




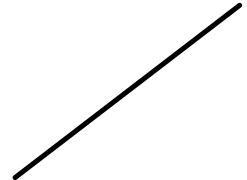
LI SHIN INTERNATIONAL ENTERPRISE CORP.

APPROVAL SHEET

CUSTOMER : ILLO
MODEL NO : 0316D05275
CUSTOMER NO : _____
PART NO/SPEC : SLS0316D05118
ISSUE DATA : 29-AUG-2005

RESPONSIBILITY UNIT :

DC EXT.1860 R/D EXT.1818 SAFETY EXT.1814 QC EXT.1870
 Mechanism Dept. Tel: (02)8227-3301-8 EXT.151 Prepare By Lisa Feng

Approved By	Design Engineer	Safety unit
	<p>王建文</p> <p>2005/08/29</p>	

Customer Approved By : _____

LI SHIN INTERNATIONAL ENTERPRISE CORP

7, Lane 3, San Ho Rd, San-Shin Village Ta-Yuan Hsiang, Taoyuan Hsien,
Taiwan, R.O.C. TEL : (03)3831513 FAX : (03)3835738

FORDGOOD ELECTRONIC LIMITED

NO.1 Kowloon Road, Song Ling Town, Wu Jiang City, Jiang Su, P.R China
EL : (512)63461928 FAX : (512)63460989 Cable : "FORDGOOD"

規格書
Electrical Specification

Model No : 0316D05275

Description :

5Vs/1A,24V/9A,12V/2.5A,5V/4A,33V/0.1A 267W

PSU Open Frame Power Supply .

Revision : 0.1

Issued Date : AUG.29.2005



力信興業股份有限公司
LI SHIN INTERNATIONAL ENTERPRISE CORP.

總公司：桃園縣大園鄉三石村三和路 3 巷 7 號（力信工業大樓）
7 Lane3,San Ho Rd, San-Shin Village, Ta-Yuan Hsing, Taoyuan Hsien, Taiwan, R.O.C.

Tel : (03)3831513(Rep.)

Fax : (03)3835738

Approve By	Check By	Prepared By
王建文 2005/08/29		陳偉 2005/08/29



Change List			
ECN No	REV	Revision Description	Date
	0.1	Initial	2005/08/29

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1. Description

This product is a AC to DC power transfer device, it has build in active power factor correction circuit and capable to deliver 275W five dc output with constant voltage source.

2. Electrical

2.1 Input Voltage

- a. 100 - 240Vac Nominal.
- b. 90 - 264Vac Universal.

2.2 Input Frequency

47- 63Hz.

2.3 Input Current

- a. **4A max at 90Vac.**
- b. **1.65A max at 265 Vac.**

2.4 Inrush Current

No primary components will be failed during the cold/hot start up.

2.5 Hold-Up time

8 msec minimum at dc output full loading and 100Vac 50/60Hz input.

2.6 Harmonic standard & PF .

PSU shall comply with IEC 61000-3-2 Class D Harmonic standard & PF shall ≥ 0.9 at 240Vac, PF shall ≥ 0.95 at 100Vac for both 50/60Hz and dc output with full loaded.

2.7 Efficiency

83% minimum at dc output full loading and 115/230 Vac input voltage range.

2.8 Safety Test

- a. Leakage current less then 3.5mA at 254Vac, 50/60Hz.
- b. Hi-pot test: 1800 Vac, 10mA, 2 Sec between Primary to Secondary circuit and Chassis.
- c. Insulation : 500Vdc, 2Sec between Primary to Secondary circuit, IR shall $\geq 100M \Omega$.
- d. Grounding : AC 30A , 2Sec between input safety ground and SELV output GND, $GR \leq 0.1 \Omega$



2.9 Output Voltage / Current (DC) and over voltage protection range.

Vout	24V	5V	12V	33V	5Vs
Range	22.8-25.2V	5.0-5.5V	11-13V	36-30V	4.75-5.25V
Iout	9.0A	4A	2.5A	0.1A	1A
Ripple/Noise	350mVp-p	100mVp-p	150mV p-p	350mVp-p	50mVp-p
OVPmax	34V	8V	16V	40V	8V

2.10 Ripple and Noise.

Tested by dc loading side parallel with a 47uF/Electrolytic and 0.1uF/Ceramic capacitor and Measured Band-Width with DC-20MHz.

2.11 Over-Shoot and under-shoot.

Less than 10% of nominal Voltage value.

2.12 Protection.

- a. SCP : Short circuited protection for 5Vs,5V,12V,33V only, with auto recovery function or latch off mode.
- b. SCP/ OCP : For 24V short circuited and < =13A OCP with latch mode protection.

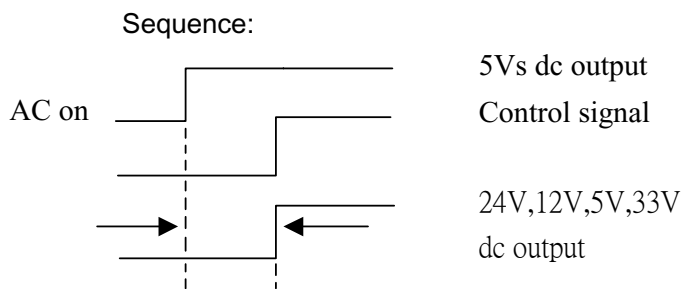
2.13 Control signal. (3V < trigger voltage > 5V)

High : Power On.

Low : Power off and stand by

2.14 Start Up (24V)

The output voltage shall rise from 0 volt and settle within regulation in less then 5sec, from apply of AC and control signal " High " with dc output full load condition.



5sec max

2.15 Rise time.

The output voltage shall rise from 0 volt and settle within regulation in less then 100msec, from apply of control signal " High " and output full load condition.

..



3. Environment

3.1 Temperature

- a. Operation : 0 to 40 °C
- b. Storage : -25 to 70 °C

3.2 Humidity

- a. Operation : 5-90% for nominal input 100-240Vac condition.
- b. Storage : 5-95%.

3.3 Altitude

From sea level to 2,000M(operation) and 40,000Ft (Non operation).

4. EMC

4.1 Safety.

Safety referring Standards		File Records
UL, C-UL	UL60065AV:7TH	MEET
TUV	EN6005:2001	MEET
Nordic	EN 6005:2001	MEET
Japan	J60065(H14)	MEET

4.2 EMS.

Test Item	Test Specification.	IEC standards
ESD	Contact 8KV	61000-4-2
ESD	Air 15KV	61000-4-2
RS	Fr: 26MHz-1.0GHz, Field Strength : 3V/M	61000-4-3
EFT	2KV on AC power line.	61000-4-4
SURGE	1KV on differential and 2KV on common mode.	61000-4-5
CS	3V/M	61000-4-6
RS	Fr: 26MHz-1.0GHz, Field Strength : 3V/M	61000-4-3
DIPS	0% 250Cy, 40% 5Cy, 70% 0.5Cycle	61000-4-11



4.3 EMI for both Conduction & Radiation.

Referring Standards	Spec / Certified
CISPR EN55022	Pub 22, class B.
C-TICK	Meet
FCC	Part 15, class B.
VCCI	Level II
BSMI	Meet

5. Reliability

5.1 M.T.B.F.

50,000 Power On Hours at 25°C at 115 / 230Vac.

5.2 Temperature Rise.

Less than 80°C at nominal 100-240Vac input / DC output full loading and environment temperature 25+/- 1°C of internal components.

5.3 Burn-in

100% Burn-In with 80-100% loading & 30-40°C Environment temperature.

5.4 Vibration Test

a. Non operation vibration with shipping container shall be 2G'S peak, 7-250Hz, 4G'S peak 50-500Hz, after 30 minute test no abnormally to be found.

b. Operation vibration shall be 0.5G'S peak, 5-250Hz, 3 planes, after 30 minute test no abnormally to be noted.

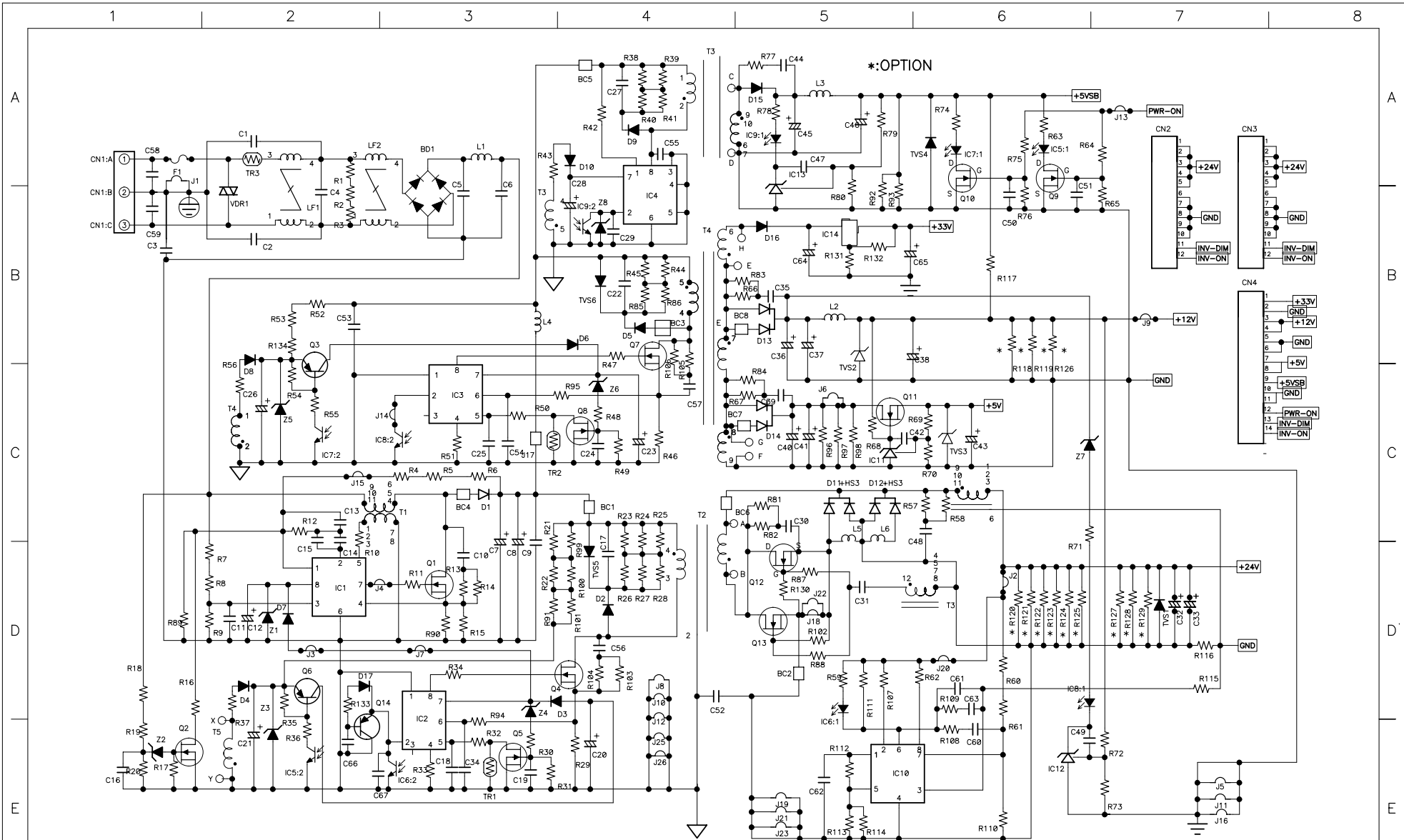
6. Mechanical

6.1 Plastic Case : None.

6.2 Physical Size <= 250mm (L) X 130mm (W) X 37.50mm (H).

6.3 Output connector : Two 2.0mm pitch 10 pins vertical connector. Refer to mechanical drawing.

6.4 Weight about 1300g.




LI SHIN INTERNATIONAL ENTERPRISE CORPORATION
 力信興業股份有限公司

Approved: **王建文**
 Designed: **王建文**
 Drawn: **FANG**

DESCRIPTION:
 Material:
 Treatment:

