1	Class B (130 ° C).	OBJY2	UL	
Insulation System (Alternate)	DONGGUAN ZHANGMUTOU HONG CHAN	SBI4.2	Class B (130 degree C).	OBJY2	UL	
Transformer (T1) (For models MIT-09x-56z) (Alternate)	Top-Unum Electronics Co., Ltd	PQ2625 (13-01MIT23-T1)	--	--	--	
Insulation System	FOSHAN SHUNDE WANXIN ELECTRONIC	WAIXIN 130-WX	Class B (130 degree C).	OBJY2	UL	

	ELECTRICAL CO LTD					
Transformer (T1) (For models MIT-09x-56z) (Alternate)	Min Chung Scientific Co., LTD	PQ2625 (13-01MIT23-T1)	--	--	--	
Insulation System	SHENZHEN YAMAXI ELECTRONICS CO LTD	YMX-BCK-B	Class B (130 degree C).	OBJY2	UL	
Core (T1)	Various	Various	Ferrite, measured overall 26.5 by 25 by 20 mm	--	--	
Bobbin (T1) (for FIS-B1, SBI4.2, YMX-BCK-B insulation system)	Sumitomo Bakelite Co., Ltd	PM-9820,	Phenolic, minimum 0.71 mm thick, rated minimum V-0, 150 degree C.	QFMZ2	UL	
Bobbin (T1) (for WAIXIN 130-WX insulation system) (Alternate)	CHANG CHUN PLASTICS CO LTD	T375J	Phenolic, minimum 0.71 mm thick, rated minimum V-0, 150 degree C.	QFMZ2	UL	
Coil (T1)	Various	Various	Rated minimum 130 degree C	OBMW2	UL	
Triple Insulated Wire (T1) (for FIS-B1, SBI4.2, YMX-BCK-B insulation system)	FURUKAWA ELECTRIC CO LTD	TEX-E	130 degree C	OBOT2	UL	
Triple Insulated Wire (T1) (for SBI4.2, YMX-BCK-B insulation system) (Alternate)	TOTOKU ELECTRIC CO LTD	TIW-2	130 degree C.	OBOT2	UL	
Triple Insulated Wire (T1) (for WAIXIN 130-WX insulation system) (Alternate)	SHENZHEN DARUN SCIENCE AND TECHNOLOGY CO LTD	DRTIW-F	155 degree C.	OBOT2	UL	
Insulation Tape (T1) (for FIS-B1 insulation system)	3M Company	1350-1	Polyester tape, 130 degree C.	OANZ2	UL	
Insulation Tape (T1) (for SBI4.2, YMX-BCK-B insulation system)	3M Company	1350F-1, 1350F-2	Polyester tape, 130 degree C.	OANZ2	UL	

(Alternate)						
Insulation Tape (T1) (for SBI4.2 insulation system) (Alternate)	SYMBIO INC	35660	Polyester tape, 130 degree C.	OANZ2	UL	
Insulation Tape (T1) (for SBI4.2 insulation system) (Alternate)	JINGJIANG YAHUA PRESSURE SENSITIVE GLUE CO LTD	CT, PZ	Polyester tape, 130 degree C.	OANZ2	UL	
Insulation Tape (T1) (for WAIXIN 130-WX insulation system) (Alternate)	P LEO & CO LTD	1P801 , 1P802	Polyester tape, 130 degree C.	OANZ2	UL	
Varnish (T1) (for FIS-B1 insulation system)	ELANTAS ELECTRICAL INSULATION ELANTAS PDG INC	V1630FS	130 degree C.	OBOR2	UL	
Varnish (T1) (for SBI4.2, YMX-BCK-B insulation system) (Alternate)	ELANTAS ELECTRICAL INSULATION ELANTAS PDG INC	V1380FC	130 degree C.	OBOR2	UL	
Varnish (T1) (for WAIXIN 130-WX insulation system) (Alternate)	SUZHOU JUFENG ELECTRICAL INSULATION SYSTEM CO LTD	JF310 (a)	130 degree C.	OBOR2	UL	
Tubing (T1) (for FIS-B1, SBI4.2, YMX-BCK-B insulation system)	Great Holding Industrial Co Ltd	TFL	200 degree C.	YDPU2	UL	
Tubing (T1) (for WAIXIN 130-WX insulation system) (Alternate)	P LEO & CO LTD	2T-TFL-XX.X 2T-TFS-XX.X 2T-TFT-XX.X	200 degree C.	YDPU2	UL	
Transformer (T1) (For models MIT-09x-24y)	Jai Mei Technology Inc.	13-01MIT23-T2	--	--	--	
Insulation System	DONGGUAN ZHANGMUTOU HONG CHAN	SBI4.2	Class B (130 degree C).	OBJY2	UL	
Transformer (T1)	Top-Unum	13-01MIT23-T2	--	--	--	

(For models MIT-09x-24y) (Alternate)	Electronics Co., Ltd					
Insulation System	FOSHAN SHUNDE WANXIN ELECTRONIC ELECTRICAL CO LTD	WAIXIN 130-WX	Class B (130 degree C).	OBJY2	UL	
Transformer (T1) (For models MIT-09x-24y) (Alternate)	Min Chung Scientific Co., LTD	13-01MIT23-T2	--	--	--	
Insulation System	SHENZHEN YAMAXI ELECTRONICS CO LTD	YMX-BCK-B	Class B (130 degree C).	OBJY2	UL	
Core (T1)	Various	Various	Ferrite, measured overall 26.5 by 25 by 20 mm	--	--	
Coil (T1)	Various	Various	Rated minimum 130 degree C	OBMW2	UL	
Bobbin (T1) (for FIS-B1, SBI4.2, YMX-BCK-B insulation system)	Sumitomo Bakelite Co., Ltd	PM-9820,	Phenolic, minimum 0.71 mm thick, rated minimum V-0, 150 degree C.	QFMZ2	UL	
Bobbin (T1) (for WAIXIN 130-WX insulation system) (Alternate)	CHANG CHUN PLASTICS CO LTD	T375J	Phenolic, minimum 0.71 mm thick, rated minimum V-0, 150 degree C.	QFMZ2	UL	
Triple Insulated Wire (T1) (for SBI4.2, YMX- BCK-B insulation system)	FURUKAWA ELECTRIC CO LTD	TEX-E	130 degree C.	OBOT2	UL	
Triple Insulated Wire (T1) (for SBI4.2, YMX- BCK-B insulation system) (Alternate)	TOTOKU ELECTRIC CO LTD	TIW-2	130 degree C.	OBOT2	UL	
Triple Insulated Wire (T1) (for WAIXIN 130- WX insulation system) (Alternate)	SHENZHEN DARUN SCIENCE AND TECHNOLOGY CO LTD	DRTIW-F	155 degree C.	OBOT2	UL	
Insulation Tape (T1) (for	3M Company	1350F-1, 1350F-2	Polyester tape, 130 degree C.	OANZ2	UL	

SBI4.2, YMX-BCK-B insulation system) (Alternate)						
Insulation Tape (T1) (for SBI4.2 insulation system) (Alternate)	SYMBIO INC	35660	Polyester tape, 130 degree C.	OANZ2	UL	
Insulation Tape (T1) (for SBI4.2 insulation system) (Alternate)	JINGJIANG YAHUA PRESSURE SENSITIVE GLUE CO LTD	CT, PZ	Polyester tape, 130 degree C.	OANZ2	UL	
Insulation Tape (T1) (for WAIXIN 130-WX insulation system) (Alternate)	P LEO & CO LTD	1P801 , 1P802	Polyester tape, 130 degree C.	OANZ2	UL	
Varnish (T1) (for SBI4.2, YMX-BCK-B insulation system) (Alternate)	ELANTAS ELECTRICAL INSULATION ELANTAS PDG INC	V1380FC	130 degree C.	OBOR2	UL	
Varnish (T1) (for WAIXIN 130-WX insulation system) (Alternate)	SUZHOU JUFENG ELECTRICAL INSULATION SYSTEM CO LTD	JF310 (a)	130 degree C	OBOR2	UL	
Tubing (T1) (for FIS-B1, SBI4.2, YMX-BCK-B insulation system)	Great Holding Industrial Co Ltd	TFL	200 degree C.	YDPU2	UL	
Tubing (T1) (for WAIXIN 130-WX insulation system) (Alternate)	P LEO & CO LTD	2T-TFL-XX.X 2T-TFS-XX.X 2T-TFT-XX.X	200 degree C.	YDPU2	UL	
LED	Various	Various	For indication only, green color, low power LED	--	--	
Heat Sink (H1)	Various	Various	See Enclosure for dimension details.	--	--	
Input/Output Connector - Communication	Various	Various	RJ-45	DUXR, DUXR2	UL	
Adhesive Glue	Various	Various	Rated minimum V-2, min. 105 degree C.	QMFZ2	UL	

Issue Date: 2010-02-23
2016-05-24

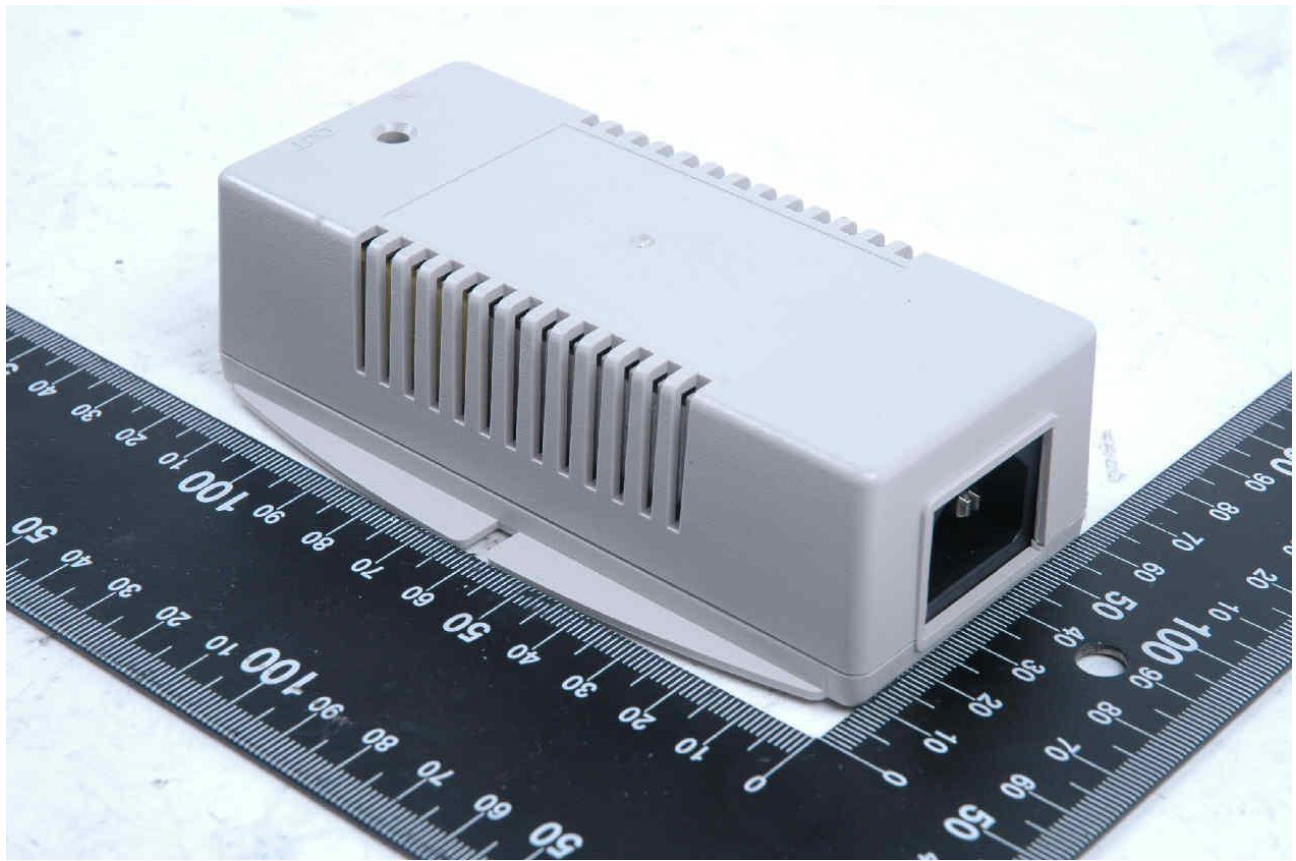
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Report Reference #

