Low Voltage Directive Report

鼎安科技股份有限公司
SUPERIOR PRODUCT CONSULTING,INC
3F,NO.10,ALLEY 6,LANE 235,PAO CHIAO RD.,HSIEN TIEN,TAIPEI,TAIWAN R.O.C.
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TÜV Rheinland Taiwan Ltd.

TÜV

Certificate

of

Appointment

Superior Product Consulting, Inc.
3F., No. 10, Alley 6, Lane 235, Pao Chiao Rd., Hsin Tien,
Taipei Hsien 231, Taiwan, R.O.C.

has been authorized to carry out Safety tests by order and under supervision of TÜV Rheinland. It has successfully demonstrated capability to conduct measurement and to process test data according to:

European and International Safety Standards as listed in the Scope of Authorization on the attachment to this certificate

An assessment of the facility was conducted by TÜV Rheinland auditors according to the laboratory qualification requirements of TR with reference to

ISO 17 025:1999

Certificate No. : 10010807-2005 **Valid until : August 2, 2006**

TÜV Rheinland Taiwan Ltd.
Taipei, September 2, 2005

Dipl.-Ing. Andreas Klinker
Certification Body

Dipl.-Ing. Bodo Kretzschmar
Product Safety and Quality

TÜV

Attachment to

Certificate

of Appointment
SCOPE OF AUTHORIZATION

for

Superior Product Consulting, Inc.
3F., No. 10, Alley 6, Lane 235, Pao Chiao Rd., Hsin Tien,
Taipei Hsien 231, Taiwan, R.O.C.

European Standards

EN 60950 EN 60065	EN 60950-1

Basic and International Standards

IEC 60950 IEC 60065	IEC 60950-1

Certificate No. : 10010807-2005

Taipei, September 2, 2005

Dipl.-Ing. Bodo Kretzschmar
Product Safety and Quality

COVER PAGE FOR TEST REPORT

Product:	Operator Panel
Model/Type Reference:	AOP-8150HT-xx, AOP-8150WT-xxwhere x can be 0-9, A-Z or blank
Rating(s):	100-240V ac, 47-63Hz, 1.9A
Standards:	IEC 60950-1 / EN 60950-1, First Edition
Applicant Name	AAEON TECHNOLOGY INC
Applicant Address:	5TH FL 135 LANE 235 PAO CHIAO RD HSIN-TIEN, TAIPEI TAIWAN
Result:	Pass

This Report includes the following parts, in addition to this cover page:

1. Clause Verdicts
2. Critical Components
3. Test Results
4. Enclosures

This is to certify that representative samples of the products covered by this Test Report have been investigated by “Superior Product Consulting, Inc.” in accordance with the above referenced Standards. The products have been found to comply with the requirements.
This report shall not be reproduced, except in full, or with the written approval of “Superior Product Consulting, Inc.”.

Jordan Huang

Eddie Shue

TEST REPORT

IEC 60950-1 / EN 60950-1, First Edition Information technology equipment - Safety- Part 1: General Requirements	
Report Reference No ..... :	SPCLVD605072
Compiled by ..... :	Jordan Huang
Reviewed by ..... :	Eddie Shue
Date of issue ..... :	June 29, 2006
Testing laboratory name ..... :	Superior Product Consulting, Inc.
Testing location ..... :	3F, No. 10, Alley 6, Lane 235, Pao Chiao Rd., Hsien Tien, Taipei, Taiwan
Client name ..... :	AAEON TECHNOLOGY INC
Address ..... :	5TH FL 135 LANE 235 PAO CHIAO RD HSIN-TIEN, TAIPEI TAIWAN
Standards ..... :	EN 60950-1, First Edition IEC 60950-1, First Edition
Test procedure ..... :	IEC/EN 60950-1
Non-standard test method ..... :	N/A
Test item description ..... :	Operator Panel
Trademark ..... :	AAEON
Model and/or type reference ..... :	AOP-8150HT-xx, AOP-8150WT-xxwhere x can be 0-9, A-Z or blank
Rating(s) ..... :	100-240V ac, 47-63Hz, 1.9A

Particulars: test item vs. test requirements	
Equipment mobility	Build-in
Operating condition	continuous
Mains supply tolerance (%)	+10%, -10%
Tested for IT power systems	No
IT testing, phase-phase voltage (V)	N/A
Class of equipment	Class I
Mass of equipment (kg)	6.3
Protection against ingress of water	IP X0

Possible test case verdicts:	
- test case does not apply to the test object	N/A
- test object does meet the requirement	Pass
- test object does not meet the requirement	Fail (acceptable only if a corresponding, less stringent national requirement is "Pass")

General remarks:

- "(see Enclosure #)" refers to additional information appended to the Test Report
- "(see table)" refers to a table appended to the Test Report
- Throughout the Test Report a point is used as the decimal separator

GENERAL PRODUCT INFORMATION:	
A1.0	**Report Summary**
A1.1	N/A

B1.0	**Product Description**
B1.1	This product is a operator panel with build-in power, DVD-ROM and Hard Disk Driver. It is specified for use in a Tma of 40°C maximum. The accessible ports of the unit satisfy the requirement of limited power source.

C1.0	**Model Differences**
C1.1	Model AOP-8150HT-xx is similar to model AOP-8150WT-xx except for different motherboard, inverter and panel.

D1.0	**Additional Information**
D1.1	Report No.: SPCLVD605072 is amendment of original Report No.: SPCLVD604036. Mainly for following modifications. - Additional model AOP-8150WT-xx. - Additional motherboard, inverter and panel for model AOP-8150WT-xx. Except for above modifications, other safety evaluations must refer to original Report No.: SPCLVD604036.

