

# Service Manual

**Model: RSA27**

REALTIME ANALYZRE



[www.altoproaudio.com](http://www.altoproaudio.com)

Version: 1.1

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## 1. Specification

# RSA27 SPECIFICATIONS

PHANTOM

SUPPLY +48V

INPUT GAIN

MIC(10~60DB GAIN)/LINE(-12~+12DB GAIN)

PINK NOICE

OFF TO 0dBu

FREQUENCY RESPONSE

10HZ TO 50KHZ:+0/-2dB

DISTORTION

MIC-> MAIN OUT

<0.01% /-30dBu/30dB GAIN

LINE-> MAIN OUT

<0.009% /0dBu/

S/N ratio

83dBu

INPUT LEVEL(MAX)

MIC IN

+14.8dBu

LINE IN

+23dBu

OUTPUT LEVEL(MAX)

MAIN OUT BAL

+22dbu

REAL TIME ANALYZER

27 BANDS ( 40HZ~16KHZ )

7-DIGIT LED FOR EACH BAND

FILTERS

1/3 OCTAVE

RANGE

±3dB/±6dB

POWER SUPPLY

MAINS VOLTAGE

U.S./CANADA 120V~,60HZ

U.K./AUSTRALIA 240V~,50HZ

EUROPE 230V~,50HZ

POWER CONSUMPTION

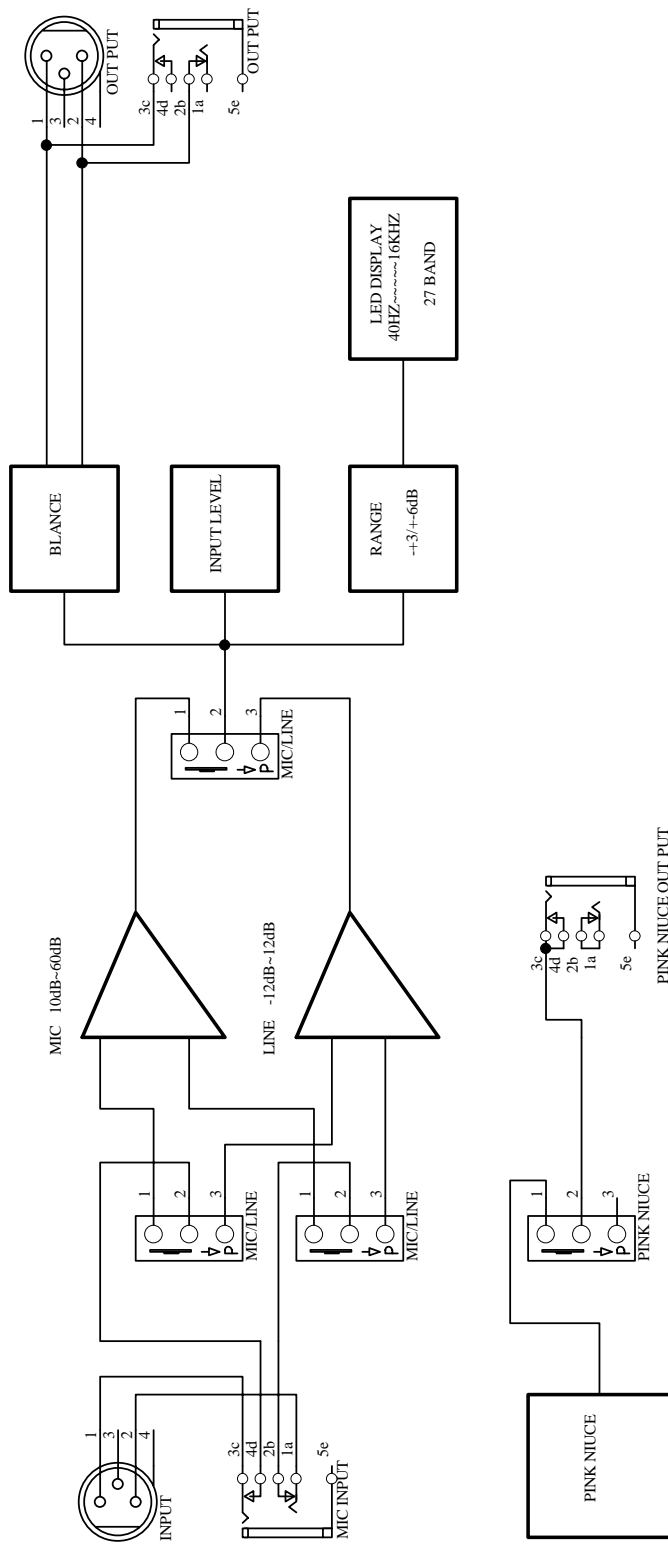
21W MAX

FUSE

100-120V:315mA

200-240V:250mA

# BLACK CHART



Title

Size  
A4

Number

Revision

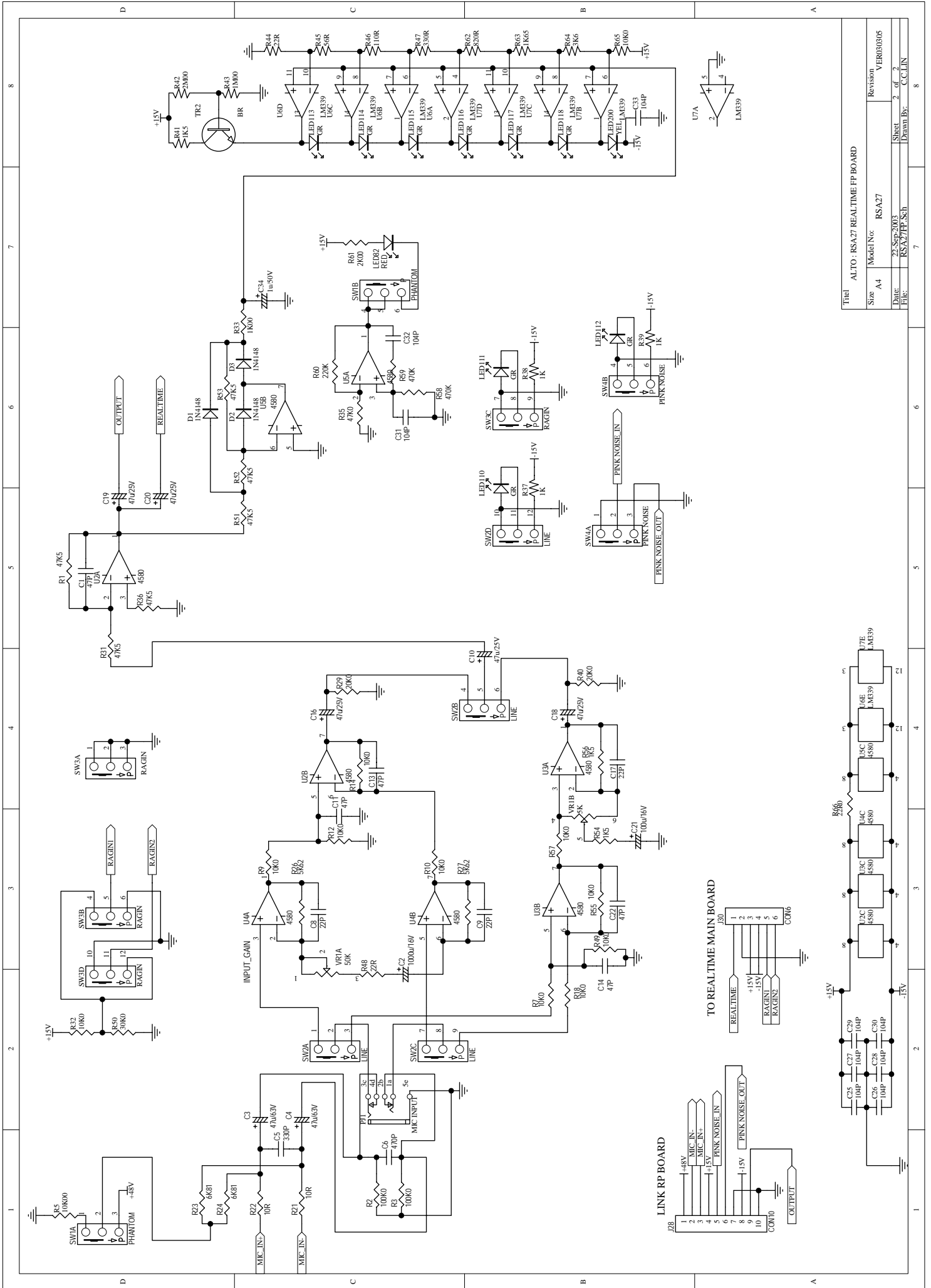
Date: 22-Oct-2004

File: D:\ALFOR\RSA27\RSA27.Dtb

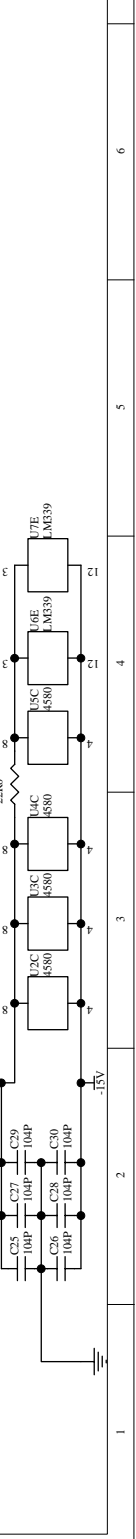
Sheet of

Drawn By:

# 3. Schematic Diagram

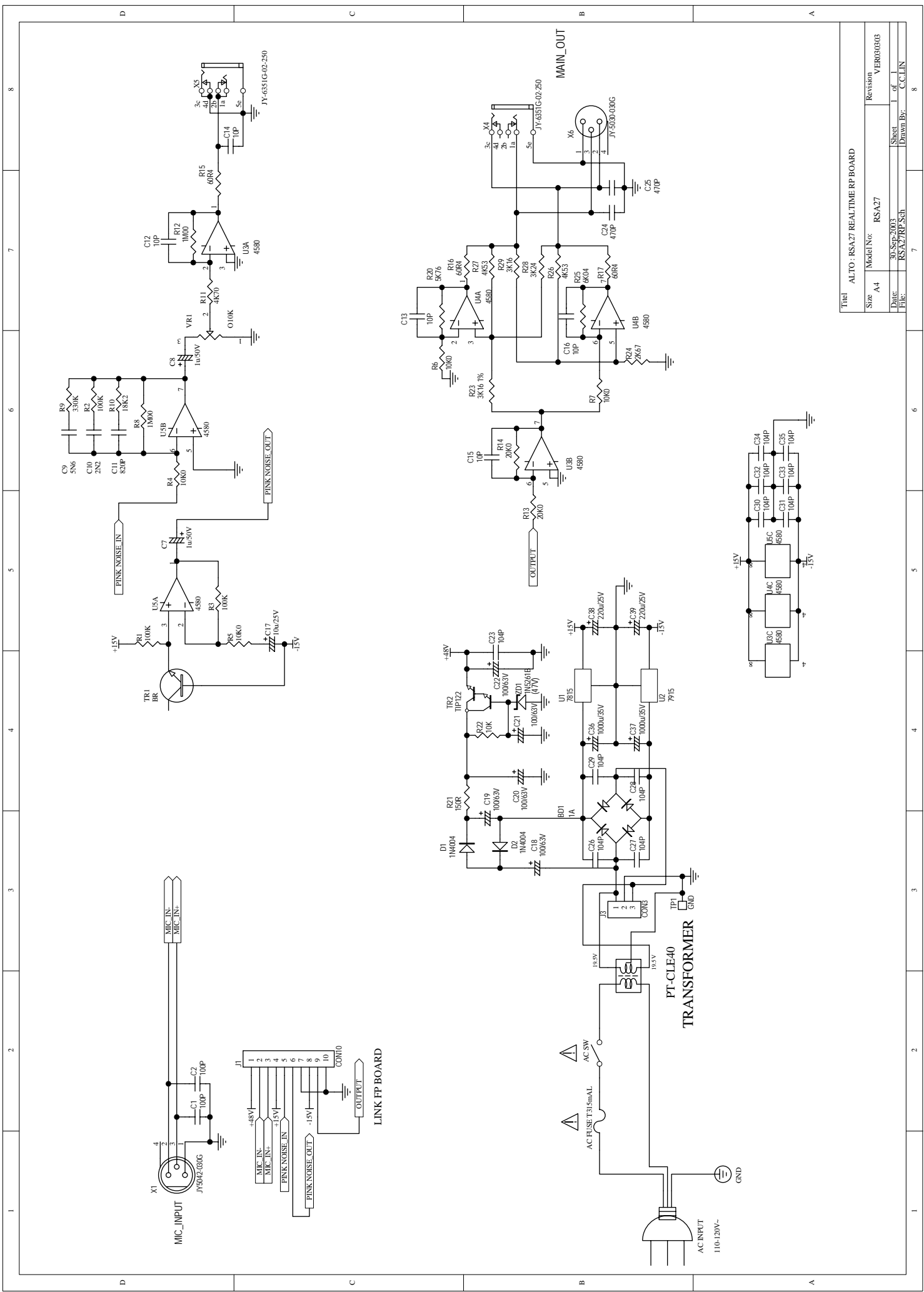


Title		ALTO - RSA27 REALTIME FP BOARD	
Size	A4	Model No.	RSA27
Date	22-Sep-2003	Revision	VER030305
File	RSA27FP.Sch	Sheet	2 of 2
		Drawn By:	CCLIN



TO REALTIME MAIN BOARD

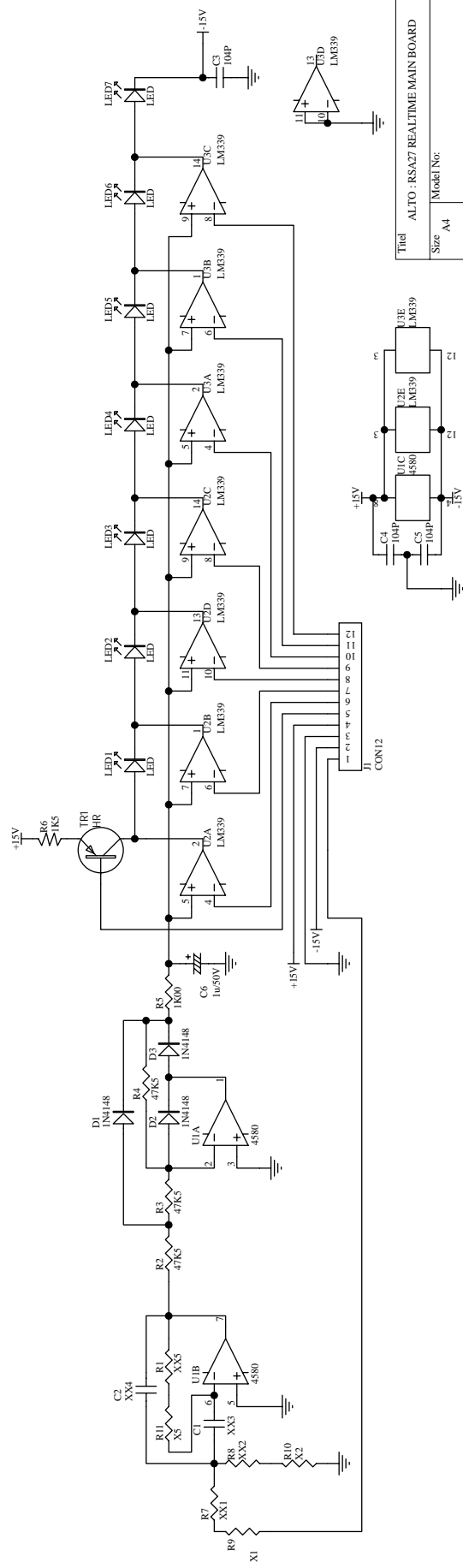
LINK RP BOARD



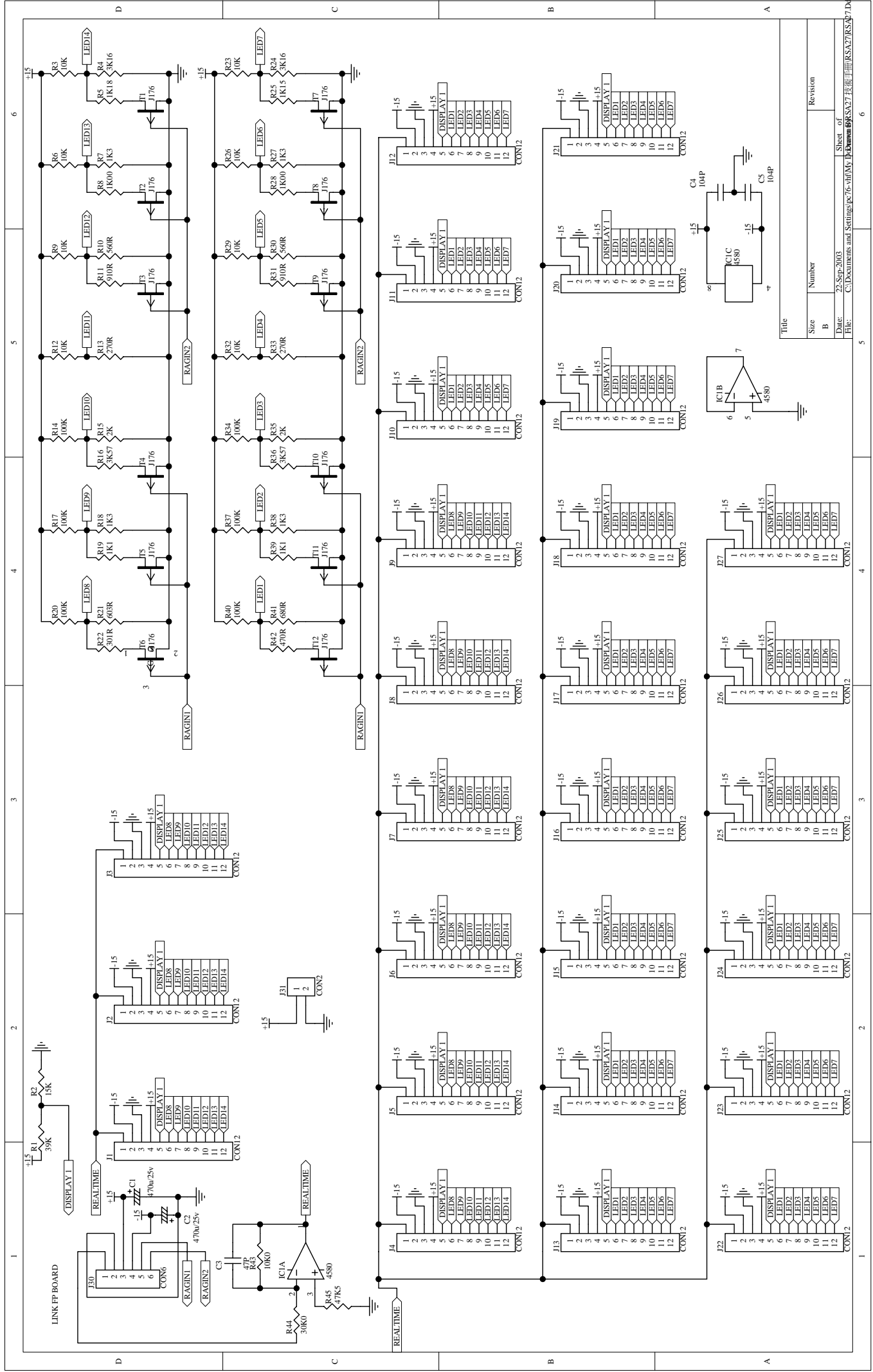
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Size	A4	Model No:	RSA27
Date:	30-Sep-2003	Revision:	VER030303
File:	RS27/RF_Sch	Sheet:	1 of 1
		Drawn By:	CCLIN

Title			
ALTO : RSA27 REALTIME RP BOARD			
Size	A4	Model No:	RSA27
Date:	30-Sep-2003	Revision:	VER030303
File:	RS27/RF_Sch	Sheet:	1 of 1
		Drawn By:	CCLIN

	XX1	X1	XX2	X2	XX5	X5	XX3	XX4
RSA27DIS40	68K1	0R	4K22	0R	301K	78K7	154P	154P
RSA27DIS50	39K2	0R	3K32	0R	200K	68K1	154P	154P
RSA27DIS63	51K1	0R	1K3	475R	301K	825R	104P	104P
RSA27DIS80	15K	0R	2K21	3K16	90K9	0R	104P	104P
RSA27DIS100	20K	0R	1.1K	806R	68K1	0R	104P	104P
RSA27DIS125	20K	0R	1K50	0R	100K	20K	104P	104P
RSA27DIS160	18K	0R	1K3	0R	93K1	2K2	104P	104P
RSA27DIS200	15K	0R	806R	51.1R	78K7	0R	104P	104P
RSA27DIS250	28K	1.1K	2K2	0R	187K	0R	333P	333P
RSA27DIS315	20K	0R	1K65	0R	130K	0R	333P	333P
RSA27DIS400	18K2	0R	1K18	0R	105K	10K	333P	333P
RSA27DIS500	11K	0R	1K00	0R	90K9	0R	333P	333P
RSA27DIS630	11K	0R	825R	22R	68K1	5K11	333P	333P
RSA27DIS800	8K06	0R	619R	0R	57K6	0R	333P	333P
RSA27DIS1K	6K34	0R	511R	0R	42K2	0R	333P	333P
RSA27DIS1.25K	5K62	0R	402R	22R	39K2	0R	333P	333P
RSA27DIS1.6K	4K02	0R	330R	0R	28K	0R	333P	333P
RSA27DIS2K	3K32	0R	243R	0R	24K9	0R	333P	333P
RSA27DIS2.5K	30K1	0R	1K15	1K	130K	52K3	332P	332P
RSA27DIS3.15K	20K	0R	1K65	0R	105K	39K2	332P	332P
RSA27DIS4K	18K2	0R	1K50	0R	105K	10K	332P	332P
RSA27DIS5K	11K	0R	1K00	0R	90K9	0R	332P	332P
RSA27DIS6.3K	11K	0R	806R	47R	68K1	4K99	332P	332P
RSA27DIS8K	8K06	0R	619R	0R	57K6	0R	332P	332P
RSA27DIS10K	6K34	0R	511R	0R	44K2	0R	332P	332P
RSA27DIS12.5K	5K62	0R	121R	301R	37K4	0R	332P	332P
RSA27DIS16K	4K02	0R	330R	0R	28K0	0R	332P	332P



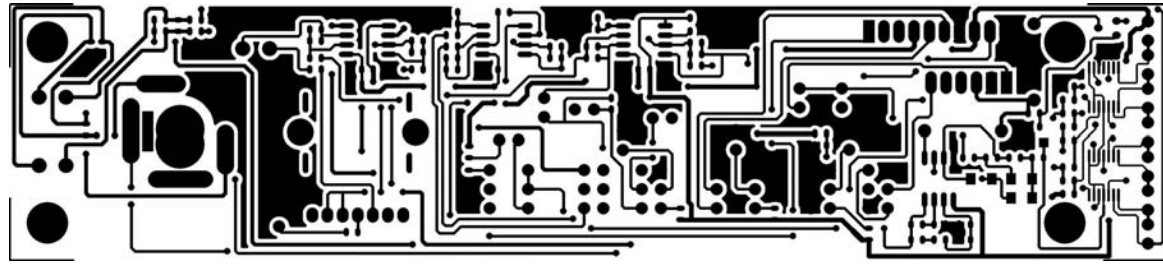
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Model No.	
Size	A4
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File:	RSA27DIS.Sch
Sheet	of
Drawn By:	C.C.LIN
Revision	



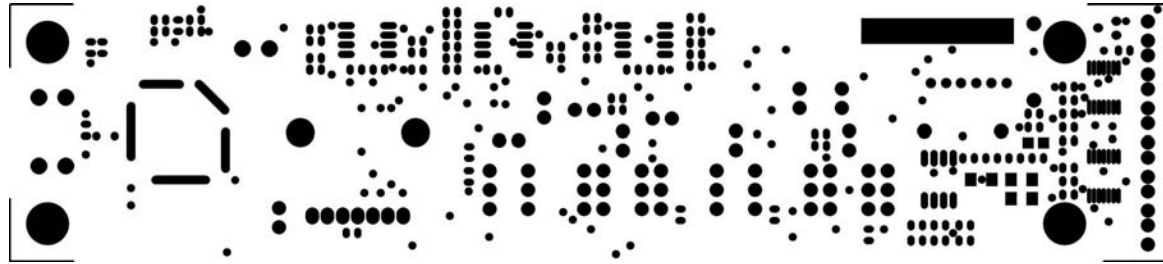
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6	



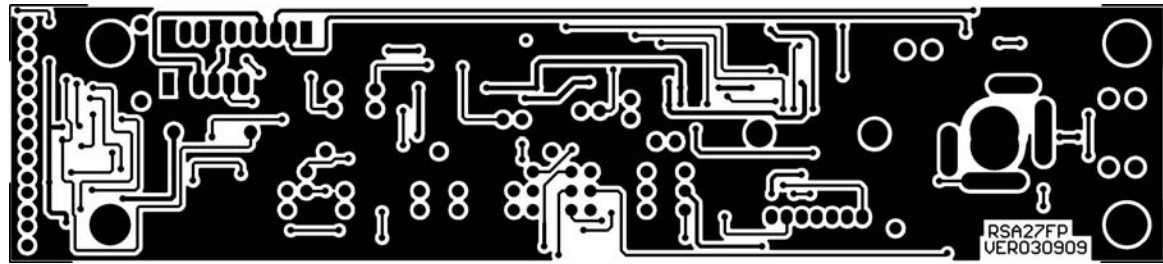
# 4.PRINTED CIRCUIT BOARD



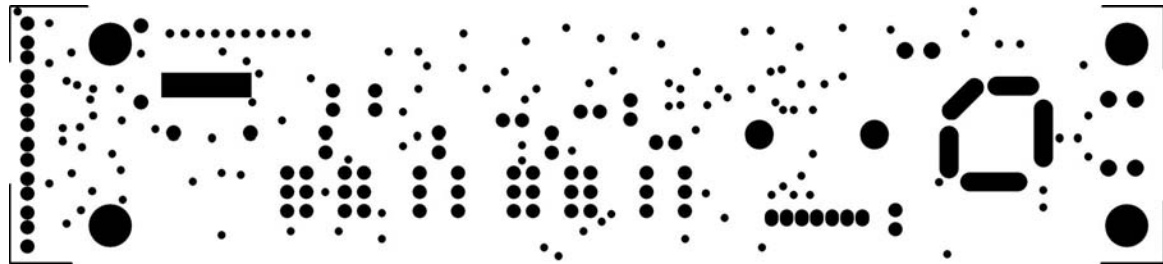
PCB:RSA27FP TOP LAYER



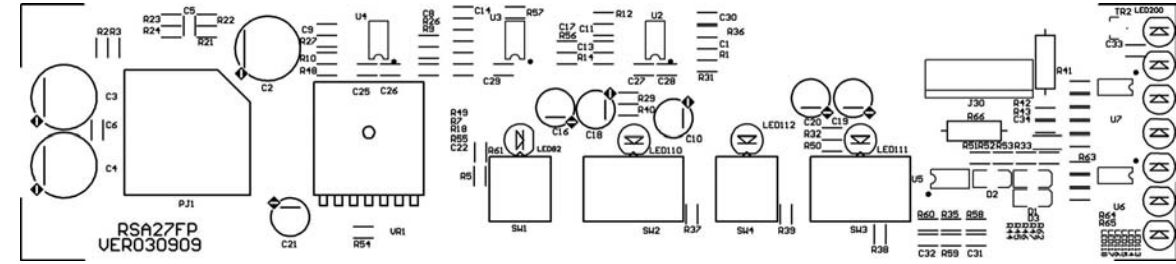
PCB:RSA27FP TOP SOLDER MASK



PCB:RSA27FP BOTTOM LAYER



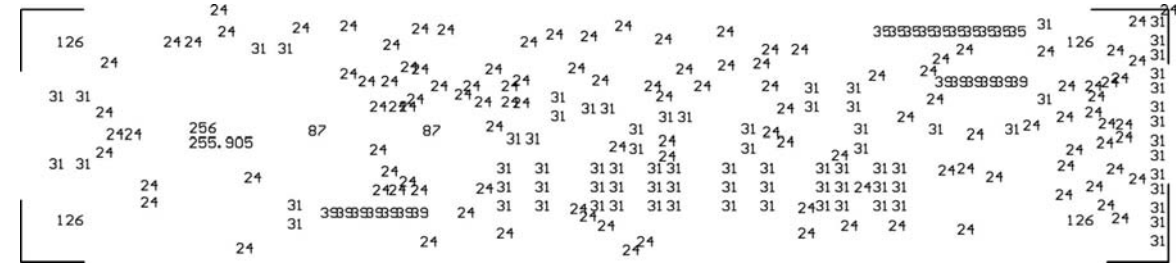
PCB:RSA27FP BOTTOM SOLDER MASK



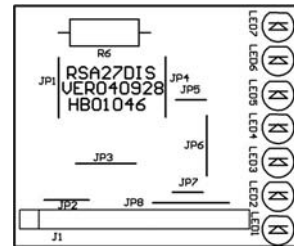
PCB:RSA27FP TOP OVERLAY



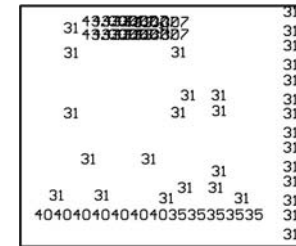
PCB:RSA27FP BOTTOM OVERLAY



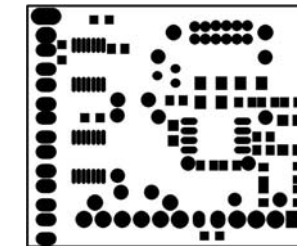
PCB:RSA27FP DRILL DRAWING PLOTS



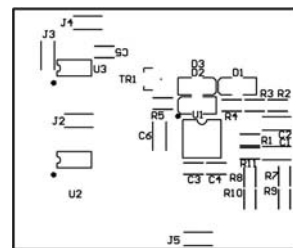
PCB:RSA27DIS TOP OVERLAY



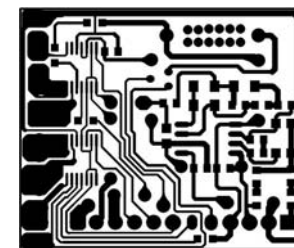
PCB:RSA27DIS DRILL DRAWING PLOTS



PCB:RSA27DIS BOTTOM SOLDER MASK



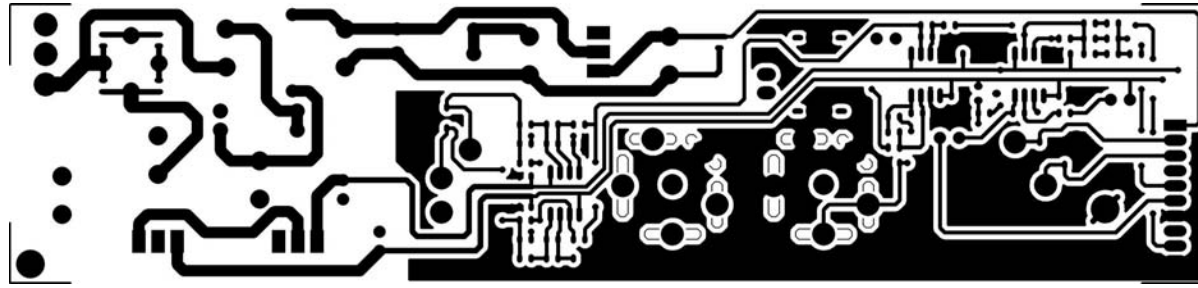
PCB:RSA27DIS BOTTOM OVERLAY



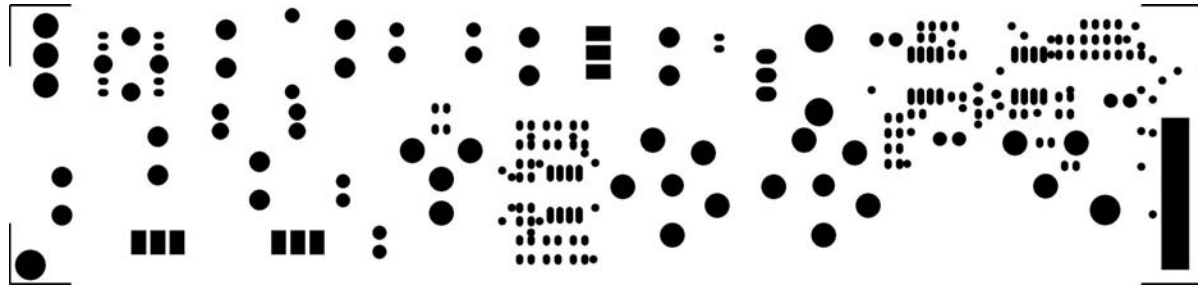
PCB:RSA27DIS BOTTOM LAYER

Tool	Hole Size	Hole Count Plated	Tool Travel
T1	24mil (0.6096mm)	117	40.60 Inch (1031.13 mm)
T2	31mil (0.7874mm)	80	27.61 Inch (701.22 mm)
T3	35mil (0.889mm)	10	12.21 Inch (310.06 mm)
T4	39mil (0.9906mm)	13	15.73 Inch (399.63 mm)
T5	87mil (2.2098mm)	2	9.33 Inch (237.10 mm)
T6	126mil (3.2004mm)	4	19.14 Inch (486.22 mm)
T7	256mil (6.5024mm)	2	NPTH 8.28 Inch (210.35 mm)
Totals		228	132.90 Inch (3375.71 mm)