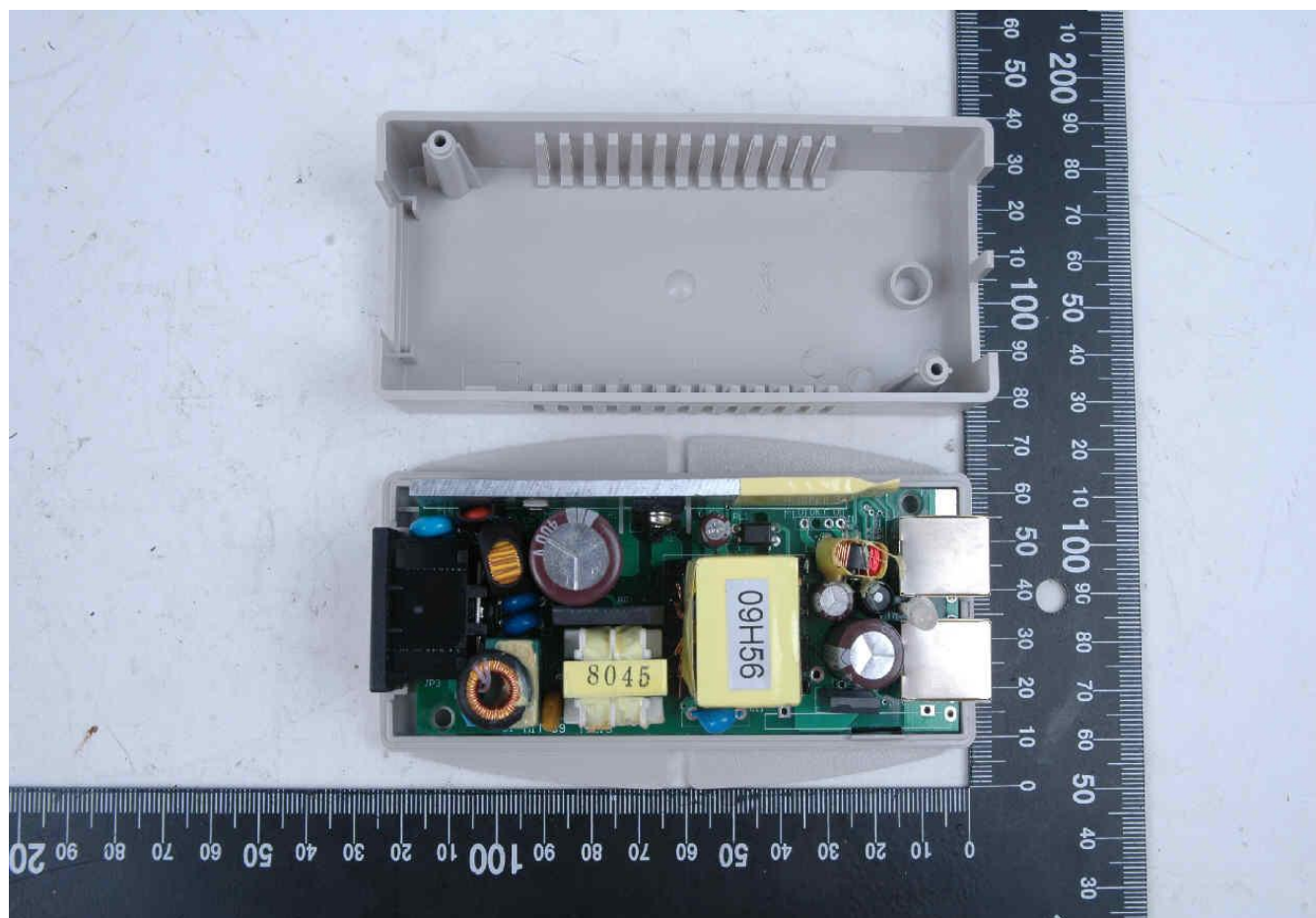
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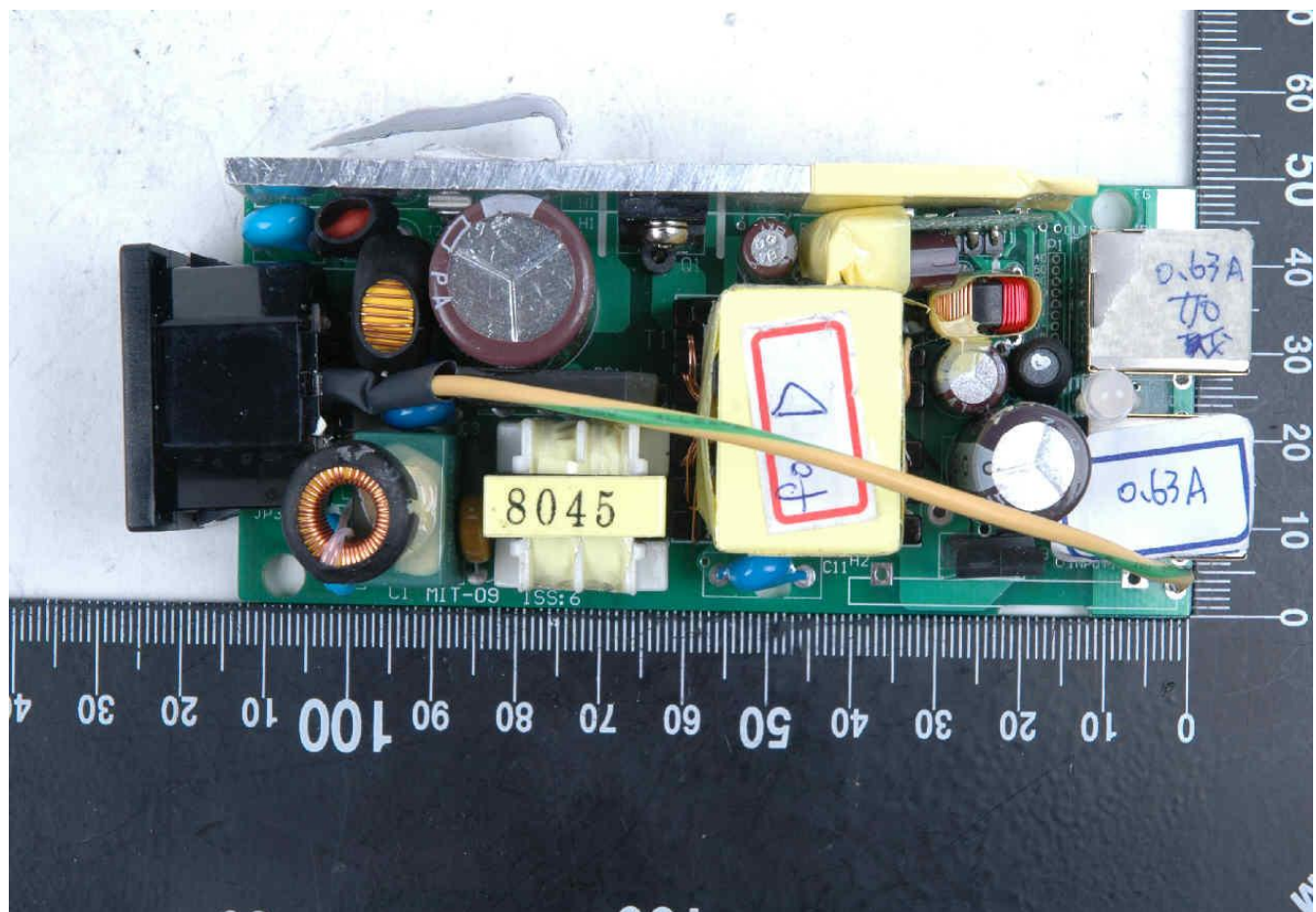
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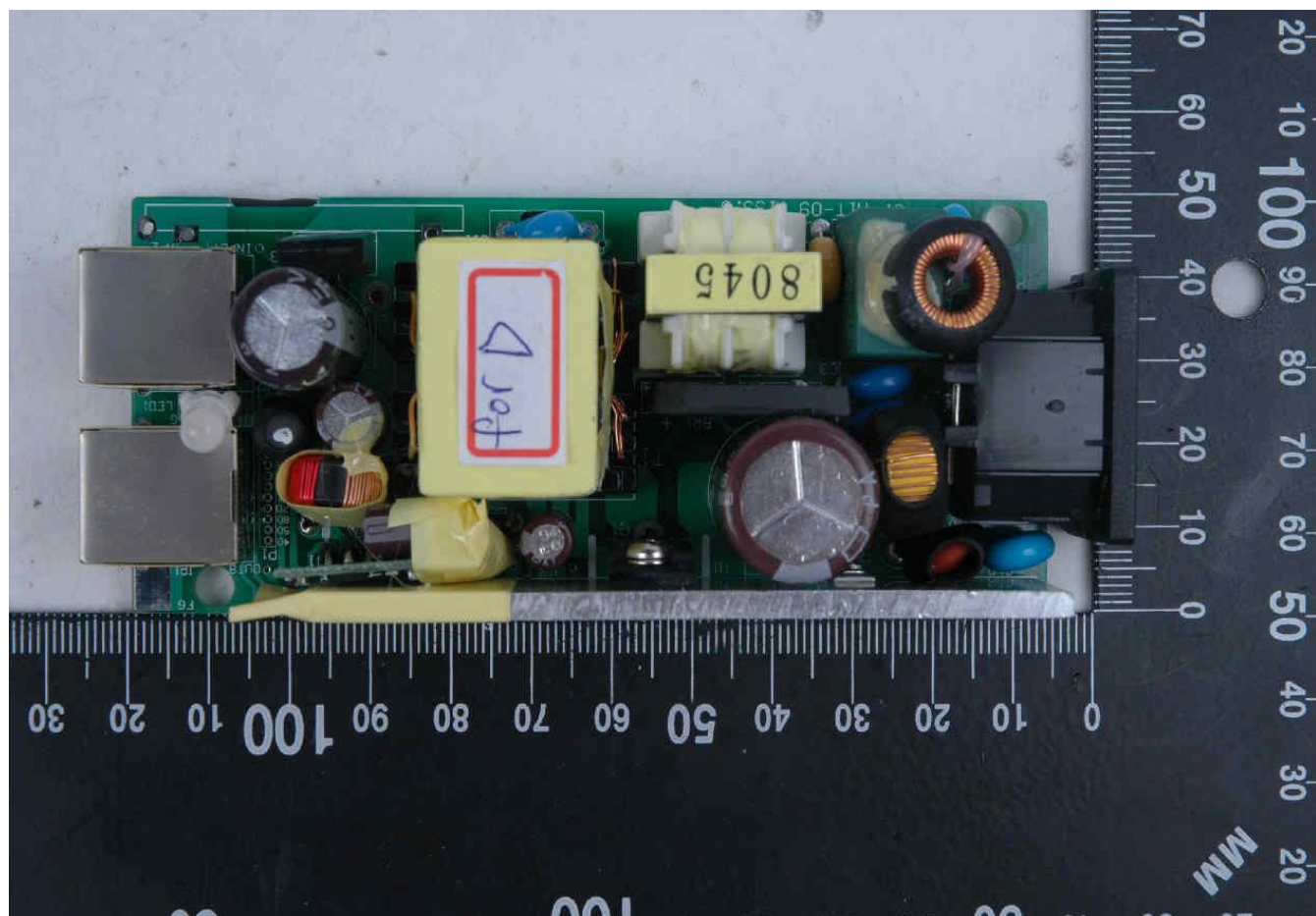
<u>Type</u>	<u>Supplement Id</u>	<u>Description</u>
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Photographs	3-02	Enclosure Rear Bottom view
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Miscellaneous	7-02	L4
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Miscellaneous	7-04	T1 Spec (For Model MIT-09x-24y)