CE1.0	**Technical Considerations**
CE1.2	The product was submitted and tested for use at the maximum ambient temperature (Tma) permitted by the manufacturer's specification of: 40°C
CE1.3	The product is intended for use on the following power systems: TN
CE1.4	The equipment disconnect device is considered to be Appliance Inlet.
CE1.5	The following accessible locations are part of a limited current circuit: DC/AC inverter, Atbel Technology Corp, Type QF133V1.15
CE1.6	The following circuits have been evaluated as a limited power source: USB ports and PS/2 ports

1	**GENERAL**		Pass
1.5	Components		Pass
1.5.1	General	(see appended table 1.5.1)	Pass
	Comply with IEC 60950 or relevant component standard	Components which are found to affect safety, comply with the requirements of this standard or within the safety aspects of the relevant IEC component standards. See appended table 1.5.1.	Pass
1.5.2	Evaluation and testing of components	Components, which are certified to IEC and/or national standards, are used correctly within their ratings or have been evaluated during this approval.	Pass

1.6	**Power interface**		Pass
1.6.1	AC power distribution systems	TN Power system	Pass
1.6.2	Input current	(see appended table 1.6.2)	Pass
1.6.3	Voltage limit of hand-held equipment	The unit is not a hand-held equipment.	N/A
1.6.4	Neutral conductor	Neutral insulation is provided in the approval power supply.	N/A

1.7	**Marking and instructions**		Pass
1.7.1	Power rating	See page 2.	Pass
	Rated voltage(s) or voltage range(s) (V) ..... :	See page 2.	Pass
	Symbol for nature of supply, for d.c. only ..... :		N/A
	Rated frequency or rated frequency range (Hz) :	See page 2.	Pass
	Rated current (mA or A) ..... :	See page 2.	Pass
	Manufacturer's name or trademark or identification mark..... :	See page 2.	Pass
	Type/model or type reference ..... :	See page 2.	Pass
	Symbol for Class II equipment only..... :	The equipment is regarded as Class I.	N/A
	Other symbols		N/A
	Certification marks..... :	UL, c-UL	Pass

2.4	**Limited current circuits**		Pass
2.4.1	General requirements		Pass
2.4.2	Limit values	0.5mA	Pass
	Frequency (Hz) ..... :	--	-
	Measured current (mA) ..... :	P5 pin 1 to P5 pin 2: 0.4 mA (Max) according to annex D test method used.	-
	Measured voltage (V) ..... :	--	-
	Measured capacitance (mF) ..... :	--	-
2.4.3	Connection of limited current circuits to other circuits	Limited Current Circuit connected to SELV circuits.	Pass

2.5	**Limited power sources**		Pass
	Inherently limited output		N/A
	Impedance limited output		N/A
	Overcurrent protective device limited output	UL recognized current protectors, provided on USB, PS2 and VGA ports circuits.	Pass
	Regulating network limited output under normal operating and single fault condition		N/A
	Regulating network limited output under normal operating conditions and overcurrent protective device limited output under single fault condition		N/A
	Output voltage (V), output current (A), apparent power (VA) :	PS2 Port: Uoc=4.98V, Isc=1.4 A, maximum 5.61VA ; Limited VA = 24.9. USB Ports: Uoc=4.97V, Isc=2.7 A, maximum 9.0VA ; Limited VA = 24.85 VGA Port: Uoc= 5.0V, Isc=2.6 A, maximum 8.5VA ; Limited VA = 25	-
	Current rating of overcurrent protective device (A) :	Current protectors (F1, F2, F3) provided on USB ports. Rated 2.6-6.0V, 1.1A.	-

4.3	Design and construction		Pass
4.3.8	Batteries	Lithium battery used.	Pass

4.5	**Thermal requirements**		Pass
4.5.1	Maximum temperatures	The equipment and its component parts did not attain excessive temperatures during normal operation. Refer to table 4.5.1.	Pass
	L Normal load condition per Annex L ..... :		N/A
4.5.2	Resistance to abnormal heat		N/A

5.2	**Electric strength**		Pass
5.2.1	General	See Table 5.2.	Pass
5.2.2	Test procedure	See Table 5.2.	Pass

5.3	**Abnormal operating and fault conditions**		Pass
5.3.1	Protection against overload and abnormal operation	See appended table 5.3.	Pass
5.3.4	Functional insulation..... :	Functional insulation complies with the requirements (c).	Pass
5.3.6	Simulation of faults	Transformer temperatures measured for compliance with Annex C during test.	Pass

1.5.1	**TABLE: list of critical components**				Pass
Object/part No.	Manufacturer/ trademark	type/model	technical data	Marks of Conformity	Standard
01. Liquid Crystal Display (LCD) (Model AOP-8150WT-xx)	Chunghwa Picture Tubes, Ltd.	CLAA150XP series	15 inch	--	--
02. USB Connectors (USB1/2/3/4)	Various	Various	(SELV, LPS) Four provided. Protected by (QVGS2), F1, F2 and F3 as item 03.	--	--
03. USB current protectors (F1, F2, F3)	Richtek Technology Corp	RT9701PBL	Rated 2.6-6.0V, 1.1A.	VDE, UL	
04. PS2 Connectors (Optional)	Various	Various	(SELV, LPS) Four provided. Protected by (QVGS2), F4 as item 06.	--	--
05. Connectors (Optional)	Various	Various	(SELV) Provided five Serial connectors (RS232), one Parallel connector, one VGA port, one Microphone connector, one audio Line in connector, one audio Line out connector and two RJ45 connectors.	--	--
06. DC/AC Inverter Board	Various	QF83V3.21(S)	Minimum 105 degree C, minimum V-1, consists of following components.	--	--
06-1. Inverter Transformer (T1)	Hwa Youn Co., Ltd	EFD15-TF506	Minimum 105 degree C	--	--
06-1-1 Core	Various	Various	Ferrite, open type construction, overall approximate 17.8 by 16.5 by 7.2 mm.	--	--
06-1-2 Bobbin	Various	Various	Rated minimum V-0, minimum 0.4 mm thick.	UL	UL 94
06-1-3 Windings	Various	Various	Rated minimum 130 degree C, Polyurethane covered copper wire.	--	
07-2 Fuse (F1)	Various	Various	Rated 32V dc, 1.5A.	VDE, UL	IEC 60127
08. CPU Fan	Young Lin Tech Co Ltd	DFC601005L	Rated 5V, 0.5A	--	--

1.6.2	**TABLE: electrical data (in normal conditions)**					Pass
fuse #	I rated (A)	U (V)	P (W)	I (mA)	I fuse (mA)	condition/status
--	--	90V/47Hz	55	1012	--	Maximum Normal Load
--	--	90V/63Hz	54	1018	--	Ditto
--	1.9	100V/47Hz	55	920	--	Ditto
--	1.9	100V/63Hz	55	927	--	Ditto
--	1.9	240V/47Hz	55	468	--	Ditto
--	1.9	240V/63Hz	53	457	--	Ditto
--	--	264V/47Hz	54	433	--	Ditto
--	--	264V/63Hz	55	433	--	Ditto
supplementary information: Maximum normal load: Each USB port: +5V/0.5A, brightest display mode, PS2 ports function by connecting keyboard and mouse H.D.D. and CD-ROM were seeking Total dummy load and above operation condition. Dummy load to 80% full load of Power Supply.						
--						