PART NO.:
 USED ON: 0316D05267
 SHEET: 1 OF 1
 3D FILE:
 DWG NO.: J0316DN02R01 (ALL)
 REV.: 0.1

REV.	DESCRIPTION	DATE	APP
0.1	ADD R134	94/06/14	
A.4	ADD C66/67 R133 D17 Q14	94/06/10	

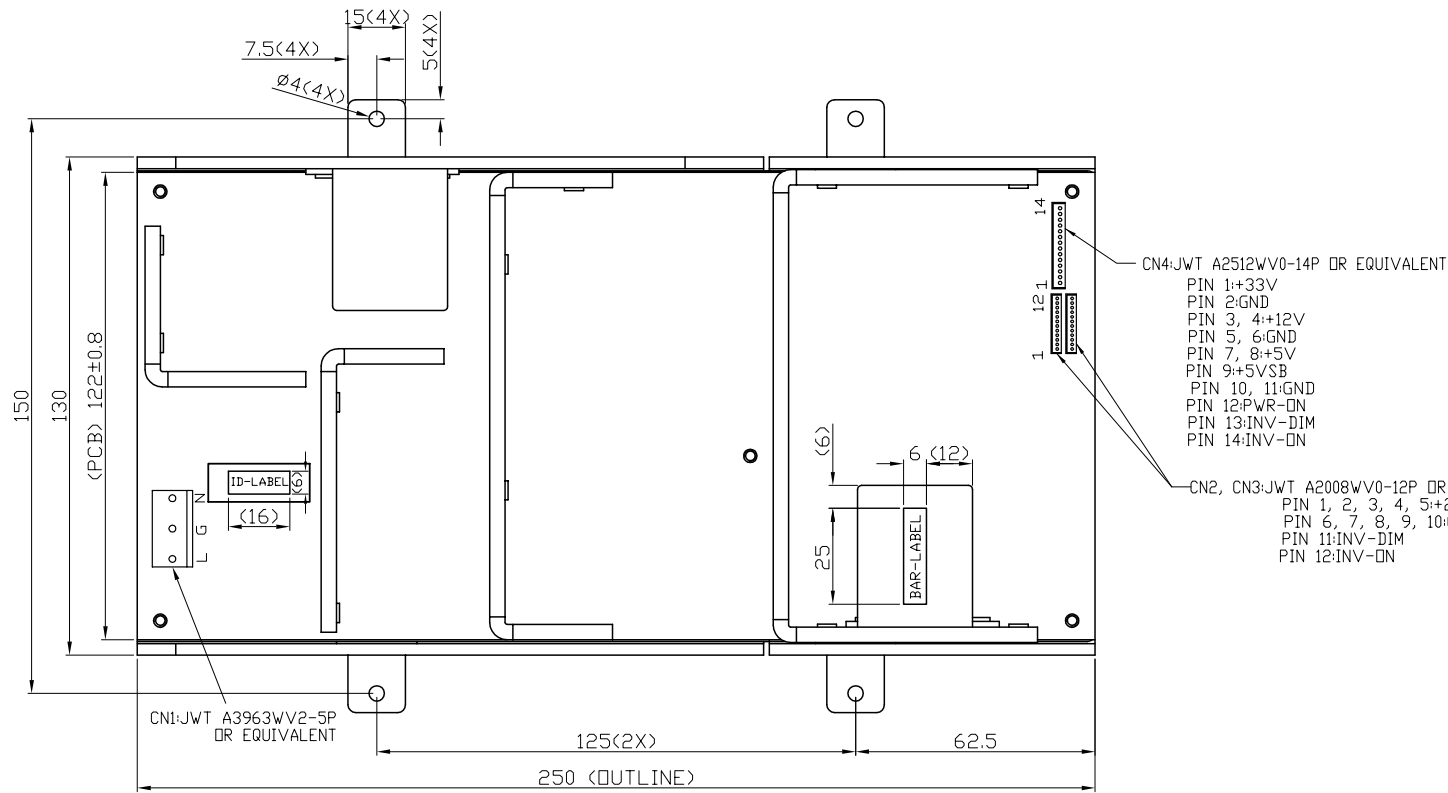

THIRD ANGLE PROJECTION

UNITS: mm A4
 SIZE: DATE: 94/06/14

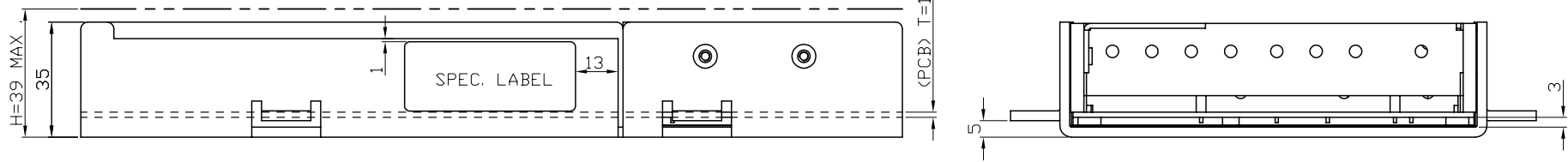
AC INPUT 



DC OUTPUT 

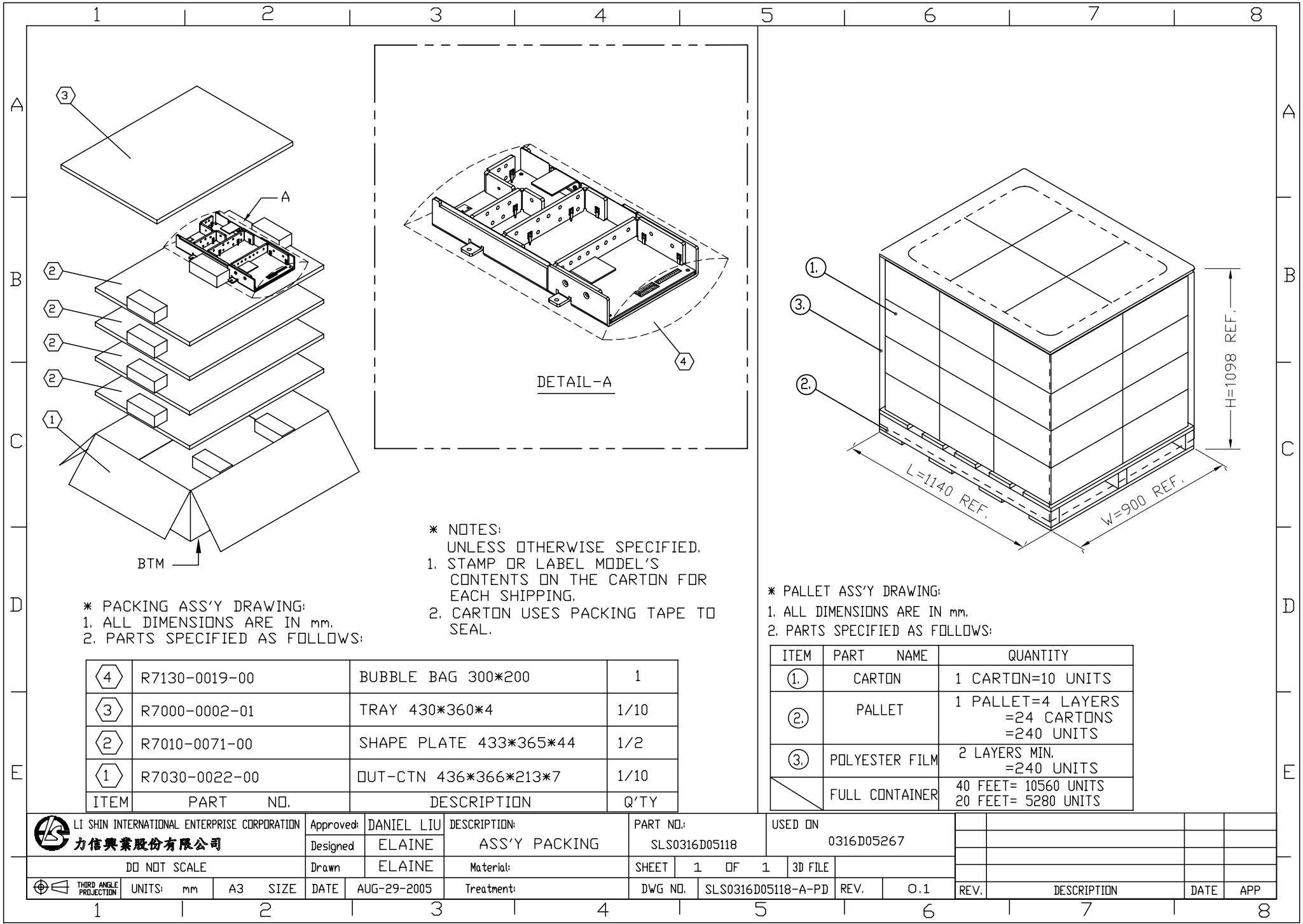
NOTES: UNLESS OTHERWISE SPECIFIED
 1. ALL DIMENSIONS ARE IN mm.
 TOLERANCES TO BE ± 0.5 mm
 2. PARTS SPECIFIED AS FOLLOWS:
 2-1. CN1 SOCKET:
 MATERIAL:
 INSULATOR: NYLON 66 UL 94V-0
 CONTACT: 1.14mm TIN PLATED SQUARE PIN
 2-2. CN2, CN3 SOCKET:
 MATERIAL:
 INSULATOR: NYLON 66 UL 94V-0
 CONTACT: 0.5mm SQUARE PIN, BRASS, TIN PLATED
 2-3. CN4 SOCKET:
 MATERIAL:
 INSULATOR: NYLON 66 UL 94V-0
 CONTACT: 0.64mm SQUARE PIN, BRASS, TIN PLATED



- CN4:JWT A2512WV0-14P OR EQUIVALENT
 PIN 1:+33V
 PIN 2:GND
 PIN 3, 4:+12V
 PIN 5, 6:GND
 PIN 7, 8:+5V
 PIN 9:+5VSB
 PIN 10, 11:GND
 PIN 12:PWR-DN
 PIN 13:INV-DIM
 PIN 14:INV-DN
- CN2, CN3:JWT A2008WV0-12P OR EQUIVALENT
 PIN 1, 2, 3, 4, 5:+24V
 PIN 6, 7, 8, 9, 10:GND
 PIN 11:INV-DIM
 PIN 12:INV-DN