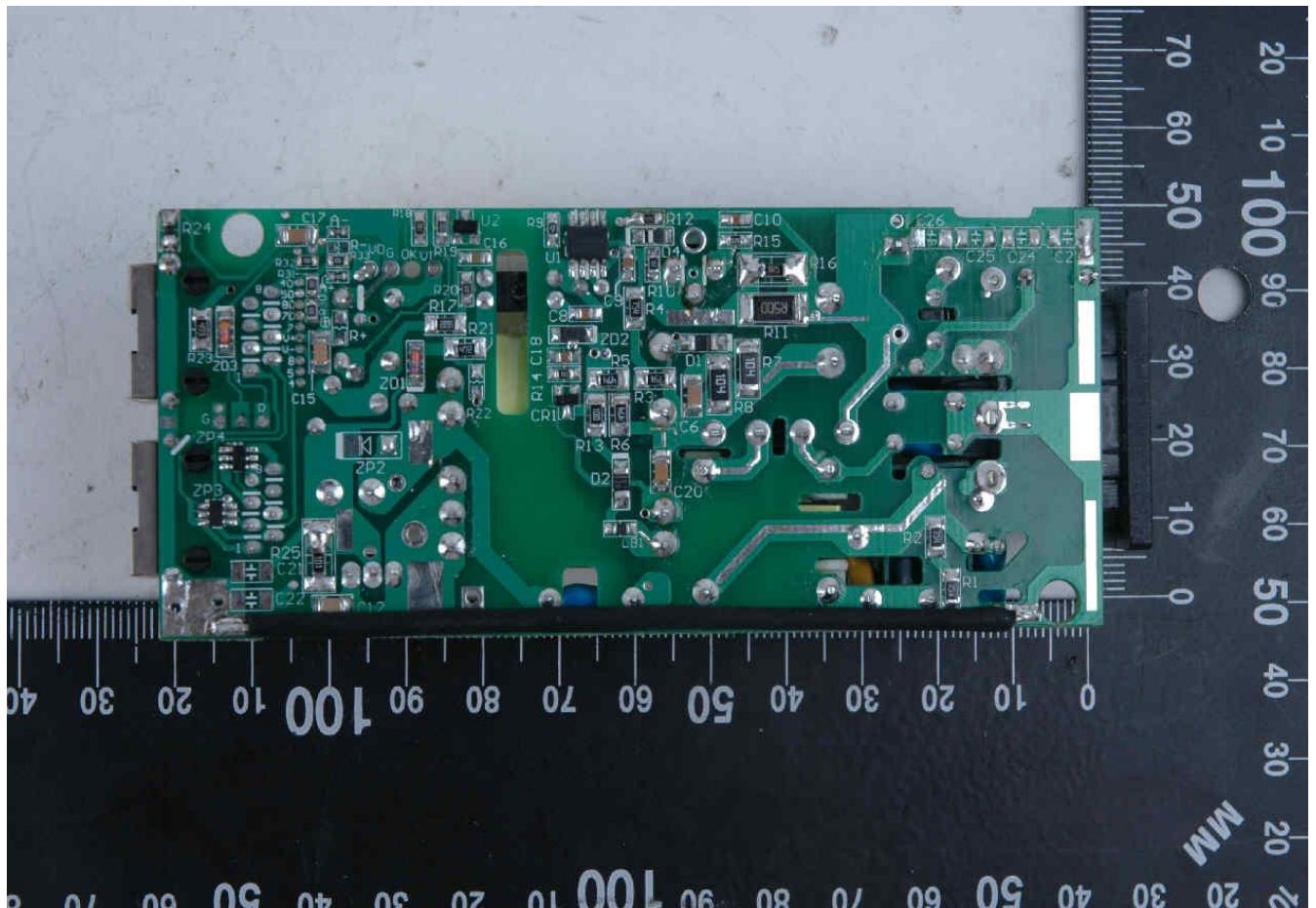


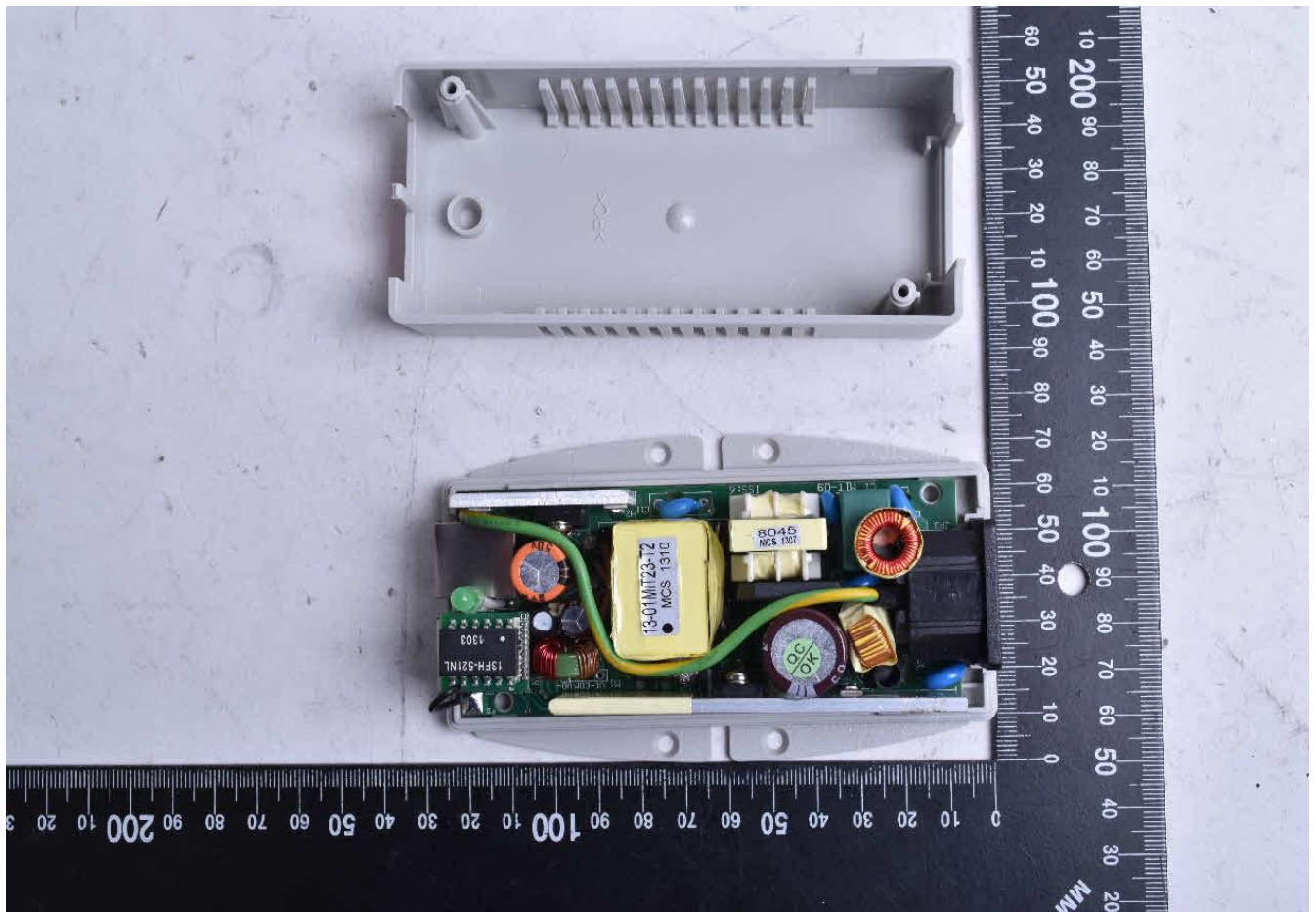


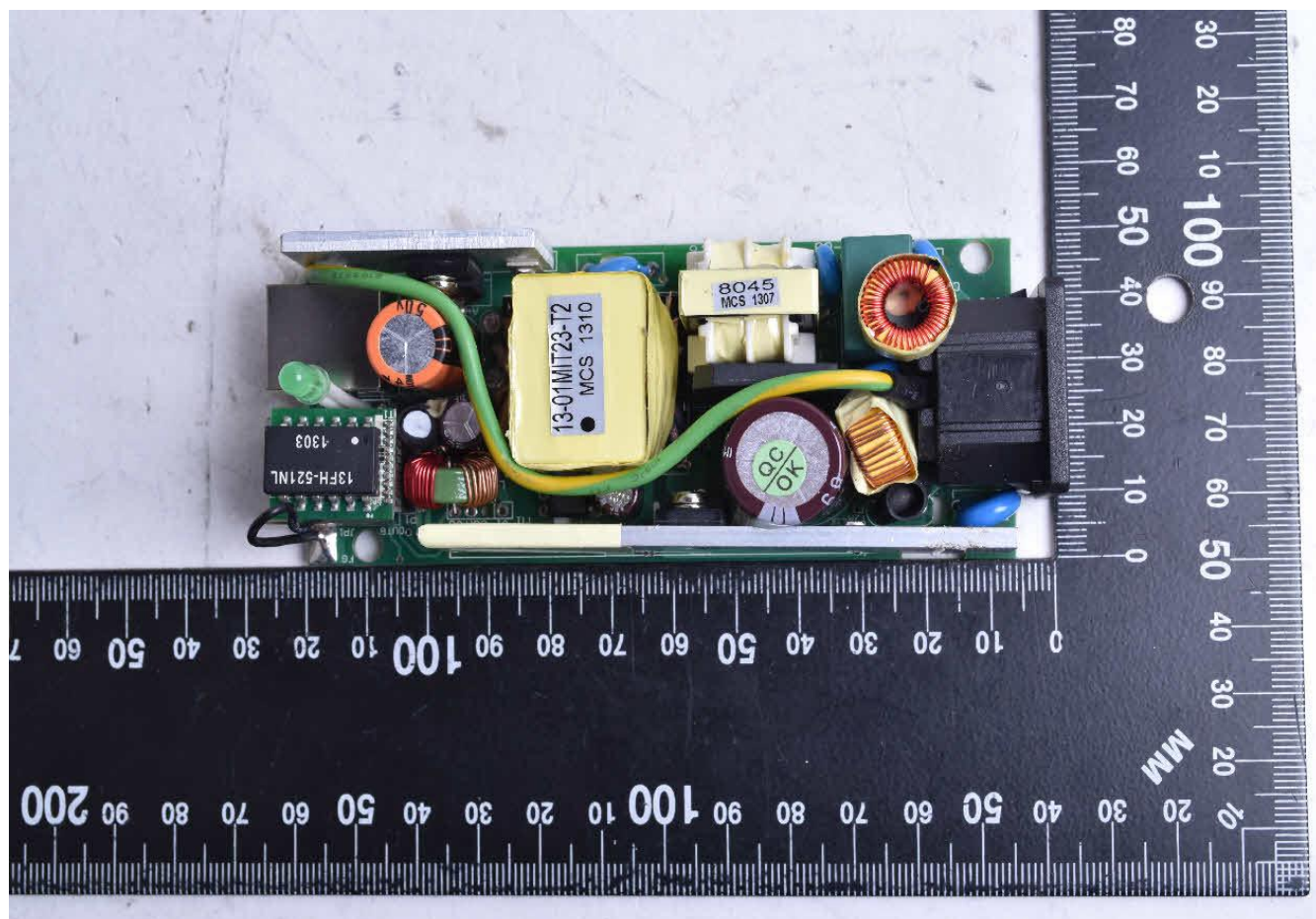




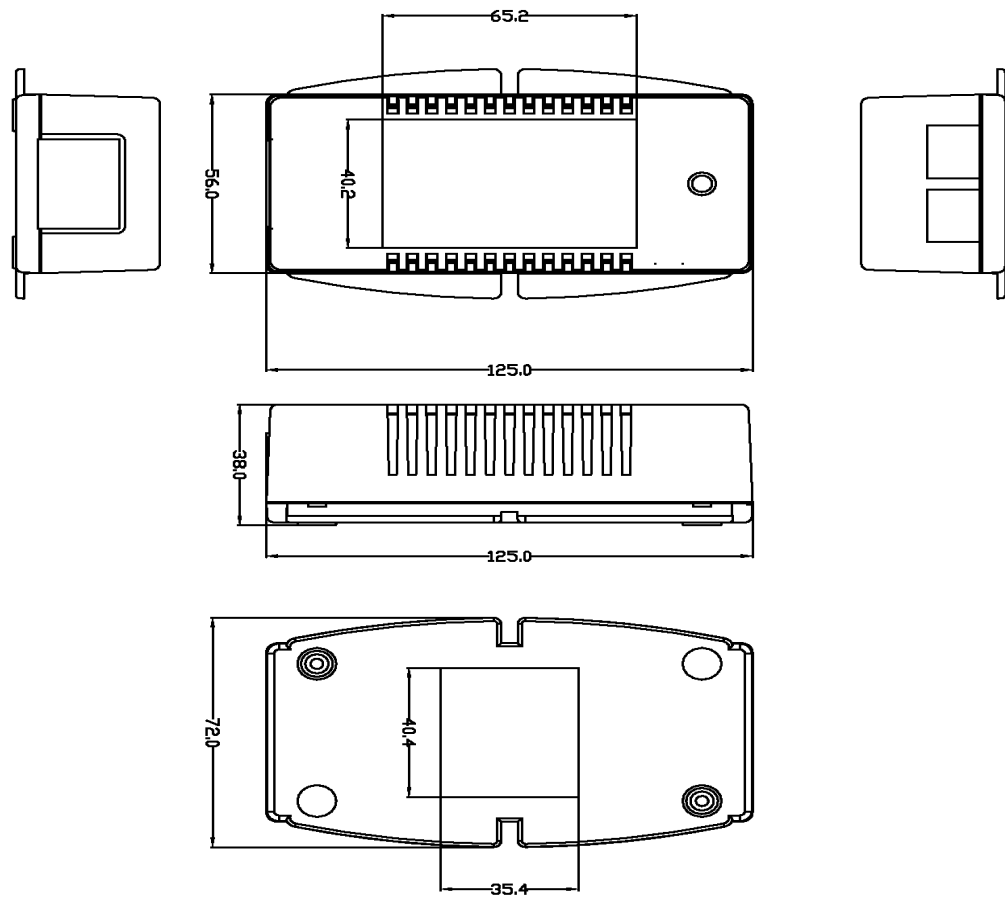


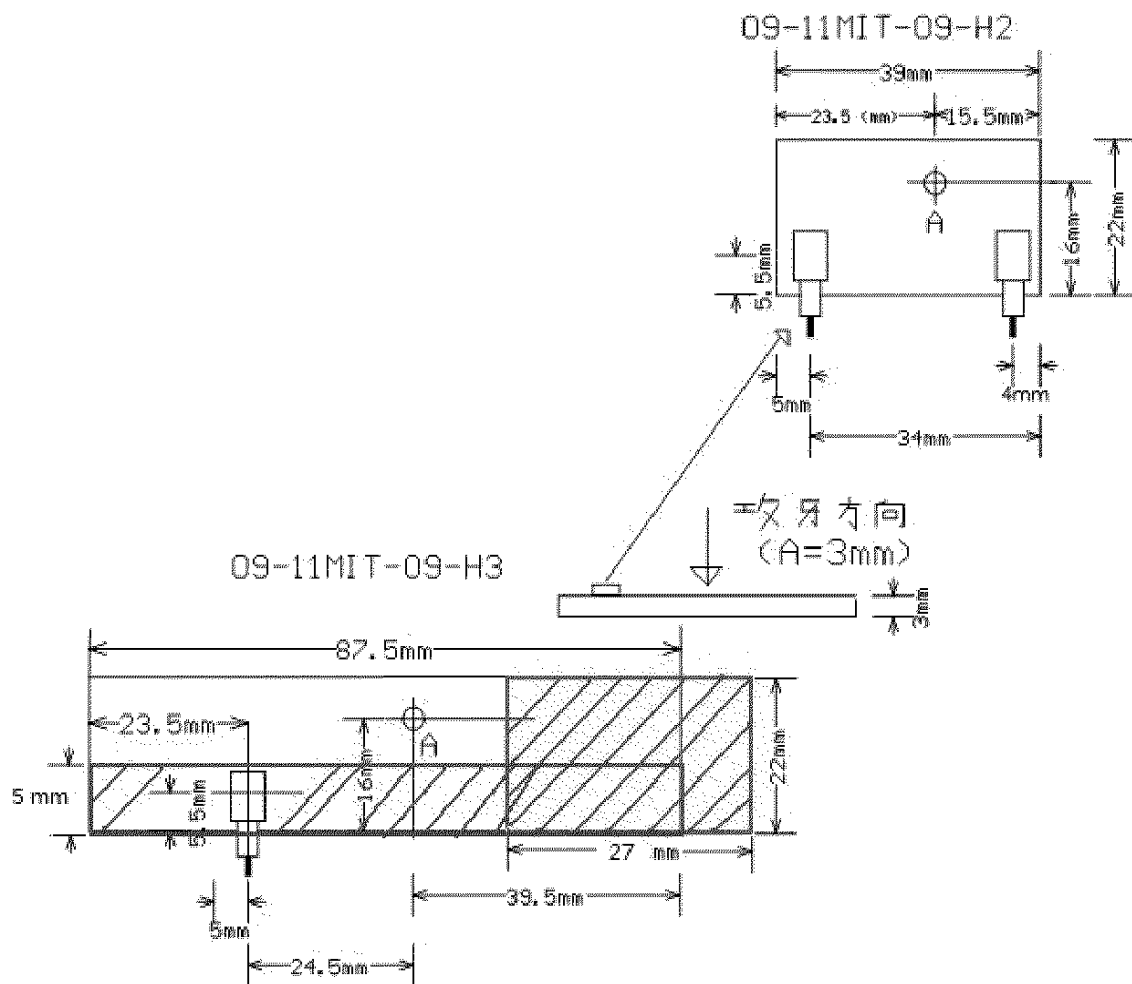


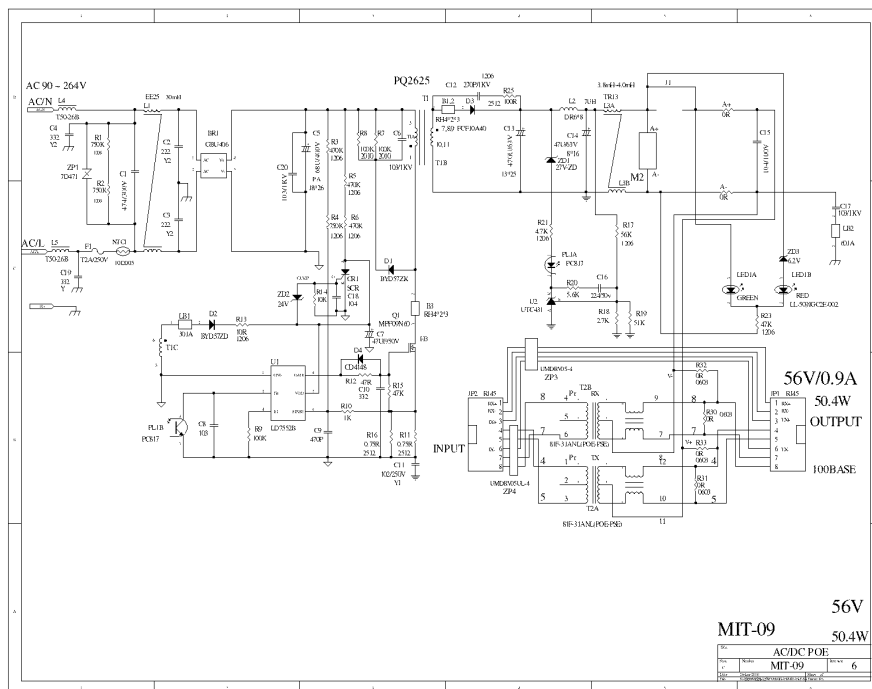


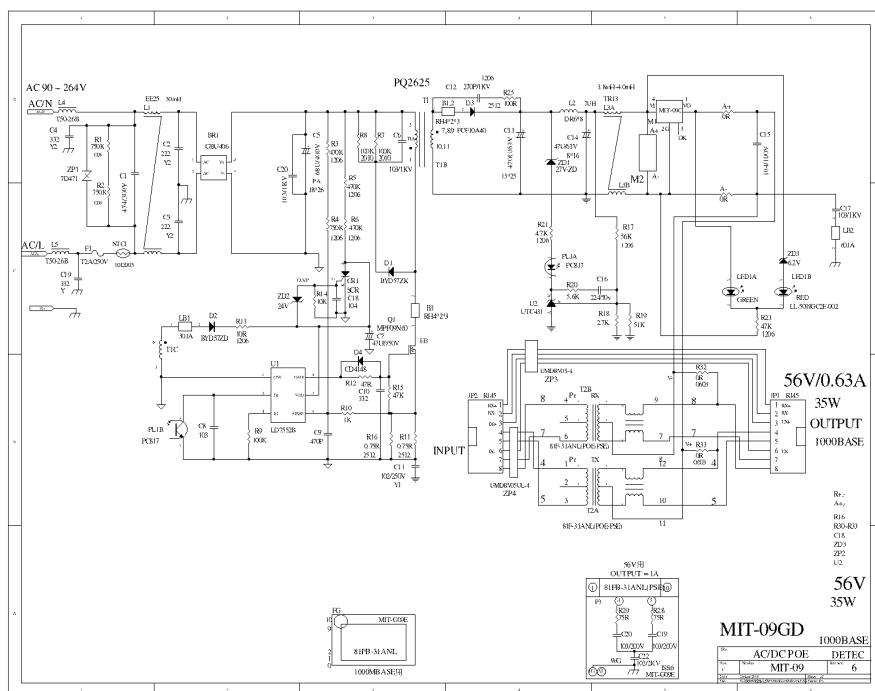


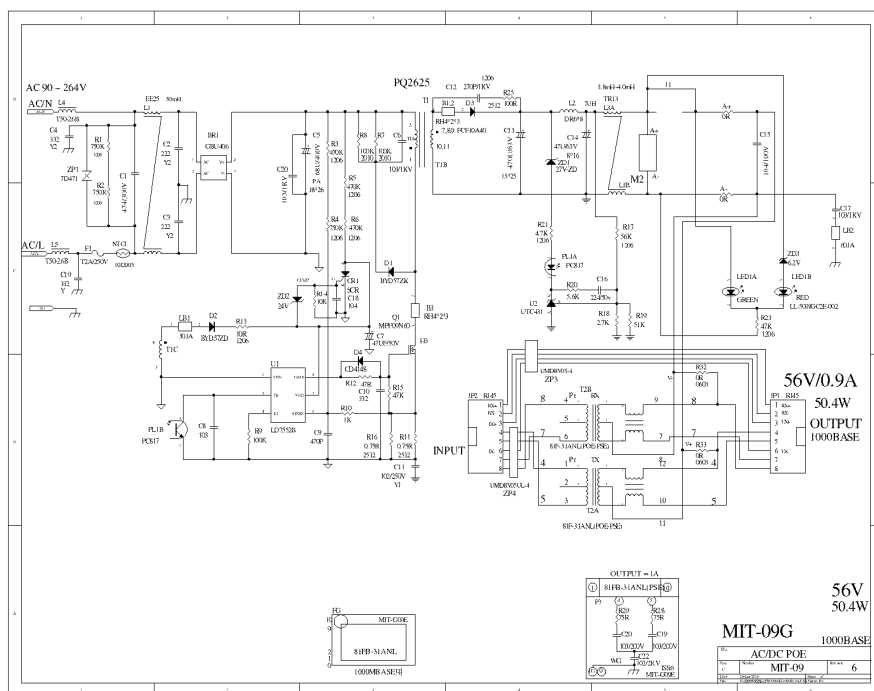
MIT-09-56 <table><tr><th>AC Input</th><th>DC Output</th></tr><tr><td>100V/500V</td><td>0V/50V 5A</td></tr></table><table><tr><th>Pin</th><th>RJ45 Input</th><th>RJ45 Output</th></tr><tr><td>1</td><td>TX+</td><td>TX+</td></tr><tr><td>2</td><td>TX-</td><td>TX-</td></tr><tr><td>3</td><td>TX+</td><td>TX+</td></tr><tr><td>4</td><td>NC</td><td>100V/500V</td></tr><tr><td>5</td><td>NC</td><td>100V/500V</td></tr><tr><td>6</td><td>TX-</td><td>TX-</td></tr><tr><td>7</td><td>NC</td><td>0V/50V</td></tr><tr><td>8</td><td>NC</td><td>0V/50V</td></tr></table> CE FCC 5A/500V sample MADE IN TAIWAN LISTED	AC Input	DC Output	100V/500V	0V/50V 5A	Pin	RJ45 Input	RJ45 Output	1	TX+	TX+	2	TX-	TX-	3	TX+	TX+	4	NC	100V/500V	5	NC	100V/500V	6	TX-	TX-	7	NC	0V/50V	8	NC	0V/50V	MIT-09-56D <table><tr><th>AC Input</th><th>DC Output</th></tr><tr><td>100V/500V</td><td>0V/50V 5A</td></tr></table><table><tr><th>Pin</th><th>RJ45 Input</th><th>RJ45 Output</th></tr><tr><td>1</td><td>TX+</td><td>TX+</td></tr><tr><td>2</td><td>TX-</td><td>TX-</td></tr><tr><td>3</td><td>TX+</td><td>TX+</td></tr><tr><td>4</td><td>NC</td><td>100V/500V</td></tr><tr><td>5</td><td>NC</td><td>100V/500V</td></tr><tr><td>6</td><td>TX-</td><td>TX-</td></tr><tr><td>7</td><td>NC</td><td>0V/50V</td></tr><tr><td>8</td><td>NC</td><td>0V/50V</td></tr></table> CE FCC 5A/500V sample MADE IN TAIWAN LISTED	AC Input	DC Output	100V/500V	0V/50V 