4.5	**TABLE: temperature rise measurements**					Pass
	test voltage (V)	See below	--	--	--	—
	t1 (°C)	--	--	--	--	—
	t2 (°C)	--	--	--	--	—
maximum temperature T of part/at:		T (°C)				allowed Tmax (°C)
Test on model: AOP-8150WT		I/P: 90 Vdc	264V dc	--	--	--
--		Measured under ambient/Computed per Tma	Measured under ambient/Computed per Tma	--	--	--
1. T1 coil (power supply)		42/56	42/58	--	--	110
2. T1 core (power supply)		50/64	46/62	--	--	110
3. IC2 body near T1 (power supply)		46/60	47/63	--	--	100
4. C2 coil (power supply)		43/57	43/59	--	--	105
5. PCB near USB (mother board)		40/54	40/56	--	--	105

6. PCB near U25 (mother board)	43/57	43/59	--	--	105
7. PCB near U34 (mother board)	39/53	39/55	--	--	105
8. PCB near U49 (mother board)	40/54	40/56	--	--	105
9. T1 coil (Inverter board)	51/65	51/66	--	--	105
10. L1 coil (Inverter board)	55/69	54/70	--	--	105
11. H.D.D. body	38/52	38/54	--	--	--
12. CD ROM	44/58	44/60	--	--	--
13. Enclosure inside near Power Supply	39/53	38/54	--	--	85
14. Enclosure outside near Power Supply	31/45	31/47	--	--	95
15. Panel body	34/48	33/49	--	--	80
16. Room Ambient air/Tma	26/40	24/40	--	--	--
Test duration (Time)	3 hrs 26 mins	3 hrs 03 mins	--	--	--

temperature T of winding:	R_1 (Ω)	R_2 (Ω)	T (°C)	allowed Tmax (°C)	insulation class
--	--	--	--	--	--

supplementary information:

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5.2	**TABLE: electric strength tests, impulse tests and voltage surge tests**	Pass

test voltage applied between:	test voltage (V) a.c./d.c.	breakdown Yes / No
Primary to secondary	DC 4242 V	No
Primary to Earth	DC 2270 V	No

supplementary information:

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5.3	**TABLE: fault condition tests**					Pass
	ambient temperature (°C)..... :				25	—
	model/type of power supply..... :				See page 2	—
	manufacturer of power supply ..... :				See page 2	—
	rated markings of power supply..... :				See page 2	—
component No.	fault	test voltage (V)	test time	fuse No.	fuse current (A)	result
Unit	Blocked opening	240	4.5 hrs	F1	0.6	Unit operation normally. Temp. was stable. Maximum temperature T1 coil = 60 °C, PCB near CPU = 65 °C, no hazards.

supplementary information:

1. In fault column, s-c =short-circuited, o-l=over-loaded
2. When fuse open during test, repeat 10 times and same result came out for each source of fuse used in table 1.5.1

Enclosure

Measuring and Test Instruments

(Total 4 Pages including this Cover Page)

Description
Equipment lists

鼎安科技股份有限公司
SUPERIOR PRODUCT CONSULTING, INC.

文件編號:	QE19-L24		
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Measuring and Test Instruments
Applied For Safety Inspection

company/Test Institute: Superior Product Consulting, Inc.
Address of Test Site: 3Fl.,No. 10, Alley 6,Lane 235, Pao Chiao Road, Hsin Tien City, Taipei, Taiwan, R.O.C.
Person responsible for
Maintenance & Calibration : Tim Lu / Supervisor
Division/Department : Test Lab.

Date and Signature : Tim Lu **Reviewer:** Peter Lai

Item	Kind of Instrument Precision Class SPC Property No.	Manufacturer	Model Serial No.	Range Used &Function	Calibrated until
1	AC Power Meter 029	YOKOGAWA	2433 68L00039	20A 600V	21, JUN. 2006 22, JUN. 2005
2	AC Power Meter 009	YOKOGAWA	2433 61L00248	20A 600V	21, JUN. 2006 22, JUN. 2005
5	PUSH/PULL SCALE 004	IMADA	FB-30 207330	30KG	22, JUN. 2006 23, JUN. 2005
8	DC ELECTRONIC LOAD 069	PRODIGIT	3301A 80201A011	60V/60A	21, FEB. 2007 22, FEB. 2006
10	TEMP. RECORDER 014	YOKOGAWA	UR180 48YP0718	-200℃ TO 400℃	21, FEB. 2007 22, FEB. 2006
11	TEMP. RECORDER 012	YOKOGAWA	UR180 48YP0719	-200℃ TO 400℃	21, FEB. 2007 22, FEB. 2006
12	TEMP. RECORDER 033	YOKOGAWA	UR180 42YS0028	-200℃ TO 400℃	12, JUN. 2006 13, JUN. 2005
15	DUAL DISPLAY MULTIMETER 018	FLUKE	45 5120082	600Vac, 600Vdc 10A	15, FEB. 2007 16, FEB. 2006
16	HIGH VOLTAGE PROBE 104	FLUKE	80K-40 72940016	40KVpk	11, SEP. 2006 12, SEP. 2005
17	THERMO-HYGROMETER 067	ISUZU	3-3122 80680571	-15℃- +40℃ 0-100% RH	11, DEC. 2006 12, DEC. 2005
18	DC ELECTRONIC LOAD 028	PRODIGIT	3301 205010035	60V/60A 60V/50A, 60V/5A	27, APR. 2007 28, APR. 2006
19	DC ELECTRONIC LOAD 035	PRODIGIT	3301 210010074	60V/60A 250V/10A	27, APR. 2007 28, APR. 2006
20	AC/DC CURRENT PROBE 047	TEKTRONIX	A622 06-14-94	70Arms 100Apk	15, FEB. 2007 16, FEB. 2006
21	DC ELECTRONIC LOAD 057	PRODIGIT	3321 607020098	60V/50A 60V/5A	31, JUL. 2006 01, AUG. 2005
22	DC ELECTRONIC LOAD 089	PRODIGIT	3321 607020097	60V/50A	24, JUL. 2006 25, JUL. 2005
24	STOP WATCH 068	CASIO	HS-3 209Q05	0 S-10HOURS	11, SEP. 2006 12, SEP. 2005
25	DIGITIZING MUTIMETER 060	GOOD WILL	GDM-8055 6040254	750Vac 2A 20MΩ	21, JUN. 2006 22, JUN. 2005
28	DC ELECTRONIC LOAD 066	PRODIGIT	3301A 70601A022	60V/60A, 60V/50A 60V/5A, 250V/10A	22, AUG. 2006 23, AUG. 2005
29	TEST FINGER 039	UL	SM471 S002	UL60950-1 FIG. 19	21, MAR. 2008 22, MAR. 2004
30	BALL PRESSURE 041	UL	S1598 S004	UL60950-1 FIG. 20	21, MAR. 2008 22, MAR. 2004
31	IMPACT BALL —	UL	— S003	50mm 500g	21, MAR. 2008 22, MAR. 2004
32	TEST PIN 040	UL	S2962 S001	UL60950-1 FIG. 20	21, MAR. 2008 22, MAR. 2004
33	DC ELECTRONIC LOAD 077	PRODIGIT	3301A 80701A043	60V/60A 250V/10A	22, AUG. 2006 23, AUG. 2005
34	DC ELECTRONIC LOAD 079	PRODIGIT	3301A 80701A042	60V/60A 60V/50A, 60V/5A	22, AUG. 2006 23, AUG. 2005
35	DC ELECTRONIC LOAD 080	PRODIGIT	3302 808020375	60V/30A	31, JUL. 2006 01, AUG. 2005
36	DC ELECTRONIC LOAD 081	PRODIGIT	3302 808020378	60V/30A	31, JUL. 2006 01, AUG. 2005
38	TEMP. RECORDER 082	YOKOGAWA	UR1800 4370GE038	-200℃ TO 400	17, NOV. 2006 18, NOV. 2005