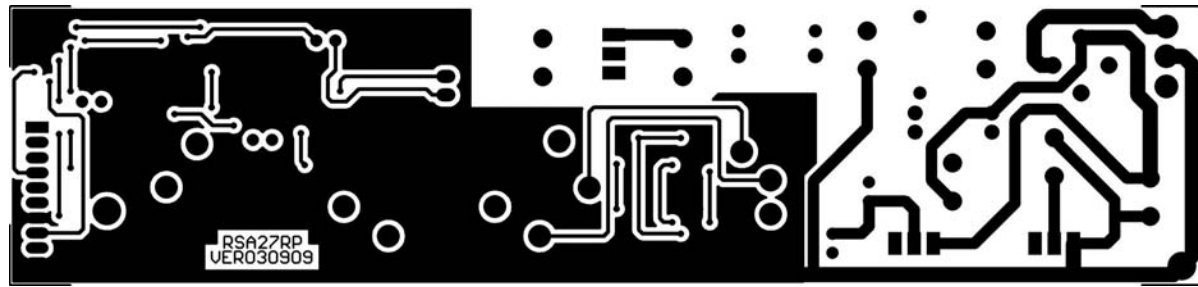
Tool	Hole Size	Hole Count Plated	Tool Travel
T1	31mil (0.7874mm)	32	25.55 Inch (648.95 mm)
T2	35mil (0.889mm)	5	20.85 Inch (529.71 mm)
T3	40mil (1.016mm)	7	20.37 Inch (517.45 mm)
T4	43mil (1.0922mm)	12	20.86 Inch (529.80 mm)
Totals		56	87.63 Inch (2225.91 mm)



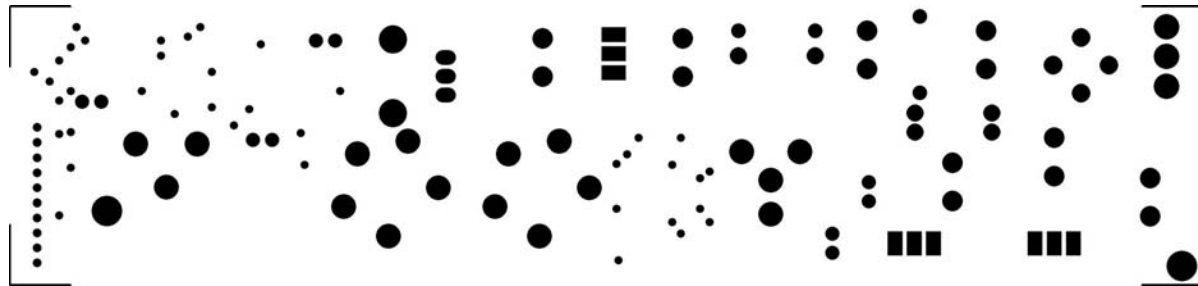
PCB:RSA27RP TOP LAYER



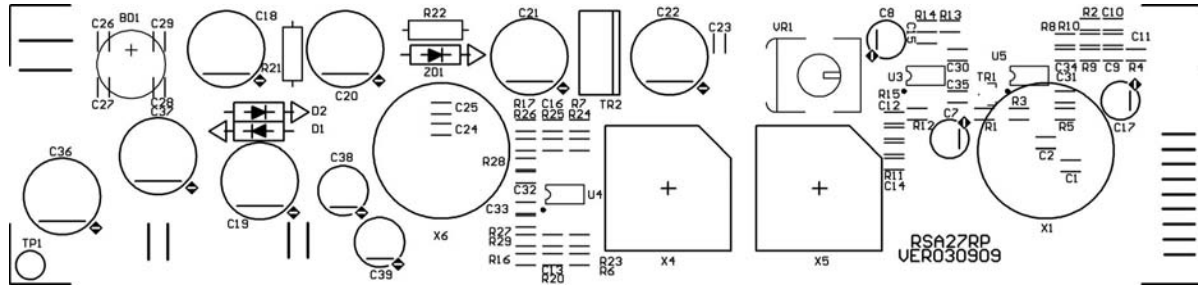
PCB:RSA27RP TOP SOLDER MASK



PCB:RSA27RP BOTTOM LAYER



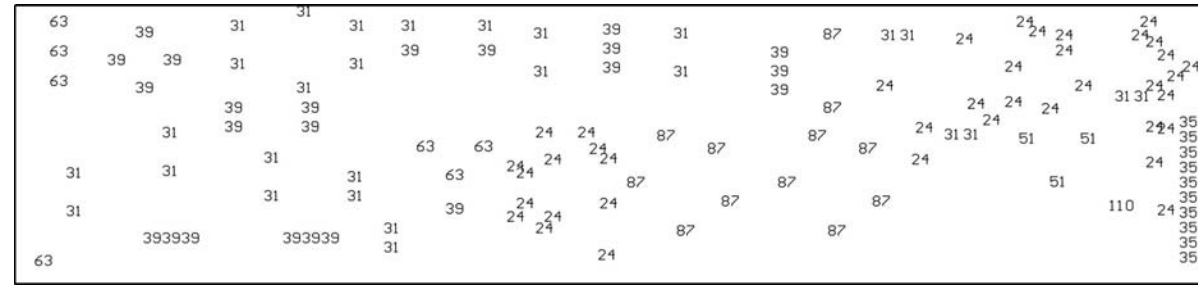
PCB:RSA27RP BOTTOM SOLDER MASK



PCB:RSA27RP TOP OVERLAY

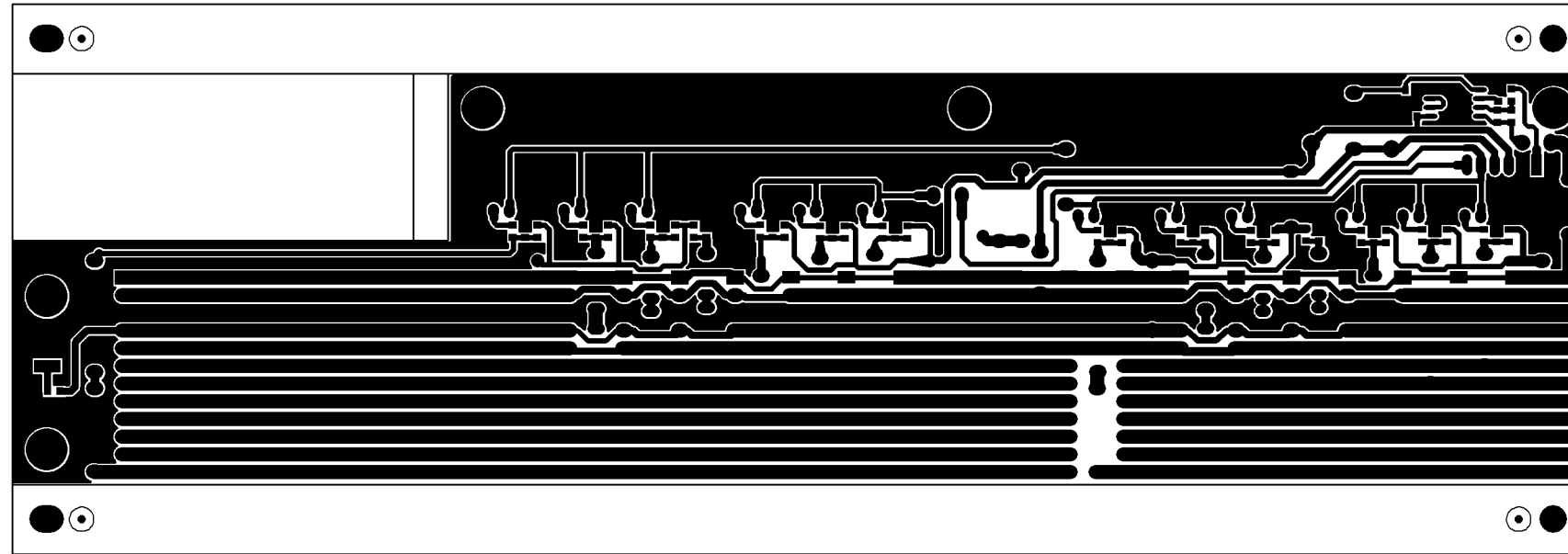


PCB:RSA27RP BOTTOM OVERLAY

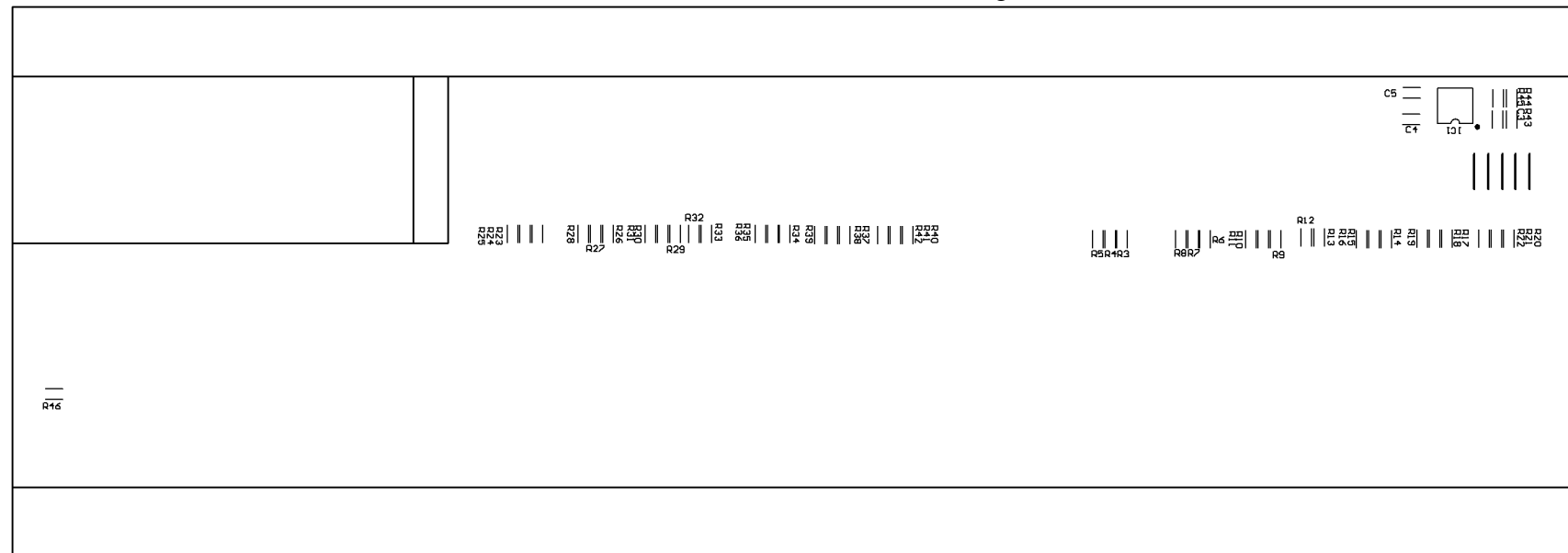


PCB:RSA27RP DRILL DRAWING PLOTS

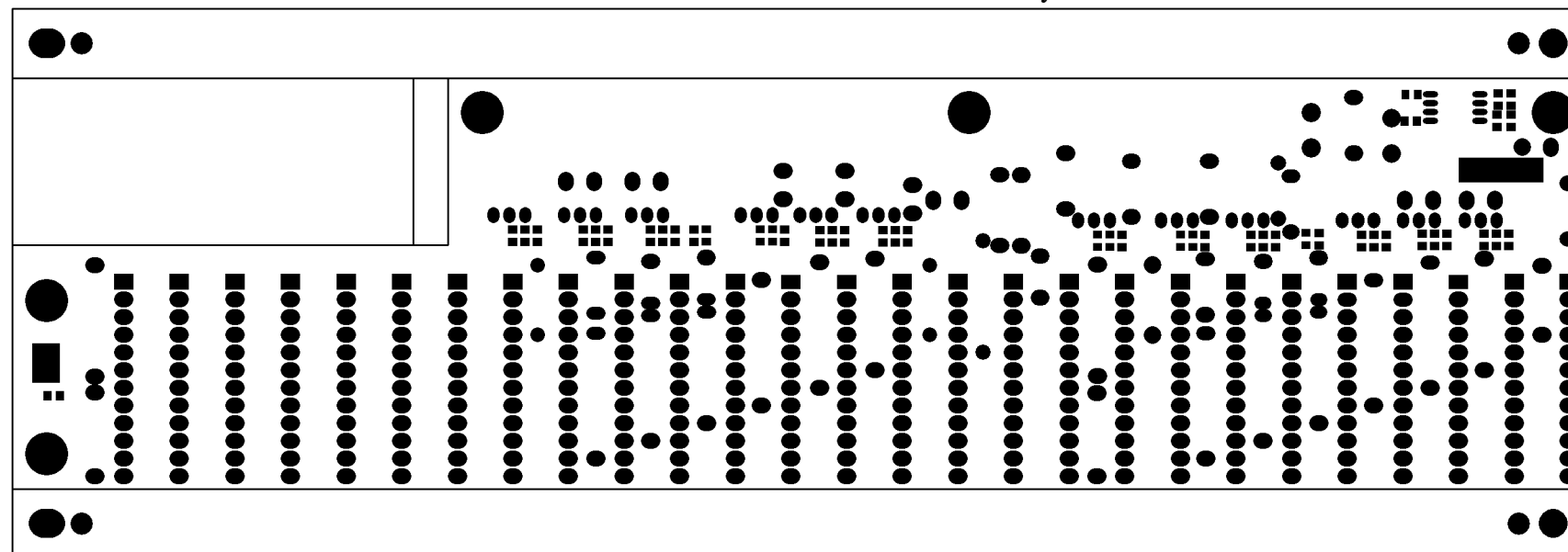
Tool	Hole Size	Hole Count Plated	Tool Travel
T1	24mil (0.6096mm)	39	16.91 Inch (429.50 mm)
T2	31mil (0.7874mm)	28	18.50 Inch (469.99 mm)
T3	35mil (0.889mm)	10	9.74 Inch (247.43 mm)
T4	39mil (0.9906mm)	23	12.02 Inch (305.31 mm)
T5	51mil (1.2954mm)	3	9.03 Inch (229.40 mm)
T6	63mil (1.6002mm)	7	8.28 Inch (210.41 mm)
T7	87mil (2.2098mm)	12	10.50 Inch (266.71 mm)
T8	110mil (2.794mm)	1	8.72 Inch (221.40 mm)
Totals		123	93.71 Inch (2380.16 mm)



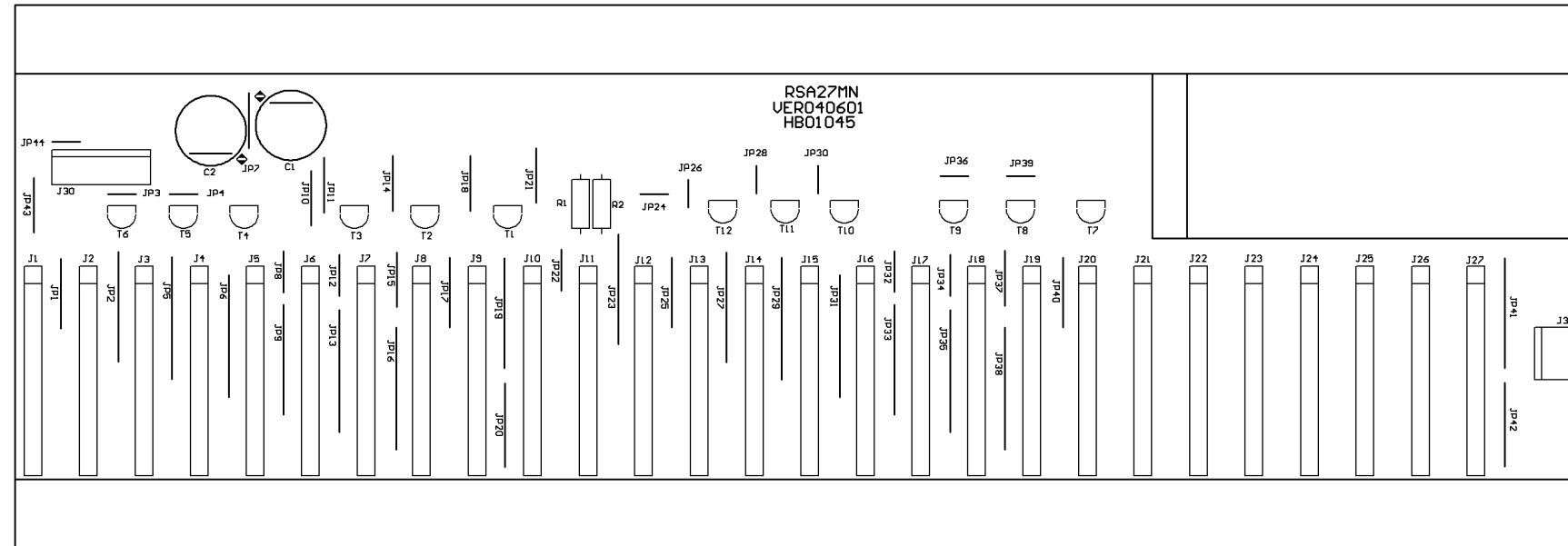
PCB : RSA27MN Drill Drawing



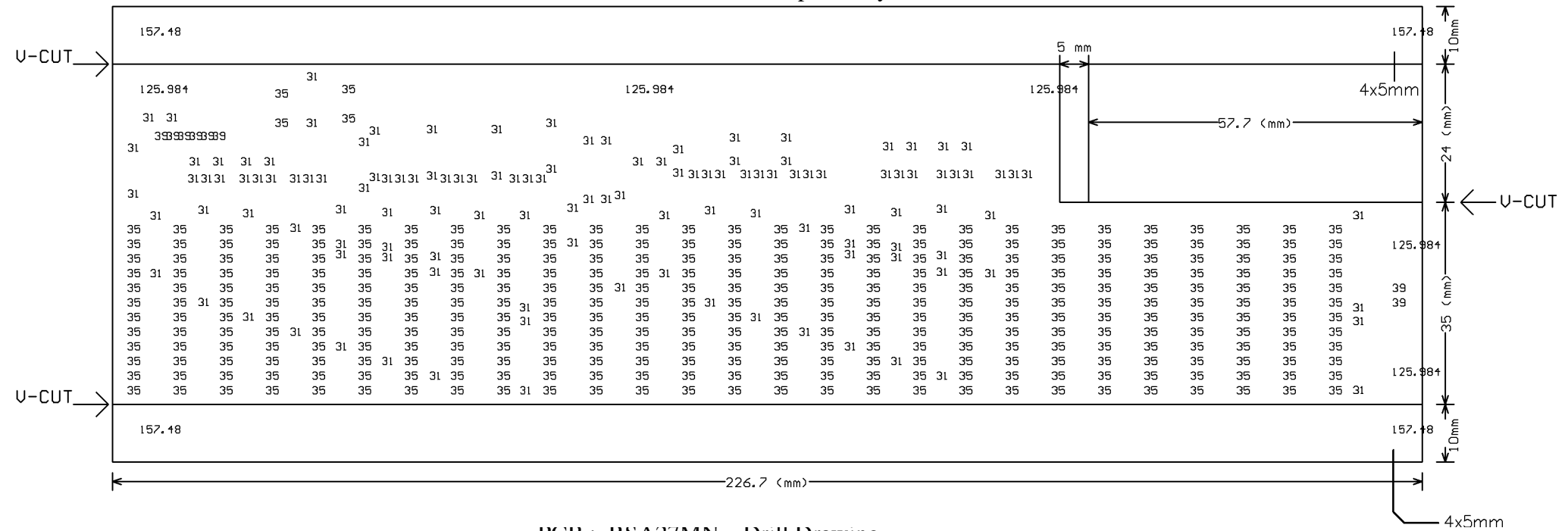
PCB : RSA27MN Bottom overlay



PCB : RSA27MN Bottom Solder Mask



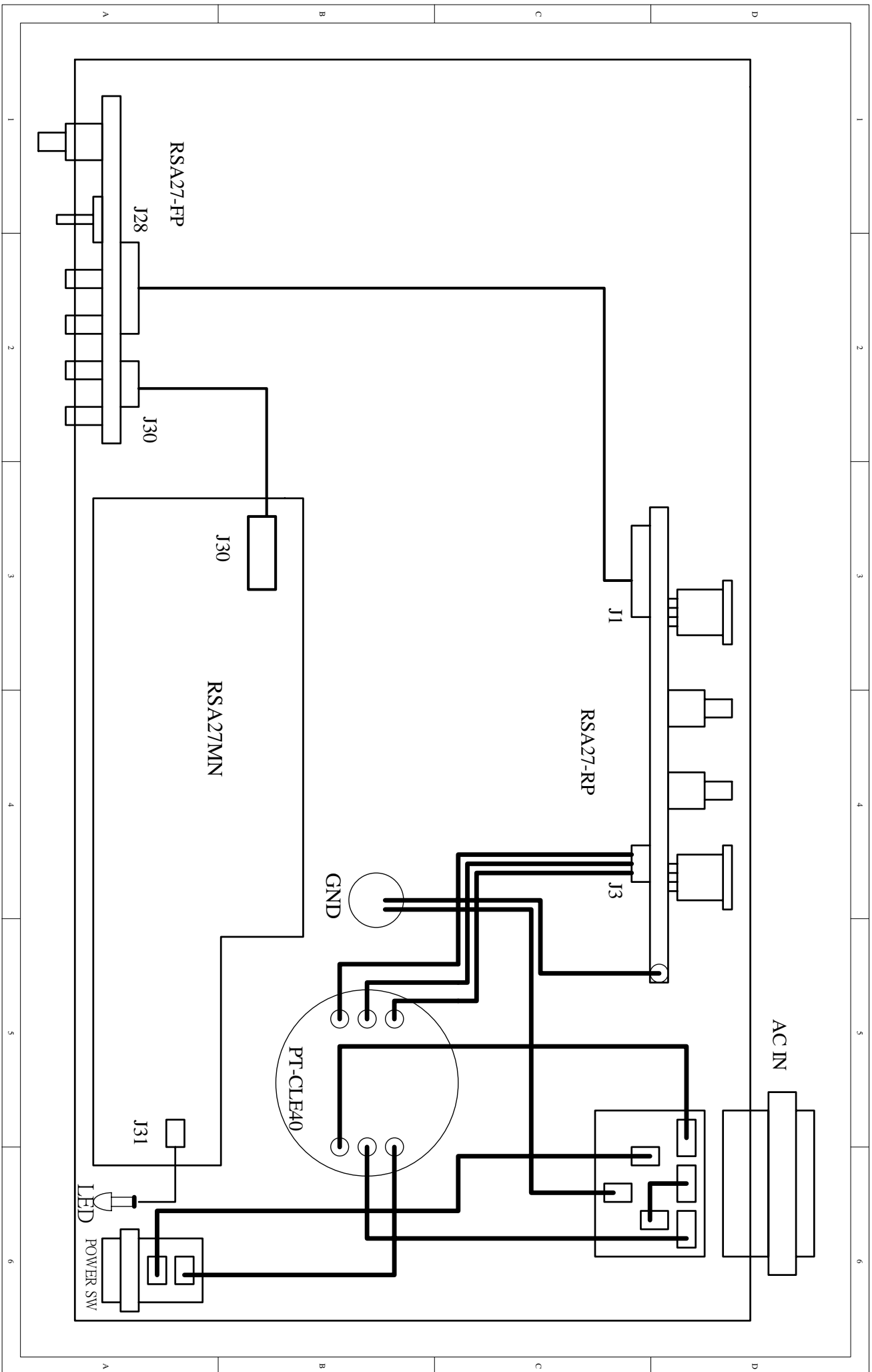
PCB : RSA27MN Top overlay



PCB : RSA27MN Drill Drawing

Tool	Hole Size	Hole Count Plated
T1	31mil (0.7874mm)	128
T2	35mil (0.889mm)	328
T3	39mil (0.9906mm)	8
T4	126mil (3.2004mm)	5
T5	157mil (3.9878mm)	4
Totals		473

# 5. Wiring Diagram



# 7. Electrical Parts List

SEKAKU ELECTRON INDUSTRY (H.K.) CO.,LTD

Multi-Level BOM Structure Listing

Report No.: IEBO\_P02  
Prepared by: 030002[陳建勳]

Date: 2004/10/22  
Page No.: 1 / 78

Item No.: PF01293      Version:      UNIT: PCS  
DESCRIPTION: RSA 27      Date: 2003/10/03  
RSA 27 ALTO 230V

Version	Item No	Loss %	Ver.	Unit	Cardinal	Effective Date
Component Remark	Item Descri				Usage Rate	@:Phantom Layer
					Attrition	Rate
0001	HA00861 power cord Europe 3P LT-312+LT-501			PCS	1.0000 1 0.00 %	2003/10/03 N
0002	HA01333 single terminal wiring CF:W76 150mm UL1015 18AWG green/yellow			PCS	1.0000 1 0.00 %	2003/10/03 N
0003	HA01638 row-wire connector wiring 2P 280			PCS	1.0000 1 0.00 %	2003/10/03 N
0004	HA01798 wire 250 black			PCS	1.0000 1 0.00 %	2003/10/03 N
0005	HA01835 P.V.C single wave wired UL1617 2 80 brown			PCS	1.0000 1 0.00 %	2003/10/03 N
0006	HC00015 AC socket (S)315-B (AC select)			PCS	1.0000 1 0.00 %	2003/10/03 N
0007	HD00054 glass tube fuse 250mA 250V φ5.2*20mm CSA/S/UL/VDE			PCS	1.0000 1 0.00 %	2004/02/05 N
0008	HI00023 power switch SDDL B 1007U			PCS	1.0000 1 0.00 %	2003/10/03 N
0009	HJ00006 desiccant 30g			PCS	1.0000 1 0.00 %	2003/10/03 N
0010	HK02278 PC board P-RSA 27FP-DIP			PCS	1.0000 1 0.00 %	2003/10/03 N
0001	CB00039 electrolytic capacitor 47uF/25V φ5*11mm C10,C16,C18,C19,C20			PCS	5.0000 1 0.00 %	2003/10/03 N
0002	CB00042 electrolytic capacitor 47uF/63V 105°C LZ φ8*11mm C3,C4			PCS	2.0000 1 0.00 %	2003/10/03 N
0003	CB00046 electrolytic capacitor 100uF/16V φ6*5mm C21			PCS	1.0000 1 0.00 %	2003/10/03 N
0004	CB00070 electrolytic capacitor 1000uF/16V φ10*16mm C2			PCS	1.0000 1 0.00 %	2003/10/03 N
0005	HA01457 row-wire connector wiring 6P(male)-6P(female) 120 J30			PCS	1.0000 1 0.00 %	2003/10/03 N
0006	HA02084 wire 10P(male)-10P(female) 220mm J28			PCS	1.0000 1 0.00 %	2003/10/03 N
0007	HC00371 MIC jack SCJ-0658-1-Y PJ1			PCS	1.0000 1 0.00 %	2003/10/03 N

Multi-Level BOM Structure Listing

Report No.: IEBO\_P02  
 Prepared by 030002[陳建勳]

Date 2004/10/22  
 Page No.: 2 / 78

Item No. PF01293 Version  
 DESCRIPTION: RSA 27 UNIT: PCS  
 RSA 27 ALTO 230V Date: 2003/10/03

Version	Item No Item Descri	Loss %	Ver.	Unit	Cardinal Usage Rate Attrition Rate	Effective Date @:Phantom Layer Rate
0008-----	HI00236 push-button switch 2-stage 6P PS-9226A(SELF-LOCK) SW1,SW4			PCS	2.0000 1 0.00 %	2003/10/03 N
0009-----	HI00237 push-button switch 2stage 12P PS-13422R(SELF-LOCK) SW2,SW3			PCS	2.0000 1 0.00 %	2003/10/03 N
0010-----	HK02276 PC board P-RSA 27FP-SMD			PCS	1.0000 1 0.00 %	2003/10/03 N
0001-----	CI00029 SMD ceramic capacitor 0805 0.1uF/50V Y5V C34			PCS	1.0000 1 0.00 %	2003/10/03 N
0002-----	CI00051 SMD ceramic capacitor 0603 22PF/50V NPO ±5% C8,C9,C17			PCS	3.0000 1 0.00 %	2003/10/03 N
0003-----	CI00055 SMD ceramic capacitor 0603 47PF/50V NPO ±5% C1,C11,C13,C14,C22			PCS	5.0000 1 0.00 %	2003/10/03 N
0004-----	CI00062 SMD ceramic capacitor 0603 330PF/50V NPO ±5% C5			PCS	1.0000 1 0.00 %	2003/10/03 N
0005-----	CI00063 SMD ceramic capacitor 0603 470PF/50V NPO ±5% C6			PCS	1.0000 1 0.00 %	2003/10/03 N
0006-----	CI00075 SMD ceramic capacitor 0603 0.1uF/50V Y5V +80,-20% C25,C26,C27,C28,C29,C30,C31,C32,C33			PCS	9.0000 1 0.00 %	2003/10/03 N
0007-----	HB01043 PCB RSA 27FP(1*4)_VER030909			PCS	1.0000 1 0.00 %	2003/10/03 N
0008-----	RD00063 SMD fixed resistor 1/10W 22Ω ±5% 0603 R48,R44			PCS	2.0000 1 0.00 %	2003/10/03 N
0009-----	RD00082 SMD fixed resistor 1/10W 820Ω ±5% 0603 R62			PCS	1.0000 1 0.00 %	2003/10/03 N
0010-----	RD00107 SMD fixed resistor 1/10W 30KΩ ±5% 0603 R50			PCS	1.0000 1 0.00 %	2003/10/03 N

Multi-Level BOM Structure Listing

Report No.: IEBO\_P02  
 Prepared by 030002[陳建勳]

Date 2004/10/22  
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Item No. PF01293 Version  
 DESCRIPTION: RSA 27 UNIT: PCS  
 Date: 2003/10/03  
 RSA 27 ALTO 230V