5A	Pin	RJ45 Input	RJ45 Output	1	TX+	TX+	2	TX-	TX-	3	TX+	TX+	4	NC	100V/500V	5	NC	100V/500V	6	TX-	TX-	7	NC	0V/50V	8	NC	0V/50V	MIT-09-56R <table><tr><th>AC Input</th><th>DC Output</th></tr><tr><td>100V/500V</td><td>0V/50V 5A</td></tr></table><table><tr><th>Pin</th><th>RJ45 Input</th><th>RJ45 Output</th></tr><tr><td>1</td><td>TX+</td><td>TX+</td></tr><tr><td>2</td><td>TX-</td><td>TX-</td></tr><tr><td>3</td><td>TX+</td><td>TX+</td></tr><tr><td>4</td><td>NC</td><td>100V/500V</td></tr><tr><td>5</td><td>NC</td><td>100V/500V</td></tr><tr><td>6</td><td>TX-</td><td>TX-</td></tr><tr><td>7</td><td>NC</td><td>0V/50V</td></tr><tr><td>8</td><td>NC</td><td>0V/50V</td></tr></table> CE FCC 5A/500V sample MADE IN TAIWAN LISTED	AC Input	DC Output	100V/500V	0V/50V 5A	Pin	RJ45 Input	RJ45 Output	1	TX+	TX+	2	TX-	TX-	3	TX+	TX+	4	NC	100V/500V	5	NC	100V/500V	6	TX-	TX-	7	NC	0V/50V	8	NC	0V/50V	MIT-09-56DR <table><tr><th>AC Input</th><th>DC Output</th></tr><tr><td>100V/500V</td><td>0V/50V 5A</td></tr></table><table><tr><th>Pin</th><th>RJ45 Input</th><th>RJ45 Output</th></tr><tr><td>1</td><td>TX+</td><td>TX+</td></tr><tr><td>2</td><td>TX-</td><td>TX-</td></tr><tr><td>3</td><td>TX+</td><td>TX+</td></tr><tr><td>4</td><td>NC</td><td>100V/500V</td></tr><tr><td>5</td><td>NC</td><td>100V/500V</td></tr><tr><td>6</td><td>TX-</td><td>TX-</td></tr><tr><td>7</td><td>NC</td><td>0V/50V</td></tr><tr><td>8</td><td>NC</td><td>0V/50V</td></tr></table> CE FCC 5A/500V sample MADE IN TAIWAN LISTED	AC Input	DC Output	100V/500V	0V/50V 5A	Pin	RJ45 Input	RJ45 Output	1	TX+	TX+	2	TX-	TX-	3	TX+	TX+	4	NC	100V/500V	5	NC	100V/500V	6	TX-	TX-	7	NC	0V/50V	8	NC	0V/50V
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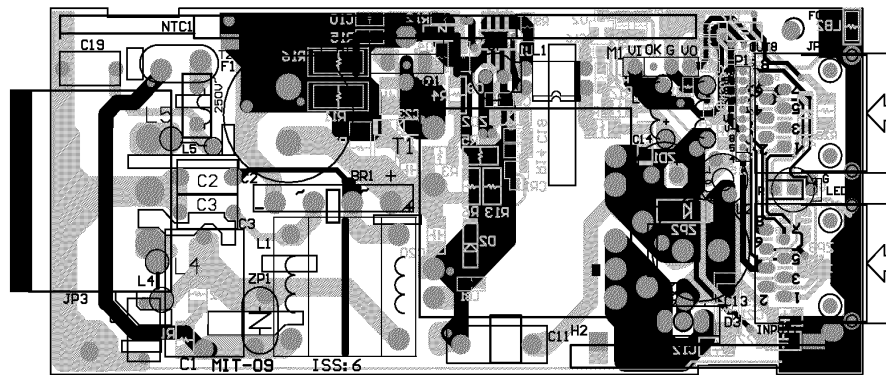