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SUPERIOR PRODUCT CONSULTING, INC.

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Item	Kind of Instrument Precision Class SPC Property No.	Manufacturer	Model Serial No.	Range Used &Function	Calibrated until
39	TEMP. RECORDER 083	YOKOGAWA	UR1800	-200℃ TO	17, NOV. 2006
			4370GE037	400	18, NOV. 2005
40	TEMP. RECORDER 090	YOKOGAWA	UR1800	-200℃ TO	17, NOV. 2006
			4370GE046	400	18, NOV. 2005
41	DC ELECTRONIC LOAD 091	PRODIGIT	3302	60V/30A	04, OCT. 2006
			811020578		05, OCT. 2005
42	DC ELECTRONIC LOAD 088	PRODIGIT	3302	60V/30A	04, OCT. 2006
			811020580		05, OCT. 2005
43	DC ELECTRONIC LOAD 098	PRODIGIT	3301A	60V/60A	01, NOV. 2006
			80901A045	60V/50A, 60V/5A	02, NOV. 2005
44	TEST FINGER 070	UL	FIGURE 19	UL60950-1	21, MAR. 2008
			2346	FIG. 19	22, MAR. 2004
45	DC ELECTRONIC LOAD 092	PRODIGIT	3301A	60V/60A	04, OCT. 2006
			80901A046		05, OCT. 2005
46	DIGITIZING OSCILLOSCOPE 093	TEKTRONIX	TDS360	200MHz	22, AUG. 2006
			B019983	1GS/s	23, AUG. 2005
47	DUAL DISPLAY MULTIMETER 094	FLUKE	45	750Vac	15, FEB. 2007
			7079032	10A	16, FEB. 2006
48	HI-POT TESTER 095	ZENTECH	ZT9072A	10mA	22, JUN. 2006
			809549	5KV	23, JUN. 2005
49	GROUNDING TESTER 096	ZENTECH	ZT9570	12V	17, NOV. 2006
			807786	40A	18, NOV. 2005
50	LEAKAGE CURRENT METER 097	SIMPSON	228	0-10mA	04, OCT. 2006
			20988		05, OCT. 2005
52	CALIPER 084	MITUTOYO	CD-6"CS	150mm	01, NOV. 2006
			0305386		02, NOV. 2005
53	TEMP. RECORDER 072	YOKOGAWA	UR1800	-200℃ TO	01, NOV. 2006
			4370GC179	400	02, NOV. 2005
54	AC POWER METER 101	YOKOGAWA	2433	20A	15, FEB. 2007
			68LD0040	600V	16, FEB. 2006
56	TEMP. RECORDER 104	YOKOGAWA	UR1800	-200℃ TO	15, FEB. 2007
			12W732059	400	16, FEB. 2006
58	DIGITIZING POWER METER 107	CHYNG HONG	CP-350	500V/50A	21, FEB. 2007
			355952		22, FEB. 2006
59	DIGITIZING POWER METER 105	CHYNG HONG	CP-350	500V/50A	21, FEB. 2007
			355953		22, FEB. 2006
60	TEMP./HUMIDITY CHAMBER 005	KAO TIEH	KT-7005-A	25°C to 40°C	20, OCT. 2006
			72867	93% to 95%R.H.	21, OCT. 2005
61	DC ELECTRONIC LOAD 111	PRODIGIT	3301A	60V/60A, 60V/50A	19, DEC. 2006
			30901A025	60V/5A, 250V/10A	20, DEC. 2005
62	TEMP. RECORDER 112	YOKOGAWA	DA100-23-1D	-200℃ TO	20, OCT. 2006
			27D125487	400	21, OCT. 2005
63	TNV TEST PRODE 113	D.M.S	TTP	UL60950-1	03, JUN. 2008
			63	FIG.2B	04, JUN. 2004
64	ROD PRESSURE 114	D.M.S	---	UL1310 Weight 89 N Diameter 12.7 mm	03, JUN. 2008
			64	Gradient 0.8 mm	04, JUN. 2004
65	TOUCH CURREN TEST BOARD ----	SPC	---	UL60065	12, JUN. 2006
			65	ANNEX D	13, DEC. 2005
66	L.C.C. TEST BOX ----	QTECH	950-2K-95009	UL60950-1	12, JUN. 2006
			66	CLAUSE2.4	13, DEC. 2005
67	L.C.C. TEST BOARD ----	SPC	---	UL60950-1	12, JUN. 2006
			67	CLAUSE2.4	13, DEN. 2005
68	ELECTRONIC SCALE 116	JADEVER	LPWN-1530	3KG	15, FEB. 2007
			408230T1327		16, FEB. 2006
69	DC/AC CURRENT CLAMP METER 115	PROVA	11	30A	15, FEB. 2007
			04400427	400V	16, FEB. 2006
70	LEAKAGE CURRENT METER 117	EXTECH	7611	0-6mA	15, FEB. 2007
			1330410		16, FEB. 2006
71	DC ELECTRONIC LOAD 119-1	PRODIGIT	3301A	60V/60A	05, MAR. 2007
			40601A040	60V/50A, 60V/5A	06, MAR. 2006
72	DC ELECTRONIC LOAD 119-2	PRODIGIT	3301A	60V/50A	05, MAR. 2007
			40601A041	60V/5A, 250V/10A	06, MAR. 2006

鼎安科技股份有限公司
SUPERIOR PRODUCT CONSULTING, INC.