 LI SHIN INTERNATIONAL ENTERPRISE CORPORATION 力信興業股份有限公司	Approved:	DANIEL LIU	DESCRIPTION:	PART NO.:	USED ON									
	Designed	ELAINE	OUTLINE	SLS0316D05118	0316D05275									
DO NOT SCALE	Drawn	ELAINE	Material:	SHEET	1 OF 1	3D FILE								
 THIRD ANGLE PROJECTION	UNITS: mm	A3	SIZE	DATE	AUG-29-2005	Treatment:	DWG NO.	SLS0316D05118-A-DD	REV.	0.1	REV.	DESCRIPTION	DATE	APP



* PACKING ASS'Y DRAWING:
 1. ALL DIMENSIONS ARE IN mm.
 2. PARTS SPECIFIED AS FOLLOWS:

④	R7130-0019-00	BUBBLE BAG 300*200	1
③	R7000-0002-01	TRAY 430*360*4	1/10
②	R7010-0071-00	SHAPE PLATE 433*365*44	1/2
①	R7030-0022-00	OUT-CTN 436*366*213*7	1/10
ITEM	PART NO.	DESCRIPTION	Q'TY

* NOTES:
 UNLESS OTHERWISE SPECIFIED,
 1. STAMP OR LABEL MODEL'S CONTENTS ON THE CARTON FOR EACH SHIPPING.
 2. CARTON USES PACKING TAPE TO SEAL.

* PALLET ASS'Y DRAWING:
 1. ALL DIMENSIONS ARE IN mm.
 2. PARTS SPECIFIED AS FOLLOWS:

ITEM	PART NAME	QUANTITY
①	CARTON	1 CARTON=10 UNITS
②	PALLET	1 PALLET=4 LAYERS =24 CARTONS =240 UNITS
③	POLYESTER FILM	2 LAYERS MIN. =240 UNITS
	FULL CONTAINER	40 FEET= 10560 UNITS 20 FEET= 5280 UNITS

LI SHIN INTERNATIONAL ENTERPRISE CORPORATION 力信興業股份有限公司	Approved: DANIEL LIU	DESCRIPTION: ASS'Y PACKING	PART NO.: SLS0316D05118	USED ON: 0316D05267				
	Designed: ELAINE	Material:	SHEET 1 OF 1	3D FILE				
DO NOT SCALE	Drawn: ELAINE	Treatment:	DWG NO. SLS0316D05118-A-PD	REV. O.1	REV.	DESCRIPTION	DATE	APP
THIRD ANGLE PROJECTION	UNITS: mm	A3 SIZE	DATE: AUG-29-2005					

NOTES: UNLESS OTHERWISE SPECIFIED.

1. ALL DIMENSIONS ARE IN mm.

TOLERANCES TO BE ± 0.25 mm.

2. THE ARRANGEMENT OF LAMINATE WITH MATERIAL THICKNESS AS FOLLOWS:

- ① OPP FILM (CLEAR) 0.025
- ② ACRYLIC ADHESIVE 0.018
- ③ POLYESTER (#25) 0.025
- ④ K. K. #9 ADHESIVE 0.024

GRAND TOTAL THK. 0.092 $\pm 10\%$

3. THE LINES ARE 0.5 mm WIDE.

4. COLOR: CHARACTERS, LOGOS AND LINES SHALL BE BLUE (PANTONE 300C), BASE TO BE SILVER (PANTONE 877C).

5. APPROVED VENDOR MUST BE UL RECOGNIZED AND CSA CERTIFIED.

6. THE LABEL SHALL BE MARKED WITH THE CSA VENDOR IDENTIFICATION MARK AS SPECIFIED IN THE CSA LIST (CM, CM-1, ...).

7. SAFETY STANDARD ORGANIZATION IN SYMBOLS ARE 7.62MM TO 5.0MM HIGH.

8. LETTERING SHOULD BE CLEAR-CUT, SURFACE TO BE FREE OF DEFECT.

LABEL SIZE:
57(L) x 24(W),
R1.5(4X)

LI SHIN INTERNATIONAL ENTERPRISE CORP.	
MODEL NO: 0316D05275	MADE IN CHINA
INPUT: 100-240V~, 50-60Hz, 3.5A	
OUTPUT: 24V=9A, 12V=2.5A, 5V=4.0A	
33V=0.1A, 5V(STB)=1.0A	
CONTROL	HIGH: POWER ON
	LOW: POWER STAND BY **

** 表製造廠商

SCALE 1.5:1



LI SHIN INTERNATIONAL ENTERPRISE CORPORATION
力信興業股份有限公司

APPROVED

王建文

DESCRIPTION:

SPEC. LABEL

PART NO.:

R73D8-0316-12

USED ON

SLS0316D05118

DO NOT SCALE

ME

ELAINE

Material:

SHEET

1

OF

1

3D FILE



THIRD ANGLE PROJECTION

UNITS: mm

A3

SIZE

DATE

JUL-13-2005

Treatment:

DWG NO.

R73D8-0316-12-A

REV.

0.1

REV.

DESCRIPTION

DATE

NOTES: UNLESS OTHERWISE SPECIFIED

1. ALL DIMENSIONS ARE IN mm.

TOLERANCE TO BE $\pm 0.25\text{mm}$

2. THE ARRANGEMENT OF LAMINATE WITH MATERIAL THICKNESS AS FOLLOWS:

(白色特多龍)

① WHITE POLYESTER(#50) 0.050

② ACRYLIC ADHESIVE 0.028

GRAND TOTAL THK. 0.078 $\pm 10\%$

3. BAR CODE(CODE128) SPECIFIED AS FOLLOWS:

(PRINTED BY LI SHIN)

1--FACTORY CODE, CHINA SU ZHOU(FORDGOOD)-->A2

CHINA SU ZHOU(LI SHIN)-->A3

2--A.D. THE END NUMBER OF PRODUCE YEAR,

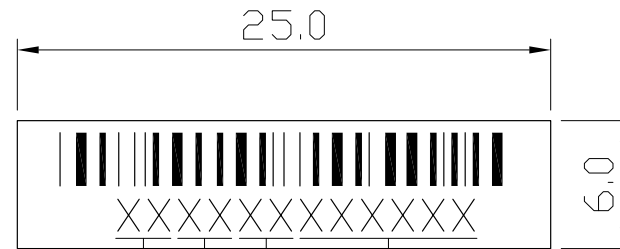
1995-->95, 1996-->96, 1997-->97, ...,

2000-->2K, ..., 3000-->3K

3--WEEK, PRODUCE WEEK. 01, 02, 03, ..., 52, ...

4--PRODUCE NO. SERIAL NO.

(MONTH RESET FROM 000001 TO 999999)



(2 CHARACTER) 1

(2 CHARACTER) 2

(2 CHARACTER) 3

(6 CHARACTER) 4

LI SHIN INTERNATIONAL ENTERPRISE CORPORATION 力信興業股份有限公司	Approved:	EDDY SHEN	DESCRIPTION:	PART NO.:	USED ON					
	Designed:	EDDY SHEN	NOTES FOR BAR CODE		ALL MODEL					
DO NOT SCALE	Drawn:	ELAINE	Material:	SHEET	1	OF	1	3D FILE		
THIRD ANGLE PROJECTION	UNITS:	mm	A4 SIZE	DATE	Dec-23-2002	Treatment:				
				DWG NO.	NS73-000005	REV.	0.2	RENEW	0511'04	ELAINE
								DESCRIPTION	DATE	APP