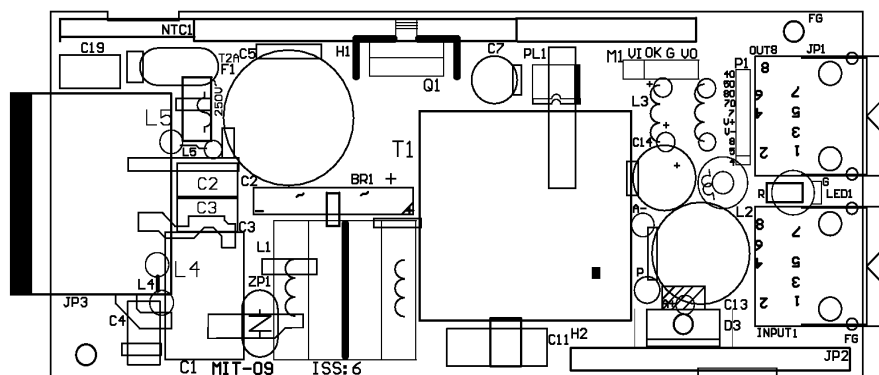


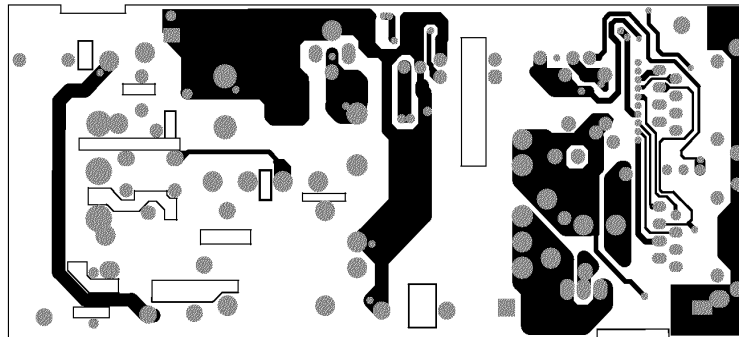


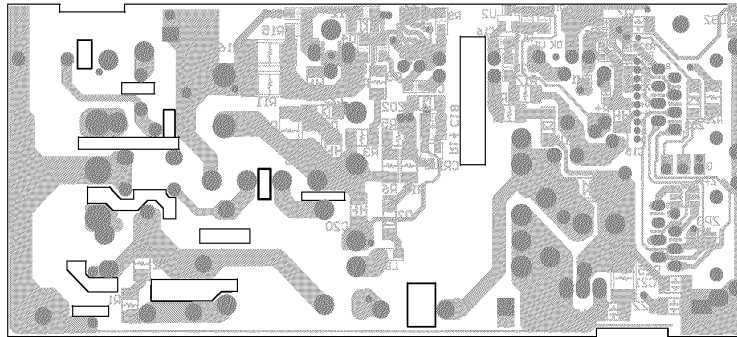


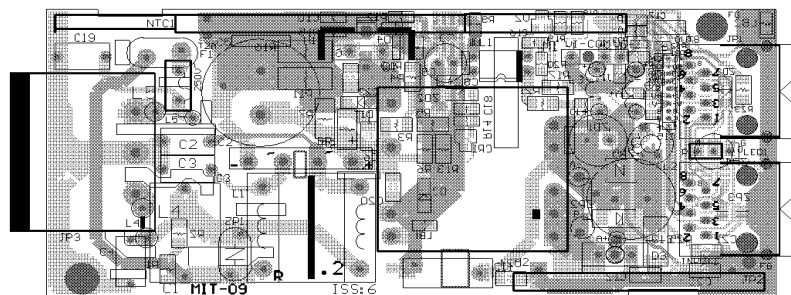
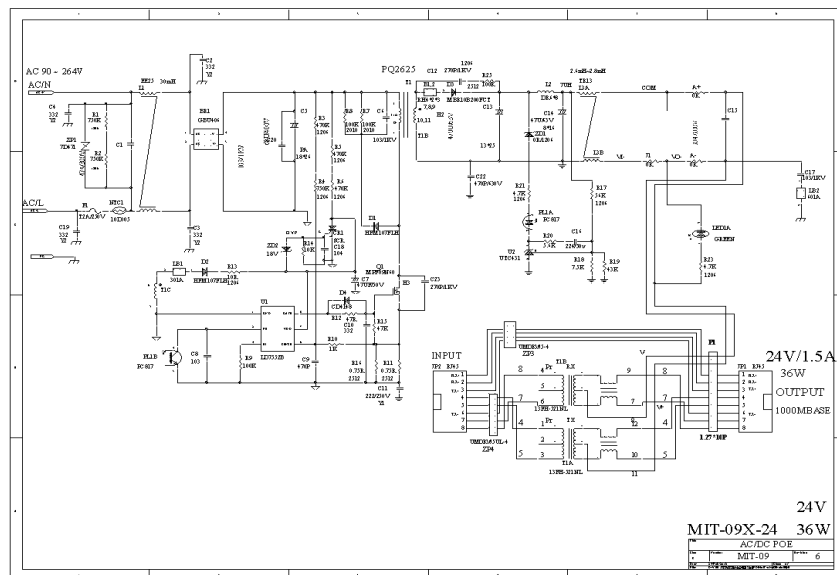


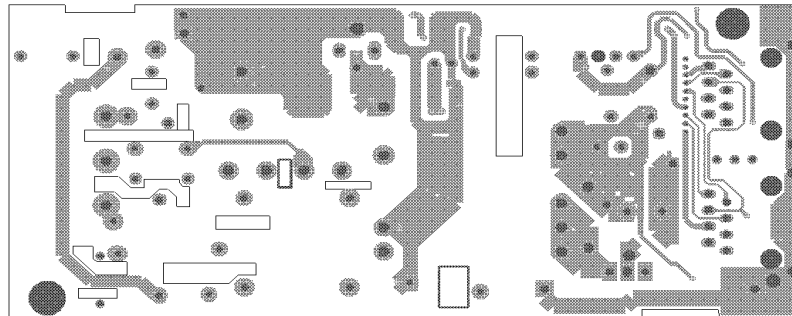
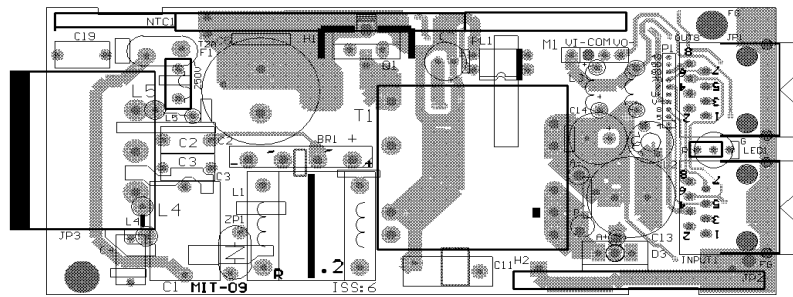


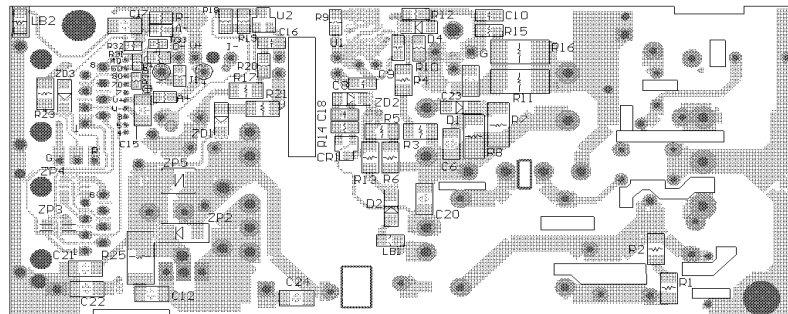
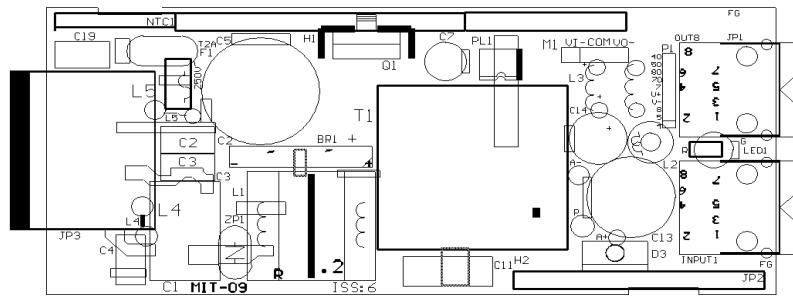


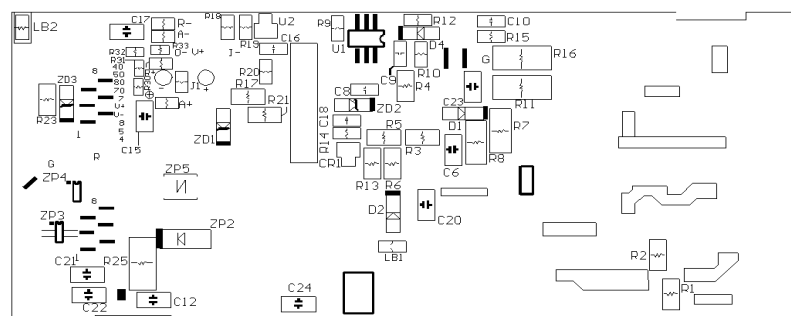
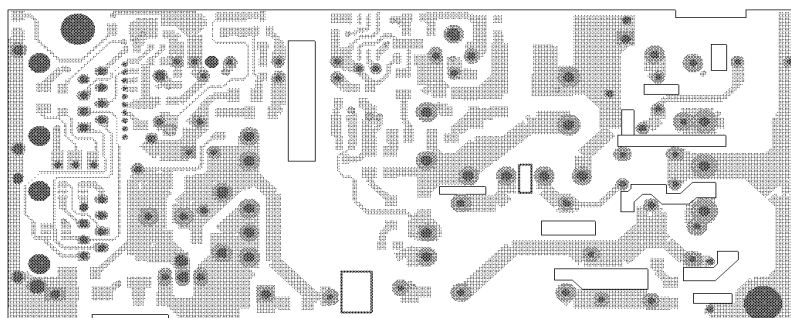


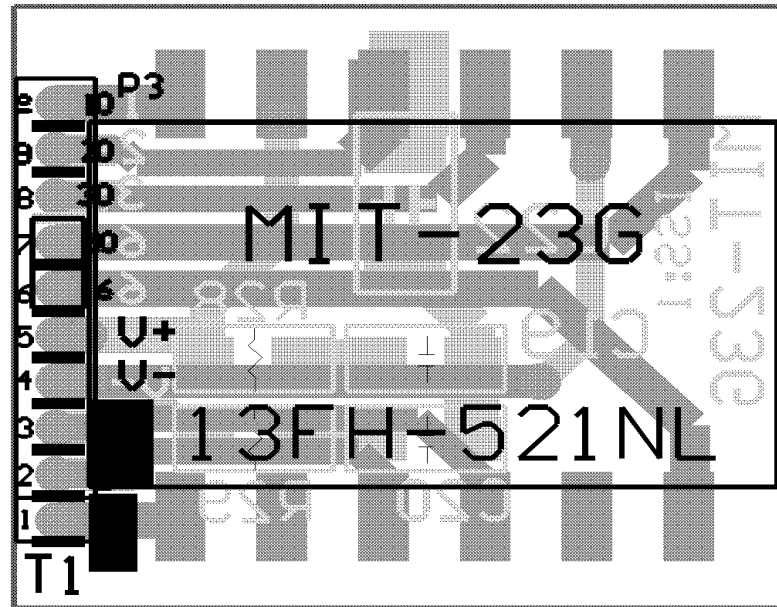


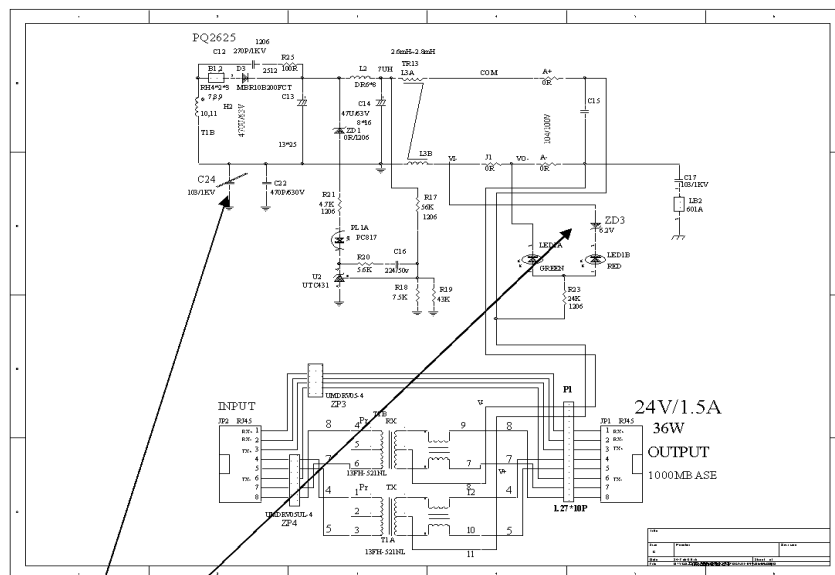












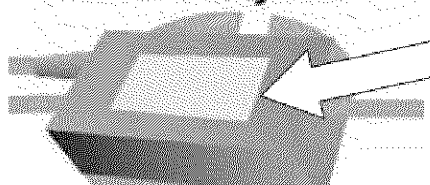
原電路是有用於 56V 輸出及 PSE 偵測。

C24 是為了預留 EMI 對策用。

ZD3 是有 PSE 偵測功能時點亮紅色 LED 用。

移除此功能及零件的電路圖就是最上列的線路圖。

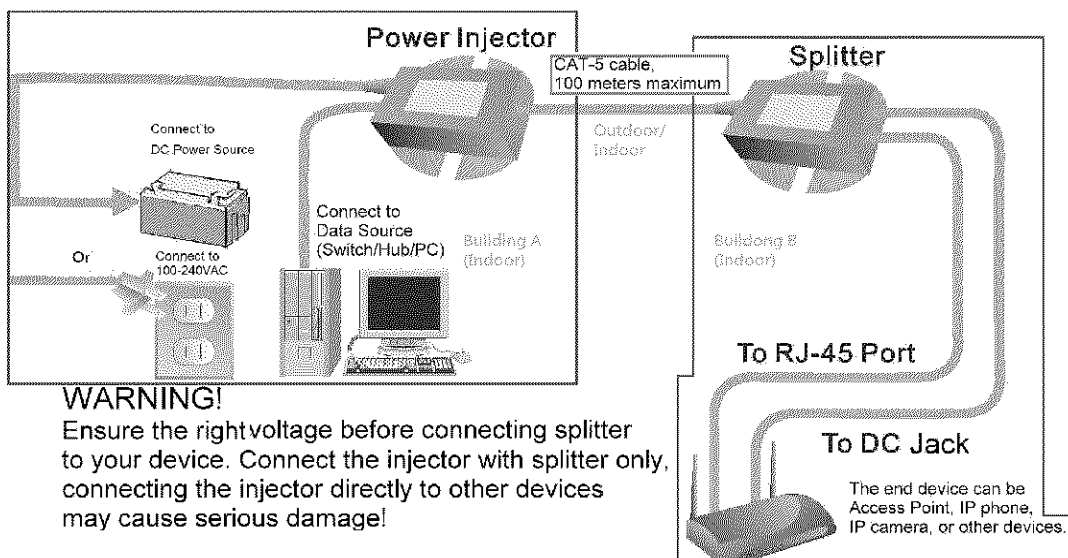
Power Injector



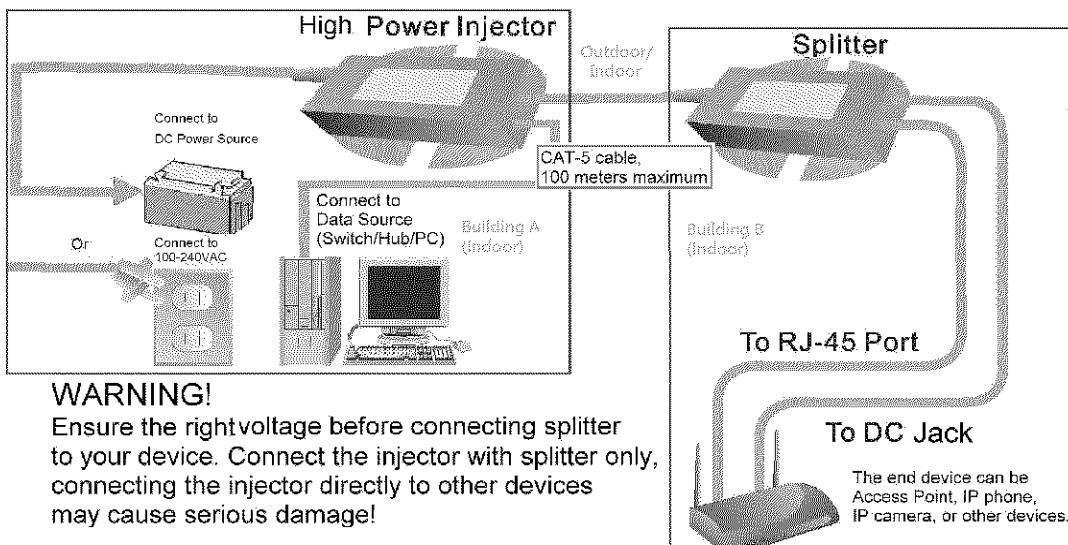
NOTICE: Secured the unit by screws or physical fit, keep the LABEL side on top.