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Item	Kind of Instrument Precision Class SPC Property No.	Manufacturer	Model Serial No.	Range Used &Function	Calibrated until
73	OVEN	CHANNEL	DCM60	40℃ to 200℃	19, DEC. 2006
	014		73		20, DEC. 2005
74	OVEN	CHANNEL	RI60	0 ℃ to 80℃	19, DEC. 2006
	118		74		20, DEC. 2005
75	OVEN	CHANNEL	RI60	0 ℃ to 80℃	19, DEC. 2006
	120		75		20, DEC. 2005
76	TAPE	TK	8M	0 to 8M	28, APR. 2009
	121		5427P403		29, APR. 2005
77	DC ELECTRONIC LOAD	PRODIGIT	3302C	60V/60A	08, DEC. 2006
	132		51002C711		09, DEC. 2005
78	DC ELECTRONIC LOAD	PRODIGIT	3302C	60V/60A	08, DEC. 2006
	133		51002C713		09, DEC. 2005
79	DC ELECTRONIC LOAD	PRODIGIT	3302C	60V/60A	08, DEC. 2006
	134		51002C710		09, DEC. 2005
80	DC ELECTRONIC LOAD	PRODIGIT	3302C	60V/60A	08, DEC. 2006
	135		51002C712		09, DEC. 2005
81	DC ELECTRONIC LOAD	PRODIGIT	3301A	60V/60A	08, DEC. 2006
	141		51101A012		09, DEC. 2005
82	DC ELECTRONIC LOAD	PRODIGIT	3301A	60V/60A	08, DEC. 2006
	136		51001A007		09, DEC. 2005
83	DC ELECTRONIC LOAD	PRODIGIT	3301A	60V/60A	08, DEC. 2006
	137		51001A010		09, DEC. 2005
84	DC ELECTRONIC LOAD	PRODIGIT	3301A	60V/60A	08, DEC. 2006
	138		51001A008		09, DEC. 2005
85	DC ELECTRONIC LOAD	PRODIGIT	3301A	60V/60A	08, DEC. 2006
	139		51001A006		09, DEC. 2005
86	DC ELECTRONIC LOAD	PRODIGIT	3301A	60V/60A	08, DEC. 2006
	140		51001A009		09, DEC. 2005
87	OVEN	CHANNEL	RI60	0 ℃ to 80℃	19, DEC. 2006
	143		87		20, DEC. 2005
88	ELECTRONIC SCALE	SHINKO	AJ-1200E	1.2KG	19, DEC. 2006
	142		053550183		20, DEC. 2005
89	Articalated Finger Probe	ED&D	ULP-01	UL60950-1 FIG. 2C	17, OCT. 2010
	165				18, OCT. 2006
90	Unjoint Test Finger	GE	UHP-1	UL60950-1	26, DEC. 2009
	164			FIG. 2A	27, DEC. 2005
91	Test Hook	GE	TH-1	UL60065	26, DEC. 2009
	166			FIG. 4A	27, DEC. 2005
92	Torque Driver	CTT	65-DPI	UL 60065	23, MAR. 2007
			0602	seventh edition	24, MAR. 2006
93 & DC 22	Hot Wire Ignition Test DC Source 177	Arsia Qtech & GW instek	HWI-1 & PSH-3620	IEC 60695-2-20 & DC 36 V / 20 A	Calibration of element wire & Non-calibration
94	Needle-flame Testing Instrument	SUNHO	SH5401A	IEC 60695-2-2	30, MAR. 2007
			SH1010306		31, MAR. 2006
	Butane	FEYOND	CGA 350		17, FEB. 2007
					17, FEB. 2005
95	Glow Wire Flammability Tester	SUNHO	SH5101A	IEC 60695-2-11	30, MAR. 2007
			SH0990106		31, MAR. 2006
96	Horizontal-Vertical Flame Chamber	SUNHO	SH5301	IEC 60695-11-10,-20	30, MAR. 2007
			SH8320306		31, MAR. 2006
	Methane	FEYOND	CGA 350		17, FEB. 2007
					17, FEB. 2005
97	Angle Hook	ED&D	AM01	0~90°	23, MAR. 2007
			0603H23-J1		24, MAR. 2006
101	Programmable Temp./Humidity Chamber	TERCHY	MHU-150AB	-40°C to 150°C	05, APR. 2007
			950304	10% to 98%R.H.	06, APR. 2006