1 | 2 | 3 | 4 | 5 | 6 | 7 | 8

1 2 3 4 5 6 7 8

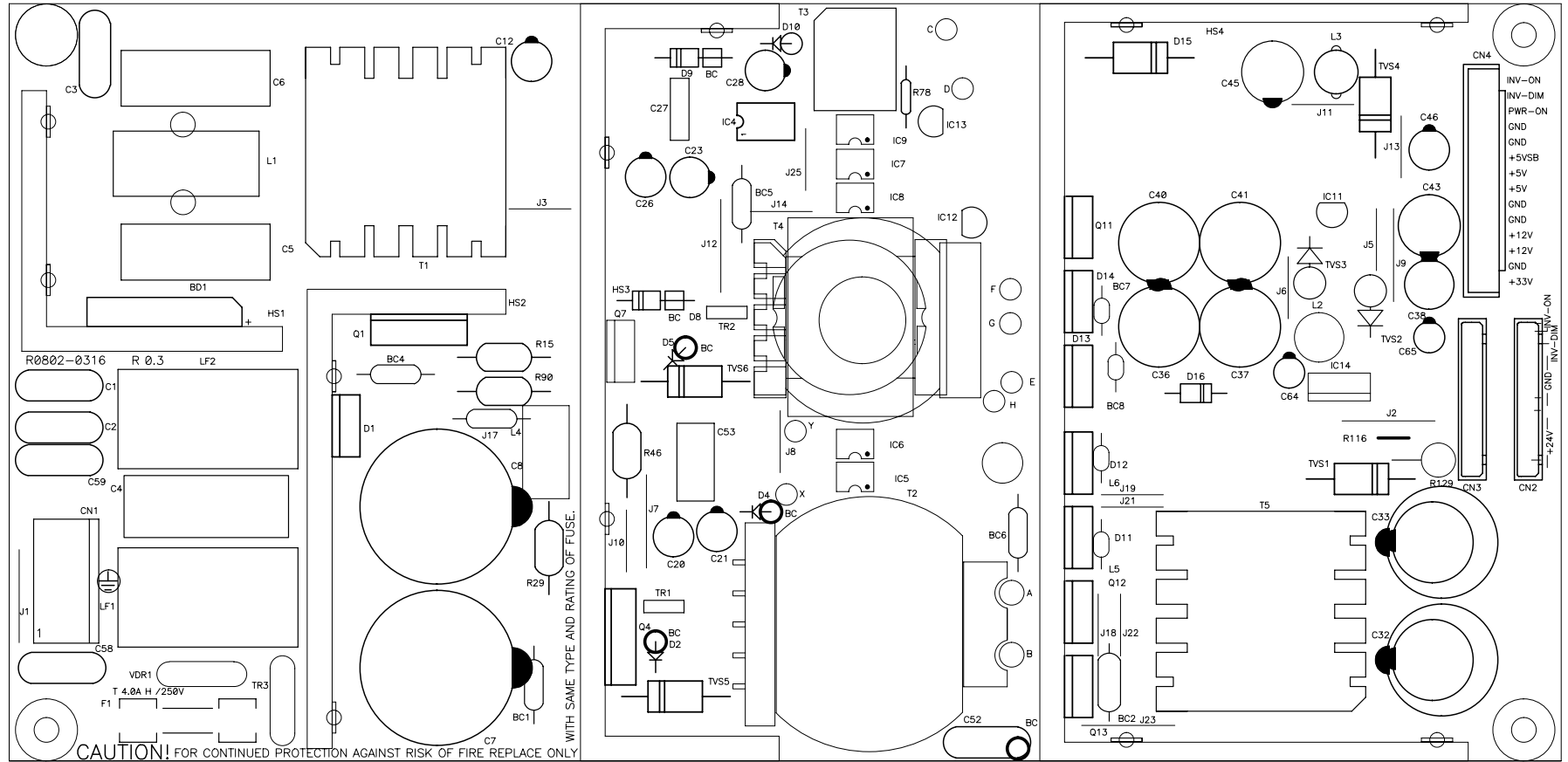
A A

B B

C C

D D

E E



LI SHIN INTERNATIONAL ENTERPRISE CORPORATION
力信興業股份有限公司

Approved:
Designed: 王建文

DESCRIPTION: PCB COMPONENT SLKSCR

PART NO: R0802-0316-030

USED ON 0316DXXXX

0.3 T3 P8 DEL PAD, TVS5 -1.40, ADD BC MARK 94/07/28

0.2 ADD Q11-13 D11-D14 IC14 CN2-4 白漆印刷 94/06/27

0.1 ADD R134, DIODE 17.0 CHANGE 17.5mm 94/06/14

A.4 ADD C66 C67 R133 D17 Q14 Z8, ADD "H" 1.00 CHANGE FUSE TEXT, D15 TVS1/4 BC Q... 94/06/10

A.3 CHANGE FUSE TEXT, ADD 警告標語 94/05/17

A.2 CHANGE CN2 CN3 C64位置 94/05/09

A.1 CHANGE CN2 CN3 SIZE 94/04/18

DO NOT SCALE
THIRD ANGLE PROJECTION UNITS: mm A4 SIZE DATE 94-07-28

Drawn FANG

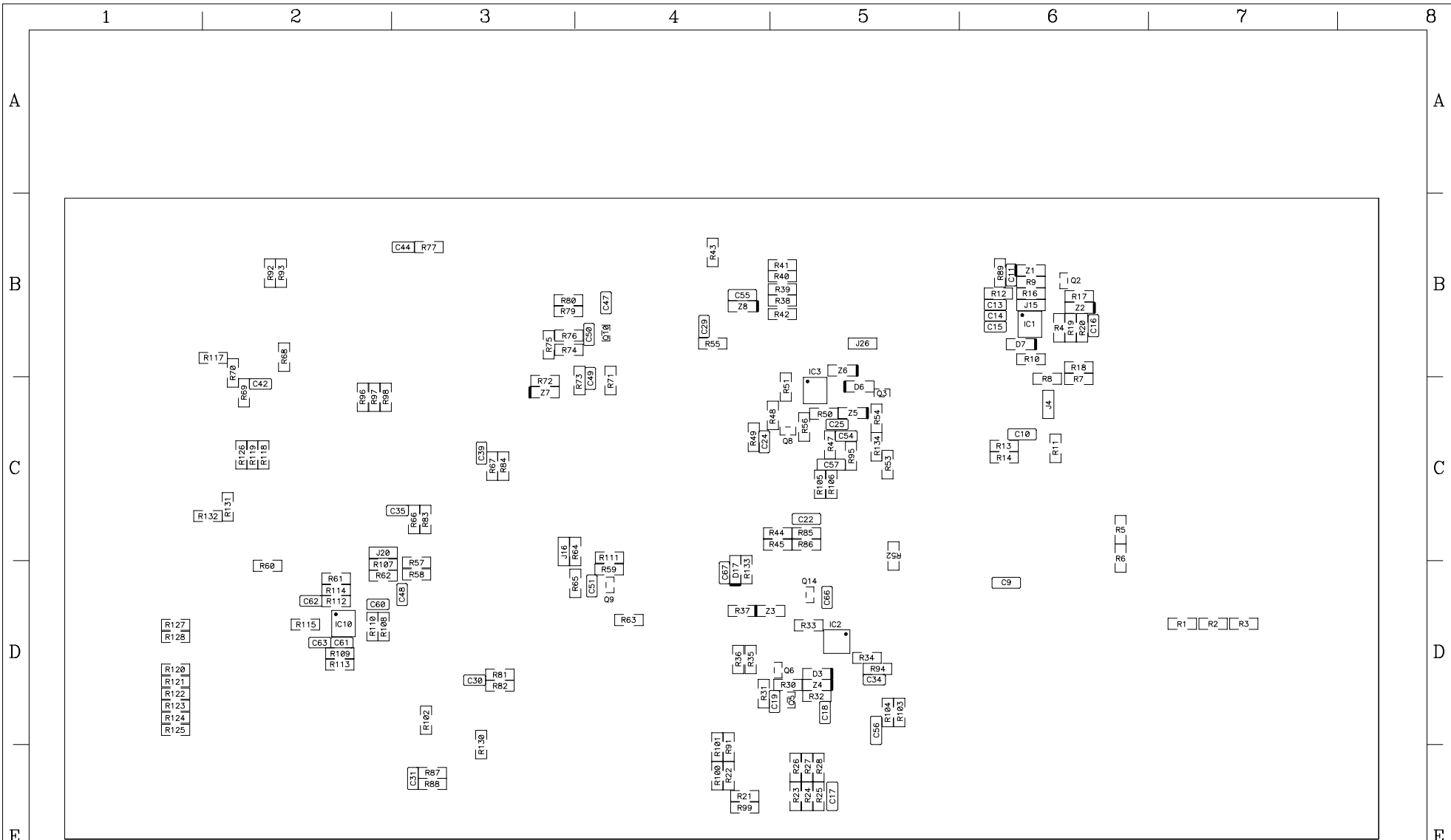
Material: Treatment: +/-0.20

SHEET 1 OF 6 DWG NO. K0316DN02R03

3D FILE REV. R 0.3

REV.	DESCRIPTION	DATE	APP

1 2 3 4 5 6 7 8




LI SHIN INTERNATIONAL ENTERPRISE CORPORATION
力信興業股份有限公司

Approved: _____
 Designed: **王建文**
 Drawn: **FANG**

DESCRIPTION: PCB
 COMPONENT (SMD)