Always place the PoE in an area that will allow air to flow freely around the unit. Do not block or obstruct any of the ventilation openings on the unit.

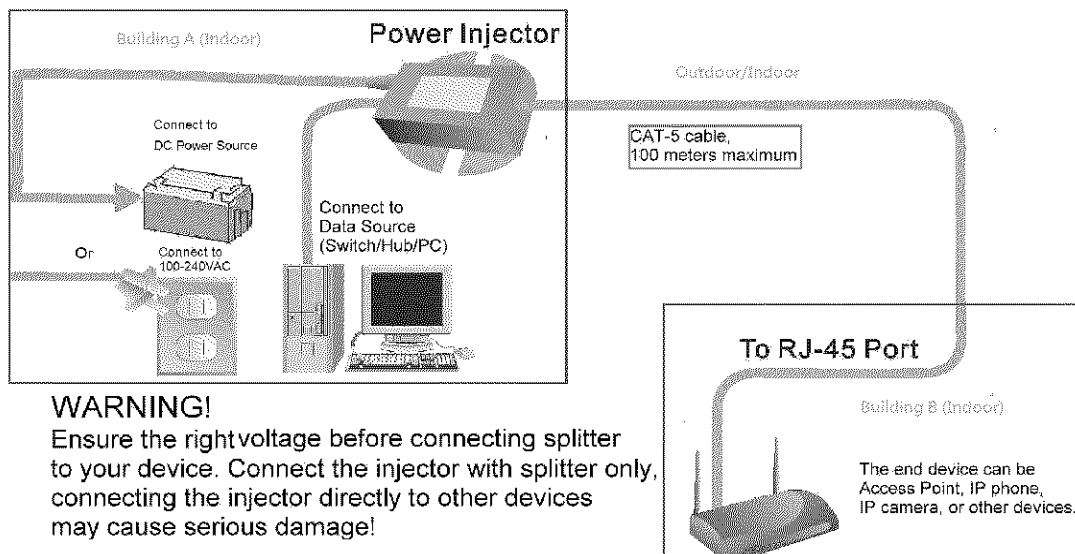
Application of POE (Power over Ethernet)



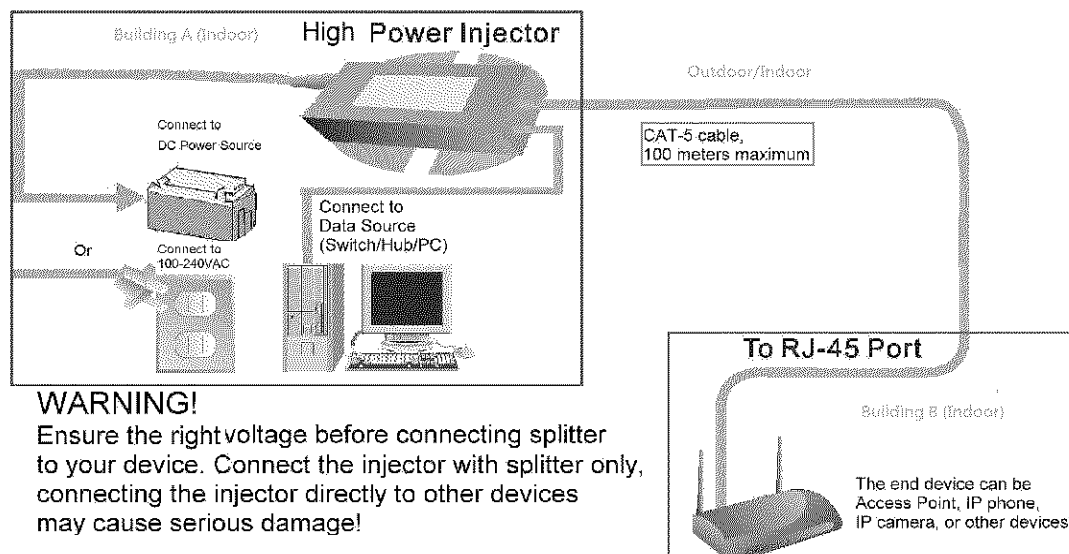
Application of POE (Power over Ethernet)



Application of POE (Power over Ethernet)



Application of POE (Power over Ethernet)



迦美科技有限公司

工程規格書

CUSTOMER: 名翔		PARTNO: 920PQ2625I (GP)		BF REV: A
DESCRIPTION: Xfmr,PQ2625,13-01MIT23-T1				
版 本	變 更 內 容	變更理由	更改者	日 期
A	首次制樣			2009/12/29
B	葉先生 1/13 通知 1 次側加 TFL 套管	客戶要求	傅明輝	2010/1/15
C	葉先生 2/5 通知鐵心及外觀底部加 TAPE	客戶要求	傅明輝	2010/2/8
APPROVED BY: 傅明輝 2/8 CHECKEDBY: 劉高學 12/29 DRAWN BY: 麥秋娟 12/29				

承 認 書

SPECIFICATION FOR APPROVAL

客戶名稱	CUSTOMER :	名 翔
產品規格	DESCRIPTION :	Xfmr,PQ2625
客戶料號	Customer'S :	13-01MIT23-T1
料 號	PART NO. :	920PQ2625I (GP)
日 期	DATE :	2010 / 2 / 8

承 認 簽 章 Confirmation

APPROVED BY	CHECKED BY	TESTED BY

迦 美 科 技 有 限 公 司

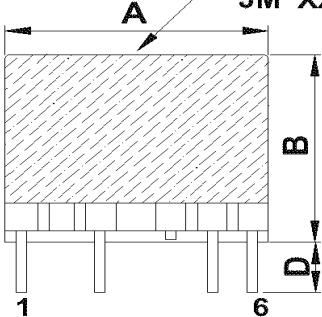
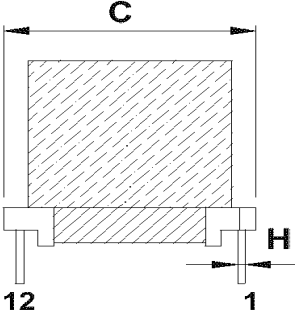
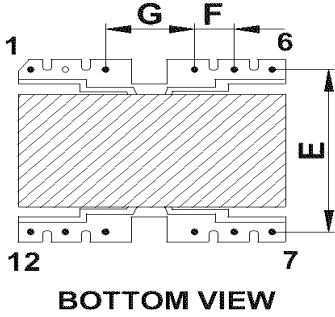
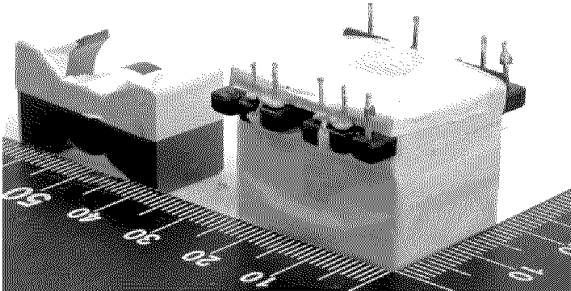
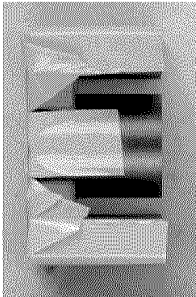
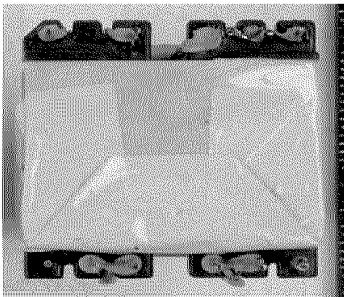
JAI MEI TECHNOLOGY INC.

TAIPEI OFFICE: 10F1., No.32 Sec. Yongji Rd.,
Taipei City, Taiwan 11070, R.O.C.

E-mail : < houie5277@yahoo.com.tw>

TEL NO:+886-2-2749-2320 FAX:+886-2-2749-1140

SPECIFICATION FOR APPROVAL

CUSTOMER: 名翔	PARTNO: 920PQ2625I (GP)	DATE:2009/12/29
DESCRIPTION: Xfmr,PQ2625,13-01MIT23-T1		BFREV:A
1. CONFIGURATION&DIMENSIONS(UNIT:mm) MARKING:23-56 JM XXXX    BOTTOM VIEW    NOTE: - 產品作業須為無鉛制程。 - 繞線時，PIN 朝外固定，繞線需平整，緊密。 - BOBBIN PIN 2 CUT OFF，PIN 4 CUT OFF1/2。 - 所有繞組結束線須做跨線絕緣，並反折直角纏 PIN。 - 鐵芯須研磨，研磨鐵芯置於 PIN 側，且該鐵芯靠 PIN7-12 側須加工，如圖所示。 - 鐵芯週邊須用 20.0mm 黃 TAPE 包 3TS 固定。 - 成品週邊線包須焊銅箔(0.025mmT*6.0mmW*1.1TS)不背膠，接 0.40mm*1P 引線加套管纏至 PIN5，焊銅箔前不用包 TAPE，銅箔焊好後，用 20.0mm 黃 TAPE 包 3TS，成品後再用 20mm TAPE 在 PIN7-12 側加工一次，如外觀圖所示。 - 產品須真空含浸處理。 - 成品需貼標籤，字朝 PIN1-6 側，標籤內容如外觀圖所示，其中“XX XX”代表年份週期。 A: 29.0 MAX B: 28.0 MAX C: 30.0 MAX D: 4.0+/-0.5 E: 25.4+/-0.5 F: 3.8+/-0.5 G: 7.5+/-0.5 H: 0.8Ø+/-0.1		
APPROVED BY: 傅明輝 2/8	CHECKEDBY: 劉高學 12/29	DRAWN BY: 麥秋娟 12/29

SPECIFICATION FOR APPROVAL

CUSTOMER: 名翔	PARTNO: 920PQ2625I (GP)	DATE: 2009/12/29
DESCRIPTION: Xfmr, PQ2625, 13-01MIT23-T1		BFREV: A

2. SCHEMATIC & WINDING CONSTRUCTION:

● ELECTRICAL START TEFLON TUBE

PRI

SEC

BOBBIN

*** 繞組 N1、N2、N3 為密繞，繞組 N4 為疏繞；所有繞組進出線均須加套管。***

APPROVED BY: 傅明輝 2/8	CHECKED BY: 劉高學 12/29	DRAWN BY: 麥秋娟 12/29
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SPECIFICATION FOR APPROVAL

CUSTOMER: 名翔		PART NO: 920PQ2625I (GP)		DATE: 2009/12/29	
DESCRIPTION: Xfmr,PQ2625,13-01MIT23-T1				BF REV: A	
4. MATERIAL LIST:					
NO	ITEM	MATERIAL	SUPPLIER	U.L.NO.	REMARKS
1	CORE (PQ2625)	FERRITE PC44	TDK CO.,LTD		V
		FERRITE 6H20	FDK CO.,LTD		V
		FERRITE JPP4	A-CORE ELECTRICAL CO.,LTD		V
2	BOBBIN TF-PQ2625	PM-9820	SUMITOMO BAKELITE CO.,LTD	E41429(M)	V
3	MAGNET WIRE	POYURE THANE ENAME- LIED COPPER WIRE 2UEW 130℃	JUNG SHING WIRE CO.,LTD	E174837(S)	V
			TA YA ELECTRIC WIRE & CABLE	E84201(S)	
4	TRIPLE INSULATED WIRE	TEX-E	FURUKAWA ELECTRIC CO LTD	E206440	V
5	TAPE 20.0 mm Y 14.0 mm Y	POLYESTER TAPE NO. ° 1350-1 130℃	MINNESOTA MINING & MFG CO ELECTRICAL SPECIALTIESDIV	E17385	V
6	TUBE AWG#18 AWG#21 AWG#28	PTFE/TFL/150V	GREAT HOLDING INDUSTRIAL CO.,LTD	E156256(S)	V
7	COPPER FOIL	0.025mmT*6.0mmW(裸銅)	HONG KONG ZHENG ZEXIANG INDUSTRIAL DEV.LIMITED		V
8	SOLDERING	CN900-05	CHERNAN MERAL INDUSTRIAL CORP		V
9	VARNISH	V-1630FS 180℃	P D GEORGE/VIKING	E73071	V
APPROVED BY: 傅明輝 2/8 CHECKED BY: 劉高學 12/29 DRAWN BY: 麥秋娟 12/29					



ONLINE CERTIFICATIONS DIRECTORY

OBJY2.E306857
Systems, Electrical Insulation - Component

[Page Bottom](#)

Systems, Electrical Insulation - Component

[See General Information for Systems, Electrical Insulation - Component](#)

FONTAINE TECHNOLOGIES CO LTD

E306857

353 HSI DONG RD
SANHSIA TOWN
TAIPEI HSIEN, 23743 TAIWAN

Class 130 (B) insulation system, designated FIS-B1.