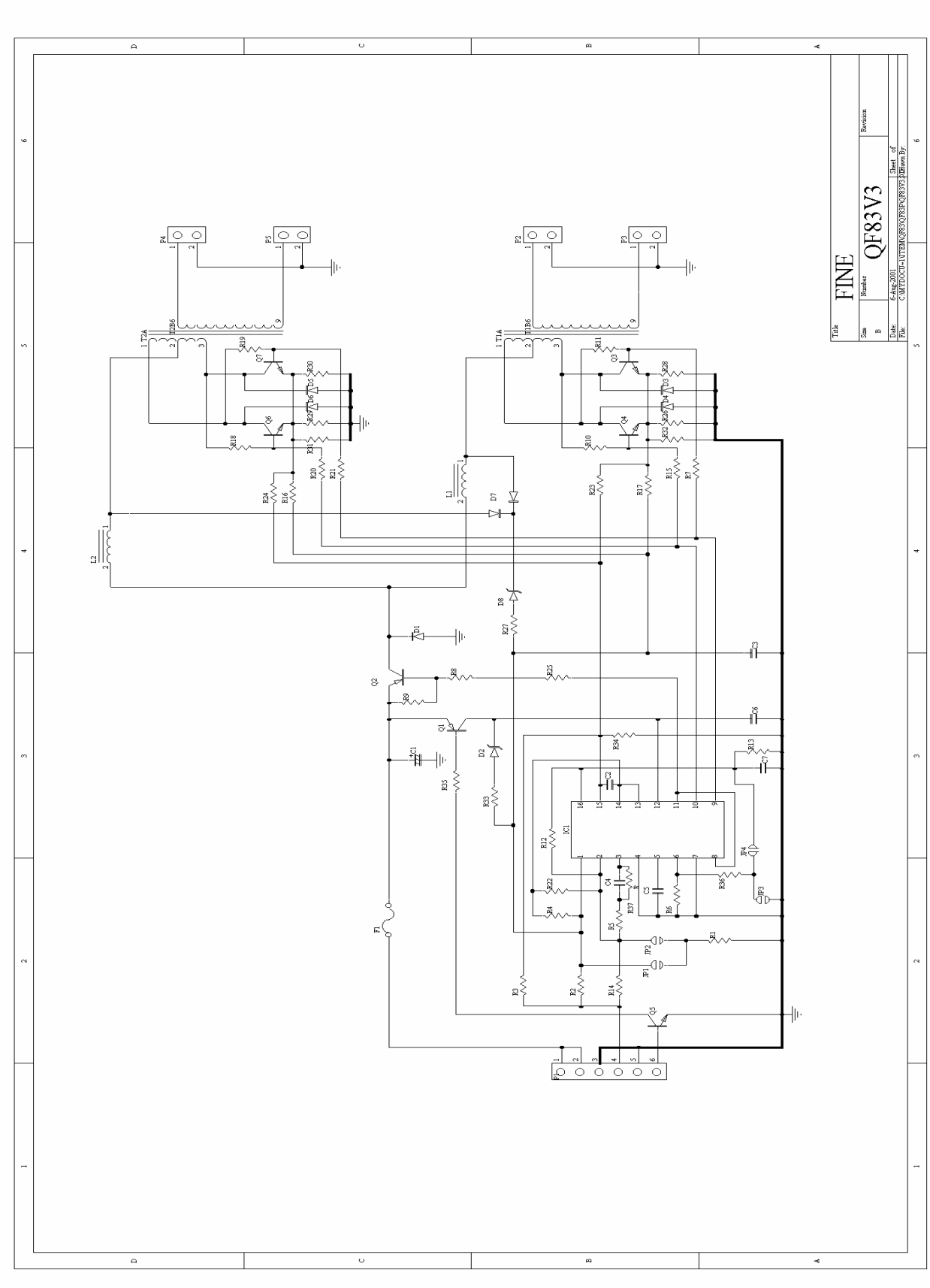
Note: 儀器送校驗前請先確認「**QE01-L02** 供應商評估紀錄表」是否有此供應商評估紀錄，並確認符合需求，若無則進行供應商評估動作.