PART NO.: R0802-0316-030

USED ON: 0316DXXXX

DO NOT SCALE
 THIRD ANGLE PROJECTION

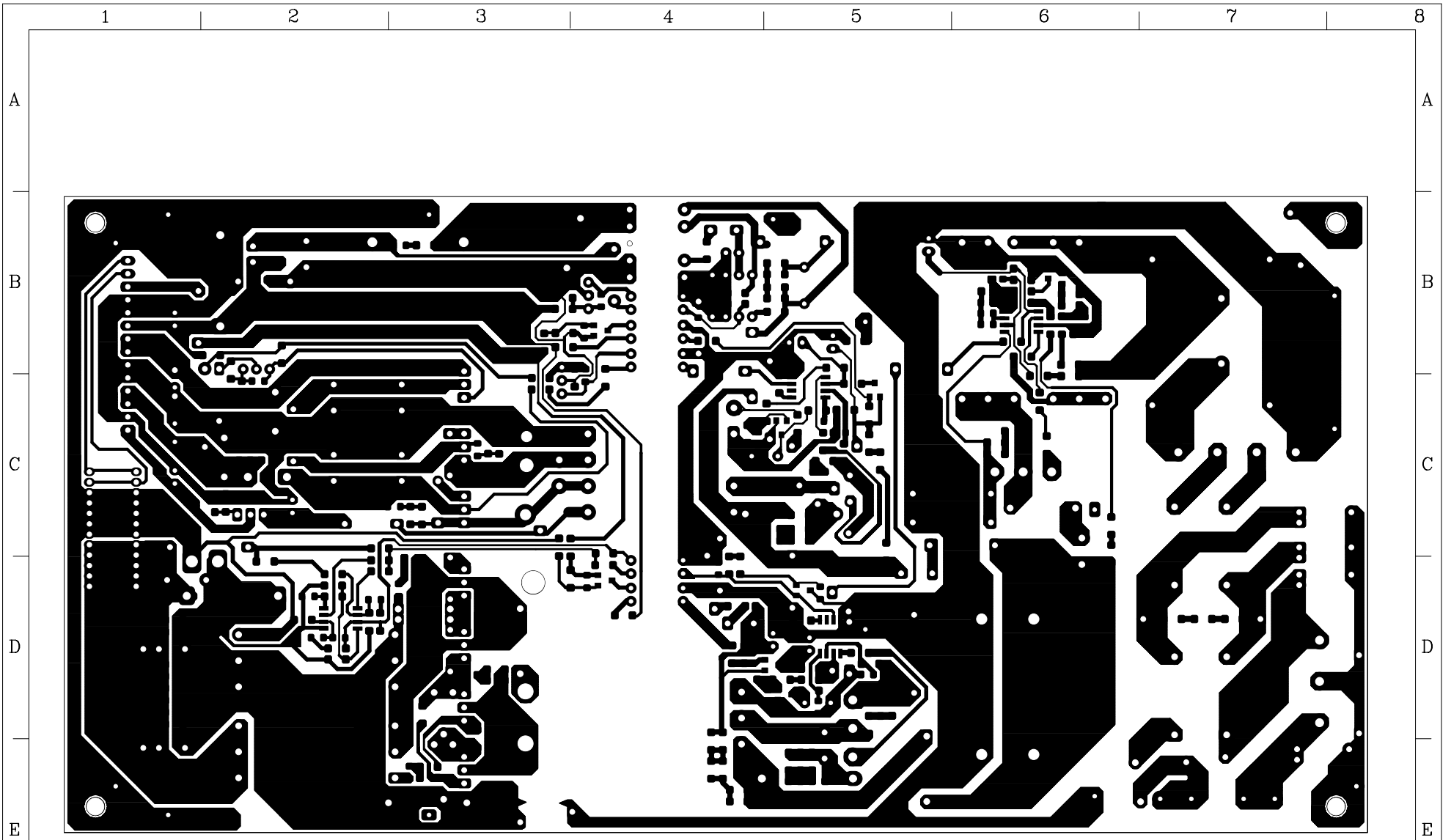
UNITS: mm
 A4 SIZE
 DATE: 94-07-28


Material: _____
 Treatment: +/-0.20

SHEET: 2 OF 6
 DWG NO.: K0316DN02R03

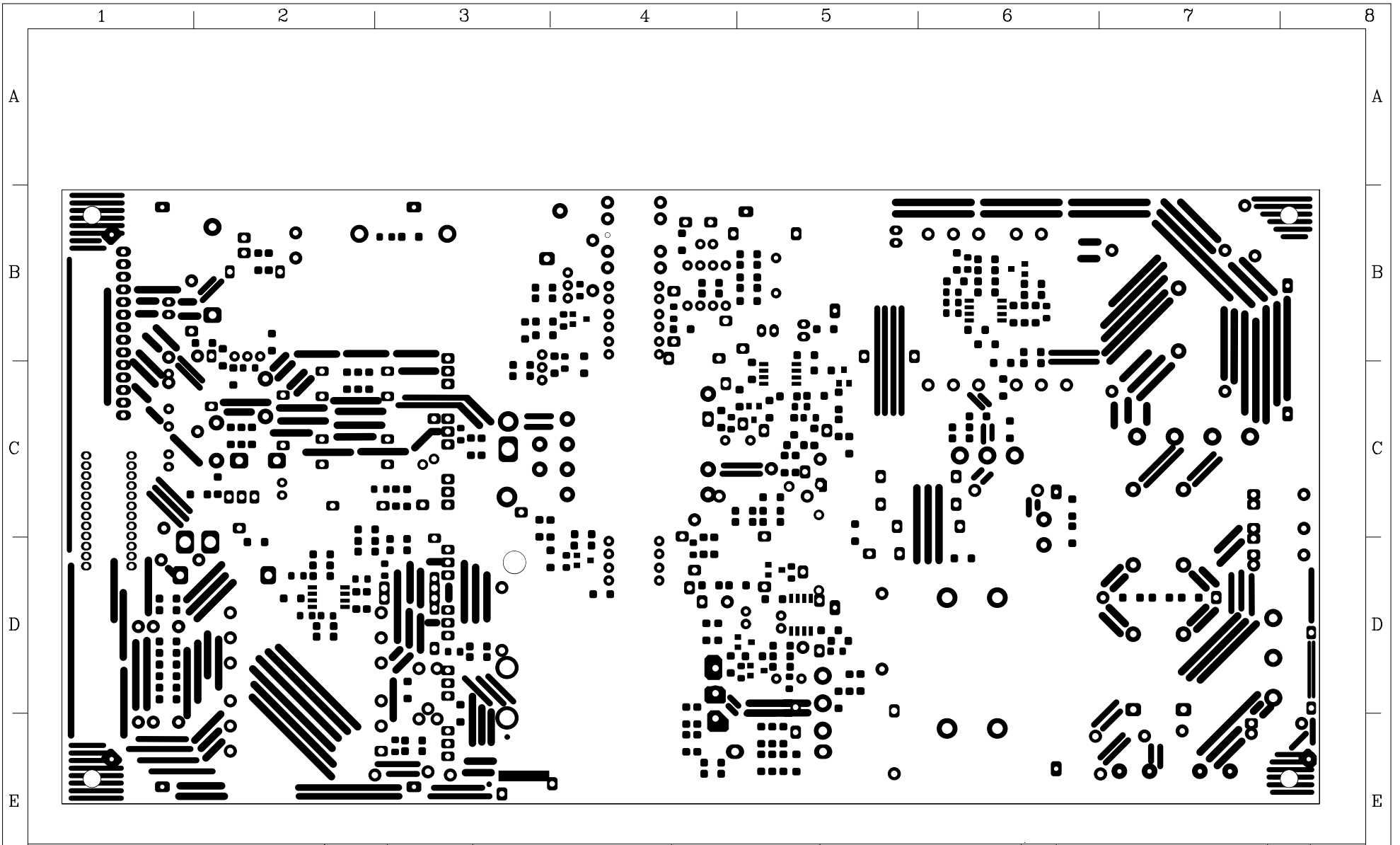
3D FILE
 REV.: R 0.3



REV.	DESCRIPTION	DATE	APP



 LI SHIN INTERNATIONAL ENTERPRISE CORPORATION 力信興業股份有限公司	Approved:		DESCRIPTION: PCB	PART NO:	USED ON						
	Designed		SOLDER SIDE	R0802-0316-030	0316DXXXX						
	Drawn		Material:	SHEET	3 OF 6	3D FILE					
DO NOT SCALE		DATE	Treatment:	DWG NO.	REV.	R 0.3	REV.	DESCRIPTION	DATE	APP	
UNITS: mm A4 SIZE		94-07-28	+/-0.20	K0316DN02R03							

1 2 3 4 5 6 7 8



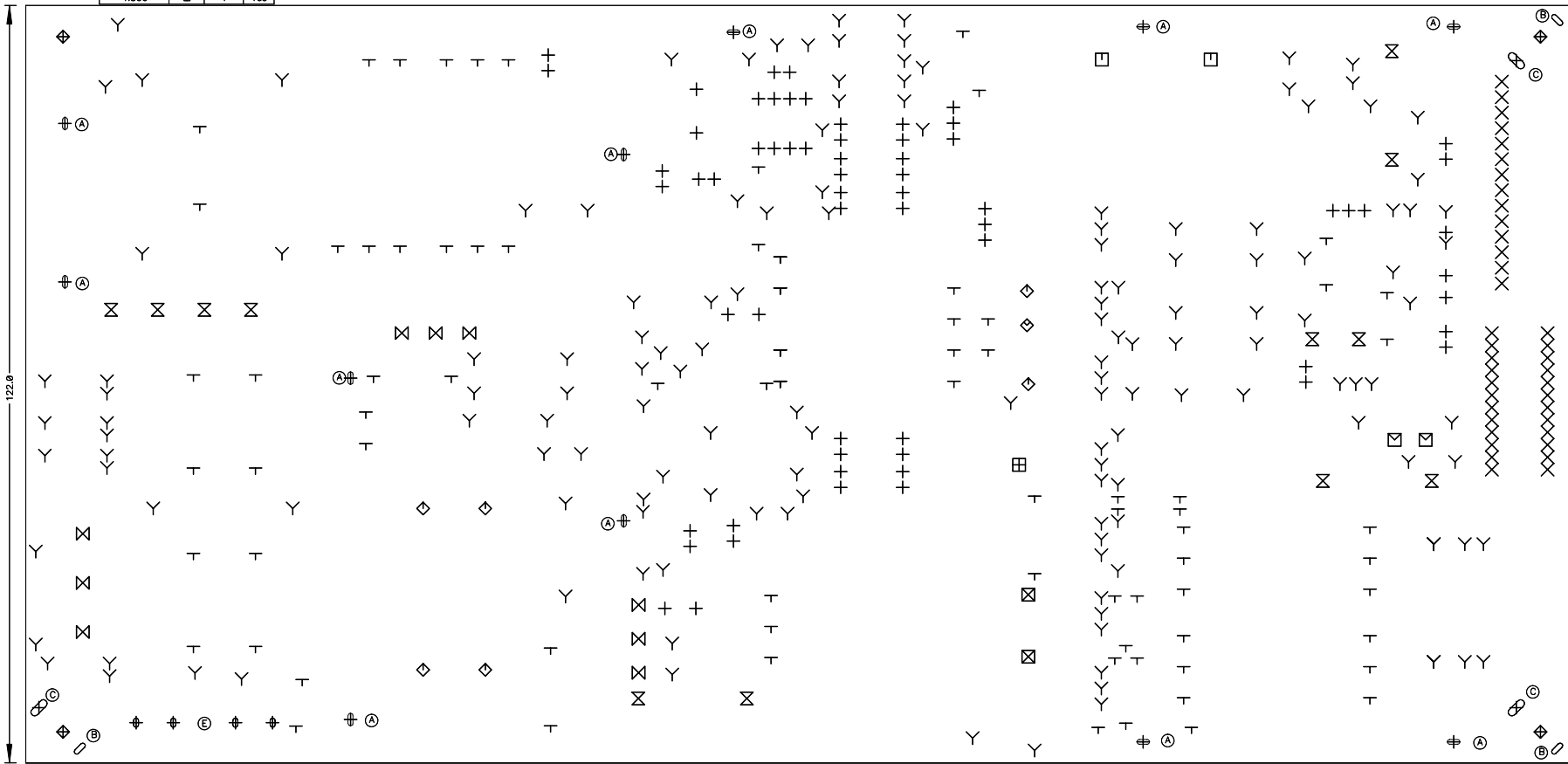
 LI SHIN INTERNATIONAL ENTERPRISE CORPORATION 力信興業股份有限公司	Approved:		DESCRIPTION:	PCB	PART NO.:	R0802-0316-030	USED ON	0316DXXXX								
	Designed	王建文		SOLDER MASK												
	Drawn	FANG	Material:		SHEET	4 OF 6	3D FILE									
 THIRD ANGLE PROJECTION	UNITS:	mm	A4	SIZE	DATE	94-07-28	Treatment:	+/-0.20	DWG NO.	K0316DN02R03	REV.	R 0.3	REV.	DESCRIPTION	DATE	APP

1 2 3 4 5 6 7 8

Hole Dia (mm)	Symbol	Quantity	Plated
0.800	+	82	Yes
0.900	X	38	Yes
1.000	Y	153	Yes
1.200	T	82	Yes
1.400	Z	12	Yes
1.600	M	9	Yes
1.800	□	2	Yes
2.000	◇	6	Yes
2.200	◇	2	Yes
2.500	◇	1	Yes
3.000	⊠	2	Yes
3.500	◇	4	Yes
4.500	⊠	1	Yes

CEM-1 2oz 94V0 1.6mm

- ← (A)=2.0x0.8+0.1-0
- ← (B)=2.2x0.8+/-0.1
- ← (C)=3.2X1.2+/-0.1
- ← (E)=1.5x0.8+0.1-0



LI SHIN INTERNATIONAL ENTERPRISE CORPORATION
力信興業股份有限公司

Approved: 王建文
Designed: 王建文

DESCRIPTION: PCB
DRILL DRAWING

PART NO.: R0802-0316-030

USED ON: 0316DXXXX

DO NOT SCALE

Drawn: FANG

Material:

SHEET: 5 OF 6

3D FILE



THIRD ANGLE PROJECTION
UNITS: mm A4 SIZE

DATE: 94-07-28

Treatment: +/-0.20



DWG NO.: K0316DN02R03

REV.: R 0.3

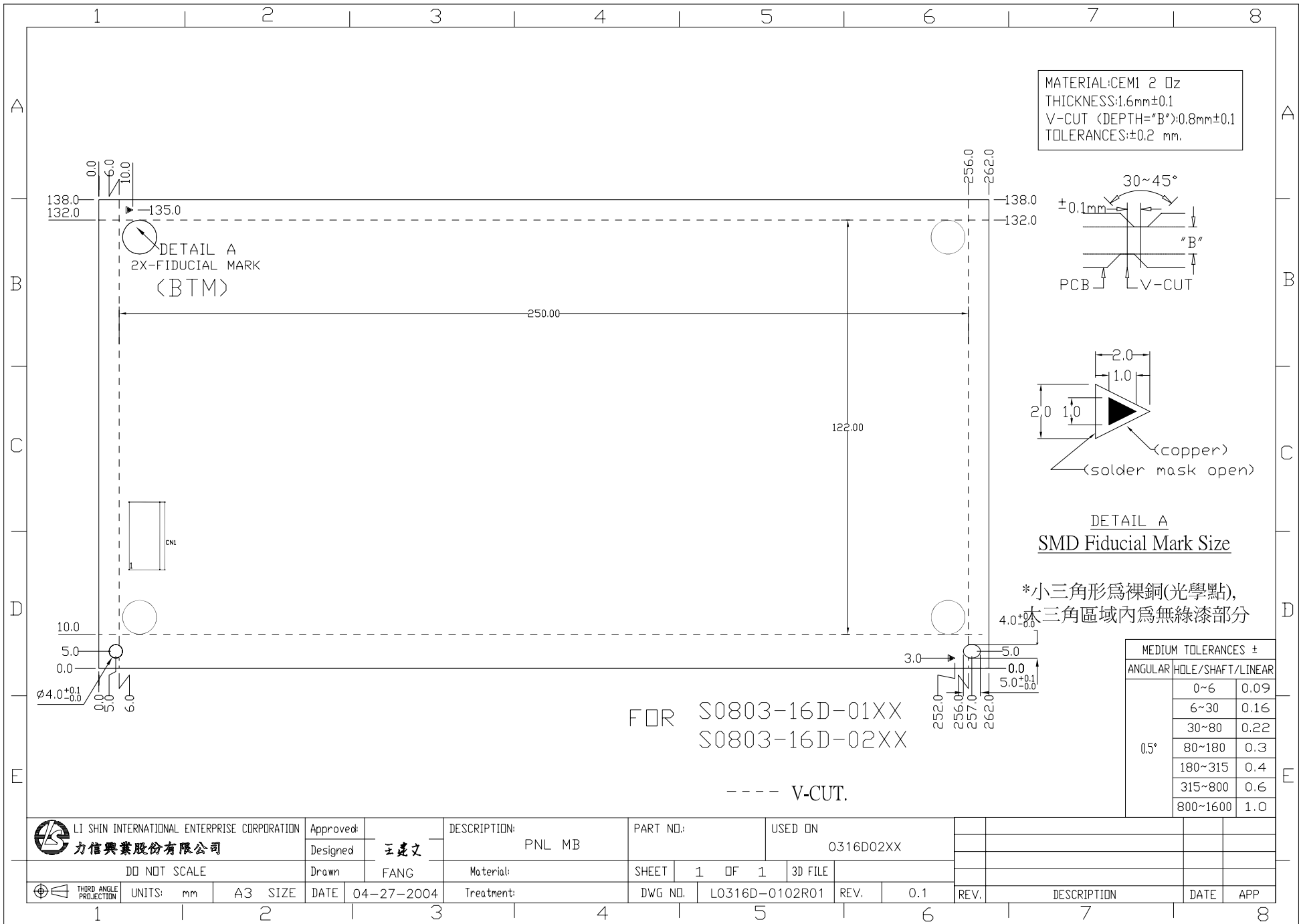
REV.	DESCRIPTION	DATE	APP

1 2 3 4 5 6 7 8



 LI SHIN INTERNATIONAL ENTERPRISE CORPORATION 力信興業股份有限公司	Approved:		DESCRIPTION: PCB	PART NO:	USED ON					
	Designed: 王建文		COMPONENT (SMD)	R0802-0316-030	0316DXXXX					
DO NOT SCALE		Drawn: FANG		Material:	SHEET: 6 OF 6	3D FILE:				
 THIRD ANGLE PROJECTION	UNITS: mm	SIZE: A4	DATE: 94-07-28	Treatment: +/-0.20	DWG NO: K0316DN02R03	REV: R 0.3	REV:	DESCRIPTION	DATE	APP

1 2 3 4 5 6 7 8



RD BILL OF MATERIALS

ITEM	S	D	P	PARTNO	DESCRIPTION	QTY	LOCATION	MAKER	L/T
1001				R0002-0004-0X	IC PHO 4P EL817C	5	IC5*1,IC6*1,IC7*1,IC8*1,IC9*1,	EVERLIGHT	60
1001-A				R0062-0005-03	IC PHO 4P PC123X5YFZ (SHARP)	0		SHARP	60
1001-B				R0002-0004-03	IC PHO 4P LTV-817MC DIP-4	0		LITEON	60
1001-C				R0002-0005-01	IC PHO 4P PS2561-1-V DIP-4(NEC	0		NEC	60
1002				R0212-0003-02	DIO 200V 1A UF4003 (GS)	2	D4*1,D10*1,	GS	30
1002-A				R0212-0003-01	DIO 200V 1A FUF4003	0		FAGOR	30
1002-B				S0212-0003-04	DIO 200V 1A BYD57D	0		PHILIPS	30
1002-C				S0212-0003-05	DIO 200V 1A BYV26A	0		PHILIPS	30
1003				R0212-0003-06	DIO 200V 1A PR1003 (LT)	1	D8*1,	LT	30
1003-A				R0212-0004-02	DIO 400V 1A PR1004 (LITEON)	0		LITEON	30
1004				R0212-0009-01	DIO 1000V 1A PR1007	1	D16*1,	LITEON	30
1005				R0232-0103-8L	TVS 600W 13.5-16.5V P6KE15	1	TVS2*1,	FAGOR	30
1005-A				R0232-0103-8N	TVS 600W 13.5-16.5V P6KE15	0		VISHAY	30
1006				R0242-0025-06	BRG 800V 10A D10XB80	1	BD1*1,	SHINDENGEN	60
1007				R0282-0009-02	UFRD 600V 15A STTH15R06FP (ST)	1	D1*1,	ST	30
1007-A				S0282-0001-03	UFRD 600V 15A UGF15JT	0		GS	30
1008				R0352-0001-02	ABSORBER 300V TVR14471	1	VDR1*1,	WUJIN THINKING	0
1009				S0002-0003-06	IC REF 3P KA431AZ-MTA TO-92	3	IC11*1,IC12*1,IC13*1,	FAIRCHILD	60
1009-A				S0002-0003-0P	IC REF 3P TL431 TO-92 (UTC)	0		UTC	60
1009-B				S0002-0003-11	IC REF 3P AP431 TO-92 F (ATC)	0		ATC	60
1009-C				S0002-0003-15	IC REF 3P TL431ACZ-AP F (ST)	0		ST	60
1010				S0002-0012-01	IC REF 3P 1.2-37V 1.5A KA317	1	IC14*1,	FAIRCHILD	60
1011				S0012-0008-02	IC PWM 8P FSDH0165D 8-DIPH	1	IC4*1,	FAIRCHILD	60
1012				S0132-0003-0F	MFET N 30V 40A STP40NF03L (ST)	1	Q11*1,	ST	60
1012-A				S0102-0015-01	MFET 30V 35A 2SK2844	0		TOSHIBA	60
1013				S0132-0006-06	MFET 100V 85A SUP85N10-10	2	Q12*1,Q13*1,	VISHAY	60
1013-A				S0132-0014-09	MFET N 100V 80A SPP80N10L	0		INFINEON	60

RD BILL OF MATERIALS

ITEM	S	D	P	PARTNO	DESCRIPTION	QTY	LOCATION	MAKER	L/T
1014				S0152-0003-09	MFET N 650V 20.7A SPW20N60C3	1	Q1*1,	INFINEON	60
1015				S0152-0011-09	MFET N 800V 17A SPW17N80C3	1	Q4*1,	INFINEON	60
1016				S0152-0012-09	MFET N 800V 8A SPA08N80C3	1	Q7*1,	INFINEON	60
1016-A				R0152-0006-09	MFET N 800V 11A SPA11N80C3	0		INFINEON	60
1017				S0212-0008-08	DIO 1000V 1A BYV26E (PHILIPS)	3	D2*1,D5*1,D9*1,	PHILIPS	30
1017-A				S0212-0008-04	DIO 1000V 1A UF4007 (GENERAL)	0		GENERAL	30
1017-B				S0212-0008-01	DIO 1000V 1A FUF4007 (FAGOR)	0		FAGOR	30
1018				S0222-0007-06	SBD 40V 3A D3S4M (SHINDENGEN)	1	D15*1,	SHINDENGEN	60
1018-A				S0222-0007-01	SBD 40V 3A 31DQ04 (NI)	0		NI	60
1018-B				R0222-0007-0N	SBD 40V 3A SB340	0		VISHAY	60
1019				S0222-0014-05	SBD 150V 10A MBR10H150CT (IR)	1	D13*1,	IR	60
1019-A				S0222-0014-09	SBD 150V 10A STPS10150CT (ST)	0		ST	60
1019-B				S0222-0014-02	SBD 150V 10A MBR10H150CT (GS)	0		GS	60
1019-C				S0222-0014-04	SBD 150V 10A MBR10150CT	0		LITEON	60
1020				S0222-0018-02	SBD 60V 20A MRB2060CT (GS)	1	D14*1,	GS	60
1020-A				S0222-0018-09	SBD 60V 20A STPS2060CT (ST)	0		ST	60
1021				S0222-0023-06	SBD 150V 30A SF30NC15	2	D11*1,D12*1,	SHINDENGEN	60
1021-A				S0222-0023-01	SBD 150V 30A FCH30A15 (NI)	0		NI	60
1022				S0232-0075-B2	TVS 1500W 25.7-28.4V 1.5KE27A	1	TVS1*1,	ST	30
1022-A				S0232-0075-BN	Z.D 1500W 25.7-28.4V 1.5KE27A	0		VISHAY	30
1022-B				S0232-0075-BL	Z.D 1500W 25.7-28.4V 1.5KE27A	0		FAGOR	30
1023				S0232-0080-B2	Z.D 1500W 332-368V 1.5KE350A	1	TVS5*1,	ST	30
1023-A				S0232-0080-BL	Z.D 1500W 332-368V 1.5KE350A	0		FAGOR	30
1024				S0232-0084-82	Z.D 600W 6.45-7.14V P6KE6V8A	1	TVS4*1,	ST	30
1024-A				S0232-0059-0L	TVS 600W 6.8V P6KE6V8CA	0		FAGOR	30
1024-B				S0232-0059-8N	TVS 600W 6.8V P6KE6.8A (VISHAY)	0		VISHAY	30
1025				R0001-0005-01	IC REF 8P TSM101ACDT SO-8 (ST)	1	IC10*1,	ST	60
1026				R0001-0008-01	IC PWM 8P L6561 SOT-8 (ST)	1	IC1*1,	ST	60