Class 130 (B) electrical insulation system, designated CIS.04.

Marking: Company name and system designation.

[Last Updated](#) on 2007-06-28

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迦美科技有限公司

工程規格書

CUSTOMER: 名翔		PART NO: 920T5026B0 (GP)		BF REV: A
DESCRIPTION: Chk,T50-26B,13-02MIT09-L4 臥式				
版 本	變 更 內 容	變更理由	更改者	日 期
A	首次制樣			2008/07/02
APPROVED BY:		CHECKED BY:劉高學 07/02	DRAWN BY: 楊怡萍 07/02	

>

請 承 認 書

SPECIFICATION FOR APPROVAL

客戶名稱	CUSTOMER :	名 翔
產品規格	DESCRIPTION :	Chk,T50-26B 臥式
客戶料號	Customer'S :	13-02MIT09-L4
料 號	PART NO. :	920T5026B0 (GP)
日 期	DATE :	2008 / 7 / 2

承 認 簽 章 Confirmation

APPROVED BY	CHECKED BY	TESTED BY

迦 美 科 技 有 限 公 司

JAI MEI TECHNOLOGY INC.

TAIPEI OFFICE: 10F1., No.32 Sec. Yongji Rd.,
Taiwan City, Taiwan 11070, R.O.C.

E-mail : <houie5277@yahoo.com.tw>

TEL NO:+886-2-2749-2320 FAX:+886-2-2749-1140

SPECIFICATION FOR APPROVAL

CUSTOMER: 名翔	PART NO: 920T5026B0 (GP)	DATE: 2008/07/02
DESCRIPTION: Chk,T50-26B,13-02MIT09-L4 臥式		BF REV: A

1. CONFIGURATION&DIMENSIONS(UNIT:mm)

NOTE:

- 繞線需均勻平整，銅線不可打結，破皮。
- 繞組 N1 的出入線套 TFL TUBE，如外觀圖所示。
- 注意出線方式為臥式，如外觀圖所示。
- 測量以感量為準，圈數參考。
- 產品不用含浸處理，須無鉛制程。
- 成品週邊需套 UL TUBE，如外觀圖所示。

2. ELECTRICAL CHARACTE:

(1).INDUCTANCE:1KHZ / 0.25V (儀器: HP-4263B)
L(S-F): 92.0uH+/-25%

(2). DC RESISTANCE: AT 25°C
DCR(S-F): 150mΩ MAX

Dimensions:

- A: 17.0 MAX
- B: 9.0 MAX
- C: 20.0+/-2.0
- D: 35.0+/-2.0
- E : 15.0+/-2.0
- F : 0.45Φ +/-0.05

Wiring Diagram:

APPROVED BY: **CHECKED BY:** 劉高學 07/02 **DRAWN BY:** 楊怡萍 07/02

SPECIFICATION FOR APPROVAL

CUSTOMER: 名翔		PART NO: 920T5026B0 (GP)		DATE: 2008/07/02	
DESCRIPTION: Chk,T50-26B,13-02MIT09-L4 臥式				BF REV: A	
4. MATERIAL LIST: 1. CORE: T50-26B 2. WIRE: NI(S-F)0.45mm*45.5TS (REF) 3. TUBE : 14Φ*10mmL(black) 4. TUBE : AWG#24 透明 TFL					
NO	ITEM	MATERIAL	SUPPLIER	U.L. NO.	REMARKS
1	CORE	T50-26B	SAMSON CO.,LTD		V
		T50-26B	DOKIN PRECISION ELECTRONIC MATERIAL CO.,LTD		V
2	WIRE	POYURETHANEENAME-LIED COPPER WIRE 2UEW 130℃	JUNG SHING WIRE CO.,LTD	E174837(S)	V
			TA YA ELECTRIC WIRE & CABLE CO.,LTD	E84201(S)	V
3	TUBE AWG#24	PTFE/TFL/150V	GREAT HOLDING INDUSTRIAL CO.,LTD	E156256(S)	V
4	TUBE 14Ø BLACK	HEAT SHRINKABLE FUE 125℃	SHENZHEN CHANGYUAN ELECTRONIC MATERIAL CO LTD	E180908	
5	SOLDERING	CN900-05	CHERNAN MERAL INDUSTRIAL CORP		
APPROVED BY:		CHECKED BY: 劉高學 07/02		DRAWN BY: 楊怡萍 07/02	

迦美科技有限公司

工程規格書

CUSTOMER: 名 翔		PART NO: 920T5026BA (GP)		BF REV: A
DESCRIPTION: Chk,T50-26B,13-02MIT09-L5				
版 本	變 更 內 容	變更理由	更改者	日 期
A	首次發行			2008/08/21
APPROVED BY:傅明輝 07/03 07/03		CHECKED BY: 劉高學 07/03		DRAWN BY: 陳賢

>

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SPECIFICATION FOR APPROVAL

客戶名稱	CUSTOMER :	名 翔
產品規格	DESCRIPTION :	Chk,T50-26B
客戶料號	Customer'S :	13-02MIT09-L5
料 號	PART NO. :	920T5026BA (GP)
日 期	DATE :	2008 / 7 / 3

承 認 簽 章 Confirmation

APPROVED BY	CHECKED BY	TESTED BY

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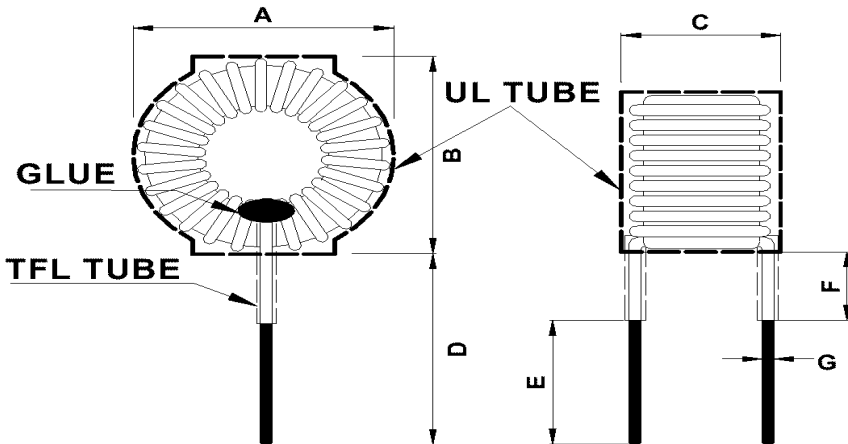
JAI MEI TECHNOLOGY INC.

TAIPEI OFFICE: 10F1., No.32 Sec. Yongji Rd.,
Taiwan City, Taiwan 11070, R.O.C.

E-mail : <houie5277@yahoo.com.tw>

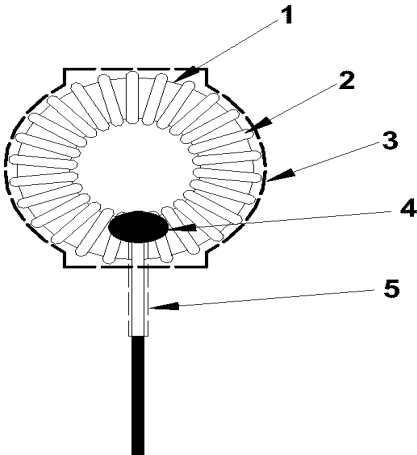
TEL NO:+886-2-2749-2320 FAX:+886-2-2749-1140

SPECIFICATION FOR APPROVAL

CUSTOMER: 名 翹	PART NO: 920T5026BA (GP)	DATE: 2008/07/03
DESCRIPTION: Chk,T50-26B,13-02MIT09-L5		BF REV: A
1. CONFIGURATION&DIMENSIONS(UNIT:mm)  NOTE: - 排線須均勻, 平整, 線不可破皮。 - 繞組 N1 出入線須套 TFL TUBE, 出線長度如外觀圖所示。 - 繞組 N1 出入線須點兩點膠固定, 如外觀圖所示。 - 測量以感量為準, 圈數參考。 - 產品不用含浸處理, 須無鉛制程。 - 成品週邊需套 UL 套管, 如外觀圖所示。 2. ELECTRICAL CHARACTER: (1).INDUCTANCE:AT: 1KHZ / 0.25V (儀器: HP-4263B) L(S-F): 92uH+/-25% (2). DC RESISTANCE: AT 25°C DCR(S-F):150mΩ MAX S ——— N1 ● 0.45mm*45.5TS F ——— REF A: 17.0 MAX B: 17.0 MAX C: 9.0 MAX D: 25.0+/-2.0 E: 15.0+/-2.0 F: 10.0 固定 G: 0.45Φ +/-0.05		
APPROVED BY: 傅明輝 07/03	CHECKED BY: 劉高學 07/03	DRAWN BY: 陳賢 07/03

SPECIFICATION FOR APPROVAL

CUSTOMER: 名 翔	PART NO: 920T5026BA (GP)	DATE: 2008/07/03
DESCRIPTION: Chk,T50-26B,13-02MIT09-L5		BF REV: A



1. CORE: T50-26B
2. WIRE: NI(S-F)0.45mm*45.5TS (REF)
3. TUBE : 14Φ*16mmL(black)
4. GLUE : 6020H black
5. TUBE : AWG#24 透明 TFL

4. MATERIAL LIST:					
NO	ITEM	MATERIAL	SUPPLIER	U.L. NO.	REMARKS
1	CORE	T50-26B	SAMSON CO.,LTD		V
		T50-26B	DOKIN PRECISION ELECTRONIC MATERIAL CO.,LTD		V
2	MAGNET WIRE	POYURE THANE ENAME- LIED COPPER WIRE 2UEW 130℃	JUNG SHING WIRE CO.,LTD	E174837(S)	V
			TA YA ELECTRIC WIRE & CABLE CO.,LTD	E84201(S)	
3	TUBE AWG#24	PTFE/TFL/150V	GREAT HOLDING INDUSTRIAL CO.,LTD	E156256(S)	V
4	GLUE	EPOXY/6020H 90℃/94 V-0	WELLS ELECTRONIC MATERIAL (GUANGZHOU) CO.,LTD	E229633	V
5	TUBE 12Ø BLACK	HEAT SHRINKABLE FUE 125℃	SHENZHEN CHANGYUAN ELECTRONIC MATERIAL CO LTD	E180908	V
6	SOLDERING	CN900-05	CHERNAN MERAL INDUSTRIAL CORP		V

APPROVED BY: 傅明輝 07/03	CHECKED BY: 劉高學 07/03	DRAWN BY: 陳賢 07/03
------------------------	-----------------------	--------------------

承 認 書

(SPECIFICATION FOR APPROVAL)

客 戶 名 稱 :

(CUSTOMER.)

名翔電子有限公司

零 件 名 稱 :

(DESCRIPTION)

TRANSFORMER

PQ2625 L: 620uH±20uH

貴 公 司 料 號 :

(CUSTOMER PT/NO.)

13-01MIT23-T2

迦 美 料 號 :

(JM PT/NO.)

SP12056T-LF

提 樣 編 號 :

(SAMPLES SUBMIT NO.)

SP12G092

發 行 版 本 :

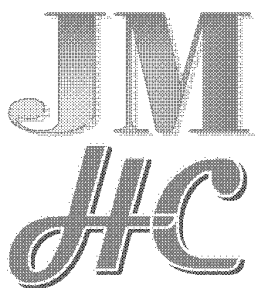
(ISSUE REVISION.)

01

發 行 日 期 :

(ISSUE DATE.)

APR 07,2016

**迦美科技有限公司**

JAI MEI TECHNOLOGY INC

公司地址: 台北市信義區永吉路 32 號 10 樓

TEL : 886-2-2749-2320

FAX : 886-2-2749-1140

東莞樟木頭鴻全電子製品廠

DONGGUAN ZHANGMUTOU HONGCHAN ELECTRONICS CO.,LTD

工廠地址: 東莞市樟木頭墟鎮樟洋銀洋第三工業區

TEL : 86-769-8718-5568,8719-1918

FAX : 86-769-8718-5211



E231049

SPECIFICATION FOR APPROVAL



CUSTOMER NAME: 名翔電子有限公司

CUSTOMER PT/NO: 13-01MIT23-T2

DESCRIPTION: TRANSFORMER

SP PT/NO. SP12056T-LF

SAMPLE SUBMIT NO.: SP12G092

ISSUE DATE APR 07,2016

REV: 01

MODIFY MATTER LIST				
ITEM	DATE	REV	MODIFY MATTER EXPLAIN	NOTE
1.	2012/5/21	00	ISSUE	
2.	2016/4/7	01	修改標籤字樣	
APPROVED BY :		CHECKED BY :		PREPARED BY :
				

SPECIFICATION FOR APPROVAL



CUSTOMER NAME: 名翔電子有限公司

CUSTOMER PT/NO: 13-01MIT23-T2

DESCRIPTION: TRANSFORMER

SPPT/NO. SP12056T-LF

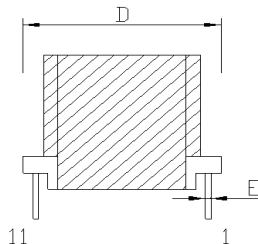
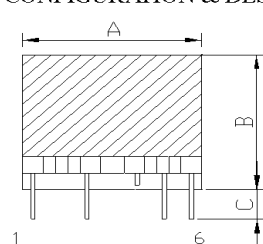
SAMPLE SUBMIT NO.: SP12G092

ISSUE DATE

APR 07,2016

REV: 01

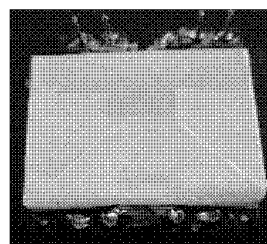
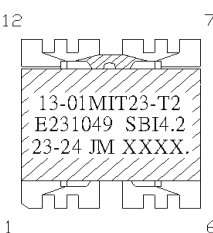
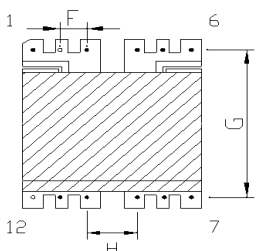
(1) CONFIGURATION & DESCRIPTION