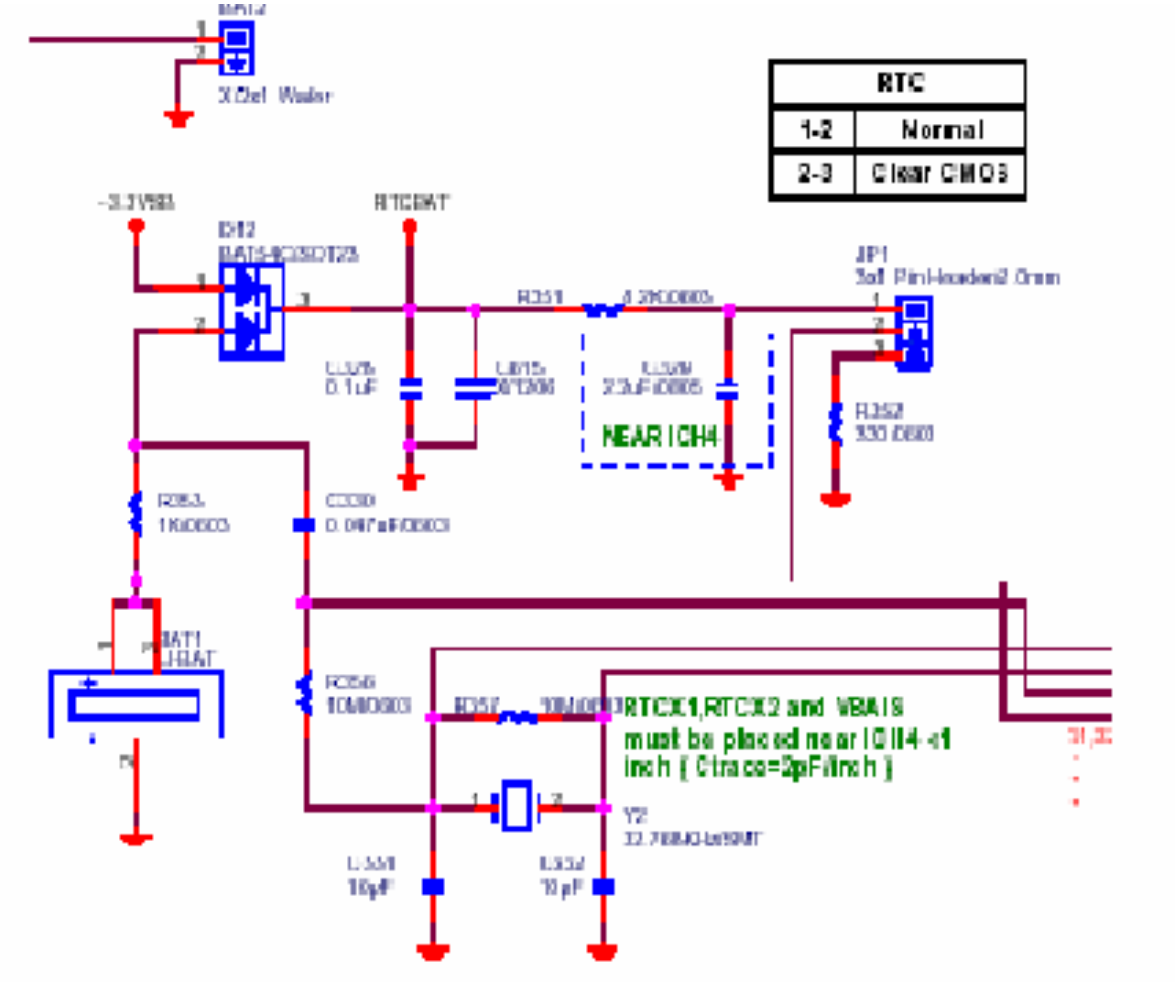
Enclosure

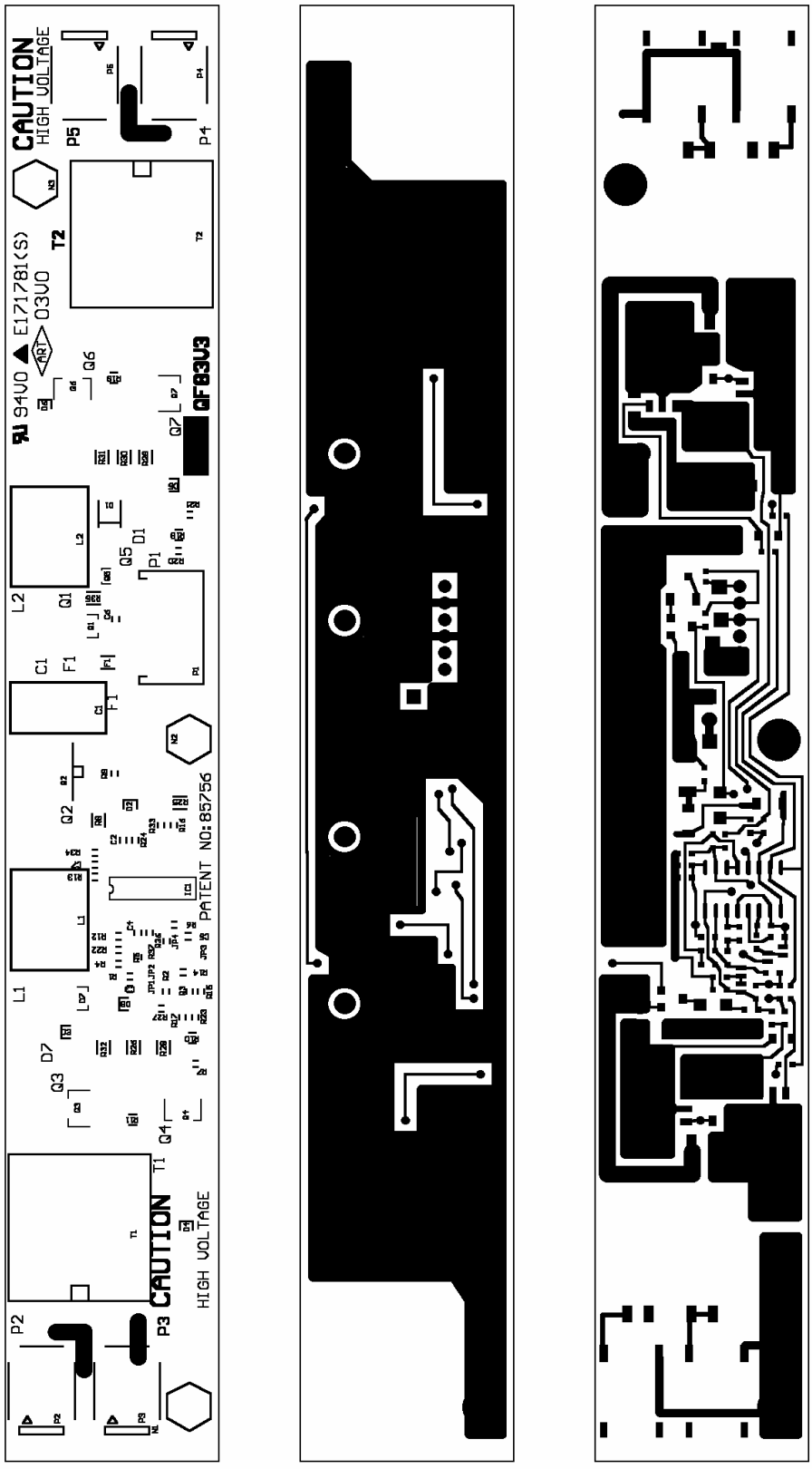
Schematic & PCB Layout

(Total 4 Pages including this Cover Page)

Description
1. Schematic for Inverter
2. Schematic for RTC battery
3. PCB Trace layout drawing & PCB component layout drawing for Inverter


FINE
QF83V3


RTC
1-2 Normal
2-3 Clear CMOS
NEAR ICH4
RTCX1,RTCX2 and VBAT must be placed near ICH4 <1 inch (Ctrace=2pF/inch)