Version	Item No Item Descri	Loss %	Ver.	Unit	Cardinal Usage Rate Attrition Rate	Effective Date @:Phantom Layer Rate
-0011-----	RD00111 SMD fixed resistor 1/10W 47KΩ ±5% 0603 R35			PCS	1.0000 1 0.00 %	2003/10/03 N
-0012-----	RD00123 SMD fixed resistor 1/10W 470KΩ ±5% 0603 R58,R59			PCS	2.0000 1 0.00 %	2003/10/03 N
-0013-----	RD00201 SMD precise resistor 1/10W 1.50KΩ ±1% 0603 R54,R56			PCS	2.0000 1 0.00 %	2003/10/03 N
-0014-----	RD00203 SMD precise resistor 1/10W 2.00KΩ ±1% 0603 R61			PCS	1.0000 1 0.00 %	2003/10/03 N
-0015-----	RD00214 SMD precise resistor 1/10W 10.0KΩ ±1% 0603 R5,R7,R9,R10,R12,R14,R18,R32,R49,R55,R57,R65,R26,R27			PCS	14.0000 1 0.00 %	2003/11/19 N
-0016-----	RD00219 SMD precise resistor 1/10W 20.0KΩ ±1% 0603 R29,R40			PCS	2.0000 1 0.00 %	2003/10/03 N
-0017-----	RD00224 SMD precise resistor 1/10W 100KΩ ±1% 0603 R2,R3			PCS	2.0000 1 0.00 %	2003/10/03 N
-0018-----	RD00272 SMD precise resistor 1/10W 10.0Ω ±1% 0603 R21,R22			PCS	2.0000 1 0.00 %	2003/10/03 N
-0019-----	RD00275 SMD precise resistor 1/10W 110Ω ±1% 0603 R46			PCS	1.0000 1 0.00 %	2003/10/03 N
-0020-----	RD00282 SMD precise resistor 1/10W 1.00KΩ ±1% 0603 R33,R37,R38,R39			PCS	4.0000 1 0.00 %	2003/10/03 N
-0021-----	RD00288 SMD precise resistor 1/10W 6.81KΩ ±1% 0603 R23,R24			PCS	2.0000 1 0.00 %	2003/10/03 N
-0022-----	RD00290 SMD precise resistor 1/10W 47.5KΩ ±1% 0603 R1,R31,R36,R51,R52,R53			PCS	6.0000 1 0.00 %	2003/10/03 N
-0023-----	RD00292 SMD precise resistor 1/10W 1.00MΩ ±1% 0603			PCS	1.0000 1 0.00 %	2003/10/03 N



Multi-Level BOM Structure Listing

Report No.: IEBO\_P02  
 Prepared by 030002[陳建勳]

Date 2004/10/22  
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Item No. PF01293  
 DESCRIPTION: RSA 27  
 RSA 27 ALTO 230V

Version

UNIT: PCS  
 Date: 2003/10/03

Version	Item No	Loss %	Ver.	Unit	Cardinal	Effective Date
Component Remark	Item Descri				Usage Rate	@:Phantom Layer
					Attrition	Rate
	R43					
0024-----	RD00319 SMD precise resistor 1/10W 2.00MΩ ±1% 0603 R42			PCS	1.0000 1 0.00 %	2003/10/03 N
0025-----	RD00346 SMD fixed resistor 1/10W 56Ω ±5% 0603 R45			PCS	1.0000 1 0.00 %	2003/10/03 N
0026-----	RD00388 SMD precise resistor 1/10W 221KΩ ±1% 0603 R60			PCS	1.0000 1 0.00 %	2003/10/03 N
0027-----	RD00393 SMD precise resistor 1/10W 330Ω ±1% 0603 R47			PCS	1.0000 1 0.00 %	2003/10/03 N
0028-----	RD00406 SMD precise resistor 1/10W 3.60KΩ ±1% 0603 R64			PCS	1.0000 1 0.00 %	2003/10/03 N
0029-----	RD00425 SMD precise resistor 1/10W 1.65KΩ ±1% 0603 R63			PCS	1.0000 1 0.00 %	2003/10/03 N
0030-----	SE00011 SMD rectifier diode RLS4148 0.5A (LL-34) D1,D2,D3			PCS	3.0000 1 0.00 %	2003/10/03 N
0031-----	SF00010 SMD transistor 2SC2412K(SOT-23)/(R) TR2			PCS	1.0000 1 0.00 %	2003/10/03 N
0032-----	SG00116 SMD integrated circuit BA1033FV E2 U6,U7			PCS	2.0000 1 0.00 %	2003/10/03 N
0033-----	SG00122 SMD integrated circuit NJM4580M-TE3 U2,U3,U4,U5			PCS	4.0000 1 0.00 %	2003/10/03 N
0011-----	NI01773 LED spacer support LEDS-13 LED113,LED114,LED115,LED116,LED117,LED118,LED200			PCS	7.0000 1 0.00 %	2003/10/03 N
0012-----	NI01793 LED spacer support LEDS-17 17mm LED82,LED110,LED111,LED112			PCS	4.0000 1 0.00 %	2003/10/03 N

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 Prepared by 030002[陳建勳]

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Item No. PF01293 Version  
 DESCRIPTION: RSA 27 UNIT: PCS  
 Date: 2003/10/03  
 RSA 27 ALTO 230V

Version	Item No Item Descri	Loss %	Ver.	Unit	Cardinal Usage Rate Attrition Rate	Effective Date @:Phantom Layer Rate
0013-----	RA00165 fixed resistor 1/4W 22Ω M type R66			PCS	1.0000 1 0.00 %	2003/10/03 N
0014-----	RA00217 fixed resistor 1/4W 1.5KΩ M type R41			PCS	1.0000 1 0.00 %	2003/10/03 N
0015-----	RC00294 potentiometer B50KΩ 35mm R1411GOA-V1B503FN00-00 VR1			PCS	1.0000 1 0.00 %	2003/10/03 N
0016-----	SA00069 light emitting diode circle*square red LED82			PCS	1.0000 1 0.00 %	2003/10/03 N
0017-----	SA00071 L.E.D φ 3 green LVG2340/A LED113,LED114,LED115,LED116,LED117			PCS	5.0000 1 0.00 %	2003/10/03 N
0018-----	SA00072 L.E.D φ 3 red LI2340/A LED200			PCS	1.0000 1 0.00 %	2003/10/03 N
0019-----	SA00073 L.E.D φ 3 yellow LUY2340/A LED118			PCS	1.0000 1 0.00 %	2003/10/03 N
0020-----	SA00138 L.E.D φ 2 greed(L-1464GD) LED110,LED111,LED112			PCS	3.0000 1 0.00 %	2003/10/03 N
0011-----	HK02280 PC board P-RSA 27RP-DIP			PCS	1.0000 1 0.00 %	2003/10/03 N
0001-----	CB00009 electrolytic capacitor 1uF/50V φ 4*7mm C7,C8			PCS	2.0000 1 0.00 %	2003/10/03 N
0002-----	CB00051 electrolytic capacitor 100uF/63V φ 10*12mm C18,C19,C20,C21,C22			PCS	5.0000 1 0.00 %	2003/10/03 N
0003-----	CB00056 electrolytic capacitor 220uF/25V φ 8*11mm C38,C39			PCS	2.0000 1 0.00 %	2003/10/03 N
0004-----	CB00073 electrolytic capacitor 1000uF/35V φ 13*20mm C36,C37			PCS	2.0000 1 0.00 %	2003/10/03 N

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Report No.: IEBO\_P02  
 Prepared by 030002[陳建勳]

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Item No. PF01293 Version  
 DESCRIPTION: RSA 27 UNIT: PCS  
 RSA 27 ALTO\_230V Date: 2003/10/03

Version	Item No	Loss %	Ver.	Unit	Cardinal	Effective Date
Component Remark	Item Descri				Usage Rate	@:Phantom Layer
					Attrition	Rate
-0005-----	CB00112 electrolytic capacitor 10uF/35V 105°C φ4*7mm C17			PCS	1.0000 1 0.00 %	2003/10/03 N
-0006-----	HA02190 wire 150mm TP1			PCS	1.0000 1 0.00 %	2003/10/03 N
-0007-----	HC00089 row-wire header(male) 3P 3.9mm 180° J3			PCS	1.0000 1 0.00 %	2003/10/03 N
-0008-----	HC00125 MIC jack JY-6351G-02-250 X4,X5			PCS	2.0000 1 0.00 %	2003/10/03 N
-0009-----	HC00126 XLR MIC jack JY-5042-030G female plug 180° X1			PCS	1.0000 1 0.00 %	2003/10/03 N
-0010-----	HC00392 XLR MIC jack JY-5030-030G 180° X6			PCS	1.0000 1 0.00 %	2003/10/03 N
-0011-----	HC00397 row-wire header(male) 10P 2.0mm 180° J1			PCS	1.0000 1 0.00 %	2003/10/03 N
-0012-----	HK02279 PC board P-RSA 27RP-SMD			PCS	1.0000 1 0.00 %	2003/10/03 N
-0001-----	CI00047 SMD ceramic capacitor 0603 10PF/50V NPO ±5% C12,C13,C14,C15,C16			PCS	5.0000 1 0.00 %	2003/10/03 N
-0002-----	CI00059 SMD ceramic capacitor 0603 100PF/50V NPO ±5% C1,C2			PCS	2.0000 1 0.00 %	2003/10/03 N
-0003-----	CI00063 SMD ceramic capacitor 0603 470PF/50V NPO ±5% C24,C25			PCS	2.0000 1 0.00 %	2003/10/03 N
-0004-----	CI00067 SMD ceramic capacitor 0603 0.0022uF/50V X7R ±10% C10			PCS	1.0000 1 0.00 %	2003/10/03 N
-0005-----	CI00075 SMD ceramic capacitor 0603 0.1uF/50V Y5V +80,-20% C23,C26,C27,C28,C29,C30,C31,C32,C33,C34,C35			PCS	11.0000 1 0.00 %	2003/10/03 N

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 Prepared by 030002[陳建勳]

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Item No. PF01293 Version  
 DESCRIPTION: RSA 27  
 RSA 27 ALTO 230V

UNIT: PCS  
 Date: 2003/10/03

Version	Item No Item Descri	Loss %	Ver.	Unit	Cardinal Usage Rate Attrition Rate	Effective Date @:Phantom Layer Rate
-0006-----	CI00091 SMD ceramic capacitor 0603 0.0056uF/50V X7R ±10% C9			PCS	1.0000 1 0.00 %	2003/10/03 N
-0007-----	CI00121 SMD ceramic capacitor 0603 820PF/-50V NPO ±5% C11			PCS	1.0000 1 0.00 %	2003/10/03 N
-0008-----	HB01044 PCB RSA 27RP(1*4)_VER030909			PCS	1.0000 1 0.00 %	2003/10/03 N
-0009-----	RD00214 SMD precise resistor 1/10W 10.0KΩ ±1% 0603 R4,R5,R6,R7			PCS	4.0000 1 0.00 %	2003/10/03 N
-0010-----	RD00219 SMD precise resistor 1/10W 20.0KΩ ±1% 0603 R13,R14			PCS	2.0000 1 0.00 %	2003/10/03 N
-0011-----	RD00224 SMD precise resistor 1/10W 100KΩ ±1% 0603 R1,R2,R3			PCS	3.0000 1 0.00 %	2003/10/03 N
-0012-----	RD00271 SMD precise resistor 1/10W 2.67KΩ ±1% 0603 R24			PCS	1.0000 1 0.00 %	2003/10/03 N
-0013-----	RD00285 SMD precise resistor 1/10W 3.24KΩ ±1% 0603 R28			PCS	1.0000 1 0.00 %	2003/10/03 N
-0014-----	RD00286 SMD precise resistor 1/10W 4.53KΩ ±1% 0603 R26,R27			PCS	2.0000 1 0.00 %	2003/10/03 N
-0015-----	RD00292 SMD precise resistor 1/10W 1.00MΩ ±1% 0603 R8,R12			PCS	2.0000 1 0.00 %	2003/10/03 N
-0016-----	RD00297 SMD precise resistor 1/10W 60.4Ω ±1% 0603 R15,R16,R17			PCS	3.0000 1 0.00 %	2003/10/03 N
-0017-----	RD00299 SMD precise resistor 1/10W 5.76KΩ ±1% 0603 R20			PCS	1.0000 1 0.00 %	2003/10/03 N
-0018-----	RD00300 SMD precise resistor 1/10W 6.04KΩ ±1% 0603 R25			PCS	1.0000 1 0.00 %	2003/10/03 N

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Report No.: IEBO\_P02  
 Prepared by 030002[陳建勳]  
 Item No. PF01293  
 DESCRIPTION: RSA 27  
 RSA 27 ALTO 230V

Version

UNIT: PCS  
 Date: 2003/10/03

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Version	Item No Item Descri	Loss %	Ver.	Unit	Cardinal Usage Rate Attrition Rate	Effective Date @:Phantom Layer Rate
0019-----	RD00331 SMD precise resistor 1/10W 330KΩ ±1% 0603 R9			PCS	1.0000 1 0.00 %	2003/10/03 N
0020-----	RD00341 SMD precise resistor 1/10W 4.70KΩ ±1% 0603 R11			PCS	1.0000 1 0.00 %	2003/10/03 N
0021-----	RD00358 SMD precise resistor 1/10W 18.2KΩ ±1% 0603 R10			PCS	1.0000 1 0.00 %	2003/10/03 N
0022-----	RD00363 SMD precise resistor 1/10W 3.16KΩ ±1% 0603 R29,R23			PCS	2.0000 1 0.00 %	2003/10/03 N
0023-----	SF00010 SMD transistor 2SC2412K(SOT-23)/(R) TR1			PCS	1.0000 1 0.00 %	2003/10/03 N
0024-----	SG00122 SMD integrated circuit NJM4580M-TE3 U3,U4,U5			PCS	3.0000 1 0.00 %	2003/10/03 N
0013-----	RA00187 fixed resistor 1/4W 150Ω R21			PCS	1.0000 1 0.00 %	2003/10/03 N
0014-----	RA00242 fixed resistor 1/4W 10KΩ M type R22			PCS	1.0000 1 0.00 %	2003/10/03 N
0015-----	RC00356 potentiometer Z10KΩ RD09F1130042-10KZ(SAS1);30F VR1			PCS	1.0000 1 0.00 %	2004/06/12 N
0016-----	SA00001 bridge rectifier 1A/400V RB154 BD1			PCS	1.0000 1 0.00 %	2003/10/03 N
0017-----	SA00098 rectifier diode 1A/400V IN4004 D1,D2			PCS	2.0000 1 0.00 %	2004/04/12 N
0018-----	SA00127 zener diode 1/2W 47V 1N5261 ZD1			PCS	1.0000 1 0.00 %	2003/10/03 N
0019-----	SB00043 transistor TIP122(ST)			PCS	1.0000 1 0.00 %	2003/10/03 Y

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Report No.: IEBO\_P02  
 Prepared by 030002[陳建勳]

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Item No. PF01293 Version  
 DESCRIPTION: RSA 27 UNIT: PCS  
 RSA 27 ALTO 230V Date: 2003/10/03

Version	Item No	Loss %	Ver.	Unit	Cardinal	Effective Date
Component Remark	Item Descri				Usage Rate	@:Phantom Layer
					Attrition	Rate
	TR2					
0012-----	HK02282 PC board			PCS	1.0000	2003/10/03
	P-RSA 27KMN-DIP				1	N
					0.00	%
0001-----	CB00065 electrolytic capacitor			PCS	2.0000	2004/04/19
	470uF/25V φ10*16mm				1	N
	C1,C2				0.00	%
0002-----	HA01918 jumper wire			PCS	9.0000	2003/10/03
	4mm				1	N
	JP3,JP4,JP28,JP30,JP36,JP39,JP44,JP24,JP26				0.00	%
0003-----	HA01920 jumper wire			PCS	5.0000	2003/10/03
	6mm				1	N
	JP8,JP12,JP22,JP32,JP34				0.00	%
0001-----	HA02249 wire			M	0.0160	2002/09/19
	φ0.6			KG	430	N
					0.00	%
0004-----	HA01922 jumper wire			PCS	9.0000	2003/10/03
	8mm				1	N
	JP7,JP43,JP10,JP11,JP14,JP18,JP21,JP15,JP37				0.00	%
0001-----	HA02249 wire			M	0.0180	2004/08/05
	φ0.6			KG	1	N
					0.00	%
0005-----	HA01925 jumper wire			PCS	4.0000	2003/10/03
	10mm				1	N
	JP25,JP40,JP1,JP17				0.00	%
0001-----	HA02249 wire			M	0.0200	2004/08/05
	φ0.6			KG	1	N
					0.00	%
0006-----	HA01928 jumper wire			PCS	2.0000	2003/10/03
	12mm				1	N
	JP20,JP42				0.00	%
0001-----	HA02249 wire			M	0.0220	2002/09/19
	φ0.6			KG	1	N
					0.00	%
0007-----	HA01931 jumper wire			PCS	7.0000	2003/10/03
	16mm				1	N
	JP2,JP27,JP9,JP19,JP33,JP41,JP23				0.00	%
0001-----	HA02249 wire			M	0.0260	2002/09/20
	φ0.6			KG	1	N
					0.00	%
0008-----	HA01937 jumper wire			PCS	8.0000	2003/10/03
	18mm				1	N
	JP5,JP6,JP13,JP16,JP29,JP31,JP35,JP38				0.00	%
0001-----	HA02249 wire			M	0.0280	2002/09/20
	φ0.6			KG	1	N
					0.00	%

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 Prepared by 030002[陳建勳]

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Item No. PF01293 Version  
 DESCRIPTION: RSA 27 UNIT: PCS  
 RSA 27 ALTO\_230V Date: 2003/10/03

Version	Item No Item Descri	Loss %	Ver.	Unit	Cardinal Usage Rate Attrition Rate	Effective Date @:Phantom Layer Rate
0009-----	HC00253 row-wire header(male) 2P 2.0mm 180° J31			PCS	1.0000 1 0.00 %	2003/10/03 N
0010-----	HC00257 row-wire header(male) 6P 2.0mm 180° J30			PCS	1.0000 1 0.00 %	2003/10/03 N
0011-----	HK00452 PC board P-RSA 27DIS500-DIP			PCS	1.0000 1 0.00 %	2003/10/03 N
0001-----	HA01918 jumper wire 4mm JP5,JP7			PCS	2.0000 1 0.00 %	2003/10/03 N
0002-----	HA01920 jumper wire 6mm JP2			PCS	1.0000 1 0.00 %	2003/10/03 N
0001-----	HA02249 wire φ0.6			M KG	0.0160 430 0.00 %	2002/09/19 N
0003-----	HA01922 jumper wire 8mm JP1,JP3,JP4,JP6			PCS	4.0000 1 0.00 %	2003/10/03 N
0001-----	HA02249 wire φ0.6			M KG	0.0180 1 0.00 %	2004/08/05 N
0004-----	HA01925 jumper wire 10mm JP8			PCS	1.0000 1 0.00 %	2003/10/03 N
0001-----	HA02249 wire φ0.6			M KG	0.0200 1 0.00 %	2004/08/05 N
0005-----	HC00618 row pin (single)#1100 2.54 90° 12P 3.0/11mm J1			PCS	1.0000 1 0.00 %	2004/02/23 N
0006-----	HK02308 PC board P-RSA 27DIS500-SMD			PCS	1.0000 1 0.00 %	2003/10/03 N
0001-----	CI00029 SMD ceramic capacitor 0805 0.1uF/50V Y5V C6			PCS	1.0000 1 0.00 %	2003/10/03 N
0002-----	CI00098 SMD ceramic capacitor 0805 0.033uF/50V X7R ±10% C1,C2			PCS	2.0000 1 0.00 %	2003/11/19 N
0003-----	CI00075 SMD ceramic capacitor 0603 0.1uF/50V Y5V +80,-20% C3,C4,C5			PCS	3.0000 1 0.00 %	2003/10/03 N

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Report No.: IEBO\_P02  
 Prepared by 030002[陳建勳]

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Item No. PF01293 Version  
 DESCRIPTION: RSA 27 UNIT: PCS  
 Date: 2003/10/03  
 RSA 27 ALTO 230V

Version	Item No	Loss %	Ver.	Unit	Cardinal Usage Rate	Effective Date @:Phantom Layer Attrition Rate
0004-----	HB01046 PCB			PCS	1.0000 1	2003/10/03 N
0005-----	RSA 27DIS(1*16)_VER031118 RD00002 SMD fixed resistor 1/10W 0.0Ω ±5% 0805 J2,J3,J4,J5			PCS	0.00 % 4.0000 1	2004/01/06 N
0006-----	RD00059 SMD fixed resistor 1/10W 0.0Ω ±5% 0603 R9,R10,R11			PCS	3.0000 1	2003/10/03 N
0007-----	RD00282 SMD precise resistor 1/10W 1.00KΩ ±1% 0603 R5,R8			PCS	2.0000 1	2003/10/03 N
0008-----	RD00290 SMD precise resistor 1/10W 47.5KΩ ±1% 0603 R2,R3,R4			PCS	3.0000 1	2003/10/03 N
0009-----	RD00334 SMD precise resistor 1/10W 11.0KΩ ±1% 0603 R7			PCS	1.0000 1	2003/10/03 N
0010-----	RD00438 SMD precise resistor 1/10W 90.9KΩ ±1% 0603 R1			PCS	1.0000 1	2003/10/03 N
0011-----	SE00011 SMD rectifier diode RLS4148 0.5A (LL-34) D1,D2,D3			PCS	3.0000 1	2003/10/03 N
0012-----	SF00004 SMD transistor 2SA1036K(SOT-23)/(R) TR1			PCS	1.0000 1	2003/10/03 N
0013-----	SG00116 SMD integrated circuit BA1033FV E2 U2,U3			PCS	2.0000 1	2003/10/03 N
0014-----	SG00122 SMD integrated circuit NJM4580M-TE3 U1			PCS	1.0000 1	2003/10/03 N
0007-----	NE11916 label RSA 27 DIS500			PCS	1.0000 1	2003/10/03 N
0001-----	NH00245 label 0.07*1M			M	1.0000 380	2003/12/05 N
0002-----	NI00019 membrane 0.065*1M			M	1.0000 380	2003/12/05 N



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Report No.: IEBO\_P02  
 Prepared by 030002[陳建勳]

Date 2004/10/22  
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Item No. PF01293 Version  
 DESCRIPTION: RSA 27 UNIT: PCS  
 RSA 27\_ALTO\_230V Date: 2003/10/03

Version	Item No	Loss %	Ver.	Unit	Cardinal	Effective Date
Component Remark	Item Descri				Usage Rate	@:Phantom Layer
					Attrition	Rate
-0008-----	RA00135 fixed resistor 1/2W 1.5kΩ M type R6			PCS	1.0000 1 0.00 %	2003/10/03 N
-0009-----	SA00052 L.E.D high intensity 3m/m round(green)long foot 26 LED4			PCS	1.0000 1 0.00 %	2003/10/03 N
-0010-----	SA00053 L.E.D high intensity 3m/m round(red)long foot 26mm LED5,LED6,LED7			PCS	3.0000 1 0.00 %	2003/10/03 N
-0011-----	SA00054 L.E.D high intensity 3m/m round(yellow)long foot 26 LED1,LED2,LED3			PCS	3.0000 1 0.00 %	2003/10/03 N
-0012-----	HK00454 PC board P-RSA 27DIS630-DIP			PCS	1.0000 1 0.00 %	2003/10/03 N
-0001-----	HA01918 jumper wire 4mm JP5,JP7			PCS	2.0000 1 0.00 %	2003/10/03 N
-0002-----	HA01920 jumper wire 6mm JP2			PCS	1.0000 1 0.00 %	2003/10/03 N
-0001-----	HA02249 wire φ0.6			M KG	0.0160 430 0.00 %	2002/09/19 N
-0003-----	HA01922 jumper wire 8mm JP1,JP3,JP4,JP6			PCS	4.0000 1 0.00 %	2003/10/03 N
-0001-----	HA02249 wire φ0.6			M KG	0.0180 1 0.00 %	2004/08/05 N
-0004-----	HA01925 jumper wire 10mm JP8			PCS	1.0000 1 0.00 %	2003/10/03 N
-0001-----	HA02249 wire φ0.6			M KG	0.0200 1 0.00 %	2004/08/05 N
-0005-----	HC00618 row pin (single)#1100 2.54 90° 12P 3.0/11mm J1			PCS	1.0000 1 0.00 %	2004/02/23 N
-0006-----	HK00453 PC board P-RSA 27DIS630-SMD			PCS	1.0000 1 0.00 %	2003/10/03 N
-0001-----	CI00029 SMD ceramic capacitor 0805 0.1uF/50V Y5V C6			PCS	1.0000 1 0.00 %	2003/10/03 N

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Report No.: IEBO\_P02  
 Prepared by 030002[陳建勳]

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Item No. PF01293 Version  
 DESCRIPTION: RSA 27 UNIT: PCS  
 Date: 2003/10/03  
 RSA 27 ALTO 230V

Version	Item No Item Descri	Loss %	Ver.	Unit	Cardinal Usage Rate Attrition Rate	Effective Date @:Phantom Layer Rate
0002-----	CI00098 SMD ceramic capacitor 0805 0.033uF/50V X7R ±10% C1,C2			PCS	2.0000 1 0.00 %	2003/11/19 N
0003-----	CI00075 SMD ceramic capacitor 0603 0.1uF/50V Y5V +80,-20% C3,C4,C5			PCS	3.0000 1 0.00 %	2003/10/03 N
0004-----	HB01046 PCB RSA 27DIS(1*16)_VER031118			PCS	1.0000 1 0.00 %	2003/10/03 N
0005-----	RD00002 SMD fixed resistor 1/10W 0.0Ω ±5% 0805 J2,J3,J4,J5			PCS	4.0000 1 0.00 %	2004/01/06 N
0006-----	RD00059 SMD fixed resistor 1/10W 0.0Ω ±5% 0603 R9			PCS	1.0000 1 0.00 %	2003/10/03 N
0007-----	RD00063 SMD fixed resistor 1/10W 22Ω ±5% 0603 R10			PCS	1.0000 1 0.00 %	2003/10/03 N
0008-----	RD00210 SMD precise resistor 1/10W 5.11KΩ ±1% 0603 R11			PCS	1.0000 1 0.00 %	2003/10/03 N
0009-----	RD00282 SMD precise resistor 1/10W 1.00KΩ ±1% 0603 R5			PCS	1.0000 1 0.00 %	2003/10/03 N
0010-----	RD00290 SMD precise resistor 1/10W 47.5KΩ ±1% 0603 R2,R3,R4			PCS	3.0000 1 0.00 %	2003/10/03 N
0011-----	RD00334 SMD precise resistor 1/10W 11.0KΩ ±1% 0603 R7			PCS	1.0000 1 0.00 %	2003/10/03 N
0012-----	RD00426 SMD precise resistor 1/10W 68.1KΩ ±1% 0603 R1			PCS	1.0000 1 0.00 %	2003/10/03 N
0013-----	RD00476 SMD precise resistor 1/10W 825Ω ±1% 0603 R8			PCS	1.0000 1 0.00 %	2003/10/03 N
0014-----	SE00011 SMD rectifier diode RLS4148 0.5A (LL-34) D1,D2,D3			PCS	3.0000 1 0.00 %	2003/10/03 N

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Report No.: IEBO\_P02  
 Prepared by 030002[陳建勳]

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Item No. PF01293 Version  
 DESCRIPTION: RSA 27 UNIT: PCS  
 Date: 2003/10/03  
 RSA 27 ALTO 230V

Version	Item No	Loss %	Ver.	Unit	Cardinal	Effective Date
Component Remark	Item Descri				Usage Rate	@:Phantom Layer
					Attrition	Rate
-0015-----	SF00004 SMD transistor 2SA1036K(SOT-23)/(R) TR1			PCS	1.0000 1 0.00 %	2003/10/03 N
-0016-----	SG00116 SMD integrated circuit BA1033FV E2 U2,U3			PCS	2.0000 1 0.00 %	2003/10/03 N
-0017-----	SG00122 SMD integrated circuit NJM4580M-TE3 U1			PCS	1.0000 1 0.00 %	2003/10/03 N
-0007-----	NE11920 label RSA 27 DIS630			PCS	1.0000 1 0.00 %	2003/10/03 N
-0001-----	NH00245 label 0.07*1M			M	1.0000 380 0.00 %	2003/12/05 N
-0002-----	NI00019 membrane 0.065*1M			M	1.0000 380 0.00 %	2003/12/05 N
-0008-----	RA00135 fixed resistor 1/2W 1.5kΩ M type R6			PCS	1.0000 1 0.00 %	2003/10/03 N
-0009-----	SA00052 L.E.D high intensity 3m/m round(green)long foot 26 LED4			PCS	1.0000 1 0.00 %	2003/10/03 N
-0010-----	SA00053 L.E.D high intensity 3m/m round(red)long foot 26mm LED5,LED6,LED7			PCS	3.0000 1 0.00 %	2003/10/03 N
-0011-----	SA00054 L.E.D high intensity 3m/m round(yellow)long foot 26 LED1,LED2,LED3			PCS	3.0000 1 0.00 %	2003/10/03 N
-0013-----	HK00456 PC board P-RSA 27DIS800-DIP			PCS	1.0000 1 0.00 %	2003/10/03 N
-0001-----	HA01918 jumper wire 4mm JP5,JP7			PCS	2.0000 1 0.00 %	2003/10/03 N
-0002-----	HA01920 jumper wire 6mm JP2			PCS	1.0000 1 0.00 %	2003/10/03 N
-0001-----	HA02249 wire φ0.6			M KG	0.0160 430 0.00 %	2002/09/19 N

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Report No.: IEBO\_P02  
 Prepared by 030002[陳建勳]

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Item No. PF01293 Version  
 DESCRIPTION: RSA 27 UNIT: PCS  
 RSA 27\_ALTO\_230V Date: 2003/10/03

Version	Item No	Loss %	Ver.	Unit	Cardinal	Effective Date
Component Remark	Item Descri				Usage Rate	@:Phantom Layer
					Attrition Rate	Rate
-0003-----	HA01922 jumper wire 8mm JP1,JP3,JP4,JP6			PCS	4.0000 1 0.00	2003/10/03 N %
-0001-----	HA02249 wire φ0.6			M KG	0.0180 1 0.00	2004/08/05 N %
-0004-----	HA01925 jumper wire 10mm JP8			PCS	1.0000 1 0.00	2003/10/03 N %
-0001-----	HA02249 wire φ0.6			M KG	0.0200 1 0.00	2004/08/05 N %
-0005-----	HC00618 row pin (single)#1100 2.54 90° 12P 3.0/11mm J1			PCS	1.0000 1 0.00	2004/02/23 N %
-0006-----	HK00455 PC board P-RSA 27DIS800-SMD			PCS	1.0000 1 0.00	2003/10/03 N %
-0001-----	CI00029 SMD ceramic capacitor 0805 0.1uF/50V Y5V C6			PCS	1.0000 1 0.00	2003/10/03 N %
-0002-----	CI00098 SMD ceramic capacitor 0805 0.033uF/50V X7R ±10% C1,C2			PCS	2.0000 1 0.00	2003/11/19 N %
-0003-----	CI00075 SMD ceramic capacitor 0603 0.1uF/50V Y5V +80,-20% C3,C4,C5			PCS	3.0000 1 0.00	2003/10/03 N %
-0004-----	HB01046 PCB RSA 27DIS(1*16)_VER031118			PCS	1.0000 1 0.00	2003/10/03 N %
-0005-----	RD00002 SMD fixed resistor 1/10W 0.0Ω ±5% 0805 J2,J3,J4,J5			PCS	4.0000 1 0.00	2004/01/06 N %
-0006-----	RD00059 SMD fixed resistor 1/10W 0.0Ω ±5% 0603 R9,R10,R11			PCS	3.0000 1 0.00	2003/10/03 N %
-0007-----	RD00280 SMD precise resistor 1/10W 619Ω ±1% 0603 R8			PCS	1.0000 1 0.00	2003/10/03 N %
-0008-----	RD00282 SMD precise resistor 1/10W 1.00KΩ ±1% 0603 R5			PCS	1.0000 1 0.00	2003/10/03 N %

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Report No.: IEBO\_P02  
 Prepared by 030002[陳建勳]

Date 2004/10/22  
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Item No. PF01293 Version  
 DESCRIPTION: RSA 27 UNIT: PCS  
 RSA 27 ALTO\_230V Date: 2003/10/03