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ITEM	S	D	P	PARTNO	DESCRIPTION	QTY	LOCATION	MAKER	L/T
1027				R0011-0012-0L	IC PWM 8P SG6841S (SG)	2	IC2*1,IC3*1,	SG	60
1028				R0101-0019-01	MFET N 60V 300mA 2N7002	3	Q2*1,Q5*1,Q8*1,	PHILIPS	60
1028-A				R0101-0019-02	MFET N 60V 300mA BSH112 SOT-23	0		PHILIPS	60
1028-B				S0101-0019-05	MFET N 60V 115mA 2N7002MTF	0		FAIRCHILD	60
1028-C				S0101-0019-06	MFET N 60V 300mA 2N7002K	0		VISHAY	60
1028-D				S0101-0019-0Q	MFET N 60V 300mA 2N7002E	0		PHILIPS	60
1028-E				S0101-0019-04	MFET N 60V 115mA RK7002 (ROHM)	0		ROHM	60
1029				R0211-0013-01	DIO 75V 300mA LL4148	4	D3*1,D6*1,D7*1,D17*1,	VISHAY	30
1029-A				R0211-0013-02	DIO 75V 200mA RLS4148N TE-11	0		ROHM	30
1029-B				S0211-0013-0C	DIO 75V 200mA BAS32L (PHILIPS)	0		PHILIPS	30
1030				S0101-0018-01	MFET PNP -60V -0.6A PMBT2907A	3	Q3*1,Q6*1,Q14*1,	PHILIPS	60
1030-A				S0101-0016-01	TRX PNP KST2907AMTF SOT-23	0		FAIRCHILD	60
1031				S0101-0020-02	TRX NPN 40V 600mA PMBT2222A	2	Q9*1,Q10*1,	PHILIPS	60
1031-A				R0101-0020-0A	TRX NPN 40V 600mA MMBT2222ALT1	0		ON	60
1031-B				S0101-0017-01	TRX NPN KST2222AMTF SOT-23	0		FAIRCHILD	60
1032				S0231-0016-31	Z.D 1/2W 18.8-21.2V BZV55C20	3	Z1*1,Z3*1,Z5*1,	PHILIPS	30
1032-A				S0231-0016-3I	Z.D 1/2W 18.8-21.2V TZMC20	0		TEMIC	30
1033				S0231-0035-11	Z.D 1/2W 5.8-6.6V BZV55C6V2	1	Z8*1,	PHILIPS	30
1034				S0231-0042-11	Z.D 1/2 25.1-28.9V BZV55C27	1	Z2*1,	PHILIPS	30
1034-A				S0231-0042-1I	Z.D 1/2 25.1-28.9V TZMC27	0		TEMIC	30
1035				S0231-0043-1C	Z.D 1/2 17.6-18.4V BZV55B18	2	Z4*1,Z6*1,	PHILIPS	30
1035-A				S0231-0032-11	Z.D 1/2W 16.82-17.70V RLZ18B	0		ROHM	30
2001				R2022-4742-1A	C.MEX 474/275V M 22.5 LE474	1	C4*1,	OKAYA	28
2001-A				R2022-4742-14	C.MEX 474/275V M 22.5 KNB1560	0		ISKRA	28
2001-B				R2022-4742-12	C.MEX 474/275V M 22.5 PCX2 335	0		PILKOR	28
2001-C				R2022-4742-1P	C.MEX 474/275V M 22.5 R46	0		ARCOT	28
2002				R2032-1021-11	C.MEY 102/250V M 10 CD	2	C1*1,C2*1,	TDK	28
2002-A				R2032-1021-12	C.MEY 102/250V M 10 KX (MURATA)	0		MURATA	28

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ITEM	S	D	P	PARTNO	DESCRIPTION	QTY	LOCATION	MAKER	L/T
2002-B				R2032-1021-01	C.MEY 102/250V K 10 NS-A	0		MATSUSHITA	28
2003				R2032-2221-11	C.MEY 222/250V M 10 KX (MURATA	3	C3*1,C58*1,C59*1,	MURATA	28
2003-A				R2032-2221-13	C.MEY 222/250V M 10 CD (TDK)	0		TDK	28
2004				R2032-4721-11	C.MEY 472/250V M 10 KX (MURATA	1	C52*1,	MURATA	28
2004-A				R2032-4721-12	C.MEY 472/250V M 10 CD	0		TDK	28
2005				R2122-1558-1C	C.MEF 155 450V K 22.5 MDST	2	C5*1,C6*1,	NITSUKO	28
2005-A				R2122-1558-1D	C.MEF 155 450V K 22.5 MMX	0		NISSEI	28
2005-B				R2122-1558-1F	C.MEF 155 450V K 22.5 MMG	0		RUBYCON	28
2006				R2122-4746-82	C.MEF 474/450V K 10 MMX	1	C53*1,	NISSEI	28
2006-A				R2122-4748-1F	C.MEF 474 450V K 10 MMG	0		RUBYCON	28
2006-B				R2122-4748-1C	C.MEF 474 450V K 10 MDST	0		NITSUKO	28
2007				R2202-472K-22	C.DIS 472 1KV K 7.5 Y5P	1	C27*1,	PAN OVERSEAS	14
2007-A				R2202-472K-23	C.DIS 472 1KV K 7.5 (JYA-NAY)	0		JYA-NAY	14
2008				R2425-101B-9X	C.ELE 100uF 450V 25x25 HL2	2	C7*1,C8*1,	HITACHI	56
2008-A				R2425-101B-97	C.ELE 100uF 450V 25.4x25 LXQ	0		NCC	56
2009				R2442-1005-17	C.ELE 10uF 50V 5x11 KY (NCC)	2	C26*1,C65*1,	NCC	48
2009-A				R2442-1005-19	C.ELE 10uF 50V 5x11 LXZ (NCC)	0		NCC	48
2009-B				R2442-1005-14	C.ELE 10uF 50V 5x11 YXG	0		RUBYCON	48
2009-C				R2442-1005-18	C.ELE 10uF 50V 5x11 PW	0		NICHICON	48
2010				R2442-1014-33	C.ELE 100uF 35V 8x11.5 YXG	2	C38*1,C43*1,	RUBYCON	48
2010-A				R2442-1014-38	C.ELE 100uF 35V 8x11.5 PW	0		NICHICON	48
2011				R2442-1022-43	C.ELE 1000uF 16V 10x20 YXG	1	C45*1,	RUBYCON	48
2011-A				R2442-1022-47	C.ELE 1000uF 16V 10x20 KY (NCC)	0		NCC	48
2011-B				R2442-1022-4E	C.ELE 1000uF 16V 10x20 PW	0		NICHICON	48
2011-C				R2442-1022-4L	C.ELE 1000uF 16V 10x20 HD	0		Nichicon	48
2012				R2442-2205-17	C.ELE 22uF 50V 5x11 KY (NCC)	2	C28*1,C64*1,	NCC	48
2012-A				R2442-2205-13	C.ELE 22uF 50V 5x11 YXG	0		RUBYCON	48
2012-B				R2442-2205-14	C.ELE 22uF 50V 5x11.5 LXZ (NCC)	0		NCC	48

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ITEM	S	D	P	PARTNO	DESCRIPTION	QTY	LOCATION	MAKER	L/T
2012-C				R2442-2205-18	C.ELE 22uF 50V 5x11 PW	0		NICHICON	48
2013				R2442-2222-58	C.ELE 2200uF 16V 12.5x20 YXG	2	C37*1,C41*1,	RUBYCON	48
2013-A				R2442-2222-59	C.ELE 2200uF 16V 12.5x20 KY	0		NCC	48
2014				R2442-2224-68	C.ELE 2200uF 35V 16x25 PW	1	C32*1,	NICHICON	48
2014-A				R2442-2224-64	C.ELE 2200uF 35V 16x25 ZLH	0		RUBYCON	48
2014-B				R2442-2224-67	C.ELE 2200uF 35V 16x25 LXZ	0		NCC	48
2015				R2442-4705-22	C.ELE 47uF 50V 6.3x11 YXG	2	C21*1,C46*1,	RUBYCON	48
2015-A				R2442-4705-21	C.ELE 47uF 50V 6.3x11.5 LXZ	0		NCC	48
2015-B				R2442-4705-25	C.ELE 47uF 50V 6.3x11 KY	0		NCC	48
2015-C				R2442-4705-28	C.ELE 47uF 50V 6.3x11.5 PW	0		NICHICON	48
2016				R2331-101J-00	C.MON 101 50V J NPO 0805	2	C34*1,C54*1,	AVL	28
2017				R2331-102K-10	C.MON 102 200V K X7R 0805	3	C35*1,C39*1,C44*1,	AVL	28
2018				R2331-103K-00	C.MON 103 50V K X7R 0805	2	C29*1,C63*1,	AVL	28
2019				R2331-104K-00	C.MON 104 50V K X7R 0805	12	C16*1,C18*1,C19*1,C2 4*1,C25*1,C31*1,C47* 1,C49*1,C50*1,C51*1, C60*1,C61*1,	AVL	28
2020				R2331-105K-30	C.MON 105 16V K X7R 0805	2	C13*1,C15*1,	AVL	28
2021				R2331-152K-00	C.MON 152 50V K X7R 0805	1	C62*1,	AVL	28
2022				R2331-221J-00	C.MON 221 50V J NPO 0805	1	C42*1,	AVL	28
2023				R2331-222K-10	C.MON 222 200V K X7R 0805	3	C30*1,C48*1,C66*1,	AVL	28
2024				R2341-101J-80	C.MON 101 2KV J NPO 1206	2	C10*1,C57*1,	AVL	28
2025				R2341-472K-20	C.MON 472 1KV K X7R 1206	3	C9*1,C22*1,C17*1,	AVL	28
3001				R1042-1001-00	R.CF 1K 1/4W J	1	R78*1,	AVL	7
3002				R15A3-015B-00	R.NRW 0.15 2WS J	2	R29*1,R90*1,	AVL	7
3003				R15A3-024B-00	R.NRW 0.24 2WS J	1	R15*1,	AVL	7
3004				R15A3-033B-00	R.NRW 0.33 2WS J TAPING	1	R46*1,	AVL	7
3005				R1812-0026-01	R.TH NTC 1.5 M 15D 8A SCK-1R58	1	TR3*1,	THINKING	14

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ITEM	S	D	P	PARTNO	DESCRIPTION	QTY	LOCATION	MAKER	L/T
3006				R3610-6000-00	JUMPER 0.6 BT	14	J1x15*1,J2x15*1,J7x15*1,J9x15*1,J12x15*1,J3x10*1,J5x10*1,J6x10*1,J8x10*1,J10x10*1,J11x10*1,J13x10*1,J14x10*1,J25x10*1,	AVL	7
3007				R3610-8000-00	JUMPER 0.8	7	BC6x12.5*1,BC2x12.5*1,J18x10*1,J19x10*1,J21x10*1,J22x10*1,J23x15*1,	AVL	7
3008				R3625-C005-10	SHUNT 5x2 3mΩ±5%	1	R116*1,	AVL	7
3009				R1041-0000-00	R.CF 0 J 1206 SMD	9	J4*1,J15*1,J16*1,J20*1,R34*1,R37*1,R47*1,Z7*1,R133*1,	TA-I	14
3010				R1041-0100-00	R.CF 10 J 1206 SMD	4	R43*1,R56*1,R62*1,R77*1,	AVL	14
3011				R1041-0150-00	R.CF 15 J 1206 SMD	1	R11*1,	AVL	14
3012				R1041-0220-00	R.CF 22 J 1206 SMD	8	R13*1,R14*1,R66*1,R83*1,R84*1,R67*1,R105*1,R106*1,	AVL	14
3013				R1041-0270-00	R.CF 27 J 1206 SMD	4	R57*1,R58*1,R81*1,R82*1,	AVL	14
3014				R1041-0390-00	R.CF 39 J 1206 SMD	1	R113*1,	AVL	14
3015				R1041-039A-00	R.CF 3.9 J 1206 SMD	2	R87*1,R88*1,	AVL	14
3016				R1041-1000-00	R.CF 100 J 1206 SMD	2	R30*1,R115*1,	AVL	14
3017				R1041-1001-00	R.CF 1K J 1206 SMD	13	R31*1,R32*1,R49*1,R50*1,R63*1,R71*1,R73*1,R74*1,R94*1,R102*1	AVL	14