CAUTION
HIGH VOLTAGE
94V0 E171781(S)
03V0
QF03V3
PATENT NO:85756
CAUTION
HIGH VOLTAGE

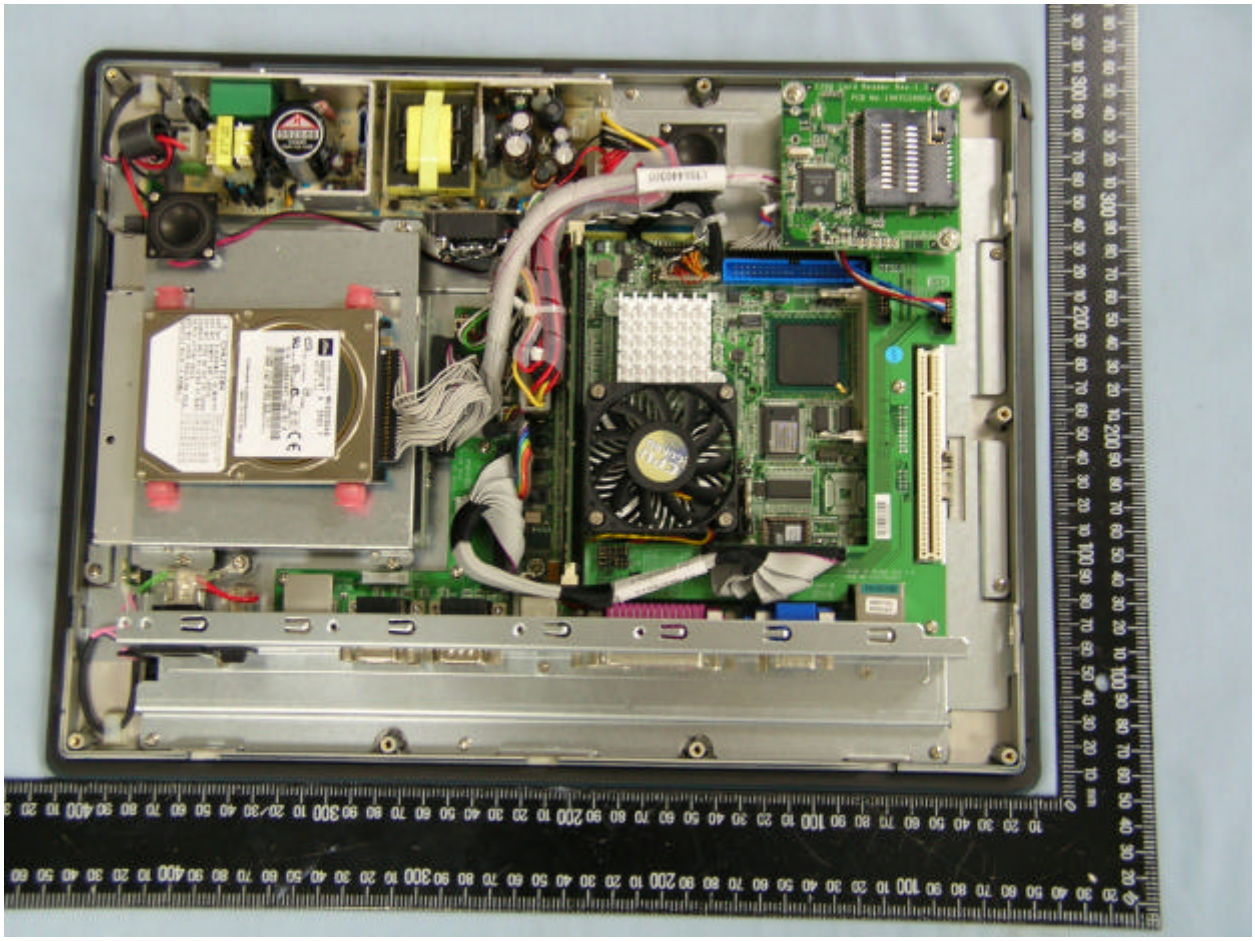
Enclosure

Photographs

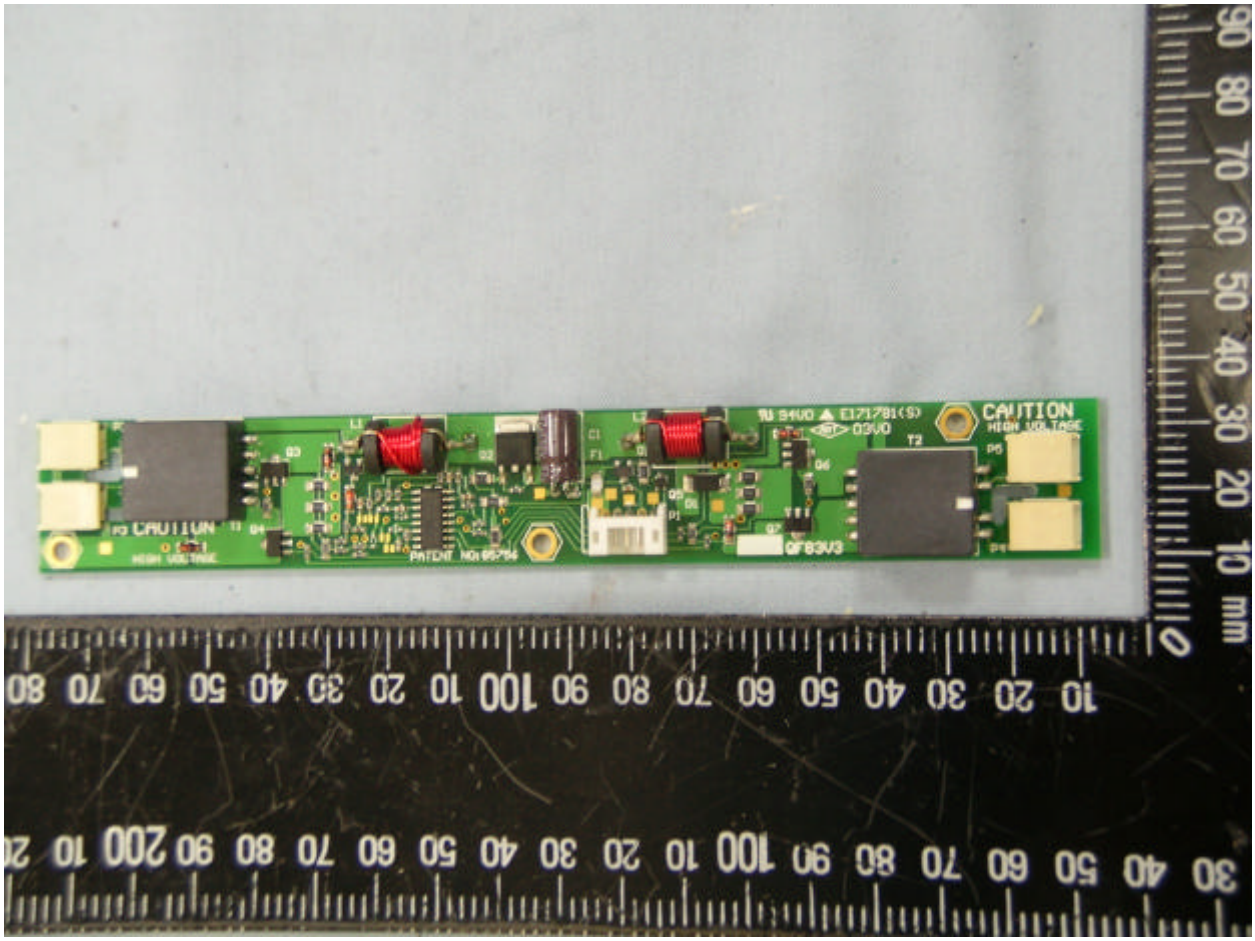
(Total 4 Pages including this Cover Page)

Description
Internal view
Inverter for Internal view (1)
Inverter for Internal view (2)

Internal view



Inverter for Internal view (1)



Inverter for Internal view (2)