Version	Item No	Loss %	Ver.	Unit	Cardinal	Effective Date
Component Remark	Item Descri				Usage Rate	@:Phantom Layer
					Attrition	Rate
-0009-----	RD00289 SMD precise resistor 1/10W 8.06KΩ ±1% 0603 R7			PCS	1.0000 1 0.00 %	2003/10/03 N
-0010-----	RD00290 SMD precise resistor 1/10W 47.5KΩ ±1% 0603 R2,R3,R4			PCS	3.0000 1 0.00 %	2003/10/03 N
-0011-----	RD00303 SMD precise resistor 1/10W 57.6KΩ ±1% 0603 R1			PCS	1.0000 1 0.00 %	2003/10/03 N
-0012-----	SE00011 SMD rectifier diode RLS4148 0.5A (LL-34) D1,D2,D3			PCS	3.0000 1 0.00 %	2003/10/03 N
-0013-----	SF00004 SMD transistor 2SA1036K(SOT-23)/(R) TR1			PCS	1.0000 1 0.00 %	2003/10/03 N
-0014-----	SG00116 SMD integrated circuit BA1033FV E2 U2,U3			PCS	2.0000 1 0.00 %	2003/10/03 N
-0015-----	SG00122 SMD integrated circuit NJM4580M-TE3 U1			PCS	1.0000 1 0.00 %	2003/10/03 N
-0007-----	NE11922 label RSA 27 DIS800			PCS	1.0000 1 0.00 %	2003/10/03 N
-0001-----	NH00245 label 0.07*1M			M	1.0000 380 0.00 %	2003/12/05 N
-0002-----	NI00019 membrane 0.065*1M			M	1.0000 380 0.00 %	2003/12/05 N
-0008-----	RA00135 fixed resistor 1/2W 1.5kΩ M type R6			PCS	1.0000 1 0.00 %	2003/10/03 N
-0009-----	SA00052 L.E.D high intensity 3m/m round(green)long foot 26 LED4			PCS	1.0000 1 0.00 %	2003/10/03 N
-0010-----	SA00053 L.E.D high intensity 3m/m round(red)long foot 26mm LED5,LED6,LED7			PCS	3.0000 1 0.00 %	2003/10/03 N
-0011-----	SA00054 L.E.D high intensity 3m/m round(yellow)long foot 26 LED1,LED2,LED3			PCS	3.0000 1 0.00 %	2003/10/03 N

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Report No.: IEBO\_P02  
 Prepared by 030002[陳建勳]

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Item No. PF01293 Version  
 DESCRIPTION: RSA 27 UNIT: PCS  
 RSA 27 ALTO 230V Date: 2003/10/03

Version	Item No	Loss %	Ver.	Unit	Cardinal	Effective Date
Component Remark	Item Descri				Usage Rate	@:Phantom Layer Attrition Rate
-0014-----	HK00458 PC board			PCS	1.0000 1	2003/10/03 N
-0001-----	P-RSA 27DIS1K-DIP HA01918 jumper wire			PCS	0.00 % 2.0000 1	% 2003/10/03 N
	4mm JP5,JP7				0.00 %	
-0002-----	HA01920 jumper wire			PCS	1.0000 1	2003/10/03 N
	6mm JP2				0.00 %	
-0001-----	HA02249 wire			M	0.0160 430	2002/09/19 N
	φ0.6			KG	0.00 %	
-0003-----	HA01922 jumper wire			PCS	4.0000 1	2003/10/03 N
	8mm JP1,JP3,JP4,JP6				0.00 %	
-0001-----	HA02249 wire			M	0.0180 1	2004/08/05 N
	φ0.6			KG	0.00 %	
-0004-----	HA01925 jumper wire			PCS	1.0000 1	2003/10/03 N
	10mm JP8				0.00 %	
-0001-----	HA02249 wire			M	0.0200 1	2004/08/05 N
	φ0.6			KG	0.00 %	
-0005-----	HC00618 row pin (single)#1100			PCS	1.0000 1	2004/02/23 N
	2.54 90° 12P 3.0/11mm J1				0.00 %	
-0006-----	HK00457 PC board			PCS	1.0000 1	2003/10/03 N
-0001-----	P-RSA 27DIS1K-SMD CI00029			PCS	0.00 % 1.0000	% 2003/10/03
	SMD ceramic capacitor 0805 0.1uF/50V Y5V				0.00 %	
	C6					
-0002-----	CI00098 SMD ceramic capacitor 0805			PCS	2.0000 1	2003/11/19 N
	0.033uF/50V X7R ±10%				0.00 %	
	C1,C2					
-0003-----	CI00075 SMD ceramic capacitor 0603			PCS	3.0000 1	2003/10/03 N
	0.1uF/50V Y5V +80,-20%				0.00 %	
	C3,C4,C5					
-0004-----	HB01046 PCB			PCS	1.0000 1	2003/10/03 N
-0005-----	RSA 27DIS(1*16)_VER031118 RD00002			PCS	0.00 % 4.0000	% 2004/01/06
	SMD fixed resistor 1/10W 0.0Ω ±5% 0805				0.00 %	
	J2,J3,J4,J5					

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Report No.: IEBO\_P02  
 Prepared by 030002[陳建勳]

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Item No. PF01293 Version  
 DESCRIPTION: RSA 27 UNIT: PCS  
 RSA 27 ALTO\_230V Date: 2003/10/03

Version	Item No	Loss %	Ver.	Unit	Cardinal	Effective Date
Component Remark	Item Descri				Usage Rate	@:Phantom Layer
					Attrition	Rate
0006-----	RD00059 SMD fixed resistor 1/10W 0.0Ω ±5% 0603 R9,R10,R11			PCS	3.0000 1 0.00 %	2003/10/03 N
0007-----	RD00282 SMD precise resistor 1/10W 1.00KΩ ±1% 0603 R5			PCS	1.0000 1 0.00 %	2003/10/03 N
0008-----	RD00287 SMD precise resistor 1/10W 6.34KΩ ±1% 0603 R7			PCS	1.0000 1 0.00 %	2003/10/03 N
0009-----	RD00290 SMD precise resistor 1/10W 47.5KΩ ±1% 0603 R2,R3,R4			PCS	3.0000 1 0.00 %	2003/10/03 N
0010-----	RD00361 SMD precise resistor 1/10W 511Ω ±1% 0603 R8			PCS	1.0000 1 0.00 %	2003/10/03 N
0011-----	RD00437 SMD precise resistor 1/10W 44.2KΩ±1% 0603 R1			PCS	1.0000 1 0.00 %	2003/10/03 N
0012-----	SE00011 SMD rectifier diode RLS4148 0.5A (LL-34) D1,D2,D3			PCS	3.0000 1 0.00 %	2003/10/03 N
0013-----	SF00004 SMD transistor 2SA1036K(SOT-23)/(R) TR1			PCS	1.0000 1 0.00 %	2003/10/03 N
0014-----	SG00116 SMD integrated circuit BA1033FV E2 U2,U3			PCS	2.0000 1 0.00 %	2003/10/03 N
0015-----	SG00122 SMD integrated circuit NJM4580M-TE3 U1			PCS	1.0000 1 0.00 %	2003/10/03 N
0007-----	NE11905 label RSA 27 DIS1K			PCS	1.0000 1 0.00 %	2003/10/03 N
0001-----	NH00245 label 0.07*1M			M	1.0000 380 0.00 %	2003/12/05 N
0002-----	NI00019 membrane 0.065*1M			M	1.0000 380 0.00 %	2003/12/05 N
0008-----	RA00135 fixed resistor 1/2W 1.5kΩ M type			PCS	1.0000 1 0.00 %	2003/10/03 N

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Report No.: IEBO\_P02  
 Prepared by 030002[陳建勳]

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Item No. PF01293 Version  
 DESCRIPTION: RSA 27 UNIT: PCS  
 RSA 27 ALTO 230V Date: 2003/10/03

Version	Item No	Loss %	Ver.	Unit	Cardinal	Effective Date
Component Remark	Item Descri				Usage Rate	@:Phantom Layer
					Attrition	Rate
	R6					
0009	SA00052 L.E.D high intensity 3m/m round(green)long foot 26 LED4			PCS	1.0000 1 0.00 %	2003/10/03 N
0010	SA00053 L.E.D high intensity 3m/m round(red)long foot 26mm LED5,LED6,LED7			PCS	3.0000 1 0.00 %	2003/10/03 N
0011	SA00054 L.E.D high intensity 3m/m round(yellow)long foot 26 LED1,LED2,LED3			PCS	3.0000 1 0.00 %	2003/10/03 N
0015	HK00460 PC board P-RSA 27DIS1.25K-DIP			PCS	1.0000 1 0.00 %	2003/10/03 N
0001	HA01918 jumper wire 4mm JP5,JP7			PCS	2.0000 1 0.00 %	2003/10/03 N
0002	HA01920 jumper wire 6mm JP2			PCS	1.0000 1 0.00 %	2003/10/03 N
0001	HA02249 wire φ0.6			M KG	0.0160 430 0.00 %	2002/09/19 N
0003	HA01922 jumper wire 8mm JP1,JP3,JP4,JP6			PCS	4.0000 1 0.00 %	2003/10/03 N
0001	HA02249 wire φ0.6			M KG	0.0180 1 0.00 %	2004/08/05 N
0004	HA01925 jumper wire 10mm JP8			PCS	1.0000 1 0.00 %	2003/10/03 N
0001	HA02249 wire φ0.6			M KG	0.0200 1 0.00 %	2004/08/05 N
0005	HCO0618 row pin (single)#1100 2.54 90° 12P 3.0/11mm J1			PCS	1.0000 1 0.00 %	2004/02/23 N
0006	HK00459 PC board P-RSA 27DIS1.25K-SMD			PCS	1.0000 1 0.00 %	2003/10/03 N
0001	CI00029 SMD ceramic capacitor 0805 0.1uF/50V Y5V C6			PCS	1.0000 1 0.00 %	2003/10/03 N



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Report No.: IEBO\_P02  
 Prepared by 030002[陳建勳]  
 Item No. PF01293  
 DESCRIPTION: RSA 27  
 RSA 27\_ALTO\_230V

Version

UNIT: PCS  
 Date: 2003/10/03

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Version	Item No	Loss %	Ver.	Unit	Cardinal	Effective Date
Component Remark	Item Descri				Usage Rate	@:Phantom Layer
					Attrition Rate	Rate
0002-----	CI00098 SMD ceramic capacitor 0805 0.033uF/50V X7R ±10% C1,C2			PCS	2.0000 1 0.00 %	2003/11/19 N
0003-----	CI00075 SMD ceramic capacitor 0603 0.1uF/50V Y5V +80,-20% C3,C4,C5			PCS	3.0000 1 0.00 %	2003/10/03 N
0004-----	HB01046 PCB RSA 27DIS(1*16)_VER031118			PCS	1.0000 1 0.00 %	2003/10/03 N
0005-----	RD00002 SMD fixed resistor 1/10W 0.0Ω ±5% 0805 J2,J3,J4,J5			PCS	4.0000 1 0.00 %	2004/01/06 N
0006-----	RD00059 SMD fixed resistor 1/10W 0.0Ω ±5% 0603 R9,R11			PCS	2.0000 1 0.00 %	2003/10/03 N
0007-----	RD00063 SMD fixed resistor 1/10W 22Ω ±5% 0603 R10			PCS	1.0000 1 0.00 %	2003/10/03 N
0008-----	RD00279 SMD precise resistor 1/10W 402Ω ±1% 0603 R8			PCS	1.0000 1 0.00 %	2003/10/03 N
0009-----	RD00282 SMD precise resistor 1/10W 1.00KΩ ±1% 0603 R5			PCS	1.0000 1 0.00 %	2003/10/03 N
0010-----	RD00290 SMD precise resistor 1/10W 47.5KΩ ±1% 0603 R2,R3,R4			PCS	3.0000 1 0.00 %	2003/10/03 N
0011-----	RD00317 SMD precise resistor 1/10W 39.2KΩ ±1% 0603 R1			PCS	1.0000 1 0.00 %	2003/10/03 N
0012-----	RD00365 SMD precise resistor 1/10W 5.62KΩ ±1% 0603 R7			PCS	1.0000 1 0.00 %	2003/10/03 N
0013-----	SE00011 SMD rectifier diode RLS4148 0.5A (LL-34) D1,D2,D3			PCS	3.0000 1 0.00 %	2003/10/03 N
0014-----	SF00004 SMD transistor 2SA1036K(SOT-23)/(R) TR1			PCS	1.0000 1 0.00 %	2003/10/03 N

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 Prepared by 030002[陳建勳]

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Item No. PF01293 Version  
 DESCRIPTION: RSA 27 UNIT: PCS  
 RSA 27 ALTO\_230V Date: 2003/10/03

Version	Item No	Loss %	Ver.	Unit	Cardinal	Effective Date
Component Remark	Item Descri				Usage Rate	@:Phantom Layer
					Attrition	Rate
-0015-----	SG00116 SMD integrated circuit BA1033FV E2 U2,U3			PCS	2.0000 1 0.00 %	2003/10/03 N
-0016-----	SG00122 SMD integrated circuit NJM4580M-TE3 U1			PCS	1.0000 1 0.00 %	2003/10/03 N
-0007-----	NE11898 label RSA 27 DIS1.25K			PCS	1.0000 1 0.00 %	2003/10/03 N
-0001-----	NH00245 label 0.07*1M			M	1.0000 380 0.00 %	2003/12/05 N
-0002-----	NI00019 membrane 0.065*1M			M	1.0000 380 0.00 %	2003/12/05 N
-0008-----	RA00135 fixed resistor 1/2W 1.5kΩ M type R6			PCS	1.0000 1 0.00 %	2003/10/03 N
-0009-----	SA00052 L.E.D high intensity 3m/m round(green)long foot 26 LED4			PCS	1.0000 1 0.00 %	2003/10/03 N
-0010-----	SA00053 L.E.D high intensity 3m/m round(red)long foot 26mm LED5,LED6,LED7			PCS	3.0000 1 0.00 %	2003/10/03 N
-0011-----	SA00054 L.E.D high intensity 3m/m round(yellow)long foot 26 LED1,LED2,LED3			PCS	3.0000 1 0.00 %	2003/10/03 N
-0016-----	HK00462 PC board P-RSA 27DIS1.6K-DIP			PCS	1.0000 1 0.00 %	2003/10/03 N
-0001-----	HA01918 jumper wire 4mm JP5,JP7			PCS	2.0000 1 0.00 %	2003/10/03 N
-0002-----	HA01920 jumper wire 6mm JP2			PCS	1.0000 1 0.00 %	2003/10/03 N
-0001-----	HA02249 wire φ0.6			M KG	0.0160 430 0.00 %	2002/09/19 N
-0003-----	HA01922 jumper wire 8mm JP1,JP3,JP4,JP6			PCS	4.0000 1 0.00 %	2003/10/03 N
-0001-----	HA02249 wire φ0.6			M KG	0.0180 1 0.00 %	2004/08/05 N

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Report No.: IEBO\_P02  
 Prepared by 030002[陳建勳]

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Item No. PF01293 Version  
 DESCRIPTION: RSA 27 UNIT: PCS  
 Date: 2003/10/03  
 RSA 27 ALTO 230V

Version	Item No	Loss %	Ver.	Unit	Cardinal	Effective Date
Component Remark	Item Descri				Usage Rate	@:Phantom Layer
					Attrition	Rate
-0004-----	HA01925 jumper wire 10mm JP8			PCS	1.0000 1 0.00 %	2003/10/03 N
-0001-----	HA02249 wire φ0.6			M KG	0.0200 1 0.00 %	2004/08/05 N
-0005-----	HC00618 row pin (single)#1100 2.54 90° 12P 3.0/11mm J1			PCS	1.0000 1 0.00 %	2004/02/23 N
-0006-----	HK00461 PC board P-RSA 27DIS1.6K-SMD			PCS	1.0000 1 0.00 %	2003/10/03 N
-0001-----	CI00029 SMD ceramic capacitor 0805 0.1uF/50V Y5V C6			PCS	1.0000 1 0.00 %	2003/10/03 N
-0002-----	CI00098 SMD ceramic capacitor 0805 0.033uF/50V X7R ±10% C1,C2			PCS	2.0000 1 0.00 %	2003/11/19 N
-0003-----	CI00075 SMD ceramic capacitor 0603 0.1uF/50V Y5V +80,-20% C3,C4,C5			PCS	3.0000 1 0.00 %	2003/10/03 N
-0004-----	HB01046 PCB RSA 27DIS(1*16)_VER031118			PCS	1.0000 1 0.00 %	2003/10/03 N
-0005-----	RD00002 SMD fixed resistor 1/10W 0.0Ω ±5% 0805 J2,J3,J4,J5			PCS	4.0000 1 0.00 %	2004/01/06 N
-0006-----	RD00059 SMD fixed resistor 1/10W 0.0Ω ±5% 0603 R9,R10,R11			PCS	3.0000 1 0.00 %	2003/10/03 N
-0007-----	RD00282 SMD precise resistor 1/10W 1.00KΩ ±1% 0603 R5			PCS	1.0000 1 0.00 %	2003/10/03 N
-0008-----	RD00290 SMD precise resistor 1/10W 47.5KΩ ±1% 0603 R2,R3,R4			PCS	3.0000 1 0.00 %	2003/10/03 N
-0009-----	RD00302 SMD precise resistor 1/10W 28.0KΩ ±1% 0603 R1			PCS	1.0000 1 0.00 %	2003/10/03 N
-0010-----	RD00364 SMD precise resistor 1/10W 4.02KΩ ±1% 0603 R7			PCS	1.0000 1 0.00 %	2003/10/03 N

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Report No.: IEBO\_P02  
 Prepared by 030002[陳建勳]

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Item No. PF01293 Version  
 DESCRIPTION: RSA 27 UNIT: PCS  
 RSA 27 ALTO 230V Date: 2003/10/03

Version	Item No	Loss %	Ver.	Unit	Cardinal	Effective Date
Component Remark	Item Descri				Usage Rate	@:Phantom Layer
					Attrition	Rate
-0011-----	RD00393 SMD precise resistor 1/10W 330Ω ±1% 0603 R8			PCS	1.0000 1 0.00 %	2003/10/03 N
-0012-----	SE00011 SMD rectifier diode RLS4148 0.5A (LL-34) D1,D2,D3			PCS	3.0000 1 0.00 %	2003/10/03 N
-0013-----	SF00004 SMD transistor 2SA1036K(SOT-23)/(R) TR1			PCS	1.0000 1 0.00 %	2003/10/03 N
-0014-----	SG00116 SMD integrated circuit BA1033FV E2 U2,U3			PCS	2.0000 1 0.00 %	2003/10/03 N
-0015-----	SG00122 SMD integrated circuit NJM4580M-TE3 U1			PCS	1.0000 1 0.00 %	2003/10/03 N
-0007-----	NE11899 label RSA 27 DIS1.6K			PCS	1.0000 1 0.00 %	2003/10/03 N
-0001-----	NH00245 label 0.07*1M			M	1.0000 380 0.00 %	2003/12/05 N
-0002-----	NI00019 membrane 0.065*1M			M	1.0000 380 0.00 %	2003/12/05 N
-0008-----	RA00135 fixed resistor 1/2W 1.5kΩ M type R6			PCS	1.0000 1 0.00 %	2003/10/03 N
-0009-----	SA00052 L.E.D high intensity 3m/m round(green)long foot 26 LED4			PCS	1.0000 1 0.00 %	2003/10/03 N
-0010-----	SA00053 L.E.D high intensity 3m/m round(red)long foot 26mm LED5,LED6,LED7			PCS	3.0000 1 0.00 %	2003/10/03 N
-0011-----	SA00054 L.E.D high intensity 3m/m round(yellow)long foot 26 LED1,LED2,LED3			PCS	3.0000 1 0.00 %	2003/10/03 N
-0017-----	HK00464 PC board P-RSA 27DIS2K-DIP			PCS	1.0000 1 0.00 %	2003/10/03 N
-0001-----	HA01918 jumper wire 4mm JP5,JP7			PCS	2.0000 1 0.00 %	2003/10/03 N

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Report No.: IEBO\_P02  
 Prepared by 030002[陳建勳]

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Item No. PF01293 Version  
 DESCRIPTION: RSA 27 UNIT: PCS  
 RSA 27 ALTO\_230V Date: 2003/10/03

Version	Item No	Loss %	Ver.	Unit	Cardinal	Effective Date
Component Remark	Item Descri				Usage Rate	@:Phantom Layer Attrition Rate
-0002-----	HA01920 jumper wire 6mm JP2			PCS	1.0000 1 0.00 %	2003/10/03 N
-0001-----	HA02249 wire φ0.6			M KG	0.0160 430 0.00 %	2002/09/19 N
-0003-----	HA01922 jumper wire 8mm JP1,JP3,JP4,JP6			PCS	4.0000 1 0.00 %	2003/10/03 N
-0001-----	HA02249 wire φ0.6			M KG	0.0180 1 0.00 %	2004/08/05 N
-0004-----	HA01925 jumper wire 10mm JP8			PCS	1.0000 1 0.00 %	2003/10/03 N
-0001-----	HA02249 wire φ0.6			M KG	0.0200 1 0.00 %	2004/08/05 N
-0005-----	HC00618 row pin (single)#1100 2.54 90° 12P 3.0/11mm J1			PCS	1.0000 1 0.00 %	2004/02/23 N
-0006-----	HK00463 PC board P-RSA 27DIS2K-SMD			PCS	1.0000 1 0.00 %	2003/10/03 N
-0001-----	CI00029 SMD ceramic capacitor 0805 0.1uF/50V Y5V C6			PCS	1.0000 1 0.00 %	2003/10/03 N
-0002-----	CI00098 SMD ceramic capacitor 0805 0.033uF/50V X7R ±10% C1,C2			PCS	2.0000 1 0.00 %	2003/11/19 N
-0003-----	CI00075 SMD ceramic capacitor 0603 0.1uF/50V Y5V +80,-20% C3,C4,C5			PCS	3.0000 1 0.00 %	2003/10/03 N
-0004-----	HB01046 PCB RSA 27DIS(1*16)_VER031118			PCS	1.0000 1 0.00 %	2003/10/03 N
-0005-----	RD00002 SMD fixed resistor 1/10W 0.0Ω ±5% 0805 J2,J3,J4,J5			PCS	4.0000 1 0.00 %	2004/01/06 N
-0006-----	RD00059 SMD fixed resistor 1/10W 0.0Ω ±5% 0603 R9,R10,R11			PCS	3.0000 1 0.00 %	2003/10/03 N
-0007-----	RD00282 SMD precise resistor 1/10W 1.00KΩ ±1% 0603 R5			PCS	1.0000 1 0.00 %	2003/10/03 N

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Report No.: IEBO\_P02  
 Prepared by 030002[陳建勳]

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Item No. PF01293 Version  
 DESCRIPTION: RSA 27 UNIT: PCS  
 Date: 2003/10/03  
 RSA 27 ALTO 230V

Version	Item No	Loss %	Ver.	Unit	Cardinal	Effective Date
Component Remark	Item Descri				Usage Rate	@:Phantom Layer
					Attrition	Rate
0008-----	RD00290 SMD precise resistor 1/10W 47.5KΩ ±1% 0603 R2,R3,R4			PCS	3.0000 1 0.00 %	2003/10/03 N
0009-----	RD00294 SMD precise resistor 1/10W 24.9KΩ ±1% 0603 R1			PCS	1.0000 1 0.00 %	2003/10/03 N
0010-----	RD00357 SMD precise resistor 1/10W 3.32KΩ ±1% 0603 R7			PCS	1.0000 1 0.00 %	2003/10/03 N
0011-----	RD00475 SMD precise resistor 1/10W 243Ω ±1% 0603 R8			PCS	1.0000 1 0.00 %	2003/10/03 N
0012-----	SE00011 SMD rectifier diode RLS4148 0.5A (LL-34) D1,D2,D3			PCS	3.0000 1 0.00 %	2003/10/03 N
0013-----	SF00004 SMD transistor 2SA1036K(SOT-23)/(R) TR1			PCS	1.0000 1 0.00 %	2003/10/03 N
0014-----	SG00116 SMD integrated circuit BA1033FV E2 U2,U3			PCS	2.0000 1 0.00 %	2003/10/03 N
0015-----	SG00122 SMD integrated circuit NJM4580M-TE3 U1			PCS	1.0000 1 0.00 %	2003/10/03 N
0007-----	NE11909 label RSA 27 DIS2K			PCS	1.0000 1 0.00 %	2003/10/03 N
0001-----	NH00245 label 0.07*1M			M	1.0000 380 0.00 %	2003/12/05 N
0002-----	NI00019 membrane 0.065*1M			M	1.0000 380 0.00 %	2003/12/05 N
0008-----	RA00135 fixed resistor 1/2W 1.5kΩ M type R6			PCS	1.0000 1 0.00 %	2003/10/03 N
0009-----	SA00052 L.E.D high intensity 3m/m round(green)long foot 26 LED4			PCS	1.0000 1 0.00 %	2003/10/03 N
0010-----	SA00053 L.E.D high intensity 3m/m round(red)long foot 26mm			PCS	3.0000 1 0.00 %	2003/10/03 N

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Report No.: IEBO\_P02  
 Prepared by 030002[陳建勳]

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Item No. PF01293 Version  
 DESCRIPTION: RSA 27 UNIT: PCS  
 RSA 27 ALTO 230V Date: 2003/10/03

Version	Item No	Loss %	Ver.	Unit	Cardinal	Effective Date
Component Remark	Item Descri				Usage Rate	@:Phantom Layer Attrition Rate
	LED5,LED6,LED7					
-0011-----	SA00054 L.E.D high intensity 3m/m round(yellow)long foot 26 LED1,LED2,LED3			PCS	3.0000 1 0.00 %	2003/10/03 N
-0018-----	HK00466 PC board			PCS	1.0000 1 0.00 %	2003/10/03 N
-0001-----	P-RSA 27DIS2.5K-DIP HA01918 jumper wire 4mm JP5,JP7			PCS	2.0000 1 0.00 %	2003/10/03 N
-0002-----	HA01920 jumper wire 6mm JP2			PCS	1.0000 1 0.00 %	2003/10/03 N
-0001-----	HA02249 wire φ0.6			M KG	0.0160 430 0.00 %	2002/09/19 N
-0003-----	HA01922 jumper wire 8mm JP1,JP3,JP4,JP6			PCS	4.0000 1 0.00 %	2003/10/03 N
-0001-----	HA02249 wire φ0.6			M KG	0.0180 1 0.00 %	2004/08/05 N
-0004-----	HA01925 jumper wire 10mm JP8			PCS	1.0000 1 0.00 %	2003/10/03 N
-0001-----	HA02249 wire φ0.6			M KG	0.0200 1 0.00 %	2004/08/05 N
-0005-----	HC00618 row pin (single)#1100 2.54 90° 12P 3.0/11mm J1			PCS	1.0000 1 0.00 %	2004/02/23 N
-0006-----	HK00465 PC board			PCS	1.0000 1 0.00 %	2003/10/03 N
-0001-----	P-RSA 27DIS2.5K-SMD CI00029 SMD ceramic capacitor 0805 0.1uF/50V Y5V C6			PCS	1.0000 1 0.00 %	2003/10/03 N
-0002-----	CI00026 SMD ceramic capacitor 0805 0.0033uF/50V X7R ±10% C1,C2			PCS	2.0000 1 0.00 %	2004/01/16 N
-0003-----	CI00075 SMD ceramic capacitor 0603 0.1uF/50V Y5V +80,-20% C3,C4,C5			PCS	3.0000 1 0.00 %	2003/10/03 N

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 Prepared by 030002[陳建勳]

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Item No. PF01293 Version  
 DESCRIPTION: RSA 27  
 RSA 27 ALTO 230V

UNIT: PCS  
 Date: 2003/10/03

Version	Item No	Loss %	Ver.	Unit	Cardinal	Effective Date
Component Remark	Item Descri				Usage Rate	@:Phantom Layer
					Attrition Rate	Rate
-0004-----	HB01046 PCB RSA 27DIS(1*16)_VER031118			PCS	1.0000 1	2003/10/03 N
-0005-----	RD00002 SMD fixed resistor 1/10W 0.0Ω ±5% 0805 J2,J3,J4,J5			PCS	4.0000 1	2004/01/06 N
-0006-----	RD00059 SMD fixed resistor 1/10W 0.0Ω ±5% 0603 R9			PCS	1.0000 1	2003/10/03 N
-0007-----	RD00225 SMD precise resistor 1/10W 130KΩ ±1% 0603 R1			PCS	1.0000 1	2003/10/03 N
-0008-----	RD00266 SMD precise resistor 1/10W 30.1KΩ ±1% 0603 R7			PCS	1.0000 1	2003/10/03 N
-0009-----	RD00282 SMD precise resistor 1/10W 1.00KΩ ±1% 0603 R5,R10			PCS	2.0000 1	2003/10/03 N
-0010-----	RD00290 SMD precise resistor 1/10W 47.5KΩ ±1% 0603 R2,R3,R4			PCS	3.0000 1	2003/10/03 N
-0011-----	RD00396 SMD precise resistor 1/10W 1.15KΩ ±1% 0603 R8			PCS	1.0000 1	2003/10/03 N
-0012-----	RD00472 SMD precise resistor 1/10W 52.3KΩ ±1% 0603 R11			PCS	1.0000 1	2003/10/03 N
-0013-----	SE00011 SMD rectifier diode RLS4148 0.5A (LL-34) D1,D2,D3			PCS	3.0000 1	2003/10/03 N
-0014-----	SF00004 SMD transistor 2SA1036K(SOT-23)/(R) TR1			PCS	1.0000 1	2003/10/03 N
-0015-----	SG00116 SMD integrated circuit BA1033FV E2 U2,U3			PCS	2.0000 1	2003/10/03 N
-0016-----	SG00122 SMD integrated circuit NJM4580M-TE3 U1			PCS	1.0000 1	2003/10/03 N



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Item No. PF01293 Version  
 DESCRIPTION: RSA 27  
 RSA 27 ALTO 230V

UNIT: PCS  
 Date: 2003/10/03

Version	Item No	Loss %	Ver.	Unit	Cardinal	Effective Date
Component Remark	Item Descri				Usage Rate	@:Phantom Layer Attrition Rate
-0007-----	NE11906 label RSA 27 DIS2.5K			PCS	1.0000 1	2003/10/03 N
-0001-----	NH00245 label 0.07*1M			M	1.0000 380	2003/12/05 N
-0002-----	NI00019 membrane 0.065*1M			M	1.0000 380	2003/12/05 N
-0008-----	RA00135 fixed resistor 1/2W 1.5kΩ M type R6			PCS	1.0000 1	2003/10/03 N
-0009-----	SA00052 L.E.D high intensity 3m/m round(green)long foot 26 LED4			PCS	1.0000 1	2003/10/03 N
-0010-----	SA00053 L.E.D high intensity 3m/m round(red)long foot 26mm LED5,LED6,LED7			PCS	3.0000 1	2003/10/03 N
-0011-----	SA00054 L.E.D high intensity 3m/m round(yellow)long foot 26 LED1,LED2,LED3			PCS	3.0000 1	2003/10/03 N
-0019-----	HK00468 PC board P-RSA 27DIS3.15K-DIP			PCS	1.0000 1	2003/10/03 N
-0001-----	HA01918 jumper wire 4mm JP5,JP7			PCS	2.0000 1	2003/10/03 N
-0002-----	HA01920 jumper wire 6mm JP2			PCS	1.0000 1	2003/10/03 N
-0001-----	HA02249 wire φ0.6			M	0.0160 430	2002/09/19 N
-0003-----	HA01922 jumper wire 8mm JP1,JP3,JP4,JP6			PCS	4.0000 1	2003/10/03 N
-0001-----	HA02249 wire φ0.6			M	0.0180 1	2004/08/05 N
-0004-----	HA01925 jumper wire 10mm JP8			PCS	1.0000 1	2003/10/03 N
-0001-----	HA02249 wire φ0.6			M	0.0200 1	2004/08/05 N
-0005-----	HC00618 row pin (single)#1100 2.54 90° 12P 3.0/11mm			PCS	1.0000 1	2004/02/23 N