UNIT : m/m



圖一



圖二

- ※ BOBBIN PIN 2,12 CUT OFF, PIN 4 CUT OFF 1/2
- ※ 產品須含浸,須無鉛制程,繞線時,PIN 朝外固定
- ※ 所有繞組結束線須做跨線絕緣,並反折直角纏 PIN
- ※ 鐵芯須研磨,研磨鐵芯置於 PIN 側,且該鐵芯須加工(如圖一)
- ※ 鐵芯須用 20.0mmTAPE 包 3Ts 固定.成品須貼標籤,字朝 PIN 1-6 側
- ※ 成品線包須焊銅箔(0.025T*6.0mm*1.1Ts)不背膠,接 0.40 ϕ *1P 引線加套管纏至 PIN5,焊銅箔前不用包 TAPE,銅箔焊好後,用 20.0mmTAPE 包 3Ts,成品後再 12mmTAPE 在 PIN7-12 側加工一次(如圖二),再包 CORE TAPE 1T

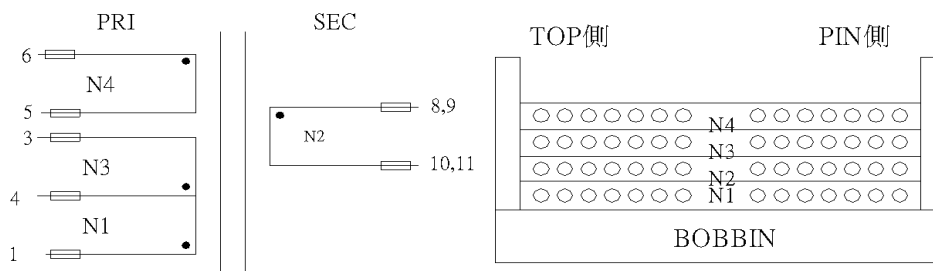
NO.	A	B	C	D	E	F	G	H	I	J	K
SPECIFICATION	30.0	28.0	4.0	31.0	0.8 ϕ	3.8	25.4	7.5			
TOLERANCE	MAX	MAX	± 0.5	MAX	± 0.1	± 0.5	± 0.5	± 0.5			
APPROVED BY :			CHECKED BY :				PREPARED BY :				

SPECIFICATION FOR APPROVAL



CUSTOMER NAME: 名翔電子有限公司 CUSTOMER PT/NO: 13-01MIT23-T2
 DESCRIPTION: TRANSFORMER SP PT/NO. SP12056T-LF
 SAMPLE SUBMIT NO.: SP12G092 ISSUE DATE APR 07,2016 REV: 01

(2)SCHEMATIC



※ NOTE ● START,  TEFLON TUBE,

(3)WINDING CONSTRUCTION

WINDING ORDER		TERMINAL NO. START – FINISH	WINDING SPECIFICATION	MYLAR TAPE	REMARK	
#1	N1	1 – 4	UEWS/U 0.35 \$ *2*17Ts	3 Ts	密繞	
#2	N2	8,9– 10,11	TEX-E 0.80 \$ *2*8Ts	3 Ts	密繞	
#3	N3	4 – 3	UEWS/U 0.35 \$ *2*16Ts	3 Ts	密繞	
#4	N4	6 – 5	UEWS/U 0.30 \$ *1*5Ts	3 Ts	疏繞	
#5						
#6						
#7						
#8						
#9						
APPROVED BY :		陳 105.04.07 淑芬	CHECKED BY :	陳 105.04.07 淑芬	PREPARED BY :	卜 105.04.07 海橋

SPECIFICATION FOR APPROVAL



CUSTOMER NAME: 名翔電子有限公司 CUSTOMER PT/NO: 13-01MIT23-T2
 DESCRIPTION: TRANSFORMER SP PT/NO. SP12056T-LF
 SAMPLE SUBMIT NO.: SP12G092 ISSUE DATE APR 07,2016 REV: 01

ELECTRICAL CHARACTERISTICS				
NO.	PARAMETER	TERMINAL	SPECIFICATION	TEST INSTRUMENTS
1.	INDUCTANCE	1 – 3	620uH±20 uH	DELTA UNITED 6021 or EQU. @1KHz, 1Vrms.
2.	LEAKAGE INDUCTANCE			DELTA UNITED 6021 or EQU. @ KHz, Vrms.
3.	DC RESISTANCE	1 – 3	210 mΩ MAX	DELTA UNITED 5010 or EQU. @25°C
4.	HI-POT	P-S S-CORE	AC 3.75KV,5mA/ 3SEC AC 3.75KV,5mA/ 3SEC	DELTA UNITED 3315 or EQU. (f=60Hz)
5.	INSULATION RESISTANCE	COIL-COIL COIL-CORE	DC 500V, 100M OHM MIN.	DELTA UNITED 3315 or EQU.
TEST CONDITION : TEMPERATURE : 25°C HUMIDITY : 65% RH				
APPROVED BY :		CHECKED BY :		PREPARED BY :

SPECIFICATION FOR APPROVAL



CUSTOMER NAME: 名翔電子有限公司

CUSTOMER PT/NO: 13-01MIT23-T2

DESCRIPTION: TRANSFORMER

SP PT/NO. SP12056T-LF

SAMPLE SUBMIT NO.: SP12G092

ISSUE DATE APR 07,2016

REV: 01

PART MATERIAL IDENTIFICATION					
No	ITEM	MATERIAL	CLASS	UL FILE NO.	MANUFACTURER
1.	INSULATION SYSTEM	CLASS 130(B) SBI4.2		E231049	DONGGUAN ZHANGMUTOU HONG CHAN ELECTRONICS CO.,LTD.
2.	CORE	PQ2625 PC44			TDK
		PQ2625 6H20			FDK
		PQ2625 JPP-4			A-CORE
3.	BOBBIN	PM9820 (HD-059 or EQU)	150℃	E41429	SUMITOMO BAKELITE CO LTD
4.	TAPE	POLYESTER CAT . NO. 35660	130℃	E50292	SYMBIO INC
		NO.1350F-1	130℃	E17385	3M COMPANY ELECTRICAL PRODUCTS DIV
		NO.1350F-2	130℃	E165111	JINGJIANG YAHUA PRESSURE SENSITIVE GLUE CO.,LTD.
5.	WIRE	UEWS/U MW75-C	130℃	E201757	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN)CO.,LTD.
6.	TRIPLE WIRE	TEX-E	130℃	E206440	FURUKAWA ELECTRIC CO LTD
		TIW-2	130℃	E166483	TOTOKU ELECTRIC CO LTD
7.	VARNISH	V1380FC	130℃	E75225	ELANTAS ELECTRICAL INSULATION ELANTAS PDG INC
8.	TUBE	TEFLON (TFL)	200℃	E156256	GREAT HOLDING INDUSTRIAL CO.,LTD.
9.	COPPER FOIL	COPPER FOIL			SHEN ZHEN WEN XIANG TECH CO.,LTD.
APPROVED BY :		CHECKED BY :		PREPARED BY :	

SPECIFICATION FOR APPROVAL



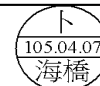
CUSTOMER NAME: 名翔電子有限公司 CUSTOMER PT/NO: 13-01MIT23-T2
 DESCRIPTION: TRANSFORMER SPPT/NO. SP12056T-LF
 SAMPLE SUBMIT NO.: SP12G092 ISSUE DATE APR 07,2016 REV: 01

TEST ITEM	INDUCANCE	DCR
TEST FREQ.	@1KHz , 1 Vrms.	25°C
TERMINAL	1 - 3	1 - 3
SP SPEC.	620uH±20uH	210 mΩ MAX
1.	618.3uH	170.6 mΩ
2.	626.4uH	170.1mΩ
3.		
4.		
5.		

TEST ITEM	HI-POT	
TEST CONDITION	3.75KV/5mA/3SEC	3.75KV/5mA/3SEC
TERMINAL	PRI-SEC	SEC-CORE
1.	OK	OK
2.	OK	OK
3.		
4.		
5.		

1. TEST INSTRUMENTS :
 DELTA UNITED 6021 or EQU.
 DELTA UNITED 5010 or EQU.
 DELTA UNITED 3315 or EQU.

2. TEST CONDITION :
 TEMPERATURE : 25°C
 HUMIDITY : 65% RH

APPROVED BY :  陳淑芬 105.04.07	CHECKED BY :  陳淑芬 105.04.07	PREPARED BY :  陳淑芬 105.04.07
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OBJY2.E231049 - Systems, Electrical Insulation - Component

**ONLINE CERTIFICATIONS DIRECTORY**[Home](#) [Quick Guide](#) [Contact Us](#) [UL.com](#)OBJY2.E231049
Systems, Electrical Insulation - Component[Page Bottom](#)

Systems, Electrical Insulation - Component

[See General Information for Systems, Electrical Insulation - Component](#)**DONGGUAN ZHANGMUTOU HONG CHAN**
ELECTRONICS CO LTD
YINYANG THE THIRD INDUSTRIAL AREA
ZHANGMUTOU HSU TOWN
DONGGUAN, GUANGDONG 523636 CHINA

E231049

Class 130 (B) insulation system, designated "Viking B-2".**Class 130 (B) insulation system**, designated SBI4.2.**Class 155(F) insulation system** , designated SBI5.1.

Marking: Company name and system designation.

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Test Record No. 1

The manufacturer submitted representative production samples of MIT-09x-56z.

Unless otherwise indicated model MIT-09-56D was used for test purposes and is considered representative of the entire series.

Note: Customer originally included Z=R and Z=DR suffixes, however, these were later dropped due to marketing reasons.

The following tests were conducted:

Test	Testing Location/Comments
------	---------------------------

Test results are valid only for the tested equipment. These tests are considered representative of the products covered by this Test Report. The test methods and results of the above tests have been reviewed and found to be in accordance with the requirements in the Standard(s) referenced at the beginning of this Test Report.

The following tests were waived:

Test	Rationale for Waiving
------	-----------------------

The following supplements are provided as a part of this Test Record. NOTE: These supplements are only available to the Applicant via the CDA system.

<u>Type</u>	<u>Supplement Id</u>	<u>Description</u>
Attachment	2-01	CRD
Datasheet	2-02	Test Data

Test Record No. 2

The manufacturer submitted representative production samples of Power Over Ethernet Device, Model MIT-09x-56z, for evaluation to Network Environment 1.

The following tests were conducted:

Test	Testing Location/Comments
------	---------------------------

Test results are valid only for the tested equipment. These tests are considered representative of the products covered by this Test Report. The test methods and results of the above tests have been reviewed and found to be in accordance with the requirements in the Standard(s) referenced at the beginning of this Test Report.

The following supplements are provided as a part of this Test Record. NOTE: These supplements are only available to the Applicant via the CDA system.

<u>Type</u>	<u>Supplement Id</u>	<u>Description</u>
Attachment	2-03	Construction Review Datasheet
Datasheet	2-04	Datasheets

Test Record No. 3

- The manufacturer submitted representative production sample of Power Over Ethernet Device, Model MIT-09x-56z, MIT-09x-24y, employ the following:

- (1) Upgrade standard to UL 60950-1, 2nd Edition, 2014-10-14 (Information Technology Equipment - Safety - Part 1: General Requirements)
- (2) Alternate 24V output construction for new model MIT-09x-24y.
- (3) Alternate three insulation systems, model SBI4.2, model WAIXIN 130-WX, and model YMX-BCK-B for model MIT-09x-56z Transformer.

- Unless otherwise noted in the list of tests, all tests were conducted by UL under the CB Scheme as detailed under

(1) CB certificate NO. DK-51165-UL, date 2016-01-11, CB Report reference No. PSE104-1165, date 2016-01-06.

(2) CB certificate NO. DK-51165-A1-UL, date 2016-05-12, CB Report reference No. PSE104-1165-A, date 2016-05-10.

The following tests were conducted:

Test	Testing Location/Comments
Cable Distribution System, Voltage Surge (7.4.2)	
Cable Distribution System, Impulse (7.4.3)	

Test results are valid only for the tested equipment. These tests are considered representative of the products covered by this Test Report. The test methods and results of the above tests have been reviewed and found to be in accordance with the requirements in the Standard(s) referenced at the beginning of this Test Report.

The following tests were waived:

Test	Rationale for Waiving
Input: Single-Phase (1.6.2)	Refer to CBTR
Energy Hazard Measurements (2.1.1.5, 2.1.2, 1.2.8.10)	Refer to CBTR
Capacitance Discharge (2.1.1.7)	Refer to CBTR
SELV Reliability Test Including Hazardous Voltage Measurements (2.2.2, 2.2.3, 2.2.4, Part 22 6.1)	Refer to CBTR
Limited Current Circuit Measurement (2.4.1, 2.4.2)	Refer to CBTR
Limited Power Source Measurements (2.5)	Refer to CBTR
Humidity (2.9.1, 2.9.2, 5.2.2)	Refer to CBTR
Determination of Working Voltage; Working Voltage Measurement (2.10.2)	Refer to CBTR
Thin Sheet Material (2.10.5.9, 2.10.5.10, 2.10.5.6)	Refer to CBTR
Transformer and Wire /Insulation Electric Strength (2.10.5.13)	Refer to CBTR
Heating (4.5.1, 1.4.12, 1.4.13)	Refer to CBTR
Touch Current (Single-Phase; TN/TT System) (5.1, Annex D)	Refer to CBTR
Electric Strength (5.2.2)	Refer to CBTR
Component Failure (5.3.1, 5.3.4, 5.3.7)	Refer to CBTR
Transformer Abnormal Operation (5.3.3, 5.3.7b, Annex C.1)	Refer to CBTR
Power Supply Output Short-Circuit/Overload (5.3.7)	Refer to CBTR

The following supplements are provided as a part of this Test Record. NOTE: These supplements are only available to the Applicant via the CDA system.

Type	Supplement Id	Description
Datasheet	2-05	Datasheet