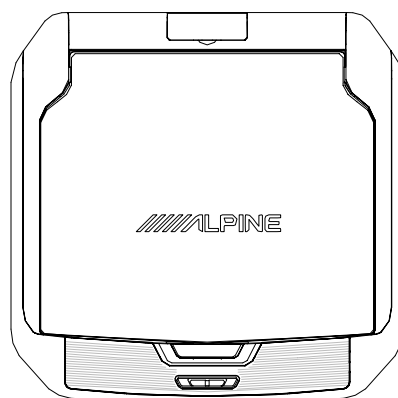
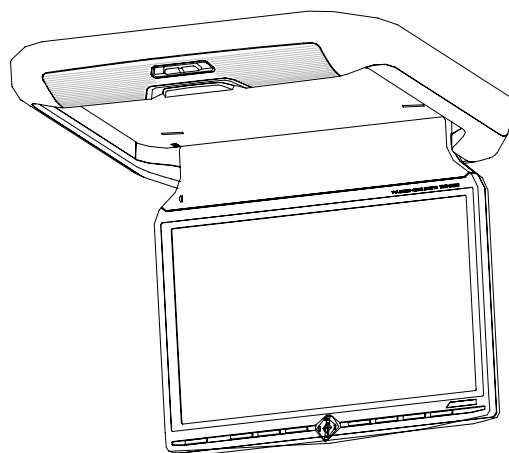


////ALPINE.

SERVICE MANUAL

PKG-1000 / PKG-1000P / PKG-RSE1 (US only)



TMX-R1000 / TMX-R1000P

RECORD OF REVISIONS

Rev. No.	Date	Description of Change
Ver. B	07/20/2005	Page 27. Improved IR Intermittent Noise , After July 20 Modify IR board Circuit and Change Component

PKG-1000 / PKG-1000P / PKG-RSE1 Parts Comparison Summary

Model No.	00-AP102MFA44 (PKG-1000)	00-AP102MFC44 (PKG-RSE1)	00-AP102MFD44 (PKG-1000P)	00-AP102MFE44 (PKG-1000 , Japan)
Software Version (U500)	Check SUM (CAB0)	Check SUM (CAB0)	Check SUM (0E46)	Check SUM (CAB0)
FM Transmitter	023-M2801A-20	023-M2801A-20	NA	023-M2801A-20
Styrofoam	408-CFA004000	408-CFA004000	407-CFD120100	408-CFA004000
Button layer for accessories	420*385*93mm	420*385*93mm	417*385*80mm (Paper)	420*385*93mm
Styrofoam	408-CFA001000	408-CFA001000	407-CFD1200000	408-CFA001000
Top layer for monitor	420*385*70mm	420*385*70mm	417*385*63mm (Paper)	420*385*70mm
Styrofoam	408-CFA000000	408-CFA000000	407-CFD120200	408-CFA000000
Top layer cover	389*354*10mm	389*354*10mm	417*377*3.3mm (Paper)	389*354*10mm
Styrofoam for DVD player protection	NA	408-CFC010100 420*385*161	NA	NA
Gift Box	402-CFA010000	402-CFC010000	402-CFD010000	402-CFA010000
Master Carton	401-CFA010000	401-CFC010000	401-CFD010000	401-CFA010000
Top cover for Master Carton	405-CFA100000	405-CFC100000	405-CFA100000	405-CFA100000
Front Panel	30T-CF02G0-00	30T-CF02G0-00	30T-CFD2G0-00	30T-CF02G0-00
S / N Label on Monitor & AV Box	366-CFA820-0W	366-CFA820-0W	366-CFA820-0E	366-CFA820-0W
S / N Label on G/B , Carton	366-CFA820-1W	366-CFA820-1W	366-CFA820-1E	366-CFA820-1W
Monitor Button Label	36C-CFA750-0W	36C-CFA750-0W	36C-CFA750-0E	36C-CFA750-0W
User's Manual	371-AP102M-50	371-AP102M-50	371-AP102D-50	NA
Registration Card	373-102MFA-30	373-102MFA-30	NA	NA

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NOTE : Due to continuing product improvement , specifications and designs are subject to change
without notice

Features

- 1. 10.2 inch Wide VGA TFT Active Matrix Color LCD (800 X 480)**
- 2. 3 AUX In / 1 AUX Out**
- 3. 1 Remote In / 2 Remote Out**
- 4. Front Panel Controls (OHM / DVD / DVD-HU / TV Tuner)**
- 5. Visual EQ (FLAT / NIGHT MOVIE / SOFT / SHARP / CONTRAST)**
- 6. Independent Parameter Setting on each AUX Input (Picture / Visual EQ / Audio Input Level / Display Mode)**
- 7. 3 Level Dimmer (HIGH / MID / LOW)**
- 8. Normal / Wide / Cinema / Zoom Display Mode Select**
- 9. CH Selectable IR Transmitter for IR Wireless Headphone (A / B / OFF)**
- 10. Built-in Wireless FM Transmitter (U.S.A. / JPN)**
- 11. DVD Power Control**
- 12. Customized OSD Source Name**
- 13. ISP Software Update Function**
- 14. White LED Dome Light**
- 15. Back-Lit Function Buttons**