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ITEM	S	D	P	PARTNO	DESCRIPTION	QTY	LOCATION	MAKER	L/T
							,R108*1,R112*1,R130*1,		
3018				R1041-1002-00	R.CF 10K J 1206 SMD	6	R36*1,R55*1,R64*1,R75*1,R76*1,R107*1,	AVL	14
3019				R1041-1003-00	R.CF 100K J 1206 SMD	11	R38*1,R39*1,R40*1,R41*1,R44*1,R45*1,R85*1,R86*1,R21*1,R22*1,R91*1,	AVL	14
3020				R1041-1004-00	R.CF 1M J 1206 SMD	8	R7*1,R8*1,R18*1,R19*1,R24*1,R25*1,R27*1,R28*1,	AVL	14
3021				R1041-1301-00	R.CF 1.3K J 1206 SMD	1	R59*1,	AVL	14
3022				R1041-1602-00	R.CF 16K J 1206 SMD	1	R60*1,	AVL	14
3023				R1041-2200-00	R.CF 220 J 1206 SMD	1	R48*1,	AVL	14
3024				R1041-2201-00	R.CF 2.2K J 1206 SMD	1	R61*1,	AVL	14
3025				R1041-2202-00	R.CF 22K J 1206 SMD	1	R9*1,	AVL	14
3026				R1041-2403-00	R.CF 240K J 1206 SMD	1	R17*1,	AVL	14
3027				R1041-2701-00	R.CF 2.7K J 1206 SMD	1	R12*1,	AVL	14
3028				R1041-3002-00	R.CF 30K J 1206 SMD	2	R33*1,R51*1,	AVL	14
3029				R1041-3301-00	R.CF 3.3K J 1206 SMD	1	R54*1,	AVL	14
3030				R1041-4700-00	R.CF 470 J 1206 SMD	1	R95*1,	AVL	14
3031				R1041-4702-00	R.CF 47K J 1206 SMD	1	R42*1,	AVL	14
3032				R1041-5103-00	R.CF 510K J 1206 SMD	3	R52*1,R53*1,R134*1,	AVL	14
3033				R1041-6203-00	R.CF 620K J 1206 SMD	1	R20*1,	AVL	14
3034				R1041-6802-00	R.CF 68K J 1206 SMD	1	R10*1,	AVL	14
3035				R1041-9100-00	R.CF 910 J 1206 SMD	3	R118*1,R119*1,R126*1,	AVL	14
3036				R1141-1001-00	R.CF 1K F 1206 SMD	1	R110*1,	AVL	14
3037				R1141-1002-00	R.CF 10K F 1206 SMD	1	R131*1,	AVL	14

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ITEM	S	D	P	PARTNO	DESCRIPTION	QTY	LOCATION	MAKER	L/T
3038				R1141-1021-00	R.CF 1.02K F 1206 SMD	1	R68*1,	AVL	14
3039				R1141-1072-00	R.CF 10.7K F 1206 SMD	1	R89*1,	AVL	14
3040				R1141-1502-00	R.CF 15K F 1206 SMD	1	R16*1,	AVL	14
3041				R1141-3301-00	R.CF 3.3K F 1206 SMD	1	R35*1,	AVL	14
3042				R1141-3323-00	R.CF 332K F 1206 SMD	3	R4*1,R5*1,R6*1,	AVL	14
3043				R1141-3921-00	R.CF 3.92K F 1206 SMD	1	R72*1,	AVL	14
3044				R1141-4020-00	R.CF 402 F 1206 SMD	1	R132*1,	AVL	14
3045				R1141-4701-00	R.CF 4.7K F 1206 SMD	5	R120*1,R121*1,R122*1 ,R123*1,R124*1,	AVL	14
3046				R1141-4993-00	R.CF 499K F 1206 SMD	3	R1*1,R2*1,R3*1,	AVL	14
3047				R1141-5101-00	R.CF 5.1K F 1206 SMD	4	R70*1,R79*1,R80*1,R1 09*1,	AVL	14
3048				R1141-5621-00	R.CF 5.62K F 1206 SMD	1	R69*1,	AVL	14
4001				R5012-0316-00	CHOKE PQ3225	1	T5*1,	AVL	10
4002				R5012-0405-00	CHOKE PQ3225 SP04C-029LF	1	T1*1,	AVL	10
4003				R5022-0001-01	CHOKE R5x20 4.65uH±20%	1	L2*1,	LSE	0
4004				R5022-0009-01	CHOKE T50-26 50uH	1	L4*1,	AVL	0
4005				R5032-0003-01	CHOKE DR6x8 4.4uH±10%	1	L3*1,	LSE	0
4006				R5042-0063-00	CHOKE TR22x14x10 SP03C-034LF	1	LF2*1,	AVL	0
4007				R5042-0066-00	CHOKE T90-26 220uH SP03C-038LF	1	L1*1,	AVL	0
4008				R5042-0067-00	CHOKE T22x14x10 SP03C-044LF	1	LF1*1,	AVL	0
4009				R5052-0005-00	BEAD CORE 3.5x3x0.8-T	4	BC7*1,BC8*1,L5*1,L6 *1,	AVL	10
4010				R5052-0006-00	BEAD CORE T 3.5x3x1.5	7	D2*1,D4*1,D5*1,D8*1, D9*1,D10*1,C52(2nd) *1,	AVL	10
4011				R5052-0009-00	BEAD CORE 3.5x8x0.8-T52	4	BC1*1,BC4*1,BC5*1,J1 7*1,	AVL	10

RD BILL OF MATERIALS

ITEM	S	D	P	PARTNO	DESCRIPTION	QTY	LOCATION	MAKER	L/T
4012				R5105-0316-01	XFMR EE1614 0316D05267	1	T3*1,	AVL	0
4013				R5112-0316-01	XFMR PQ3019	1	T4*1,	AVL	0
4014				R5124-0316-01	XFMR DS4025	1	T2*1,	AVL	0
6001				R3122-0023-00	BREAKAWAY PHSS 5P3C 7.92 BT	1	CN1*1,	AVL	7
6002				R3122-0094-03	BREAKAWAY PHSS 14P 2.5 BT	1	CN4*1,	JWT	7
6003				R3122-0095-03	BREAKAWAY PHSS 12P 2.0 BT	2	CN2*1,CN3*1,	JWT	7
6004				R3426-4002-22	FUSE 4A 250V 5x20 CSB 215	1	F1*1,	LITTLE	10
6004-A				R3426-4002-2A	FUSE 4A 250V 5x20 CSB TSC	0		WALTER	10
6005				R0802-0316-030	PCB CEM-1 250x122x1.6 0/2 0.3	1	PCB*1,	AVL	0
7001				R4000-0267-10	HEAT SINK 42x42x27x4 AL	1	HS1*1,	AVL	0
7002				R4000-0268-10	HEAT SINK 74x32x27x4 AL	1	HS2*1,	AVL	0
7003				R4000-0269-10	HEAT SINK 122x32x32x27x4 AL	1	HS3*1,	AVL	0
7004				R4000-0270-10	HEAT SINK 123.4x69x69x27x4 AL	1	HS4*1,	AVL	0
7005				R4000-0271-00	HEAT SINK 40x37x15x1.5 AL	2	HS5(T1 TOP*1,HS6(T5 TOP*1,	AVL	0
7006				R4130-0006-03	FUSE CLIP CQ-203S FOR 5x20mm F	2	F1*2,	CONQUER	7
7007				R4190-0001-00	GND PAD ID:4.2 OD:8	3	PCB*3,	AVL	0
7008				R4210-0008-00	CASE-BTM 250x150x35x3 AL	1	HS7*1,	AVL	0
7009				R4320-0001-00	SCREW+M 3x8 RH NI	1	BD1*1,	AVL	7
7010				R4329-0001-00	NUT+W 3 NI	13	D1*1,Q1*1,Q7*1,Q4*1, Q13*1,Q12*1,D12*1,D1 3*1,D14*1,Q11*1,HS4/ HS7*2,D11*1,	AVL	7
7011				R432B-0001-00	SCREW+M 3x6 TH	5	PCB BASE*5,	AVL	7
7012				R432C-0002-00	SCREW+M #2 100° 3x8 TF NI	2	HS5/HS7*2,	AVL	7
7013				R432C-0003-00	SCREW+M #2 100° 3x10 TF NI	2	HS6/4/7*2,	AVL	7
7014				R432C-0004-00	SCREW+M #2 100° 3x12 TF NI	11	D1*1,Q7*1,Q13*1,Q12* 1,Q11*1,D11*1,D12*1,	AVL	7

RD BILL OF MATERIALS

ITEM	S	D	P	PARTNO	DESCRIPTION	QTY	LOCATION	MAKER	L/T
							D13*1,D14*1,HS4/HS7* *2,		
7015				R432C-0005-00	SCREW+M #2 100° 3x14 TF NI	2	Q1*1,Q4*1,	AVL	7
8001				R7000-0002-01	SHAPE PLATE 430x360	1	OUT-CTN*1,	AVL	7
8002				R7010-0071-00	SHAPE PLATE 433x365x44	1	OUT-CTN*1,	AVL	7
8003				R7030-0022-00	OUT-CTN 436x366x213x7	1	OUT-CTN*1,	AVL	7
8004				R7130-0019-00	BUBBLE BAG 310x200	1	BAG*1,	AVL	7
8006				R7391-0003-00	LBL-BAR 25x6.0	1	HS6(T5)*1,	AVL	7
8007				R7391-0007-00	LBL-BAR 16x6.0	1	C4*1,	AVL	7
8008				R73D8-0316-12	LBL-ID S/L 57x24 0316D05275	1	HS7*1,	AVL	7
9001				R6110-0009-00	ISL-SHEET 25x19x0.15 3.2D	2	Q1*1,Q4*1,	AVL	7
9002				R6110-0316-00	ISL-SHEET 37x19x0.15 3.8D	1	D13/14/Q11*1,	AVL	7
9003				R6111-0316-00	ISL-SHEET 25x19x0.15 3.8D	1	Q13/Q12*1,	AVL	7
9004				R6130-0054-00	ISL-SHEET 250x122.9x32x32x0.43	1	MYLAR1*1,	AVL	7
9005				R6150-0024-00	ISL-SHEET 30x20x1 RB B	2	T1*1,T5*1,	AVL	7
9006				R6190-0002-01	ISL-CAP 6.1x1.4 NY	5	D13*1,Q12*1,Q13*1,Q1 1*1,D14*1,	AVL	7
9007				R640Y-0003-40	POLY TAPE 45mm	1	HS5x100*1,	AVL	7
9008				R8105-0001-00	H.S.PASTE	5	REF.SAI*5,	AVL	7
9009				R8109-0001-02	SILICON GLUE 3165	8	REF.SAI*8,	DOW CORNING	7
9009-A				R8109-0001-03	SILICON GLUE TSE-3854D-G	0		TOSHIBA	7
9009-B				R8109-0001-01	SILICON GLUE 9132.513	0		WACKER	7
9010				S8101-0001-01	SCREW GLUE BB-2100	14	REF.SAI*14,	WACKER	7