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Item No. PF01293 Version  
 DESCRIPTION: RSA 27 UNIT: PCS  
 RSA 27\_ALTO\_230V Date: 2003/10/03

Version	Item No	Loss %	Ver.	Unit	Cardinal	Effective Date
Component Remark	Item Descri				Usage Rate	@:Phantom Layer
					Attrition	Rate
	J1					
0006-----	HK00467 PC board P-RSA 27DIS3.15K-SMD			PCS	1.0000 1	2003/10/03 N
0001-----	CI00029 SMD ceramic capacitor 0805 0.1uF/50V Y5V C6			PCS	1.0000 1	2003/10/03 N
0002-----	CI00026 SMD ceramic capacitor 0805 0.0033uF/50V X7R ±10% C1,C2			PCS	2.0000 1	2004/01/16 N
0003-----	CI00075 SMD ceramic capacitor 0603 0.1uF/50V Y5V +80,-20% C3,C4,C5			PCS	3.0000 1	2003/10/03 N
0004-----	HB01046 PCB RSA 27DIS(1*16)_VER031118			PCS	1.0000 1	2003/10/03 N
0005-----	RD00002 SMD fixed resistor 1/10W 0.0Ω ±5% 0805 J2,J3,J4,J5			PCS	4.0000 1	2004/01/06 N
0006-----	RD00059 SMD fixed resistor 1/10W 0.0Ω ±5% 0603 R9,R10			PCS	2.0000 1	2003/10/03 N
0007-----	RD00219 SMD precise resistor 1/10W 20.0KΩ ±1% 0603 R7			PCS	1.0000 1	2003/10/03 N
0008-----	RD00282 SMD precise resistor 1/10W 1.00KΩ ±1% 0603 R5			PCS	1.0000 1	2003/10/03 N
0009-----	RD00290 SMD precise resistor 1/10W 47.5KΩ ±1% 0603 R2,R3,R4			PCS	3.0000 1	2003/10/03 N
0010-----	RD00317 SMD precise resistor 1/10W 39.2KΩ ±1% 0603 R11			PCS	1.0000 1	2003/10/03 N
0011-----	RD00423 SMD precise resistor 1/10W 105KΩ ±1% 0603 R1			PCS	1.0000 1	2003/10/03 N
0012-----	RD00425 SMD precise resistor 1/10W 1.65KΩ ±1% 0603 R8			PCS	1.0000 1	2003/10/03 N

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Item No. PF01293 Version  
 DESCRIPTION: RSA 27 UNIT: PCS  
 RSA 27\_ALTO\_230V Date: 2003/10/03

Version	Item No	Loss %	Ver.	Unit	Cardinal	Effective Date
Component Remark	Item Descri				Usage Rate	@:Phantom Layer
					Attrition Rate	Rate
-0013-----	SE00011 SMD rectifier diode RLS4148 0.5A (LL-34) D1,D2,D3			PCS	3.0000 1 0.00 %	2003/10/03 N
-0014-----	SF00004 SMD transistor 2SA1036K(SOT-23)/(R) TR1			PCS	1.0000 1 0.00 %	2003/10/03 N
-0015-----	SG00116 SMD integrated circuit BA1033FV E2 U2,U3			PCS	2.0000 1 0.00 %	2003/10/03 N
-0016-----	SG00122 SMD integrated circuit NJM4580M-TE3 U1			PCS	1.0000 1 0.00 %	2003/10/03 N
-0007-----	NE11910 label RSA 27 DIS3.15K			PCS	1.0000 1 0.00 %	2003/10/03 N
-0001-----	NH00245 label 0.07*1M			M	1.0000 380 0.00 %	2003/12/05 N
-0002-----	NI00019 membrane 0.065*1M			M	1.0000 380 0.00 %	2003/12/05 N
-0008-----	RA00135 fixed resistor 1/2W 1.5kΩ M type R6			PCS	1.0000 1 0.00 %	2003/10/03 N
-0009-----	SA00052 L.E.D high intensity 3m/m round(green)long foot 26 LED4			PCS	1.0000 1 0.00 %	2003/10/03 N
-0010-----	SA00053 L.E.D high intensity 3m/m round(red)long foot 26mm LED5,LED6,LED7			PCS	3.0000 1 0.00 %	2003/10/03 N
-0011-----	SA00054 L.E.D high intensity 3m/m round(yellow)long foot 26 LED1,LED2,LED3			PCS	3.0000 1 0.00 %	2003/10/03 N
-0020-----	HK00470 PC board P-RSA 27DIS4K-DIP			PCS	1.0000 1 0.00 %	2003/10/03 N
-0001-----	HA01918 jumper wire 4mm JP5,JP7			PCS	2.0000 1 0.00 %	2003/10/03 N
-0002-----	HA01920 jumper wire 6mm JP2			PCS	1.0000 1 0.00 %	2003/10/03 N

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Item No. PF01293 Version  
 DESCRIPTION: RSA 27 UNIT: PCS  
 RSA 27 ALTO 230V Date: 2003/10/03

Version	Item No	Loss %	Ver.	Unit	Cardinal	Effective Date
Component Remark	Item Descri				Usage Rate	@:Phantom Layer
					Attrition	Rate
-0001-----	HA02249 wire φ 0.6			M KG	0.0160 430	2002/09/19 N
-0003-----	HA01922 jumper wire 8mm JP1,JP3,JP4,JP6			PCS	4.0000 1	2003/10/03 N
-0001-----	HA02249 wire φ 0.6			M KG	0.0180 1	2004/08/05 N
-0004-----	HA01925 jumper wire 10mm JP8			PCS	1.0000 1	2003/10/03 N
-0001-----	HA02249 wire φ 0.6			M KG	0.0200 1	2004/08/05 N
-0005-----	HC00618 row pin (single)#1100 2.54 90° 12P 3.0/11mm J1			PCS	1.0000 1	2004/02/23 N
-0006-----	HK00469 PC board P-RSA 27DIS4K-SMD			PCS	1.0000 1	2003/10/03 N
-0001-----	CI00029 SMD ceramic capacitor 0805 0.1uF/50V Y5V C6			PCS	1.0000 1	2003/10/03 N
-0002-----	CI00026 SMD ceramic capacitor 0805 0.0033uF/50V X7R ±10% C1,C2			PCS	2.0000 1	2004/01/16 N
-0003-----	CI00075 SMD ceramic capacitor 0603 0.1uF/50V Y5V +80,-20% C3,C4,C5			PCS	3.0000 1	2003/10/03 N
-0004-----	HB01046 PCB RSA 27DIS(1*16)_VER031118			PCS	1.0000 1	2003/10/03 N
-0005-----	RD00002 SMD fixed resistor 1/10W 0.0Ω ±5% 0805 J2,J3,J4,J5			PCS	4.0000 1	2004/01/06 N
-0006-----	RD00059 SMD fixed resistor 1/10W 0.0Ω ±5% 0603 R9,R10			PCS	2.0000 1	2003/10/03 N
-0007-----	RD00201 SMD precise resistor 1/10W 1.50KΩ ±1% 0603 R8			PCS	1.0000 1	2003/10/03 N
-0008-----	RD00214 SMD precise resistor 1/10W 10.0KΩ ±1% 0603 R11			PCS	1.0000 1	2003/10/03 N

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Item No. PF01293 Version  
 DESCRIPTION: RSA 27 UNIT: PCS  
 RSA 27 ALTO\_230V Date: 2003/10/03

Version	Item No	Loss %	Ver.	Unit	Cardinal	Effective Date
Component Remark	Item Descri				Usage Rate	@:Phantom Layer
					Attrition	Rate
0009-----	RD00282 SMD precise resistor 1/10W 1.00KΩ ±1% 0603 R5			PCS	1.0000 1 0.00 %	2003/10/03 N
0010-----	RD00290 SMD precise resistor 1/10W 47.5KΩ ±1% 0603 R2,R3,R4			PCS	3.0000 1 0.00 %	2003/10/03 N
0011-----	RD00358 SMD precise resistor 1/10W 18.2KΩ ±1% 0603 R7			PCS	1.0000 1 0.00 %	2003/10/03 N
0012-----	RD00423 SMD precise resistor 1/10W 105KΩ ±1% 0603 R1			PCS	1.0000 1 0.00 %	2003/10/03 N
0013-----	SE00011 SMD rectifier diode RLS4148 0.5A (LL-34) D1,D2,D3			PCS	3.0000 1 0.00 %	2003/10/03 N
0014-----	SF00004 SMD transistor 2SA1036K(SOT-23)/(R) TR1			PCS	1.0000 1 0.00 %	2003/10/03 N
0015-----	SG00116 SMD integrated circuit BA1033FV E2 U2,U3			PCS	2.0000 1 0.00 %	2003/10/03 N
0016-----	SG00122 SMD integrated circuit NJM4580M-TE3 U1			PCS	1.0000 1 0.00 %	2003/10/03 N
0007-----	NE11914 label RSA 27 DIS4K			PCS	1.0000 1 0.00 %	2003/10/03 N
0001-----	NH00245 label 0.07*1M			M	1.0000 380 0.00 %	2003/12/05 N
0002-----	NI00019 membrane 0.065*1M			M	1.0000 380 0.00 %	2003/12/05 N
0008-----	RA00135 fixed resistor 1/2W 1.5kΩ M type R6			PCS	1.0000 1 0.00 %	2003/10/03 N
0009-----	SA00052 L.E.D high intensity 3m/m round(green)long foot 26 LED4			PCS	1.0000 1 0.00 %	2003/10/03 N
0010-----	SA00053 L.E.D high intensity 3m/m round(red)long foot 26mm			PCS	3.0000 1 0.00 %	2003/10/03 N

Multi-Level BOM Structure Listing

Report No.: IEBO\_P02  
 Prepared by 030002[陳建勳]

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Item No. PF01293 Version  
 DESCRIPTION: RSA 27 UNIT: PCS  
 RSA 27 ALTO 230V Date: 2003/10/03

Version	Item No	Loss %	Ver.	Unit	Cardinal	Effective Date
Component Remark	Item Descri				Usage Rate	@:Phantom Layer
					Attrition	Rate
	LED5,LED6,LED7					
-0011-----	SA00054 L.E.D high intensity 3m/m round(yellow)long foot 26 LED1,LED2,LED3			PCS	3.0000 1 0.00 %	2003/10/03 N
-0021-----	HK00472 PC board P-RSA 27DIS5K-DIP			PCS	1.0000 1 0.00 %	2003/10/03 N
-0001-----	HA01918 jumper wire 4mm JP5,JP7			PCS	2.0000 1 0.00 %	2003/10/03 N
-0002-----	HA01920 jumper wire 6mm JP2			PCS	1.0000 1 0.00 %	2003/10/03 N
-0001-----	HA02249 wire φ0.6			M KG	0.0160 430 0.00 %	2002/09/19 N
-0003-----	HA01922 jumper wire 8mm JP1,JP3,JP4,JP6			PCS	4.0000 1 0.00 %	2003/10/03 N
-0001-----	HA02249 wire φ0.6			M KG	0.0180 1 0.00 %	2004/08/05 N
-0004-----	HA01925 jumper wire 10mm JP8			PCS	1.0000 1 0.00 %	2003/10/03 N
-0001-----	HA02249 wire φ0.6			M KG	0.0200 1 0.00 %	2004/08/05 N
-0005-----	HC00618 row pin (single)#1100 2.54 90° 12P 3.0/11mm J1			PCS	1.0000 1 0.00 %	2004/02/23 N
-0006-----	HK00471 PC board P-RSA 27DIS5K-SMD			PCS	1.0000 1 0.00 %	2003/10/03 N
-0001-----	CI00029 SMD ceramic capacitor 0805 0.1uF/50V Y5V C6			PCS	1.0000 1 0.00 %	2003/10/03 N
-0002-----	CI00026 SMD ceramic capacitor 0805 0.0033uF/50V X7R ±10% C1,C2			PCS	2.0000 1 0.00 %	2004/01/16 N
-0003-----	CI00075 SMD ceramic capacitor 0603 0.1uF/50V Y5V +80,-20% C3,C4,C5			PCS	3.0000 1 0.00 %	2003/10/03 N

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Report No.: IEBO\_P02  
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Item No. PF01293 Version  
 DESCRIPTION: RSA 27 UNIT: PCS  
 RSA 27\_ALTO\_230V Date: 2003/10/03

Version	Item No	Loss %	Ver.	Unit	Cardinal	Effective Date
Component Remark	Item Descri				Usage Rate	@:Phantom Layer
					Attrition	Rate
-0004-----	HB01046 PCB			PCS	1.0000 1	2003/10/03 N
-0005-----	RSA 27DIS(1*16)_VER031118 RD00002 SMD fixed resistor 1/10W 0.0Ω ±5% 0805 J2,J3,J4,J5			PCS	0.00 4.0000 1	% 2004/01/06 N
-0006-----	RD00059 SMD fixed resistor 1/10W 0.0Ω ±5% 0603 R9,R10,R11			PCS	3.0000 1	2003/10/03 N
-0007-----	RD00282 SMD precise resistor 1/10W 1.00KΩ ±1% 0603 R5,R8			PCS	2.0000 1	2003/10/03 N
-0008-----	RD00290 SMD precise resistor 1/10W 47.5KΩ ±1% 0603 R9,R10,R11			PCS	3.0000 1	2003/10/03 N
-0009-----	RD00334 SMD precise resistor 1/10W 11.0KΩ ±1% 0603 R7			PCS	1.0000 1	2003/10/03 N
-0010-----	RD00438 SMD precise resistor 1/10W 90.9KΩ ±1% 0603 R1			PCS	1.0000 1	2003/10/03 N
-0011-----	SE00011 SMD rectifier diode RLS4148 0.5A (LL-34) D1,D2,D3			PCS	3.0000 1	2003/10/03 N
-0012-----	SF00004 SMD transistor 2SA1036K(SOT-23)/(R) TR1			PCS	1.0000 1	2003/10/03 N
-0013-----	SG00116 SMD integrated circuit BA1033FV E2 U2,U3			PCS	2.0000 1	2003/10/03 N
-0014-----	SG00122 SMD integrated circuit NJM4580M-TE3 U1			PCS	1.0000 1	2003/10/03 N
-0007-----	NE11917 label			PCS	1.0000 1	2003/10/03 N
-0001-----	RSA 27 DIS5K NH00245 label			M	0.00 1.0000 380	% 2003/12/05 N
-0002-----	0.07*1M NI00019 membrane			M	0.00 1.0000 380	% 2003/12/05 N
	0.065*1M				0.00	%

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Report No.: IEBO\_P02  
 Prepared by 030002[陳建勳]

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Item No. PF01293 Version  
 DESCRIPTION: RSA 27 UNIT: PCS  
 RSA 27 ALTO\_230V Date: 2003/10/03

Version	Item No	Loss %	Ver.	Unit	Cardinal	Effective Date
Component Remark	Item Descri				Usage Rate	@:Phantom Layer
					Attrition	Rate
-0008-----	RA00135 fixed resistor 1/2W 1.5kΩ M type R6			PCS	1.0000 1 0.00 %	2003/10/03 N
-0009-----	SA00052 L.E.D high intensity 3m/m round(green)long foot 26 LED4			PCS	1.0000 1 0.00 %	2003/10/03 N
-0010-----	SA00053 L.E.D high intensity 3m/m round(red)long foot 26mm LED5,LED6,LED7			PCS	3.0000 1 0.00 %	2003/10/03 N
-0011-----	SA00054 L.E.D high intensity 3m/m round(yellow)long foot 26 LED1,LED2,LED3			PCS	3.0000 1 0.00 %	2003/10/03 N
-0022-----	HK00474 PC board P-RSA 27DIS6.3K-DIP			PCS	1.0000 1 0.00 %	2003/10/03 N
-0001-----	HA01918 jumper wire 4mm JP5,JP7			PCS	2.0000 1 0.00 %	2003/10/03 N
-0002-----	HA01920 jumper wire 6mm JP2			PCS	1.0000 1 0.00 %	2003/10/03 N
-0001-----	HA02249 wire φ0.6			M KG	0.0160 430 0.00 %	2002/09/19 N
-0003-----	HA01922 jumper wire 8mm JP1,JP3,JP4,JP6			PCS	4.0000 1 0.00 %	2003/10/03 N
-0001-----	HA02249 wire φ0.6			M KG	0.0180 1 0.00 %	2004/08/05 N
-0004-----	HA01925 jumper wire 10mm JP8			PCS	1.0000 1 0.00 %	2003/10/03 N
-0001-----	HA02249 wire φ0.6			M KG	0.0200 1 0.00 %	2004/08/05 N
-0005-----	HC00618 row pin (single)#1100 2.54 90° 12P 3.0/11mm J1			PCS	1.0000 1 0.00 %	2004/02/23 N
-0006-----	HK00473 PC board P-RSA 27DIS6.3K-SMD			PCS	1.0000 1 0.00 %	2003/10/03 N
-0001-----	CI00029 SMD ceramic capacitor 0805 0.1uF/50V Y5V C6			PCS	1.0000 1 0.00 %	2003/10/03 N



Multi-Level BOM Structure Listing

Report No.: IEBO\_P02  
 Prepared by 030002[陳建勳]

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Item No. PF01293 Version  
 DESCRIPTION: RSA 27 UNIT: PCS  
 RSA 27 ALTO\_230V Date: 2003/10/03

Version	Item No	Loss %	Ver.	Unit	Cardinal	Effective Date
Component Remark	Item Descri				Usage Rate	@:Phantom Layer
					Attrition	Rate
-0002-----	CI00026 SMD ceramic capacitor 0805 0.0033uF/50V X7R ±10% C1,C2			PCS	2.0000 1 0.00 %	2004/01/16 N
-0003-----	CI00075 SMD ceramic capacitor 0603 0.1uF/50V Y5V +80,-20% C3,C4,C5			PCS	3.0000 1 0.00 %	2003/10/03 N
-0004-----	HB01046 PCB RSA 27DIS(1*16)_VER031118			PCS	1.0000 1 0.00 %	2003/10/03 N
-0005-----	RD00002 SMD fixed resistor 1/10W 0.0Ω ±5% 0805 J2,J3,J4,J5			PCS	4.0000 1 0.00 %	2004/01/06 N
-0006-----	RD00059 SMD fixed resistor 1/10W 0.0Ω ±5% 0603 R9			PCS	1.0000 1 0.00 %	2003/10/03 N
-0007-----	RD00209 SMD precise resistor 1/10W 4.99KΩ ±1% 0603 R11			PCS	1.0000 1 0.00 %	2003/10/03 N
-0008-----	RD00281 SMD precise resistor 1/10W 806Ω ±1% 0603 R8			PCS	1.0000 1 0.00 %	2003/10/03 N
-0009-----	RD00282 SMD precise resistor 1/10W 1.00KΩ ±1% 0603 R5			PCS	1.0000 1 0.00 %	2003/10/03 N
-0010-----	RD00290 SMD precise resistor 1/10W 47.5KΩ ±1% 0603 R2,R3,R4			PCS	3.0000 1 0.00 %	2003/10/03 N
-0011-----	RD00298 SMD precise resistor 1/10W 47.0Ω ±1% 0603 R10			PCS	1.0000 1 0.00 %	2003/10/03 N
-0012-----	RD00334 SMD precise resistor 1/10W 11.0KΩ ±1% 0603 R7			PCS	1.0000 1 0.00 %	2003/10/03 N
-0013-----	RD00426 SMD precise resistor 1/10W 68.1KΩ ±1% 0603 R1			PCS	1.0000 1 0.00 %	2003/10/03 N
-0014-----	SE00011 SMD rectifier diode RLS4148 0.5A (LL-34) D1,D2,D3			PCS	3.0000 1 0.00 %	2003/10/03 N

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Report No.: IEBO\_P02  
 Prepared by 030002[陳建勳]

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Item No. PF01293 Version  
 DESCRIPTION: RSA 27 UNIT: PCS  
 RSA 27 ALTO\_230V Date: 2003/10/03

Version	Item No	Loss %	Ver.	Unit	Cardinal	Effective Date
Component Remark	Item Descri				Usage Rate	@:Phantom Layer
					Attrition	Rate
0015-----	SF00004 SMD transistor 2SA1036K(SOT-23)/(R) TR1			PCS	1.0000 1 0.00 %	2003/10/03 N
0016-----	SG00116 SMD integrated circuit BA1033FV E2 U2,U3			PCS	2.0000 1 0.00 %	2003/10/03 N
0017-----	SG00122 SMD integrated circuit NJM4580M-TE3 U1			PCS	1.0000 1 0.00 %	2003/10/03 N
0007-----	NE11918 label RSA 27 DIS6.3K			PCS	1.0000 1 0.00 %	2003/10/03 N
0001-----	NH00245 label 0.07*1M			M	1.0000 380 0.00 %	2003/12/05 N
0002-----	NI00019 membrane 0.065*1M			M	1.0000 380 0.00 %	2003/12/05 N
0008-----	RA00135 fixed resistor 1/2W 1.5kΩ M type R6			PCS	1.0000 1 0.00 %	2003/10/03 N
0009-----	SA00052 L.E.D high intensity 3m/m round(green)long foot 26 LED4			PCS	1.0000 1 0.00 %	2003/10/03 N
0010-----	SA00053 L.E.D high intensity 3m/m round(red)long foot 26mm LED5,LED6,LED7			PCS	3.0000 1 0.00 %	2003/10/03 N
0011-----	SA00054 L.E.D high intensity 3m/m round(yellow)long foot 26 LED1,LED2,LED3			PCS	3.0000 1 0.00 %	2003/10/03 N
0023-----	HK00476 PC board P-RSA 27DIS8K-DIP			PCS	1.0000 1 0.00 %	2003/10/03 N
0001-----	HA01918 jumper wire 4mm JP5,JP7			PCS	2.0000 1 0.00 %	2003/10/03 N
0002-----	HA01920 jumper wire 6mm JP2			PCS	1.0000 1 0.00 %	2003/10/03 N
0001-----	HA02249 wire φ0.6			M KG	0.0160 430 0.00 %	2002/09/19 N

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Report No.: IEBO\_P02  
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Item No. PF01293 Version  
 DESCRIPTION: RSA 27 UNIT: PCS  
 RSA 27 ALTO\_230V Date: 2003/10/03

Version	Item No	Loss %	Ver.	Unit	Cardinal	Effective Date
Component Remark	Item Descri				Usage Rate	@:Phantom Layer
					Attrition Rate	Rate
-0003-----	HA01922 jumper wire 8mm JP1,JP3,JP4,JP6			PCS	4.0000 1 0.00 %	2003/10/03 N
-0001-----	HA02249 wire φ0.6			M KG	0.0180 1 0.00 %	2004/08/05 N
-0004-----	HA01925 jumper wire 10mm JP8			PCS	1.0000 1 0.00 %	2003/10/03 N
-0001-----	HA02249 wire φ0.6			M KG	0.0200 1 0.00 %	2004/08/05 N
-0005-----	HC00618 row pin (single)#1100 2.54 90° 12P 3.0/11mm J1			PCS	1.0000 1 0.00 %	2004/02/23 N
-0006-----	HK00475 PC board P-RSA 27DIS8K-SMD			PCS	1.0000 1 0.00 %	2003/10/03 N
-0001-----	CI00029 SMD ceramic capacitor 0805 0.1uF/50V Y5V C6			PCS	1.0000 1 0.00 %	2003/10/03 N
-0002-----	CI00026 SMD ceramic capacitor 0805 0.0033uF/50V X7R ±10% C1,C2			PCS	2.0000 1 0.00 %	2004/01/16 N
-0003-----	CI00075 SMD ceramic capacitor 0603 0.1uF/50V Y5V +80,-20% C3,C4,C5			PCS	3.0000 1 0.00 %	2003/10/03 N
-0004-----	HB01046 PCB RSA 27DIS(1*16)_VER031118			PCS	1.0000 1 0.00 %	2003/10/03 N
-0005-----	RD00002 SMD fixed resistor 1/10W 0.0Ω ±5% 0805 J2,J3,J4,J5			PCS	4.0000 1 0.00 %	2004/01/06 N
-0006-----	RD00059 SMD fixed resistor 1/10W 0.0Ω ±5% 0603 R9,R10,R11			PCS	3.0000 1 0.00 %	2003/10/03 N
-0007-----	RD00280 SMD precise resistor 1/10W 619Ω ±1% 0603 R8			PCS	1.0000 1 0.00 %	2003/10/03 N
-0008-----	RD00282 SMD precise resistor 1/10W 1.00KΩ ±1% 0603 R5			PCS	1.0000 1 0.00 %	2003/10/03 N

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Item No. PF01293 Version  
 DESCRIPTION: RSA 27 UNIT: PCS  
 RSA 27 ALTO\_230V Date: 2003/10/03

Version	Item No	Loss %	Ver.	Unit	Cardinal	Effective Date
Component Remark	Item Descri				Usage Rate	@:Phantom Layer
					Attrition	Rate
-0009-----	RD00289 SMD precise resistor 1/10W 8.06KΩ ±1% 0603 R7			PCS	1.0000 1 0.00 %	2003/10/03 N
-0010-----	RD00290 SMD precise resistor 1/10W 47.5KΩ ±1% 0603 R2,R3,R4			PCS	3.0000 1 0.00 %	2003/10/03 N
-0011-----	RD00303 SMD precise resistor 1/10W 57.6KΩ ±1% 0603 R1			PCS	1.0000 1 0.00 %	2003/10/03 N
-0012-----	SE00011 SMD rectifier diode RLS4148 0.5A (LL-34) D1,D2,D3			PCS	3.0000 1 0.00 %	2003/10/03 N
-0013-----	SF00004 SMD transistor 2SA1036K(SOT-23)/(R) TR1			PCS	1.0000 1 0.00 %	2003/10/03 N
-0014-----	SG00116 SMD integrated circuit BA1033FV E2 U2,U3			PCS	2.0000 1 0.00 %	2003/10/03 N
-0015-----	SG00122 SMD integrated circuit NJM4580M-TE3 U1			PCS	1.0000 1 0.00 %	2003/10/03 N
-0007-----	NE11923 label RSA 27 DIS8K			PCS	1.0000 1 0.00 %	2003/10/03 N
-0001-----	NH00245 label 0.07*1M			M	1.0000 380 0.00 %	2003/12/05 N
-0002-----	NI00019 membrane 0.065*1M			M	1.0000 380 0.00 %	2003/12/05 N
-0008-----	RA00135 fixed resistor 1/2W 1.5kΩ M type R6			PCS	1.0000 1 0.00 %	2003/10/03 N
-0009-----	SA00052 L.E.D high intensity 3m/m round(green)long foot 26 LED4			PCS	1.0000 1 0.00 %	2003/10/03 N
-0010-----	SA00053 L.E.D high intensity 3m/m round(red)long foot 26mm LED5,LED6,LED7			PCS	3.0000 1 0.00 %	2003/10/03 N
-0011-----	SA00054 L.E.D high intensity 3m/m round(yellow)long foot 26 LED1,LED2,LED3			PCS	3.0000 1 0.00 %	2003/10/03 N

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 Prepared by 030002[陳建勳]

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Item No. PF01293  
 DESCRIPTION: RSA 27  
 RSA 27 ALTO 230V

Version

UNIT: PCS  
 Date: 2003/10/03

Version	Item No	Loss %	Ver.	Unit	Cardinal	Effective Date
Component Remark	Item Descri				Usage Rate	@:Phantom Layer Attrition Rate
0024-----	HK00478 PC board			PCS	1.0000 1	2003/10/03 N
0001-----	P-RSA 27DIS10K-DIP HA01918 jumper wire 4mm JP5,JP7			PCS	0.00 % 2.0000 1 0.00 %	2003/10/03 N
0002-----	HA01920 jumper wire 6mm JP2			PCS	1.0000 1 0.00 %	2003/10/03 N
0001-----	HA02249 wire φ0.6			M KG	0.0160 430 0.00 %	2002/09/19 N
0003-----	HA01922 jumper wire 8mm JP1,JP3,JP4,JP6			PCS	4.0000 1 0.00 %	2003/10/03 N
0001-----	HA02249 wire φ0.6			M KG	0.0180 1 0.00 %	2004/08/05 N
0004-----	HA01925 jumper wire 10mm JP8			PCS	1.0000 1 0.00 %	2003/10/03 N
0001-----	HA02249 wire φ0.6			M KG	0.0200 1 0.00 %	2004/08/05 N
0005-----	HC00618 row pin (single)#1100 2.54 90° 12P 3.0/11mm J1			PCS	1.0000 1 0.00 %	2004/02/23 N
0006-----	HK00477 PC board			PCS	1.0000 1	2003/10/03 N
0001-----	P-RSA 27DIS10K-SMD CI00029 SMD ceramic capacitor 0805 0.1uF/50V Y5V C6			PCS	0.00 % 1.0000 1 0.00 %	2003/10/03 N
0002-----	CI00026 SMD ceramic capacitor 0805 0.0033uF/50V X7R ±10% C1,C2			PCS	2.0000 1 0.00 %	2004/01/16 N
0003-----	CI00075 SMD ceramic capacitor 0603 0.1uF/50V Y5V +80,-20% C3,C4,C5			PCS	3.0000 1 0.00 %	2003/10/03 N
0004-----	HB01046 PCB			PCS	1.0000 1	2003/10/03 N
0005-----	RSA 27DIS(1*16)_VER031118 RD00002 SMD fixed resistor 1/10W 0.0Ω ±5% 0805 J2,J3,J4,J5			PCS	0.00 % 4.0000 1 0.00 %	2004/01/06 N

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 Prepared by 030002[陳建勳]

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Item No. PF01293 Version  
 DESCRIPTION: RSA 27 UNIT: PCS  
 RSA 27 ALTO\_230V Date: 2003/10/03

Version	Item No	Loss %	Ver.	Unit	Cardinal	Effective Date
Component Remark	Item Descri				Usage Rate	@:Phantom Layer
					Attrition	Rate
0006-----	RD00059 SMD fixed resistor 1/10W 0.0Ω ±5% 0603 R9,R10,R11			PCS	3.0000 1 0.00 %	2003/10/03 N
0007-----	RD00282 SMD precise resistor 1/10W 1.00KΩ ±1% 0603 R5			PCS	1.0000 1 0.00 %	2003/10/03 N
0008-----	RD00287 SMD precise resistor 1/10W 6.34KΩ ±1% 0603 R7			PCS	1.0000 1 0.00 %	2003/10/03 N
0009-----	RD00290 SMD precise resistor 1/10W 47.5KΩ ±1% 0603 R2,R3,R4			PCS	3.0000 1 0.00 %	2003/10/03 N
0010-----	RD00361 SMD precise resistor 1/10W 511Ω ±1% 0603 R8			PCS	1.0000 1 0.00 %	2003/10/03 N
0011-----	RD00437 SMD precise resistor 1/10W 44.2KΩ±1% 0603 R1			PCS	1.0000 1 0.00 %	2003/10/03 N
0012-----	SE00011 SMD rectifier diode RLS4148 0.5A (LL-34) D1,D2,D3			PCS	3.0000 1 0.00 %	2003/10/03 N
0013-----	SF00004 SMD transistor 2SA1036K(SOT-23)/(R) TR1			PCS	1.0000 1 0.00 %	2003/10/03 N
0014-----	SG00116 SMD integrated circuit BA1033FV E2 U2,U3			PCS	2.0000 1 0.00 %	2003/10/03 N
0015-----	SG00122 SMD integrated circuit NJM4580M-TE3 U1			PCS	1.0000 1 0.00 %	2003/10/03 N
0007-----	NE11901 label RSA 27 DIS10K			PCS	1.0000 1 0.00 %	2003/10/03 N
0001-----	NH00245 label 0.07*1M			M	1.0000 380 0.00 %	2003/12/05 N
0002-----	NI00019 membrane 0.065*1M			M	1.0000 380 0.00 %	2003/12/05 N
0008-----	RA00135 fixed resistor 1/2W 1.5kΩ M type			PCS	1.0000 1 0.00 %	2003/10/03 N

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 Prepared by 030002[陳建勳]

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Item No. PF01293 Version  
 DESCRIPTION: RSA 27 UNIT: PCS  
 RSA 27 ALTO 230V Date: 2003/10/03

Version	Item No	Loss %	Ver.	Unit	Cardinal	Effective Date
Component Remark	Item Descri				Usage Rate	@:Phantom Layer
					Attrition	Rate
	R6					
0009	SA00052 L.E.D high intensity 3m/m round(green)long foot 26 LED4			PCS	1.0000 1 0.00 %	2003/10/03 N
0010	SA00053 L.E.D high intensity 3m/m round(red)long foot 26mm LED5,LED6,LED7			PCS	3.0000 1 0.00 %	2003/10/03 N
0011	SA00054 L.E.D high intensity 3m/m round(yellow)long foot 26 LED1,LED2,LED3			PCS	3.0000 1 0.00 %	2003/10/03 N
0025	HK00480 PC board P-RSA 27DIS12.5K-DIP			PCS	1.0000 1 0.00 %	2003/10/03 N
0001	HA01918 jumper wire 4mm JP5,JP7			PCS	2.0000 1 0.00 %	2003/10/03 N
0002	HA01920 jumper wire 6mm JP2			PCS	1.0000 1 0.00 %	2003/10/03 N
0001	HA02249 wire φ0.6			M KG	0.0160 430 0.00 %	2002/09/19 N
0003	HA01922 jumper wire 8mm JP1,JP3,JP4,JP6			PCS	4.0000 1 0.00 %	2003/10/03 N
0001	HA02249 wire φ0.6			M KG	0.0180 1 0.00 %	2004/08/05 N
0004	HA01925 jumper wire 10mm JP8			PCS	1.0000 1 0.00 %	2003/10/03 N
0001	HA02249 wire φ0.6			M KG	0.0200 1 0.00 %	2004/08/05 N
0005	HCO0618 row pin (single)#1100 2.54 90° 12P 3.0/11mm J1			PCS	1.0000 1 0.00 %	2004/02/23 N
0006	HK00479 PC board P-RSA 27DIS12.5K-SMD			PCS	1.0000 1 0.00 %	2003/10/03 N
0001	CI00029 SMD ceramic capacitor 0805 0.1uF/50V Y5V C6			PCS	1.0000 1 0.00 %	2003/10/03 N

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Report No.: IEBO\_P02  
 Prepared by 030002[陳建勳]

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Item No. PF01293 Version  
 DESCRIPTION: RSA 27  
 RSA 27\_ALTO\_230V

UNIT: PCS  
 Date: 2003/10/03

Version	Item No Item Descri	Loss %	Ver.	Unit	Cardinal Usage Rate Attrition Rate	Effective Date @:Phantom Layer Rate
0002-----	CI00026 SMD ceramic capacitor 0805 0.0033uF/50V X7R ±10% C1,C2			PCS	2.0000 1 0.00 %	2004/01/16 N
0003-----	CI00075 SMD ceramic capacitor 0603 0.1uF/50V Y5V +80,-20% C3,C4,C5			PCS	3.0000 1 0.00 %	2003/10/03 N
0004-----	HB01046 PCB RSA 27DIS(1*16)_VER031118			PCS	1.0000 1 0.00 %	2003/10/03 N
0005-----	RD00002 SMD fixed resistor 1/10W 0.0Ω ±5% 0805 J2,J3,J4,J5			PCS	4.0000 1 0.00 %	2004/01/06 N
0006-----	RD00059 SMD fixed resistor 1/10W 0.0Ω ±5% 0603 R9,R11			PCS	2.0000 1 0.00 %	2003/10/03 N
0007-----	RD00278 SMD precise resistor 1/10W 301Ω ±1% 0603 R10			PCS	1.0000 1 0.00 %	2003/10/03 N
0008-----	RD00282 SMD precise resistor 1/10W 1.00KΩ ±1% 0603 R5			PCS	1.0000 1 0.00 %	2003/10/03 N
0009-----	RD00290 SMD precise resistor 1/10W 47.5KΩ ±1% 0603 R2,R3,R4			PCS	3.0000 1 0.00 %	2003/10/03 N
0010-----	RD00359 SMD precise resistor 1/10W 37.4KΩ ±1% 0603 R1			PCS	1.0000 1 0.00 %	2003/10/03 N
0011-----	RD00360 SMD precise resistor 1/10W 121Ω ±1% 0603 R8			PCS	1.0000 1 0.00 %	2003/10/03 N
0012-----	RD00365 SMD precise resistor 1/10W 5.62KΩ ±1% 0603 R7			PCS	1.0000 1 0.00 %	2003/10/03 N
0013-----	SE00011 SMD rectifier diode RLS4148 0.5A (LL-34) D1,D2,D3			PCS	3.0000 1 0.00 %	2003/10/03 N
0014-----	SF00004 SMD transistor 2SA1036K(SOT-23)/(R) TR1			PCS	1.0000 1 0.00 %	2003/10/03 N



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Report No.: IEBO\_P02  
 Prepared by 030002[陳建勳]

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Item No. PF01293 Version  
 DESCRIPTION: RSA 27 UNIT: PCS  
 RSA 27\_ALTO\_230V Date: 2003/10/03

Version	Item No	Loss %	Ver.	Unit	Cardinal	Effective Date
Component Remark	Item Descri				Usage Rate	@:Phantom Layer
					Attrition	Rate
-0015-----	SG00116 SMD integrated circuit BA1033FV E2 U2,U3			PCS	2.0000 1 0.00 %	2003/10/03 N
-0016-----	SG00122 SMD integrated circuit NJM4580M-TE3 U1			PCS	1.0000 1 0.00 %	2003/10/03 N
-0007-----	NE11902 label RSA 27 DIS12.5K			PCS	1.0000 1 0.00 %	2003/10/03 N
-0001-----	NH00245 label 0.07*1M			M	1.0000 380 0.00 %	2003/12/05 N
-0002-----	NI00019 membrane 0.065*1M			M	1.0000 380 0.00 %	2003/12/05 N
-0008-----	RA00135 fixed resistor 1/2W 1.5kΩ M type R6			PCS	1.0000 1 0.00 %	2003/10/03 N
-0009-----	SA00052 L.E.D high intensity 3m/m round(green)long foot 26 LED4			PCS	1.0000 1 0.00 %	2003/10/03 N
-0010-----	SA00053 L.E.D high intensity 3m/m round(red)long foot 26mm LED5,LED6,LED7			PCS	3.0000 1 0.00 %	2003/10/03 N
-0011-----	SA00054 L.E.D high intensity 3m/m round(yellow)long foot 26 LED1,LED2,LED3			PCS	3.0000 1 0.00 %	2003/10/03 N
-0026-----	HK00482 PC board P-RSA 27DIS16K-DIP			PCS	1.0000 1 0.00 %	2003/10/03 N
-0001-----	HA01918 jumper wire 4mm JP5,JP7			PCS	2.0000 1 0.00 %	2003/10/03 N
-0002-----	HA01920 jumper wire 6mm JP2			PCS	1.0000 1 0.00 %	2003/10/03 N
-0001-----	HA02249 wire φ0.6			M KG	0.0160 430 0.00 %	2002/09/19 N
-0003-----	HA01922 jumper wire 8mm JP1,JP3,JP4,JP6			PCS	4.0000 1 0.00 %	2003/10/03 N
-0001-----	HA02249 wire φ0.6			M KG	0.0180 1 0.00 %	2004/08/05 N

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Report No.: IEBO\_P02  
 Prepared by 030002[陳建勳]

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Item No. PF01293 Version  
 DESCRIPTION: RSA 27  
 RSA 27 ALTO 230V

UNIT: PCS  
 Date: 2003/10/03

Version	Item No	Loss %	Ver.	Unit	Cardinal	Effective Date
Component Remark	Item Descri				Usage Rate	@:Phantom Layer
					Attrition	Rate
-0004-----	HA01925 jumper wire 10mm JP8			PCS	1.0000 1 0.00 %	2003/10/03 N
-0001-----	HA02249 wire φ0.6			M KG	0.0200 1 0.00 %	2004/08/05 N
-0005-----	HC00618 row pin (single)#1100 2.54 90° 12P 3.0/11mm J1			PCS	1.0000 1 0.00 %	2004/02/23 N
-0006-----	HK00481 PC board P-RSA 27DIS16K-SMD			PCS	1.0000 1 0.00 %	2003/10/03 N
-0001-----	CI00029 SMD ceramic capacitor 0805 0.1uF/50V Y5V C6			PCS	1.0000 1 0.00 %	2003/10/03 N
-0002-----	CI00026 SMD ceramic capacitor 0805 0.0033uF/50V X7R ±10% C1,C2			PCS	2.0000 1 0.00 %	2004/01/16 N
-0003-----	CI00075 SMD ceramic capacitor 0603 0.1uF/50V Y5V +80,-20% C3,C4,C5			PCS	3.0000 1 0.00 %	2003/10/03 N
-0004-----	HB01046 PCB RSA 27DIS(1*16)_VER031118			PCS	1.0000 1 0.00 %	2003/10/03 N
-0005-----	RD00002 SMD fixed resistor 1/10W 0.0Ω ±5% 0805 J2,J3,J4,J5			PCS	4.0000 1 0.00 %	2004/01/06 N
-0006-----	RD00059 SMD fixed resistor 1/10W 0.0Ω ±5% 0603 R9,R10,R11			PCS	3.0000 1 0.00 %	2003/10/03 N
-0007-----	RD00076 SMD fixed resistor 1/10W 330Ω ±5% 0603 R8			PCS	1.0000 1 0.00 %	2003/10/03 N
-0008-----	RD00282 SMD precise resistor 1/10W 1.00KΩ ±1% 0603 R5			PCS	1.0000 1 0.00 %	2003/10/03 N
-0009-----	RD00290 SMD precise resistor 1/10W 47.5KΩ ±1% 0603 R2,R3,R4			PCS	3.0000 1 0.00 %	2003/10/03 N
-0010-----	RD00302 SMD precise resistor 1/10W 28.0KΩ ±1% 0603 R1			PCS	1.0000 1 0.00 %	2003/10/03 N

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Report No.: IEBO\_P02  
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Item No. PF01293 Version  
 DESCRIPTION: RSA 27 UNIT: PCS  
 Date: 2003/10/03  
 RSA 27 ALTO 230V

Version	Item No	Loss %	Ver.	Unit	Cardinal	Effective Date
Component Remark	Item Descri				Usage Rate	@:Phantom Layer
					Attrition	Rate
-0011-----	RD00364 SMD precise resistor 1/10W 4.02KΩ ±1% 0603 R7			PCS	1.0000 1 0.00 %	2003/10/03 N
-0012-----	SE00011 SMD rectifier diode RLS4148 0.5A (LL-34) D1,D2,D3			PCS	3.0000 1 0.00 %	2003/10/03 N
-0013-----	SF00004 SMD transistor 2SA1036K(SOT-23)/(R) TR1			PCS	1.0000 1 0.00 %	2003/10/03 N
-0014-----	SG00116 SMD integrated circuit BA1033FV E2 U2,U3			PCS	2.0000 1 0.00 %	2003/10/03 N
-0015-----	SG00122 SMD integrated circuit NJM4580M-TE3 U1			PCS	1.0000 1 0.00 %	2003/10/03 N
-0007-----	NE11904 label RSA 27 DIS16K			PCS	1.0000 1 0.00 %	2003/10/03 N
-0001-----	NH00245 label 0.07*1M			M	1.0000 380 0.00 %	2003/12/05 N
-0002-----	NI00019 membrane 0.065*1M			M	1.0000 380 0.00 %	2003/12/05 N
-0008-----	RA00135 fixed resistor 1/2W 1.5kΩ M type R6			PCS	1.0000 1 0.00 %	2003/10/03 N
-0009-----	SA00052 L.E.D high intensity 3m/m round(green)long foot 26 LED4			PCS	1.0000 1 0.00 %	2003/10/03 N
-0010-----	SA00053 L.E.D high intensity 3m/m round(red)long foot 26mm LED5,LED6,LED7			PCS	3.0000 1 0.00 %	2003/10/03 N
-0011-----	SA00054 L.E.D high intensity 3m/m round(yellow)long foot 26 LED1,LED2,LED3			PCS	3.0000 1 0.00 %	2003/10/03 N
-0027-----	HK02281 PC board P-RSA 27KMN-SMD			PCS	1.0000 1 0.00 %	2003/10/03 N
-0001-----	CI00055 SMD ceramic capacitor 0603 47PF/50V NPO ±5% C3			PCS	1.0000 1 0.00 %	2003/10/03 N

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Report No.: IEBO\_P02  
 Prepared by 030002[陳建勳]

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Item No. PF01293 Version  
 DESCRIPTION: RSA 27 UNIT: PCS  
 Date: 2003/10/03  
 RSA 27 ALTO 230V

Version	Item No	Loss %	Ver.	Unit	Cardinal	Effective Date
Component Remark	Item Descri				Usage Rate	@:Phantom Layer
					Attrition	Rate
-0002-----	CI00075 SMD ceramic capacitor 0603 0.1uF/50V Y5V +80,-20% C4,C5			PCS	2.0000 1 0.00 %	2003/10/03 N
-0003-----	HB01045 PCB RSA 27MN_VER040601			PCS	1.0000 1 0.00 %	2003/10/03 N
-0004-----	RD00074 SMD fixed resistor 1/10W 270Ω ±5% 0603 R13,R33			PCS	2.0000 1 0.00 %	2003/10/03 N
-0005-----	RD00078 SMD fixed resistor 1/10W 470Ω ±5% 0603 R42			PCS	1.0000 1 0.00 %	2003/10/03 N
-0006-----	RD00079 SMD fixed resistor 1/10W 560Ω ±5% 0603 R10,R30			PCS	2.0000 1 0.00 %	2003/10/03 N
-0007-----	RD00080 SMD fixed resistor 1/10W 680Ω ±5% 0603 R41			PCS	1.0000 1 0.00 %	2003/10/03 N
-0008-----	RD00203 SMD precise resistor 1/10W 2.00KΩ ±1% 0603 R15,R35			PCS	2.0000 1 0.00 %	2003/10/03 N
-0009-----	RD00206 SMD precise resistor 1/10W 3.57KΩ ±1% 0603 R16,R36			PCS	2.0000 1 0.00 %	2003/10/03 N
-0010-----	RD00214 SMD precise resistor 1/10W 10.0KΩ ±1% 0603 R3,R6,R9,R12,R23,R26,R29,R32,R43			PCS	9.0000 1 0.00 %	2003/10/03 N
-0011-----	RD00224 SMD precise resistor 1/10W 100KΩ ±1% 0603 R14,R17,R34,R37,R20,R40			PCS	6.0000 1 0.00 %	2003/10/03 N
-0012-----	RD00266 SMD precise resistor 1/10W 30.1KΩ ±1% 0603 R44			PCS	1.0000 1 0.00 %	2003/10/03 N
-0013-----	RD00278 SMD precise resistor 1/10W 301Ω ±1% 0603 R22			PCS	1.0000 1 0.00 %	2003/10/03 N
-0014-----	RD00282 SMD precise resistor 1/10W 1.00KΩ ±1% 0603 R8,R28			PCS	2.0000 1 0.00 %	2003/10/03 N

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Item No. PF01293 Version  
 DESCRIPTION: RSA 27  
 RSA 27\_ALTO\_230V

UNIT: PCS  
 Date: 2003/10/03

Version	Item No	Loss %	Ver.	Unit	Cardinal	Effective Date
Component Remark	Item Descri				Usage Rate	@:Phantom Layer
					Attrition	Rate
-0015-----	RD00290 SMD precise resistor 1/10W 47.5KΩ ±1% 0603 R45			PCS	1.0000 1 0.00 %	2003/10/03 N
-0016-----	RD00349 SMD fixed resistor 1/10W 910Ω ±5% 0603 R11,R31			PCS	2.0000 1 0.00 %	2003/10/03 N
-0017-----	RD00350 SMD fixed resistor 1/10W 1.1KΩ ±5% 0603 R19,R39			PCS	2.0000 1 0.00 %	2003/10/03 N
-0018-----	RD00351 SMD fixed resistor 1/10W 1.3KΩ ±5% 0603 R7,R18,R27,R38			PCS	4.0000 1 0.00 %	2003/10/03 N
-0019-----	RD00363 SMD precise resistor 1/10W 3.16KΩ ±1% 0603 R4,R24			PCS	2.0000 1 0.00 %	2003/10/03 N
-0020-----	RD00396 SMD precise resistor 1/10W 1.15KΩ ±1% 0603 R25			PCS	1.0000 1 0.00 %	2003/10/03 N
-0021-----	RD00405 SMD precise resistor 1/10W 1.18KΩ ±1% 0603 R5			PCS	1.0000 1 0.00 %	2003/10/03 N
-0022-----	RD00478 SMD precise resistor 1/10W 604Ω ±1% 0603 R21			PCS	1.0000 1 0.00 %	2003/10/03 N
-0023-----	SG00122 SMD integrated circuit NJM4580M-TE3 IC1			PCS	1.0000 1 0.00 %	2003/10/03 N
-0024-----	RD00201 SMD precise resistor 1/10W 1.50KΩ ±1% 0603 R46			PCS	1.0000 1 0.00 %	2004/04/16 N
-0028-----	HK02285 PC board P-RSA 27DIS40-DIP			PCS	1.0000 1 0.00 %	2003/10/03 N
-0001-----	HA01918 jumper wire 4mm JP5,JP7			PCS	2.0000 1 0.00 %	2003/10/03 N
-0002-----	HA01920 jumper wire 6mm JP2			PCS	1.0000 1 0.00 %	2003/10/03 N

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Item No. PF01293 Version  
 DESCRIPTION: RSA 27 UNIT: PCS  
 RSA 27 ALTO 230V Date: 2003/10/03

Version	Item No	Loss %	Ver.	Unit	Cardinal	Effective Date
Component Remark	Item Descri				Usage Rate	@:Phantom Layer
					Attrition	Rate
-0001-----	HA02249 wire φ 0.6			M KG	0.0160 430	2002/09/19 N
-0003-----	HA01922 jumper wire 8mm JP1,JP3,JP4,JP6			PCS	4.0000 1	2003/10/03 N
-0001-----	HA02249 wire φ 0.6			M KG	0.0180 1	2004/08/05 N
-0004-----	HA01925 jumper wire 10mm JP8			PCS	1.0000 1	2003/10/03 N
-0001-----	HA02249 wire φ 0.6			M KG	0.0200 1	2004/08/05 N
-0005-----	HC00618 row pin (single)#1100 2.54 90° 12P 3.0/11mm J1			PCS	1.0000 1	2004/02/23 N
-0006-----	HK02284 PC board P-RSA 27DIS40-SMD			PCS	1.0000 1	2003/10/03 N
-0001-----	CI00029 SMD ceramic capacitor 0805 0.1uF/50V Y5V C6			PCS	1.0000 1	2003/10/03 N
-0002-----	CI00075 SMD ceramic capacitor 0603 0.1uF/50V Y5V +80,-20% C3,C4,C5			PCS	3.0000 1	2003/10/03 N
-0003-----	CI00144 SMD ceramic capacitor 0805 0.15uF/50V X7R ±10% C1,C2			PCS	2.0000 1	2003/11/19 N
-0004-----	HB01046 PCB RSA 27DIS(1*16)_VER031118			PCS	1.0000 1	2003/10/03 N
-0005-----	RD00002 SMD fixed resistor 1/10W 0.0Ω ±5% 0805 J2,J3,J4,J5			PCS	4.0000 1	2004/01/06 N
-0006-----	RD00059 SMD fixed resistor 1/10W 0.0Ω ±5% 0603 R9,R10			PCS	2.0000 1	2003/10/03 N
-0007-----	RD00282 SMD precise resistor 1/10W 1.00KΩ ±1% 0603 R5			PCS	1.0000 1	2003/10/03 N
-0008-----	RD00290 SMD precise resistor 1/10W 47.5KΩ ±1% 0603 R2,R3,R4			PCS	3.0000 1	2003/10/03 N

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Item No. PF01293 Version  
 DESCRIPTION: RSA 27 UNIT: PCS  
 RSA 27 ALTO\_230V Date: 2003/10/03

Version	Item No	Loss %	Ver.	Unit	Cardinal	Effective Date
Component Remark	Item Descri				Usage Rate	@:Phantom Layer
					Attrition	Rate
0009-----	RD00291 SMD precise resistor 1/10W 301KΩ ±1% 0603 R1			PCS	1.0000 1 0.00 %	2003/10/03 N
0010-----	RD00203 SMD precise resistor 1/10W 2.00KΩ ±1% 0603 R8			PCS	1.0000 1 0.00 %	2003/11/19 N
0011-----	RD00422 SMD precise resistor 1/10W 78.7KΩ ±1% 0603 R11			PCS	1.0000 1 0.00 %	2003/10/03 N
0012-----	RD00426 SMD precise resistor 1/10W 68.1KΩ ±1% 0603 R7			PCS	1.0000 1 0.00 %	2003/10/03 N
0013-----	SE00011 SMD rectifier diode RLS4148 0.5A (LL-34) D1,D2,D3			PCS	3.0000 1 0.00 %	2003/10/03 N
0014-----	SF00004 SMD transistor 2SA1036K(SOT-23)/(R) TR1			PCS	1.0000 1 0.00 %	2003/10/03 N
0015-----	SG00116 SMD integrated circuit BA1033FV E2 U2,U3			PCS	2.0000 1 0.00 %	2003/10/03 N
0016-----	SG00122 SMD integrated circuit NJM4580M-TE3 U1			PCS	1.0000 1 0.00 %	2003/10/03 N
0007-----	NE11912 label RSA 27 DIS40			PCS	1.0000 1 0.00 %	2003/10/03 N
0001-----	NH00245 label 0.07*1M			M	1.0000 380 0.00 %	2003/12/05 N
0002-----	NI00019 membrane 0.065*1M			M	1.0000 380 0.00 %	2003/12/05 N
0008-----	RA00135 fixed resistor 1/2W 1.5kΩ M type R6			PCS	1.0000 1 0.00 %	2003/10/03 N
0009-----	SA00052 L.E.D high intensity 3m/m round(green)long foot 26 LED4			PCS	1.0000 1 0.00 %	2003/10/03 N
0010-----	SA00053 L.E.D high intensity 3m/m round(red)long foot 26mm			PCS	3.0000 1 0.00 %	2003/10/03 N

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Item No. PF01293 Version  
 DESCRIPTION: RSA 27 UNIT: PCS  
 RSA 27 ALTO 230V Date: 2003/10/03

Version	Item No	Loss %	Ver.	Unit	Cardinal	Effective Date
Component Remark	Item Descri				Usage Rate	@:Phantom Layer
					Attrition	Rate
	LED5,LED6,LED7					
-0011-----	SA00054 L.E.D high intensity 3m/m round(yellow)long foot 26 LED1,LED2,LED3			PCS	3.0000 1 0.00 %	2003/10/03 N
-0029-----	HK02287 PC board P-RSA 27DIS50-DIP			PCS	1.0000 1 0.00 %	2003/10/03 N
-0001-----	HA01918 jumper wire 4mm JP5,JP7			PCS	2.0000 1 0.00 %	2003/10/03 N
-0002-----	HA01920 jumper wire 6mm JP2			PCS	1.0000 1 0.00 %	2003/10/03 N
-0001-----	HA02249 wire φ0.6			M KG	0.0160 430 0.00 %	2002/09/19 N
-0003-----	HA01922 jumper wire 8mm JP1,JP3,JP4,JP6			PCS	4.0000 1 0.00 %	2003/10/03 N
-0001-----	HA02249 wire φ0.6			M KG	0.0180 1 0.00 %	2004/08/05 N
-0004-----	HA01925 jumper wire 10mm JP8			PCS	1.0000 1 0.00 %	2003/10/03 N
-0001-----	HA02249 wire φ0.6			M KG	0.0200 1 0.00 %	2004/08/05 N
-0005-----	HC00618 row pin (single)#1100 2.54 90° 12P 3.0/11mm J1			PCS	1.0000 1 0.00 %	2004/02/23 N
-0006-----	HK02286 PC board P-RSA 27DIS50-SMD			PCS	1.0000 1 0.00 %	2003/10/03 N
-0001-----	CI00029 SMD ceramic capacitor 0805 0.1uF/50V Y5V C6			PCS	1.0000 1 0.00 %	2003/10/03 N
-0002-----	CI00075 SMD ceramic capacitor 0603 0.1uF/50V Y5V +80,-20% C3,C4,C5			PCS	3.0000 1 0.00 %	2003/10/03 N
-0003-----	CI00144 SMD ceramic capacitor 0805 0.15uF/50V X7R ±10% C1,C2			PCS	2.0000 1 0.00 %	2003/11/19 N



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Item No. PF01293 Version  
 DESCRIPTION: RSA 27  
 RSA 27 ALTO 230V

UNIT: PCS  
 Date: 2003/10/03

Version	Item No	Loss %	Ver.	Unit	Cardinal	Effective Date
Component Remark	Item Descri				Usage Rate	@:Phantom Layer
					Attrition	Rate
-0004-----	HB01046 PCB RSA 27DIS(1*16)_VER031118			PCS	1.0000 1	2003/10/03 N
-0005-----	RD00002 SMD fixed resistor 1/10W 0.0Ω ±5% 0805 J2,J3,J4,J5			PCS	4.0000 1	2004/01/06 N
-0006-----	RD00475 SMD precise resistor 1/10W 243Ω ±1% 0603 R9,R10			PCS	2.0000 1	2003/11/19 N
-0007-----	RD00282 SMD precise resistor 1/10W 1.00KΩ ±1% 0603 R5			PCS	1.0000 1	2003/10/03 N
-0008-----	RD00290 SMD precise resistor 1/10W 47.5KΩ ±1% 0603 R2,R3,R4			PCS	3.0000 1	2003/10/03 N
-0009-----	RD00437 SMD precise resistor 1/10W 44.2KΩ±1% 0603 R7			PCS	1.0000 1	2003/11/19 N
-0010-----	RD00318 SMD precise resistor 1/10W 200KΩ ±1% 0603 R1			PCS	1.0000 1	2003/10/03 N
-0011-----	RD00201 SMD precise resistor 1/10W 1.50KΩ ±1% 0603 R8			PCS	1.0000 1	2003/11/19 N
-0012-----	RD00426 SMD precise resistor 1/10W 68.1KΩ ±1% 0603 R11			PCS	1.0000 1	2003/10/03 N
-0013-----	SE00011 SMD rectifier diode RLS4148 0.5A (LL-34) D1,D2,D3			PCS	3.0000 1	2003/10/03 N
-0014-----	SF00004 SMD transistor 2SA1036K(SOT-23)/(R) TR1			PCS	1.0000 1	2003/10/03 N
-0015-----	SG00116 SMD integrated circuit BA1033FV E2 U2,U3			PCS	2.0000 1	2003/10/03 N
-0016-----	SG00122 SMD integrated circuit NJM4580M-TE3 U1			PCS	1.0000 1	2003/10/03 N

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Item No. PF01293 Version  
 DESCRIPTION: RSA 27 UNIT: PCS  
 RSA 27 ALTO\_230V Date: 2003/10/03

Version	Item No	Loss %	Ver.	Unit	Cardinal	Effective Date
Component Remark	Item Descri				Usage Rate	@:Phantom Layer Attrition Rate
-0007-----	NE11915 label			PCS	1.0000 1	2003/10/03 N
-0001-----	RSA 27 DIS50 NH00245 label			M	0.00 380	% N
-0002-----	0.07*1M NI00019 membrane			M	1.0000 380	2003/12/05 N
-0008-----	0.065*1M RA00135 fixed resistor 1/2W			PCS	1.0000 1	2003/10/03 N
	1.5kΩ M type R6				0.00	%
-0009-----	SA00052 L.E.D high intensity			PCS	1.0000 1	2003/10/03 N
	3m/m round(green)long foot 26 LED4				0.00	%
-0010-----	SA00053 L.E.D high intensity			PCS	3.0000 1	2003/10/03 N
	3m/m round(red)long foot 26mm LED5,LED6,LED7				0.00	%
-0011-----	SA00054 L.E.D high intensity			PCS	3.0000 1	2003/10/03 N
	3m/m round(yellow)long foot 26 LED1,LED2,LED3				0.00	%
-0030-----	HK02289 PC board			PCS	1.0000 1	2003/10/03 N
-0001-----	P-RSA 27DIS63-DIP HA01918 jumper wire			PCS	2.0000 1	2003/10/03 N
	4mm JP5,JP7				0.00	%
-0002-----	HA01920 jumper wire			PCS	1.0000 1	2003/10/03 N
	6mm JP2				0.00	%
-0001-----	HA02249 wire			M	0.0160 430	2002/09/19 N
	φ0.6			KG	0.00	%
-0003-----	HA01922 jumper wire			PCS	4.0000 1	2003/10/03 N
	8mm JP1,JP3,JP4,JP6				0.00	%
-0001-----	HA02249 wire			M	0.0180 1	2004/08/05 N
	φ0.6			KG	0.00	%
-0004-----	HA01925 jumper wire			PCS	1.0000 1	2003/10/03 N
	10mm JP8				0.00	%
-0001-----	HA02249 wire			M	0.0200 1	2004/08/05 N
	φ0.6			KG	0.00	%
-0005-----	HC00618 row pin (single)#1100			PCS	1.0000 1	2004/02/23 N
	2.54 90° 12P 3.0/11mm				0.00	%

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Item No. PF01293 Version  
 DESCRIPTION: RSA 27 UNIT: PCS  
 RSA 27\_ALTO\_230V Date: 2003/10/03

Version	Item No	Loss %	Ver.	Unit	Cardinal	Effective Date
Component Remark	Item Descri				Usage Rate	@:Phantom Layer
					Attrition	Rate
	J1					
0006-----	HK02288 PC board P-RSA 27DIS63-SMD			PCS	1.0000 1	2003/10/03 N
0001-----	CI00029 SMD ceramic capacitor 0805 0.1uF/50V Y5V C6			PCS	0.00 % 1.0000 1	% 2003/10/03 N
0002-----	CI00075 SMD ceramic capacitor 0603 0.1uF/50V Y5V +80,-20% C3,C4,C5			PCS	0.00 % 3.0000 1	% 2003/11/19 N
0003-----	HB01046 PCB RSA 27DIS(1*16)_VER031118			PCS	1.0000 1	2003/10/03 N
0004-----	RD00002 SMD fixed resistor 1/10W 0.0Ω ±5% 0805 J2,J3,J4,J5			PCS	4.0000 1	2004/01/06 N
0005-----	RD00059 SMD fixed resistor 1/10W 0.0Ω ±5% 0603 R9			PCS	0.00 % 1.0000 1	% 2003/10/03 N
0006-----	RD00270 SMD precise resistor 1/10W 82.5KΩ ±1% 0603 R11			PCS	0.00 % 1.0000 1	% 2003/10/03 N
0007-----	RD00282 SMD precise resistor 1/10W 1.00KΩ ±1% 0603 R5			PCS	0.00 % 1.0000 1	% 2003/10/03 N
0008-----	RD00290 SMD precise resistor 1/10W 47.5KΩ ±1% 0603 R2,R3,R4			PCS	0.00 % 3.0000 1	% 2003/10/03 N
0009-----	RD00291 SMD precise resistor 1/10W 301KΩ ±1% 0603 R1			PCS	0.00 % 1.0000 1	% 2003/10/03 N
0010-----	RD00315 SMD precise resistor 1/10W 475Ω ±1% 0603 R10			PCS	0.00 % 1.0000 1	% 2003/10/03 N
0011-----	RD00351 SMD fixed resistor 1/10W 1.3KΩ ±5% 0603 R8			PCS	0.00 % 1.0000 1	% 2003/10/03 N
0012-----	RD00371 SMD precise resistor 1/10W 51.1KΩ ±1% 0603 R7			PCS	0.00 % 1.0000 1	% 2003/10/03 N

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Item No. PF01293 Version  
 DESCRIPTION: RSA 27 UNIT: PCS  
 RSA 27\_ALTO\_230V Date: 2003/10/03

Version	Item No	Loss %	Ver.	Unit	Cardinal	Effective Date
Component Remark	Item Descri				Usage Rate	@:Phantom Layer
					Attrition Rate	Rate
-0013-----	SE00011 SMD rectifier diode RLS4148 0.5A (LL-34) D1,D2,D3			PCS	3.0000 1 0.00 %	2003/10/03 N
-0014-----	SF00004 SMD transistor 2SA1036K(SOT-23)/(R) TR1			PCS	1.0000 1 0.00 %	2003/10/03 N
-0015-----	SG00116 SMD integrated circuit BA1033FV E2 U2,U3			PCS	2.0000 1 0.00 %	2003/10/03 N
-0016-----	SG00122 SMD integrated circuit NJM4580M-TE3 U1			PCS	1.0000 1 0.00 %	2003/10/03 N
-0017-----	CI00100 SMD ceramic capacitor 0805 0.1uF/50V X7R ±10% C1,C2			PCS	2.0000 1 0.00 %	2003/11/20
-0007-----	NE11919 label RSA 27 DIS63			PCS	1.0000 1 0.00 %	2003/10/03 N
-0001-----	NH00245 label 0.07*1M			M	1.0000 380 0.00 %	2003/12/05 N
-0002-----	NI00019 membrane 0.065*1M			M	1.0000 380 0.00 %	2003/12/05 N
-0008-----	RA00135 fixed resistor 1/2W 1.5kΩ M type R6			PCS	1.0000 1 0.00 %	2003/10/03 N
-0009-----	SA00052 L.E.D high intensity 3m/m round(green)long foot 26 LED4			PCS	1.0000 1 0.00 %	2003/10/03 N
-0010-----	SA00053 L.E.D high intensity 3m/m round(red)long foot 26mm LED5,LED6,LED7			PCS	3.0000 1 0.00 %	2003/10/03 N
-0011-----	SA00054 L.E.D high intensity 3m/m round(yellow)long foot 26 LED1,LED2,LED3			PCS	3.0000 1 0.00 %	2003/10/03 N
-0031-----	HK02291 PC board P-RSA 27DIS80-DIP			PCS	1.0000 1 0.00 %	2003/10/03 N
-0001-----	HA01918 jumper wire 4mm JP5,JP7			PCS	2.0000 1 0.00 %	2003/10/03 N

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Report No.: IEBO\_P02  
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Item No. PF01293 Version  
 DESCRIPTION: RSA 27 UNIT: PCS  
 RSA 27 ALTO\_230V Date: 2003/10/03

Version	Item No	Loss %	Ver.	Unit	Cardinal	Effective Date
Component Remark	Item Descri				Usage Rate	@:Phantom Layer
					Attrition	Rate
0002-----	HA01920 jumper wire 6mm JP2			PCS	1.0000 1 0.00 %	2003/10/03 N
0001-----	HA02249 wire φ0.6			M KG	0.0160 430 0.00 %	2002/09/19 N
0003-----	HA01922 jumper wire 8mm JP1,JP3,JP4,JP6			PCS	4.0000 1 0.00 %	2003/10/03 N
0001-----	HA02249 wire φ0.6			M KG	0.0180 1 0.00 %	2004/08/05 N
0004-----	HA01925 jumper wire 10mm JP8			PCS	1.0000 1 0.00 %	2003/10/03 N
0001-----	HA02249 wire φ0.6			M KG	0.0200 1 0.00 %	2004/08/05 N
0005-----	HC00618 row pin (single)#1100 2.54 90° 12P 3.0/11mm J1			PCS	1.0000 1 0.00 %	2004/02/23 N
0006-----	HK02290 PC board P-RSA 27DIS80-SMD			PCS	1.0000 1 0.00 %	2003/10/03 N
0001-----	CI00029 SMD ceramic capacitor 0805 0.1uF/50V Y5V C6			PCS	1.0000 1 0.00 %	2003/10/03 N
0002-----	CI00075 SMD ceramic capacitor 0603 0.1uF/50V Y5V +80,-20% C3,C4,C5			PCS	3.0000 1 0.00 %	2003/11/19 N
0003-----	HB01046 PCB RSA 27DIS(1*16)_VER031118			PCS	1.0000 1 0.00 %	2003/10/03 N
0004-----	RD00002 SMD fixed resistor 1/10W 0.0Ω ±5% 0805 J2,J3,J4,J5			PCS	4.0000 1 0.00 %	2004/01/06 N
0005-----	RD00059 SMD fixed resistor 1/10W 0.0Ω ±5% 0603 R9,R11			PCS	2.0000 1 0.00 %	2003/10/03 N
0006-----	RD00219 SMD precise resistor 1/10W 20.0KΩ ±1% 0603 R7			PCS	1.0000 1 0.00 %	2003/11/19 N
0007-----	RD00282 SMD precise resistor 1/10W 1.00KΩ ±1% 0603 R5			PCS	1.0000 1 0.00 %	2003/10/03 N

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Report No.: IEBO\_P02  
 Prepared by 030002[陳建勳]

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Item No. PF01293 Version  
 DESCRIPTION: RSA 27 UNIT: PCS  
 RSA 27 ALTO\_230V Date: 2003/10/03

Version	Item No	Loss %	Ver.	Unit	Cardinal	Effective Date
Component Remark	Item Descri				Usage Rate	@:Phantom Layer
					Attrition	Rate
0008-----	RD00284 SMD precise resistor 1/10W 2.21KΩ ±1% 0603 R8			PCS	1.0000 1 0.00 %	2003/10/03 N
0009-----	RD00290 SMD precise resistor 1/10W 47.5KΩ ±1% 0603 R2,R3,R4			PCS	3.0000 1 0.00 %	2003/10/03 N
0010-----	RD00363 SMD precise resistor 1/10W 3.16KΩ ±1% 0603 R10			PCS	1.0000 1 0.00 %	2003/10/03 N
0011-----	RD00438 SMD precise resistor 1/10W 90.9KΩ ±1% 0603 R1			PCS	1.0000 1 0.00 %	2003/10/03 N
0012-----	SE00011 SMD rectifier diode RLS4148 0.5A (LL-34) D1,D2,D3			PCS	3.0000 1 0.00 %	2003/10/03 N
0013-----	SF00004 SMD transistor 2SA1036K(SOT-23)/(R) TR1			PCS	1.0000 1 0.00 %	2003/10/03 N
0014-----	SG00116 SMD integrated circuit BA1033FV E2 U2,U3			PCS	2.0000 1 0.00 %	2003/10/03 N
0015-----	SG00122 SMD integrated circuit NJM4580M-TE3 U1			PCS	1.0000 1 0.00 %	2003/10/03 N
0016-----	CI00100 SMD ceramic capacitor 0805 0.1uF/50V X7R ±10% C1,C2			PCS	2.0000 1 0.00 %	2003/11/20 N
0007-----	NE11921 label RSA 27 DIS80			PCS	1.0000 1 0.00 %	2003/10/03 N
0001-----	NH00245 label 0.07*1M			M	1.0000 380 0.00 %	2003/12/05 N
0002-----	NI00019 membrane 0.065*1M			M	1.0000 380 0.00 %	2003/12/05 N
0008-----	RA00135 fixed resistor 1/2W 1.5kΩ M type R6			PCS	1.0000 1 0.00 %	2003/10/03 N
0009-----	SA00052 L.E.D high intensity 3m/m round(green)long foot 26			PCS	1.0000 1 0.00 %	2003/10/03 N

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Report No.: IEBO\_P02  
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Item No. PF01293 Version  
 DESCRIPTION: RSA 27 UNIT: PCS  
 RSA 27 ALTO 230V Date: 2003/10/03

Version	Item No	Loss %	Ver.	Unit	Cardinal	Effective Date
Component Remark	Item Descri				Usage Rate	@:Phantom Layer
					Attrition	Rate
	LED4					
-0010-----	SA00053 L.E.D high intensity 3m/m round(red)long foot 26mm LED5,LED6,LED7			PCS	3.0000 1 0.00 %	2003/10/03 N
-0011-----	SA00054 L.E.D high intensity 3m/m round(yellow)long foot 26 LED1,LED2,LED3			PCS	3.0000 1 0.00 %	2003/10/03 N
-0032-----	HK02293 PC board P-RSA 27DIS100-DIP			PCS	1.0000 1 0.00 %	2003/10/03 N
-0001-----	HA01918 jumper wire 4mm JP5,JP7			PCS	2.0000 1 0.00 %	2003/10/03 N
-0002-----	HA01920 jumper wire 6mm JP2			PCS	1.0000 1 0.00 %	2003/10/03 N
-0001-----	HA02249 wire φ0.6			M KG	0.0160 430 0.00 %	2002/09/19 N
-0003-----	HA01922 jumper wire 8mm JP1,JP3,JP4,JP6			PCS	4.0000 1 0.00 %	2003/10/03 N
-0001-----	HA02249 wire φ0.6			M KG	0.0180 1 0.00 %	2004/08/05 N
-0004-----	HA01925 jumper wire 10mm JP8			PCS	1.0000 1 0.00 %	2003/10/03 N
-0001-----	HA02249 wire φ0.6			M KG	0.0200 1 0.00 %	2004/08/05 N
-0005-----	HC00618 row pin (single)#1100 2.54 90° 12P 3.0/11mm J1			PCS	1.0000 1 0.00 %	2004/02/23 N
-0006-----	HK02292 PC board P-RSA 27DIS100-SMD			PCS	1.0000 1 0.00 %	2003/10/03 N
-0001-----	CI00029 SMD ceramic capacitor 0805 0.1uF/50V Y5V C6			PCS	1.0000 1 0.00 %	2003/10/03 N
-0002-----	CI00075 SMD ceramic capacitor 0603 0.1uF/50V Y5V +80,-20% C3,C4,C5			PCS	3.0000 1 0.00 %	2003/11/19 N

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 Prepared by 030002[陳建勳]

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Item No. PF01293  
 DESCRIPTION: RSA 27  
 RSA 27 ALTO 230V

Version

UNIT: PCS  
 Date: 2003/10/03

Version	Item No Item Descri	Loss %	Ver.	Unit	Cardinal Usage Rate Attrition Rate	Effective Date @:Phantom Layer Rate
-0003-----	HB01046 PCB RSA 27DIS(1*16)_VER031118			PCS	1.0000 1 0.00	2003/10/03 N %
-0004-----	RD00002 SMD fixed resistor 1/10W 0.0Ω ±5% 0805 J2,J3,J4,J5			PCS	4.0000 1 0.00	2004/01/06 N %
-0005-----	RD00059 SMD fixed resistor 1/10W 0.0Ω ±5% 0603 R9			PCS	1.0000 1 0.00	2003/10/03 N %
-0006-----	RD00221 SMD precise resistor 1/10W 27.4KΩ ±1% 0603 R7,R11			PCS	2.0000 1 0.00	2003/11/19 N %
-0007-----	RD00225 SMD precise resistor 1/10W 130KΩ ±1% 0603 R1			PCS	1.0000 1 0.00	2003/10/03 N %
-0008-----	RD00281 SMD precise resistor 1/10W 806Ω ±1% 0603 R10			PCS	1.0000 1 0.00	2003/10/03 N %
-0009-----	RD00282 SMD precise resistor 1/10W 1.00KΩ ±1% 0603 R5,R8			PCS	2.0000 1 0.00	2003/11/19 N %
-0010-----	RD00290 SMD precise resistor 1/10W 47.5KΩ ±1% 0603 R2,R3,R4			PCS	3.0000 1 0.00	2003/10/03 N %
-0011-----	SE00011 SMD rectifier diode RLS4148 0.5A (LL-34) D1,D2,D3			PCS	3.0000 1 0.00	2003/10/03 N %
-0012-----	SF00004 SMD transistor 2SA1036K(SOT-23)/(R) TR1			PCS	1.0000 1 0.00	2003/10/03 N %
-0013-----	SG00116 SMD integrated circuit BA1033FV E2 U2,U3			PCS	2.0000 1 0.00	2003/10/03 N %
-0014-----	SG00122 SMD integrated circuit NJM4580M-TE3 U1			PCS	1.0000 1 0.00	2003/10/03 N %
-0015-----	CI00100 SMD ceramic capacitor 0805 0.1uF/50V X7R ±10% C1,C2			PCS	2.0000 1 0.00	2003/11/20 N %



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Item No. PF01293 Version  
 DESCRIPTION: RSA 27 UNIT: PCS  
 RSA 27 ALTO\_230V Date: 2003/10/03

Version	Item No	Loss %	Ver.	Unit	Cardinal	Effective Date
Component Remark	Item Descri				Usage Rate	@:Phantom Layer Attrition Rate
-0007-----	NE11900 label RSA 27 DIS100			PCS	1.0000 1	2003/10/03 N
-0001-----	NH00245 label 0.07*1M			M	1.0000 380	2003/12/05 N
-0002-----	NI00019 membrane 0.065*1M			M	1.0000 380	2003/12/05 N
-0008-----	RA00135 fixed resistor 1/2W 1.5kΩ M type R6			PCS	1.0000 1	2003/10/03 N
-0009-----	SA00052 L.E.D high intensity 3m/m round(green)long foot 26 LED4			PCS	1.0000 1	2003/10/03 N
-0010-----	SA00053 L.E.D high intensity 3m/m round(red)long foot 26mm LED5,LED6,LED7			PCS	3.0000 1	2003/10/03 N
-0011-----	SA00054 L.E.D high intensity 3m/m round(yellow)long foot 26 LED1,LED2,LED3			PCS	3.0000 1	2003/10/03 N
-0033-----	HK02296 PC board P-RSA 27DIS125-DIP			PCS	1.0000 1	2003/10/03 N
-0001-----	HA01918 jumper wire 4mm JP5,JP7			PCS	2.0000 1	2003/10/03 N
-0002-----	HA01920 jumper wire 6mm JP2			PCS	1.0000 1	2003/10/03 N
-0001-----	HA02249 wire φ0.6			M KG	0.0160 430	2002/09/19 N
-0003-----	HA01922 jumper wire 8mm JP1,JP3,JP4,JP6			PCS	4.0000 1	2003/10/03 N
-0001-----	HA02249 wire φ0.6			M KG	0.0180 1	2004/08/05 N
-0004-----	HA01925 jumper wire 10mm JP8			PCS	1.0000 1	2003/10/03 N
-0001-----	HA02249 wire φ0.6			M KG	0.0200 1	2004/08/05 N
-0005-----	HC00618 row pin (single)#1100 2.54 90° 12P 3.0/11mm			PCS	1.0000 1	2004/02/23 N

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Item No. PF01293 Version  
 DESCRIPTION: RSA 27 UNIT: PCS  
 RSA 27\_ALTO\_230V Date: 2003/10/03

Version	Item No	Loss %	Ver.	Unit	Cardinal	Effective Date
Component Remark	Item Descri				Usage Rate	@:Phantom Layer
					Attrition	Rate
	J1					
0006-----	HK02295 PC board P-RSA 27DIS125-SMD			PCS	1.0000 1	2003/10/03 N
0001-----	CI00029 SMD ceramic capacitor 0805 0.1uF/50V Y5V C6			PCS	0.00 % 1.0000 1	% 2003/10/03 N
0002-----	CI00075 SMD ceramic capacitor 0603 0.1uF/50V Y5V +80,-20% C3,C4,C5			PCS	0.00 % 3.0000 1	% 2003/11/19 N
0003-----	HB01046 PCB RSA 27DIS(1*16)_VER031118			PCS	1.0000 1	2003/10/03 N
0004-----	RD00002 SMD fixed resistor 1/10W 0.0Ω ±5% 0805 J2,J3,J4,J5			PCS	0.00 % 4.0000 1	% 2004/01/06 N
0005-----	RD00059 SMD fixed resistor 1/10W 0.0Ω ±5% 0603 R9,R10			PCS	0.00 % 2.0000 1	% 2003/10/03 N
0006-----	RD00201 SMD precise resistor 1/10W 1.50KΩ ±1% 0603 R8			PCS	0.00 % 1.0000 1	% 2003/10/03 N
0007-----	RD00219 SMD precise resistor 1/10W 20.0KΩ ±1% 0603 R7,R11			PCS	0.00 % 2.0000 1	% 2003/10/03 N
0008-----	RD00224 SMD precise resistor 1/10W 100KΩ ±1% 0603 R1			PCS	0.00 % 1.0000 1	% 2003/10/03 N
0009-----	RD00282 SMD precise resistor 1/10W 1.00KΩ ±1% 0603 R5			PCS	0.00 % 1.0000 1	% 2003/10/03 N
0010-----	RD00290 SMD precise resistor 1/10W 47.5KΩ ±1% 0603 R2,R3,R4			PCS	0.00 % 3.0000 1	% 2003/10/03 N
0011-----	SE00011 SMD rectifier diode RLS4148 0.5A (LL-34) D1,D2,D3			PCS	0.00 % 3.0000 1	% 2003/10/03 N
0012-----	SF00004 SMD transistor 2SA1036K(SOT-23)/(R) TR1			PCS	0.00 % 1.0000 1	% 2003/10/03 N

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Item No. PF01293 Version  
 DESCRIPTION: RSA 27 UNIT: PCS  
 RSA 27\_ALTO\_230V Date: 2003/10/03

Version	Item No	Loss %	Ver.	Unit	Cardinal	Effective Date
Component Remark	Item Descri				Usage Rate	@:Phantom Layer
					Attrition	Rate
-0013-----	SG00116 SMD integrated circuit BA1033FV E2 U2,U3			PCS	2.0000 1 0.00 %	2003/10/03 N
-0014-----	SG00122 SMD integrated circuit NJM4580M-TE3 U1			PCS	1.0000 1 0.00 %	2003/10/03 N
-0015-----	CI00100 SMD ceramic capacitor 0805 0.1uF/50V X7R ±10% C1,C2			PCS	2.0000 1 0.00 %	2003/11/20
-0007-----	NE11932 label RSA 27 DIS125			PCS	1.0000 1 0.00 %	2003/10/03 N
-0001-----	NH00245 label 0.07*1M			M	1.0000 380 0.00 %	2003/12/05 N
-0002-----	NI00019 membrane 0.065*1M			M	1.0000 380 0.00 %	2003/12/05 N
-0008-----	RA00135 fixed resistor 1/2W 1.5kΩ M type R6			PCS	1.0000 1 0.00 %	2003/10/03 N
-0009-----	SA00052 L.E.D high intensity 3m/m round(green)long foot 26 LED4			PCS	1.0000 1 0.00 %	2003/10/03 N
-0010-----	SA00053 L.E.D high intensity 3m/m round(red)long foot 26mm LED5,LED6,LED7			PCS	3.0000 1 0.00 %	2003/10/03 N
-0011-----	SA00054 L.E.D high intensity 3m/m round(yellow)long foot 26 LED1,LED2,LED3			PCS	3.0000 1 0.00 %	2003/10/03 N
-0034-----	HK02298 PC board P-RSA 27DIS160-DIP			PCS	1.0000 1 0.00 %	2003/10/03 N
-0001-----	HA01918 jumper wire 4mm JP5,JP7			PCS	2.0000 1 0.00 %	2003/10/03 N
-0002-----	HA01920 jumper wire 6mm JP2			PCS	1.0000 1 0.00 %	2003/10/03 N
-0001-----	HA02249 wire φ0.6			M	0.0160 430 0.00 %	2002/09/19 N
-0003-----	HA01922 jumper wire 8mm JP1,JP3,JP4,JP6			PCS	4.0000 1 0.00 %	2003/10/03 N

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Item No. PF01293 Version  
 DESCRIPTION: RSA 27 UNIT: PCS  
 RSA 27 ALTO\_230V Date: 2003/10/03

Version	Item No	Loss %	Ver.	Unit	Cardinal	Effective Date
Component Remark	Item Descri				Usage Rate	@:Phantom Layer
					Attrition	Rate
-0001-----	HA02249 wire φ0.6			M KG	0.0180 1 0.00 %	2004/08/05 N
-0004-----	HA01925 jumper wire 10mm JP8			PCS	1.0000 1 0.00 %	2003/10/03 N
-0001-----	HA02249 wire φ0.6			M KG	0.0200 1 0.00 %	2004/08/05 N
-0005-----	HC00618 row pin (single)#1100 2.54 90° 12P 3.0/11mm J1			PCS	1.0000 1 0.00 %	2004/02/23 N
-0006-----	HK02297 PC board P-RSA 27DIS160-SMD			PCS	1.0000 1 0.00 %	2003/10/03 N
-0001-----	CI00029 SMD ceramic capacitor 0805 0.1uF/50V Y5V C6			PCS	1.0000 1 0.00 %	2003/10/03 N
-0002-----	CI00075 SMD ceramic capacitor 0603 0.1uF/50V Y5V +80,-20% C3,C4,C5			PCS	3.0000 1 0.00 %	2003/11/19 N
-0003-----	HB01046 PCB RSA 27DIS(1*16)_VER031118			PCS	1.0000 1 0.00 %	2003/10/03 N
-0004-----	RD00002 SMD fixed resistor 1/10W 0.0Ω ±5% 0805 J2,J3,J4,J5			PCS	4.0000 1 0.00 %	2004/01/06 N
-0005-----	RD00059 SMD fixed resistor 1/10W 0.0Ω ±5% 0603 R9,R10			PCS	2.0000 1 0.00 %	2003/10/03 N
-0006-----	RD00284 SMD precise resistor 1/10W 2.21KΩ ±1% 0603 R11			PCS	1.0000 1 0.00 %	2003/11/19 N
-0007-----	RD00368 SMD precise resistor 1/10W 16.5KΩ ±1% 0603 R7			PCS	1.0000 1 0.00 %	2003/11/19 N
-0008-----	RD00282 SMD precise resistor 1/10W 1.00KΩ ±1% 0603 R5			PCS	1.0000 1 0.00 %	2003/10/03 N
-0009-----	RD00290 SMD precise resistor 1/10W 47.5KΩ ±1% 0603 R2,R3,R4			PCS	3.0000 1 0.00 %	2003/10/03 N

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Item No. PF01293 Version  
 DESCRIPTION: RSA 27 UNIT: PCS  
 RSA 27\_ALTO\_230V Date: 2003/10/03

Version	Item No	Loss %	Ver.	Unit	Cardinal	Effective Date
Component Remark	Item Descri				Usage Rate	@:Phantom Layer
					Attrition	Rate
0010-----	RD00350 SMD fixed resistor 1/10W 1.1KΩ ±5% 0603 R8			PCS	1.0000 1 0.00 %	2003/11/19 N
0011-----	RD00474 SMD precise resistor 1/10W 93.1KΩ ±1% 0603 R1			PCS	1.0000 1 0.00 %	2003/10/03 N
0012-----	SE00011 SMD rectifier diode RLS4148 0.5A (LL-34) D1,D2,D3			PCS	3.0000 1 0.00 %	2003/10/03 N
0013-----	SF00004 SMD transistor 2SA1036K(SOT-23)/(R) TR1			PCS	1.0000 1 0.00 %	2003/10/03 N
0014-----	SG00116 SMD integrated circuit BA1033FV E2 U2,U3			PCS	2.0000 1 0.00 %	2003/10/03 N
0015-----	SG00122 SMD integrated circuit NJM4580M-TE3 U1			PCS	1.0000 1 0.00 %	2003/10/03 N
0016-----	CI00100 SMD ceramic capacitor 0805 0.1uF/50V X7R ±10% C1,C2			PCS	2.0000 1 0.00 %	2003/11/20 N
0007-----	NE11903 label RSA 27 DIS160			PCS	1.0000 1 0.00 %	2003/10/03 N
0001-----	NH00245 label 0.07*1M			M	1.0000 380 0.00 %	2003/12/05 N
0002-----	NI00019 membrane 0.065*1M			M	1.0000 380 0.00 %	2003/12/05 N
0008-----	RA00135 fixed resistor 1/2W 1.5kΩ M type R6			PCS	1.0000 1 0.00 %	2003/10/03 N
0009-----	SA00052 L.E.D high intensity 3m/m round(green)long foot 26 LED4			PCS	1.0000 1 0.00 %	2003/10/03 N
0010-----	SA00053 L.E.D high intensity 3m/m round(red)long foot 26mm LED5,LED6,LED7			PCS	3.0000 1 0.00 %	2003/10/03 N
0011-----	SA00054 L.E.D high intensity 3m/m round(yellow)long foot 26 LED1,LED2,LED3			PCS	3.0000 1 0.00 %	2003/10/03 N

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Report No.: IEBO\_P02  
 Prepared by 030002[陳建勳]

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Item No. PF01293  
 DESCRIPTION: RSA 27  
 RSA 27 ALTO 230V

Version

UNIT: PCS  
 Date: 2003/10/03

Version	Item No Item Descri	Loss %	Ver.	Unit	Cardinal Usage Rate Attrition Rate	Effective Date @:Phantom Layer Rate
0035-----	HK02300 PC board			PCS	1.0000 1	2003/10/03 N
0001-----	P-RSA 27DIS200-DIP HA01918 jumper wire 4mm JP5,JP7			PCS	0.00 % 2.0000 1 0.00 %	2003/10/03 N
0002-----	HA01920 jumper wire 6mm JP2			PCS	1.0000 1 0.00 %	2003/10/03 N
0001-----	HA02249 wire φ0.6			M KG	0.0160 430 0.00 %	2002/09/19 N
0003-----	HA01922 jumper wire 8mm JP1,JP3,JP4,JP6			PCS	4.0000 1 0.00 %	2003/10/03 N
0001-----	HA02249 wire φ0.6			M KG	0.0180 1 0.00 %	2004/08/05 N
0004-----	HA01925 jumper wire 10mm JP8			PCS	1.0000 1 0.00 %	2003/10/03 N
0001-----	HA02249 wire φ0.6			M KG	0.0200 1 0.00 %	2004/08/05 N
0005-----	HCO0618 row pin (single)#1100 2.54 90° 12P 3.0/11mm J1			PCS	1.0000 1 0.00 %	2004/02/23 N
0006-----	HK02299 PC board			PCS	1.0000 1	2003/10/03 N
0001-----	P-RSA 27DIS200-SMD CI00029 SMD ceramic capacitor 0805 0.1uF/50V Y5V C6			PCS	0.00 % 1.0000 1 0.00 %	2003/10/03 N
0002-----	CI00075 SMD ceramic capacitor 0603 0.1uF/50V Y5V +80,-20% C3,C4,C5			PCS	3.0000 1 0.00 %	2003/11/19 N
0003-----	HB01046 PCB			PCS	1.0000 1	2003/10/03 N
0004-----	RSA 27DIS(1*16)_VER031118 RD00002 SMD fixed resistor 1/10W 0.0Ω ±5% 0805 J2,J3,J4,J5			PCS	0.00 % 4.0000 1 0.00 %	2004/01/06 N
0005-----	RD00059 SMD fixed resistor 1/10W 0.0Ω ±5% 0603 R9,R11			PCS	2.0000 1 0.00 %	2003/10/03 N

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Report No.: IEBO\_P02  
 Prepared by 030002[陳建勳]

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Item No. PF01293 Version  
 DESCRIPTION: RSA 27 UNIT: PCS  
 Date: 2003/10/03  
 RSA 27 ALTO 230V

Version	Item No	Loss %	Ver.	Unit	Cardinal	Effective Date
Component Remark	Item Descri				Usage Rate	@:Phantom Layer
					Attrition	Rate
0006-----	RD00103 SMD fixed resistor 1/10W 15KΩ ±5% 0603 R7			PCS	1.0000 1 0.00 %	2003/10/03 N
0007-----	RD00273 SMD precise resistor 1/10W 51.1Ω ±1% 0603 R10			PCS	1.0000 1 0.00 %	2003/10/03 N
0008-----	RD00281 SMD precise resistor 1/10W 806Ω ±1% 0603 R8			PCS	1.0000 1 0.00 %	2003/10/03 N
0009-----	RD00282 SMD precise resistor 1/10W 1.00KΩ ±1% 0603 R5			PCS	1.0000 1 0.00 %	2003/10/03 N
0010-----	RD00290 SMD precise resistor 1/10W 47.5KΩ ±1% 0603 R2,R3,R4			PCS	3.0000 1 0.00 %	2003/10/03 N
0011-----	RD00422 SMD precise resistor 1/10W 78.7KΩ ±1% 0603 R1			PCS	1.0000 1 0.00 %	2003/10/03 N
0012-----	SE00011 SMD rectifier diode RLS4148 0.5A (LL-34) D1,D2,D3			PCS	3.0000 1 0.00 %	2003/10/03 N
0013-----	SF00004 SMD transistor 2SA1036K(SOT-23)/(R) TR1			PCS	1.0000 1 0.00 %	2003/10/03 N
0014-----	SG00116 SMD integrated circuit BA1033FV E2 U2,U3			PCS	2.0000 1 0.00 %	2003/10/03 N
0015-----	SG00122 SMD integrated circuit NJM4580M-TE3 U1			PCS	1.0000 1 0.00 %	2003/10/03 N
0016-----	CI00100 SMD ceramic capacitor 0805 0.1uF/50V X7R ±10% C1,C2			PCS	2.0000 1 0.00 %	2003/11/20
0007-----	NE11907 label RSA 27 DIS200			PCS	1.0000 1 0.00 %	2003/10/03 N
0001-----	NH00245 label 0.07*1M			M	1.0000 380 0.00 %	2003/12/05 N

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Item No. PF01293 Version  
 DESCRIPTION: RSA 27  
 RSA 27 ALTO 230V

UNIT: PCS  
 Date: 2003/10/03

Version	Item No	Loss %	Ver.	Unit	Cardinal	Effective Date
Component Remark	Item Descri				Usage Rate	@:Phantom Layer
					Attrition	Rate
-0002-----	NI00019 membrane 0.065*1M			M	1.0000 380	2003/12/05 N
-0008-----	RA00135 fixed resistor 1/2W 1.5kΩ M type R6			PCS	1.0000 1	2003/10/03 N
-0009-----	SA00052 L.E.D high intensity 3m/m round(green)long foot 26 LED4			PCS	1.0000 1	2003/10/03 N
-0010-----	SA00053 L.E.D high intensity 3m/m round(red)long foot 26mm LED5,LED6,LED7			PCS	3.0000 1	2003/10/03 N
-0011-----	SA00054 L.E.D high intensity 3m/m round(yellow)long foot 26 LED1,LED2,LED3			PCS	3.0000 1	2003/10/03 N
-0036-----	HK02302 PC board P-RSA 27DIS250-DIP			PCS	1.0000 1	2003/10/03 N
-0001-----	HA01918 jumper wire 4mm JP5,JP7			PCS	2.0000 1	2003/10/03 N
-0002-----	HA01920 jumper wire 6mm JP2			PCS	1.0000 1	2003/10/03 N
-0001-----	HA02249 wire φ0.6			M KG	0.0160 430	2002/09/19 N
-0003-----	HA01922 jumper wire 8mm JP1,JP3,JP4,JP6			PCS	4.0000 1	2003/10/03 N
-0001-----	HA02249 wire φ0.6			M KG	0.0180 1	2004/08/05 N
-0004-----	HA01925 jumper wire 10mm JP8			PCS	1.0000 1	2003/10/03 N
-0001-----	HA02249 wire φ0.6			M KG	0.0200 1	2004/08/05 N
-0005-----	HC00618 row pin (single)#1100 2.54 90° 12P 3.0/11mm J1			PCS	1.0000 1	2004/02/23 N
-0006-----	HK02301 PC board P-RSA 27DIS250-SMD			PCS	1.0000 1	2003/10/03 N



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Item No. PF01293  
 DESCRIPTION: RSA 27  
 RSA 27 ALTO 230V

Version

UNIT: PCS  
 Date: 2003/10/03

Version	Item No Item Descri	Loss %	Ver.	Unit	Cardinal Usage Rate Attrition Rate	Effective Date @:Phantom Layer Rate
0001-----	CI00029 SMD ceramic capacitor 0805 0.1uF/50V Y5V C6			PCS	1.0000 1 0.00 %	2003/10/03 N
0002-----	CI00075 SMD ceramic capacitor 0603 0.1uF/50V Y5V +80,-20% C3,C4,C5			PCS	3.0000 1 0.00 %	2003/10/03 N
0003-----	HB01046 PCB RSA 27DIS(1*16)_VER031118			PCS	1.0000 1 0.00 %	2003/10/03 N
0004-----	RD00002 SMD fixed resistor 1/10W 0.0Ω ±5% 0805 J2,J3,J4,J5			PCS	4.0000 1 0.00 %	2004/01/06 N
0005-----	RD00059 SMD fixed resistor 1/10W 0.0Ω ±5% 0603 R10,R11			PCS	2.0000 1 0.00 %	2003/10/03 N
0006-----	RD00282 SMD precise resistor 1/10W 1.00KΩ ±1% 0603 R5			PCS	1.0000 1 0.00 %	2003/10/03 N
0007-----	RD00290 SMD precise resistor 1/10W 47.5KΩ ±1% 0603 R2,R3,R4			PCS	3.0000 1 0.00 %	2003/10/03 N
0008-----	RD00302 SMD precise resistor 1/10W 28.0KΩ ±1% 0603 R7			PCS	1.0000 1 0.00 %	2003/10/03 N
0009-----	RD00350 SMD fixed resistor 1/10W 1.1KΩ ±5% 0603 R9			PCS	1.0000 1 0.00 %	2003/10/03 N
0010-----	RD00284 SMD precise resistor 1/10W 2.21KΩ ±1% 0603 R8			PCS	1.0000 1 0.00 %	2003/11/19 N
0011-----	SE00011 SMD rectifier diode RLS4148 0.5A (LL-34) D1,D2,D3			PCS	3.0000 1 0.00 %	2003/10/03 N
0012-----	SF00004 SMD transistor 2SA1036K(SOT-23)/(R) TR1			PCS	1.0000 1 0.00 %	2003/10/03 N
0013-----	SG00116 SMD integrated circuit BA1033FV E2 U2,U3			PCS	2.0000 1 0.00 %	2003/10/03 N

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Item No. PF01293 Version  
 DESCRIPTION: RSA 27 UNIT: PCS  
 RSA 27\_ALTO\_230V Date: 2003/10/03

Version	Item No	Loss %	Ver.	Unit	Cardinal	Effective Date
Component Remark	Item Descri				Usage Rate	@:Phantom Layer
					Attrition Rate	Rate
-0014-----	SG00122 SMD integrated circuit NJM4580M-TE3 U1			PCS	1.0000 1 0.00	2003/10/03 N %
-0015-----	CI00098 SMD ceramic capacitor 0805 0.033uF/50V X7R ±10% C1,C2			PCS	2.0000 1 0.00	2004/01/16 N %
-0016-----	RD00424 SMD fixed resistor 1/10W 180KΩ ±5% 0603 R1			PCS	1.0000 1 0.00	2004/03/22 N %
-0007-----	NE11908 label RSA 27 DIS250			PCS	1.0000 1 0.00	2003/10/03 N %
-0001-----	NH00245 label 0.07*1M			M	1.0000 380 0.00	2003/12/05 N %
-0002-----	NI00019 membrane 0.065*1M			M	1.0000 380 0.00	2003/12/05 N %
-0008-----	RA00135 fixed resistor 1/2W 1.5kΩ M type R6			PCS	1.0000 1 0.00	2003/10/03 N %
-0009-----	SA00052 L.E.D high intensity 3m/m round(green)long foot 26 LED4			PCS	1.0000 1 0.00	2003/10/03 N %
-0010-----	SA00053 L.E.D high intensity 3m/m round(red)long foot 26mm LED5,LED6,LED7			PCS	3.0000 1 0.00	2003/10/03 N %
-0011-----	SA00054 L.E.D high intensity 3m/m round(yellow)long foot 26 LED1,LED2,LED3			PCS	3.0000 1 0.00	2003/10/03 N %
-0037-----	HK02305 PC board P-RSA 27DIS315-DIP			PCS	1.0000 1 0.00	2003/10/03 N %
-0001-----	HA01918 jumper wire 4mm JP5,JP7			PCS	2.0000 1 0.00	2003/10/03 N %
-0002-----	HA01920 jumper wire 6mm JP2			PCS	1.0000 1 0.00	2003/10/03 N %
-0001-----	HA02249 wire φ0.6			M	0.0160 430 0.00	2002/09/19 N %
-0003-----	HA01922 jumper wire 8mm JP1,JP3,JP4,JP6			PCS	4.0000 1 0.00	2003/10/03 N %

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Item No. PF01293 Version  
 DESCRIPTION: RSA 27 UNIT: PCS  
 RSA 27 ALTO\_230V Date: 2003/10/03

Version	Item No	Loss %	Ver.	Unit	Cardinal	Effective Date
Component Remark	Item Descri				Usage Rate	@:Phantom Layer
					Attrition	Rate
-0001-----	HA02249 wire φ 0.6			M KG	0.0180 1 0.00 %	2004/08/05 N
-0004-----	HA01925 jumper wire 10mm JP8			PCS	1.0000 1 0.00 %	2003/10/03 N
-0001-----	HA02249 wire φ 0.6			M KG	0.0200 1 0.00 %	2004/08/05 N
-0005-----	HC00618 row pin (single)#1100 2.54 90° 12P 3.0/11mm J1			PCS	1.0000 1 0.00 %	2004/02/23 N
-0006-----	HK02304 PC board P-RSA 27DIS315-SMD			PCS	1.0000 1 0.00 %	2003/10/03 N
-0001-----	CI00029 SMD ceramic capacitor 0805 0.1uF/50V Y5V C6			PCS	1.0000 1 0.00 %	2003/10/03 N
-0002-----	CI00098 SMD ceramic capacitor 0805 0.033uF/50V X7R ±10% C1,C2			PCS	2.0000 1 0.00 %	2003/11/19 N
-0003-----	CI00075 SMD ceramic capacitor 0603 0.1uF/50V Y5V +80,-20% C3,C4,C5			PCS	3.0000 1 0.00 %	2003/10/03 N
-0004-----	HB01046 PCB RSA 27DIS(1*16)_VER031118			PCS	1.0000 1 0.00 %	2003/10/03 N
-0005-----	RD00002 SMD fixed resistor 1/10W 0.0Ω ±5% 0805 J2,J3,J4,J5			PCS	4.0000 1 0.00 %	2004/01/06 N
-0006-----	RD00059 SMD fixed resistor 1/10W 0.0Ω ±5% 0603 R9,R10,R11			PCS	3.0000 1 0.00 %	2003/10/03 N
-0007-----	RD00225 SMD precise resistor 1/10W 130KΩ ±1% 0603 R1			PCS	1.0000 1 0.00 %	2003/10/03 N
-0008-----	RD00282 SMD precise resistor 1/10W 1.00KΩ ±1% 0603 R5			PCS	1.0000 1 0.00 %	2003/10/03 N
-0009-----	RD00290 SMD precise resistor 1/10W 47.5KΩ ±1% 0603 R2,R3,R4			PCS	3.0000 1 0.00 %	2003/10/03 N

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Item No. PF01293 Version  
 DESCRIPTION: RSA 27 UNIT: PCS  
 RSA 27 ALTO\_230V Date: 2003/10/03

Version	Item No	Loss %	Ver.	Unit	Cardinal	Effective Date
Component Remark	Item Descri				Usage Rate	@:Phantom Layer
					Attrition	Rate
0010-----	RD00306 SMD fixed resistor 1/10W 20KΩ ±5% 0603 R7			PCS	1.0000 1 0.00 %	2003/10/03 N
0011-----	RD00425 SMD precise resistor 1/10W 1.65KΩ ±1% 0603 R8			PCS	1.0000 1 0.00 %	2003/10/03 N
0012-----	SE00011 SMD rectifier diode RLS4148 0.5A (LL-34) D1,D2,D3			PCS	3.0000 1 0.00 %	2003/10/03 N
0013-----	SF00004 SMD transistor 2SA1036K(SOT-23)/(R) TR1			PCS	1.0000 1 0.00 %	2003/10/03 N
0014-----	SG00116 SMD integrated circuit BA1033FV E2 U2,U3			PCS	2.0000 1 0.00 %	2003/10/03 N
0015-----	SG00122 SMD integrated circuit NJM4580M-TE3 U1			PCS	1.0000 1 0.00 %	2003/10/03 N
0007-----	NE11911 label RSA 27 DIS315			PCS	1.0000 1 0.00 %	2003/10/03 N
0001-----	NH00245 label 0.07*1M			M	1.0000 380 0.00 %	2003/12/05 N
0002-----	NI00019 membrane 0.065*1M			M	1.0000 380 0.00 %	2003/12/05 N
0008-----	RA00135 fixed resistor 1/2W 1.5kΩ M type R6			PCS	1.0000 1 0.00 %	2003/10/03 N
0009-----	SA00052 L.E.D high intensity 3m/m round(green)long foot 26 LED4			PCS	1.0000 1 0.00 %	2003/10/03 N
0010-----	SA00053 L.E.D high intensity 3m/m round(red)long foot 26mm LED5,LED6,LED7			PCS	3.0000 1 0.00 %	2003/10/03 N
0011-----	SA00054 L.E.D high intensity 3m/m round(yellow)long foot 26 LED1,LED2,LED3			PCS	3.0000 1 0.00 %	2003/10/03 N
0038-----	HK02307 PC board P-RSA 27DIS400-DIP			PCS	1.0000 1 0.00 %	2003/10/03 N

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 Date: 2003/10/03  
 RSA 27 ALTO 230V

Version	Item No	Loss %	Ver.	Unit	Cardinal	Effective Date
Component Remark	Item Descri				Usage Rate	@:Phantom Layer
					Attrition	Rate
-0001-----	HA01918 jumper wire 4mm JP5,JP7			PCS	2.0000 1 0.00 %	2003/10/03 N
-0002-----	HA01920 jumper wire 6mm JP2			PCS	1.0000 1 0.00 %	2003/10/03 N
-0001-----	HA02249 wire φ0.6			M KG	0.0160 430 0.00 %	2002/09/19 N
-0003-----	HA01922 jumper wire 8mm JP1,JP3,JP4,JP6			PCS	4.0000 1 0.00 %	2003/10/03 N
-0001-----	HA02249 wire φ0.6			M KG	0.0180 1 0.00 %	2004/08/05 N
-0004-----	HA01925 jumper wire 10mm JP8			PCS	1.0000 1 0.00 %	2003/10/03 N
-0001-----	HA02249 wire φ0.6			M KG	0.0200 1 0.00 %	2004/08/05 N
-0005-----	HC00618 row pin (single)#1100 2.54 90° 12P 3.0/11mm J1			PCS	1.0000 1 0.00 %	2004/02/23 N
-0006-----	HK02306 PC board P-RSA 27DIS400-SMD			PCS	1.0000 1 0.00 %	2003/10/03 N
-0001-----	CI00029 SMD ceramic capacitor 0805 0.1uF/50V Y5V C6			PCS	1.0000 1 0.00 %	2003/10/03 N
-0002-----	CI00098 SMD ceramic capacitor 0805 0.033uF/50V X7R ±10% C1,C2			PCS	2.0000 1 0.00 %	2003/11/19 N
-0003-----	CI00075 SMD ceramic capacitor 0603 0.1uF/50V Y5V +80,-20% C3,C4,C5			PCS	3.0000 1 0.00 %	2003/10/03 N
-0004-----	HB01046 PCB RSA 27DIS(1*16)_VER031118			PCS	1.0000 1 0.00 %	2003/10/03 N
-0005-----	RD00002 SMD fixed resistor 1/10W 0.0Ω ±5% 0805 J2,J3,J4,J5,J6,J7			PCS	6.0000 1 0.00 %	2003/10/03 N
-0006-----	RD00059 SMD fixed resistor 1/10W 0.0Ω ±5% 0603 R9,R10			PCS	2.0000 1 0.00 %	2003/10/03 N

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Item No. PF01293 Version  
 DESCRIPTION: RSA 27 UNIT: PCS  
 RSA 27 ALTO\_230V Date: 2003/10/03

Version	Item No	Loss %	Ver.	Unit	Cardinal	Effective Date
Component Remark	Item Descri				Usage Rate	@:Phantom Layer
					Attrition	Rate
-0007-----	RD00214 SMD precise resistor 1/10W 10.0KΩ ±1% 0603 R11			PCS	1.0000 1 0.00 %	2003/10/03 N
-0008-----	RD00282 SMD precise resistor 1/10W 1.00KΩ ±1% 0603 R5			PCS	1.0000 1 0.00 %	2003/10/03 N
-0009-----	RD00290 SMD precise resistor 1/10W 47.5KΩ ±1% 0603 R2,R3,R4			PCS	3.0000 1 0.00 %	2003/10/03 N
-0010-----	RD00358 SMD precise resistor 1/10W 18.2KΩ ±1% 0603 R7			PCS	1.0000 1 0.00 %	2003/10/03 N
-0011-----	RD00405 SMD precise resistor 1/10W 1.18KΩ ±1% 0603 R8			PCS	1.0000 1 0.00 %	2003/10/03 N
-0012-----	RD00423 SMD precise resistor 1/10W 105KΩ ±1% 0603 R1			PCS	1.0000 1 0.00 %	2003/10/03 N
-0013-----	SE00011 SMD rectifier diode RLS4148 0.5A (LL-34) D1,D2,D3			PCS	3.0000 1 0.00 %	2003/10/03 N
-0014-----	SF00004 SMD transistor 2SA1036K(SOT-23)/(R) TR1			PCS	1.0000 1 0.00 %	2003/10/03 N
-0015-----	SG00116 SMD integrated circuit BA1033FV E2 U2,U3			PCS	2.0000 1 0.00 %	2003/10/03 N
-0016-----	SG00122 SMD integrated circuit NJM4580M-TE3 U1			PCS	1.0000 1 0.00 %	2003/10/03 N
-0007-----	NE11913 label RSA 27 DIS400			PCS	1.0000 1 0.00 %	2003/10/03 N
-0001-----	NH00245 label 0.07*1M			M	1.0000 380 0.00 %	2003/12/05 N
-0002-----	NI00019 membrane 0.065*1M			M	1.0000 380 0.00 %	2003/12/05 N
-0008-----	RA00135 fixed resistor 1/2W 1.5kΩ M type			PCS	1.0000 1 0.00 %	2003/10/03 N

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Item No. PF01293 Version  
 DESCRIPTION: RSA 27 UNIT: PCS  
 Date: 2003/10/03  
 RSA 27 ALTO\_230V

Version	Item No	Loss %	Ver.	Unit	Cardinal	Effective Date
Component Remark	Item Descri				Usage Rate	@:Phantom Layer
					Attrition	Rate
	R6					
-0009-----	SA00052 L.E.D high intensity 3m/m round(green)long foot 26 LED4			PCS	1.0000 1 0.00 %	2003/10/03 N
-0010-----	SA00053 L.E.D high intensity 3m/m round(red)long foot 26mm LED5,LED6,LED7			PCS	3.0000 1 0.00 %	2003/10/03 N
-0011-----	SA00054 L.E.D high intensity 3m/m round(yellow)long foot 26 LED1,LED2,LED3			PCS	3.0000 1 0.00 %	2003/10/03 N
-0039-----	RA00246 fixed resistor 1/4W 15KΩ M type R2			PCS	1.0000 1 0.00 %	2003/10/03 N
-0040-----	RA00260 fixed resistor 1/4W 33KΩ F type R1			PCS	1.0000 1 0.00 %	2003/10/03 N
-0041-----	SB00009 field effect transistor J176(VISHAY) T1,T2,T3,T4,T5,T6,T7,T8,T9,T10,T11,T12			PCS	12.0000 1 0.00 %	2003/10/03 N
-0013-----	MA03336 panel RSA 127 ALTO			PCS	1.0000 1 0.00 %	2003/10/03 N
-0001-----	MA03334 panel RSA 127			PCS	1.0000 1 0.00 %	2003/01/08 N
-0001-----	MA03333 panel RSA 27			PCS	1.0000 1 0.00 %	2002/05/17 N
-0001-----	MI01276 panel 2.0*44*12*483_V1.1			PCS	1.0000 1 0.00 %	2002/05/17 N
-0014-----	MB02281 bottom board RSA 27			PCS	1.0000 1 0.00 %	2003/10/03 N
-0001-----	MB02279 bottom board RSA 27			PCS	1.0000 1 0.00 %	2002/05/17 N
-0001-----	MB02278 bottom board RSA 27_V1.2			PCS	1.0000 1 0.00 %	2002/05/17 N
-0001-----	MJ00058 iron board 1*2135*1220 20.45kg			PCS KG	1.0000 20 0.00 %	2003/06/20 N
-0002-----	ME00004 screw pillar M3*10*0.5PH			PCS	2.0000 1 0.00 %	2003/06/20 N
-0003-----	ME00001 screw pillar M4*10*0.7PH			PCS	1.0000 1 0.00 %	2003/06/20 N

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Item No. PF01293 Version  
 DESCRIPTION: RSA 27 UNIT: PCS  
 Date: 2003/10/03  
 RSA 27 ALTO 230V

Version	Item No	Loss %	Ver.	Unit	Cardinal	Effective Date
Component Remark	Item Descri				Usage Rate	@:Phantom Layer
					Attrition	Rate
0004-----	MI01357			PCS	1.0000	2003/06/20
	fixed board				1	N
	CLE2.0				0.00	%
0001-----	MJ00063			PCS	1.0000	2002/04/14
	Zn-plated board				2542	N
	1.2*2135*1220 24.54kg			KG	0.00	%
0005-----	ME00037			PCS	4.0000	2003/06/20
	iron pillar				1	N
	hexagon6.35*M3*4.5				0.00	%
0015-----	MC00385			PCS	1.0000	2003/10/03
	top cover				1	N
	HPA6				0.00	%
0001-----	MC00383			PCS	1.0000	2003/01/17
	top cover				1	N
	HPA6				0.00	%
0001-----	MC00384			PCS	1.0000	2002/03/06
	top cover				1	N
	HPA6				0.00	%
0001-----	MJ00058			PCS	1.0000	2002/03/06
	iron board				24	N
	1*2135*1220 20.45kg			KG	0.00	%
0016-----	ME00015			PCS	2.0000	2003/10/03
	nut				1	N
	3m/m				0.00	%
0017-----	ME00016			PCS	2.0000	2003/10/03
	nut				1	N
	4m/m				0.00	%
0018-----	ME00060			PCS	3.0000	2003/10/03
	nut				1	N
	JY-6351G-02-250				0.00	%
0019-----	MF00019			PCS	1.0000	2003/10/03
	washer				1	N
	φ 4* φ 12*1t				0.00	%
0020-----	MF00037			PCS	4.0000	2003/10/03
	washer				1	N
	φ 3* φ 5*1t				0.00	%
0021-----	MF00038			PCS	2.0000	2003/10/03
	washer				1	N
	φ 4* φ 7*1t				0.00	%
0022-----	MF00048			PCS	2.0000	2003/10/03
	washer				1	N
	φ 4* φ 8*0.5t				0.00	%
0023-----	MF00061			PCS	3.0000	2003/10/03
	washer				1	N
	JY-6351G-02-250				0.00	%
0024-----	MG00036			PCS	16.0000	2003/10/03
	screw				1	N
	M3*4				0.00	%
0025-----	MG00041			PCS	6.0000	2003/12/16
	screw				1	N
	M3*6				0.00	%
0026-----	MG00042			PCS	2.0000	2003/10/03
	screw				1	N
	M3*10				0.00	%
0027-----	MG00043			PCS	4.0000	2003/10/03
	screw				1	N
	M4*6				0.00	%
0028-----	MG00061			PCS	4.0000	2003/10/03
	screw				1	N
	M3*10				0.00	%
0029-----	MG00111			PCS	1.0000	2003/10/03
	screw				1	N
	pill 4*30				0.00	%
0030-----	MG00162			PCS	2.0000	2003/10/03
	screw				1	N
	M3*8				0.00	%



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Item No. PF01293 Version  
 DESCRIPTION: RSA 27 UNIT: PCS  
 RSA 27 ALTO 230V Date: 2003/10/03

Version	Item No	Loss %	Ver.	Unit	Cardinal	Effective Date
Component Remark	Item Descri				Usage Rate	@:Phantom Layer
					Attrition	Rate
0031	MI00891			PCS	1.0000	2003/10/03
	front board				1	N
	RSA 27				0.00	%
0001	MJ00063			PCS	1.0000	2003/02/25
	Zn-plated board				140	N
	1.2*2135*1220 24.54kg			KG	0.00	%
0002	ME00035			PCS	8.0000	2003/02/25
	iron pillar				1	N
	hexagon6.35*M3*6				0.00	%
0032	MJ00123			PCS	1.0000	2003/10/03
	heat-sink(white)				1	N
	65*18*4 SCX-P234				0.00	%
0001	MJ00115			PCS	1.0000	2004/09/23
	heat-sink				1	N
	CLE2.0 4*80.5*18_V1.1				0.00	%
0033	NA00123			PCS	1.0000	2003/10/03
	PE bag				1	N
	0.04t*580*300mm			KG	0.00	%
0034	NA00137			PCS	1.0000	2003/10/03
	clip-chain bag				1	N
	5*7				0.00	%
0035	NB02088			PCS	1.0000	2003/10/03
	box				4	N
	(1H) ALTO 19"				0.00	%
0036	NB02163			PCS	1.0000	2003/10/03
	barrier				1	N
	X23,34,40				0.00	%
0037	NB02164			PCS	1.0000	2003/10/03
	barrier				1	N
	X23,34,40				0.00	%
0038	NB02607			PCS	1.0000	2003/10/03
	colour box				1	N
	RSA 27 ALTO				0.00	%
0039	NC00005			PCS	2.0000	2003/10/03
	silicone insulator				1	N
	TO-220 square type				0.00	%
0040	NE05004			PCS	4.0000	2003/10/03
	label				1	N
	ALTO				0.00	%
0041	NE11892			PCS	4.0000	2003/10/03
	label				1	N
	RSA 27 ALTO				0.00	%
0001	NH00012			M	1.0000	2003/09/22
	bond paper				80	N
	0.04*1M				0.00	%
0002	NI00014			M	1.0000	2003/09/22
	membrane				80	N
	0.035*1M				0.00	%
0042	NF00061			PCS	1.0000	2003/10/03
	assurance card				1	N
	ALTO				0.00	%
0043	NI00218			PCS	3.0000	2003/10/03
	cable tie-black				1	N
	ALT-102SB				0.00	%
0044	NI00240			PCS	2.0000	2003/10/03
	sleeve				1	N
	φ 2.5*10mm				0.00	%
0001	NI00239			M	10.0000	2002/06/04
	sleeve				1000	N
	φ 2.5*1000mm				0.00	%
0045	NI00252			PCS	8.0000	2003/10/03
	sleeve				1	N
	φ 4*20mm				0.00	%
0001	NI00248			M	20.0000	2002/06/04
	sleeve				1000	N
	φ 4*1000mm				0.00	%

Multi-Level BOM Structure Listing

Report No.: IEBO\_P02  
 Prepared by 030002[陳建勳]

Date 2004/10/22  
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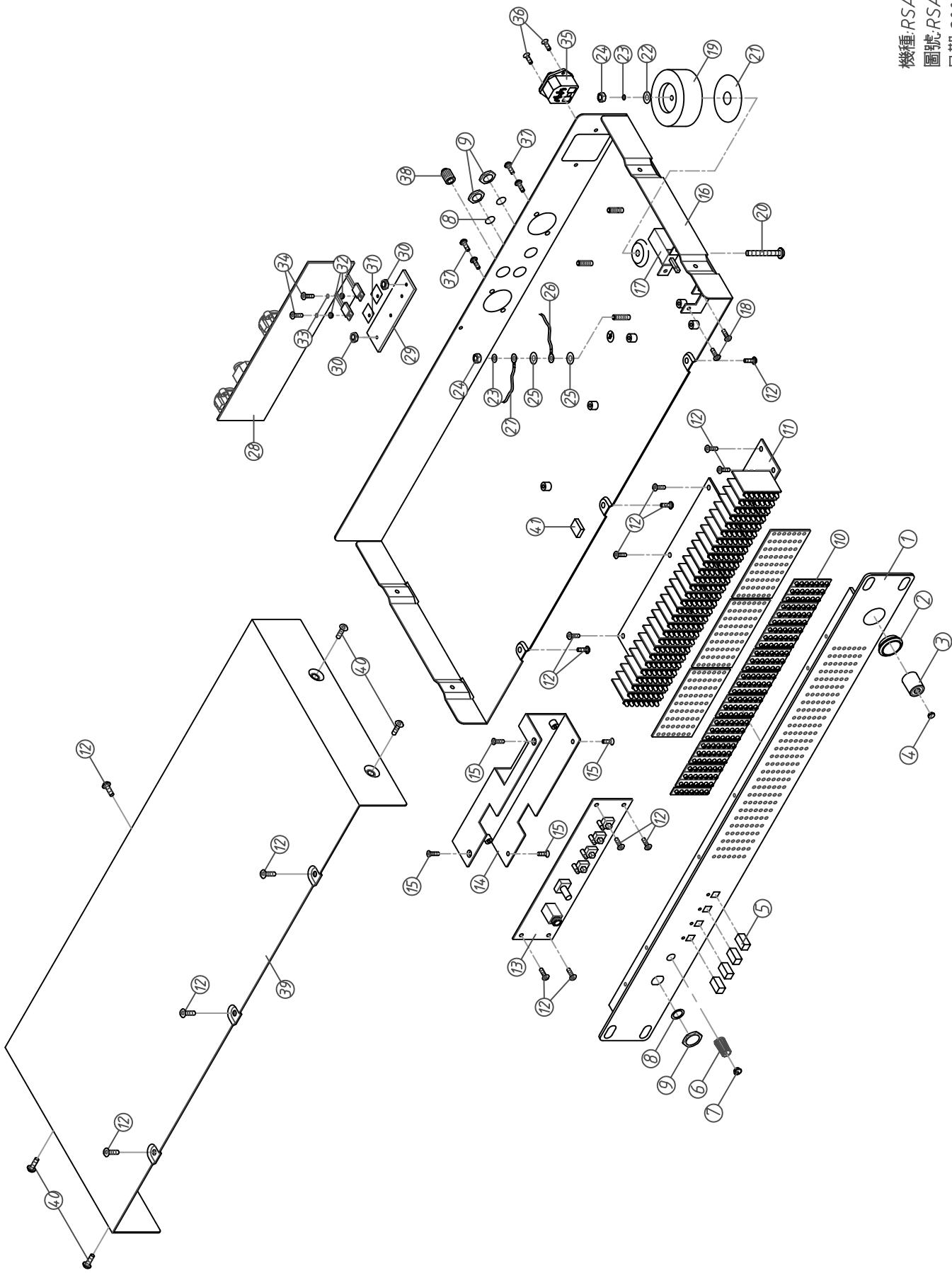
Item No. PF01293 Version  
 DESCRIPTION: RSA 27 UNIT: PCS  
 Date: 2003/10/03  
 RSA 27 ALTO\_230V

Version	Item No Item Descri	Loss %	Ver.	Unit	Cardinal Usage Rate Attrition Rate	Effective Date @:Phantom Layer Rate
0046	NI00308 power switch button φ 15*17			PCS	1.0000 1 0.00 %	2003/10/03 N
0047	NI00362 knob (COOL GRAY 8C/white)			PCS	1.0000 1 0.00 %	2003/10/03 N
0048	NI00443 rubber coil φ 20* φ 60*2tB			PCS	1.0000 1 0.00 %	2003/10/03 N
0049	NI00501 foot cushion 12.7*9*3t(SF-004)			PCS	4.0000 1 0.00 %	2003/10/03 N
0050	NI00839 power switch button-cambered su 5*5*15(inner 3.3*3.3)black			PCS	4.0000 1 0.00 %	2003/10/03 N
0051	NI00896 knob cover φ 8.5*4 072C			PCS	1.0000 1 0.00 %	2003/10/03 N
0052	NI01159 power switch button cap φ 6*2.5 YELLOW C			PCS	1.0000 1 0.00 %	2003/10/03 N
0053	NI02714 knob φ 10*13.5mm			PCS	1.0000 1 0.00 %	2003/11/29 N
0054	NI02097 power switch sleeve φ 18.5*10 blue			PCS	1.0000 1 0.00 %	2003/10/03 N
0055	NI02249 insulate bean TW-1(TO-220)			PCS	2.0000 1 0.00 %	2003/10/03 N
0056	SA00065 L.E.D LG2043 green			PCS	1.0000 1 0.00 %	2003/10/03 N
0057	SD00077 integrated circuit L7815CV(TO-220)(ST) U1			PCS	1.0000 1 0.00 %	2004/03/13 N
0058	SD00079 integrated circuit L7915CV(TO-220)(ST) U2			PCS	1.0000 1 0.00 %	2004/03/13 N
0059	TD00118 transformer PT-CLE4.0			PCS	1.0000 1 0.00 %	2003/10/03 N
0060	NI02809 LED lens φ 2.3*22*33 RSA 27			PCS	10.0000 1 0.00 %	2003/11/20 N
0061	MG00074 screw M3*5			PCS	4.0000 1 0.00 %	2003/12/18 N
0062	NI01876 LED spacer support 7.6*4.5*184			PCS	5.0000 1 0.00 %	2003/12/18 N
0063	NF01584 instruction RSA 27 ALTO_V1.1			PCS	1.0000 1 0.00 %	2004/02/07 N
0001	NH00149 paper 889*640mm			張令	1.0000 1 0.00 %	2003/12/30 Y
0064	ND00124 EV bubble sponge 50*20*7			PCS	1.0000 1 0.00 %	2004/02/23 N



# 8.Exploded Views

機種:RSA27  
圖號:RSA27-00  
日期:2003/9/26



# SEKAKU ELECTRON INDUSTRY CO., LTD.

Model : RSA27      Part List      2004/10/22      No : RSA27-00

NO	Material No	Item Name	Specific	quantity	material	remark	NO	Material No	Item Name	Specific	quantity	material	remark
1	MA03336	panel	RSA27	1			29	MJ00123	heat-sink(white)	65*18*4 SCX-P234	1		
2	NI02097	power switch sl	φ18.5*10 blue	1			30	ME00015	nut	3m/m	2		
3	NI00308	power switch bu	φ15*17	1			31	NC00005	silicone insula	T0-220 square type	2		
4	NI01159	power switch bu	φ6*2.5 YELLOW C	1			32	NI02249	insulate bean	TW-1(T0-220)	2		
5	NI00839	power switch bu	5*5*15(immer 3.3*3.3)black	4			33	MF00037	washer	φ3* φ5*1t	2		
6	NI00362	knob	(COOL GRAY 8C/white)	1			34	MG00162	screw	M3*8	2		
7	NI00896	knob cover	φ8.5*4 072C	1			35	HC00015	AC socket	(S)315-B (AC selec	1		
8	MF00061	washer	JY-6351G-02-250	3			36	MG00042	screw	M3*10	2		
9	ME00060	nut	JY-6351G-02-250	3			37	MG00061	screw	M3*10	4		
10	NI02809	LED lens	φ12.3*22*33 RSA27	10			38	NI02084	knob	φ10.5*18	1		
11	HK02282	PC board	P-RSA27MN-DIP	1			39	MC00385	top cover	HPA6	1		
12	MG00036	screw	M3*4	16			40	MG00043	screw	M4*6	2		
13	HK02278	PC board	P-RSA27FP-DIP	1			41	ND00056	EV bubble spong	16*10*5	1		
14	MI00891	front board	RSA27	1			42						
15	MG00025	screw	3*6	4			43						
16	MB02281	bottom board	RSA27	1			44						
17	HI00023	power switch	SDDL B 1007U	1			45						
18	MG00041	screw	M3*6	2			46						
19	TD00118	transformer	PT-CLE40(FUSE103°C)	1			47						
20	MG00111	screw	φ11 4*30	1			48						
21	NI00443	rubber coil	φ20* φ60*2tB	1			49						
22	MF00019	washer	φ4* φ12*1t	1			50						
23	MF00038	washer	φ4* φ7*1t	2			51						
24	ME00016	nut	4m/m	2			52						
25	MF00048	washer	φ4* φ8*0.5t	2			53						
26	HA01333	single terminal	150mm UL1015 18AWG	1			54						
27	HA01835	P.V.C single wa	80 brown	1			55						
28	HK02280	PC board	P-RSA27RP-DIP	1			56						