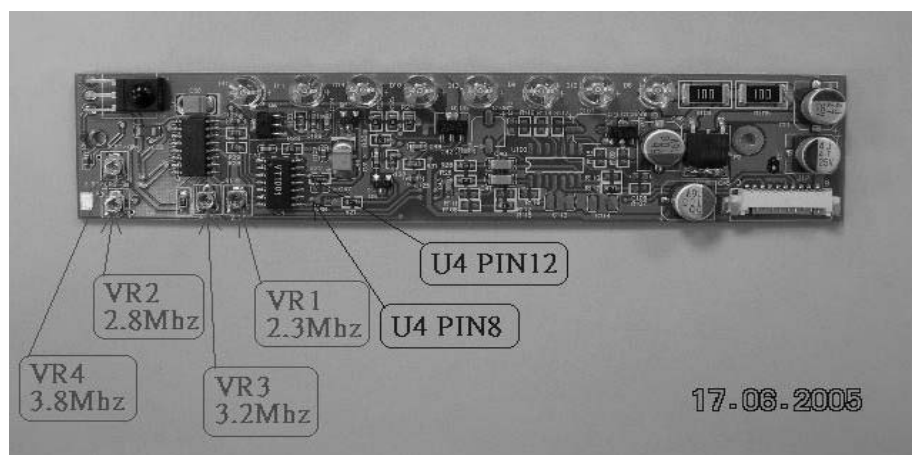
Adjustment Procedures

Equipment

1	Scope Tektronix TDS3032B
2	Pattern Generator
3	DVD Player
4	Wireless Headphone , Adjustment Tool
5	Multi-meter Agilent 34401
6	Counter Topward - 1220
7	Testing Fixture
8	Personal Computer
9	Power Supply (TOPWARD 3303D)

A . IR Board Adjust : (IR transmitter adjust) :

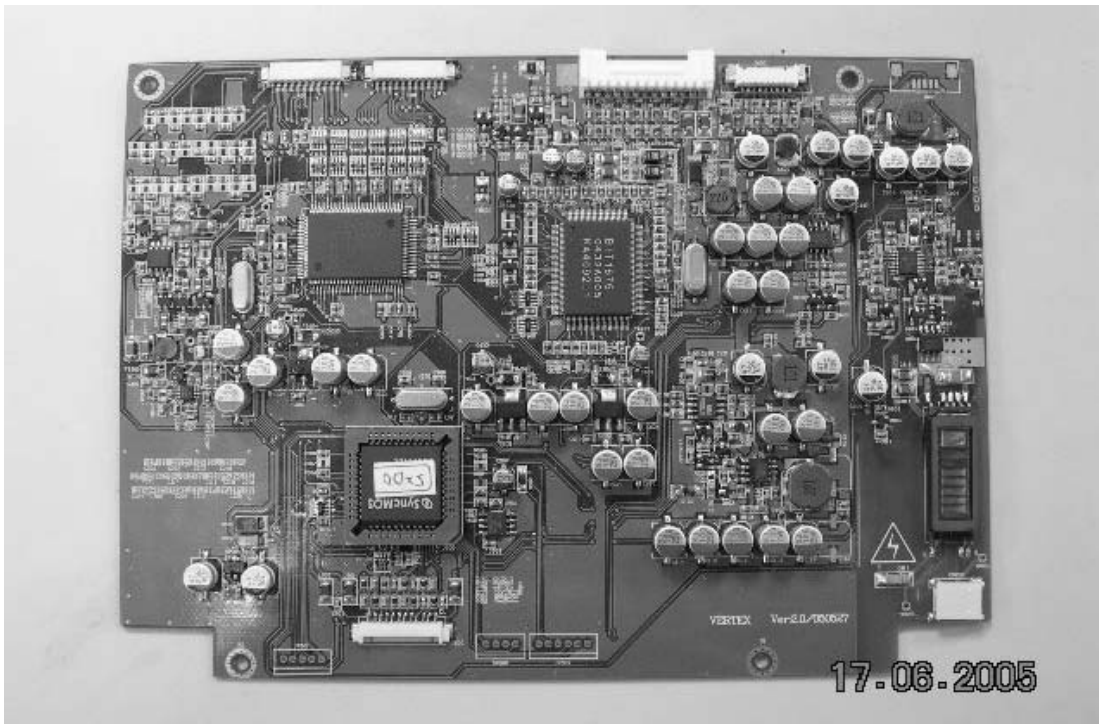
Step	Measure	Adjust	Rating	Unit	Description	Apparatus
1.	U4 PIN8	VR1	2. 30 M	HZ	1. SELECT A_CH 2. Touch U4 PIN 8, Adjust VR1	COUNTER
2.	U4 PIN12	VR3	2. 80 M	HZ	1. SELECT A_CH 2. Touch U4 PIN 12, Adjust VR3	COUNTER
3.	U4 PIN8	VR2	3. 20 M	HZ	1. SELECT B_CH 2. Touch U4 PIN 8, Adjust VR2	COUNTER
4	U4 PIN12	VR4	3. 80 M	HZ	1. SELECT B_CH 2. Touch U4 PIN 12, Adjust VR4	COUNTER



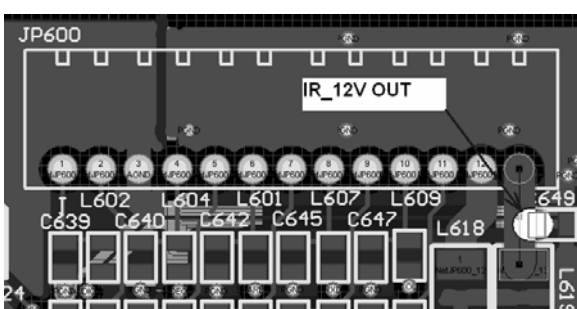
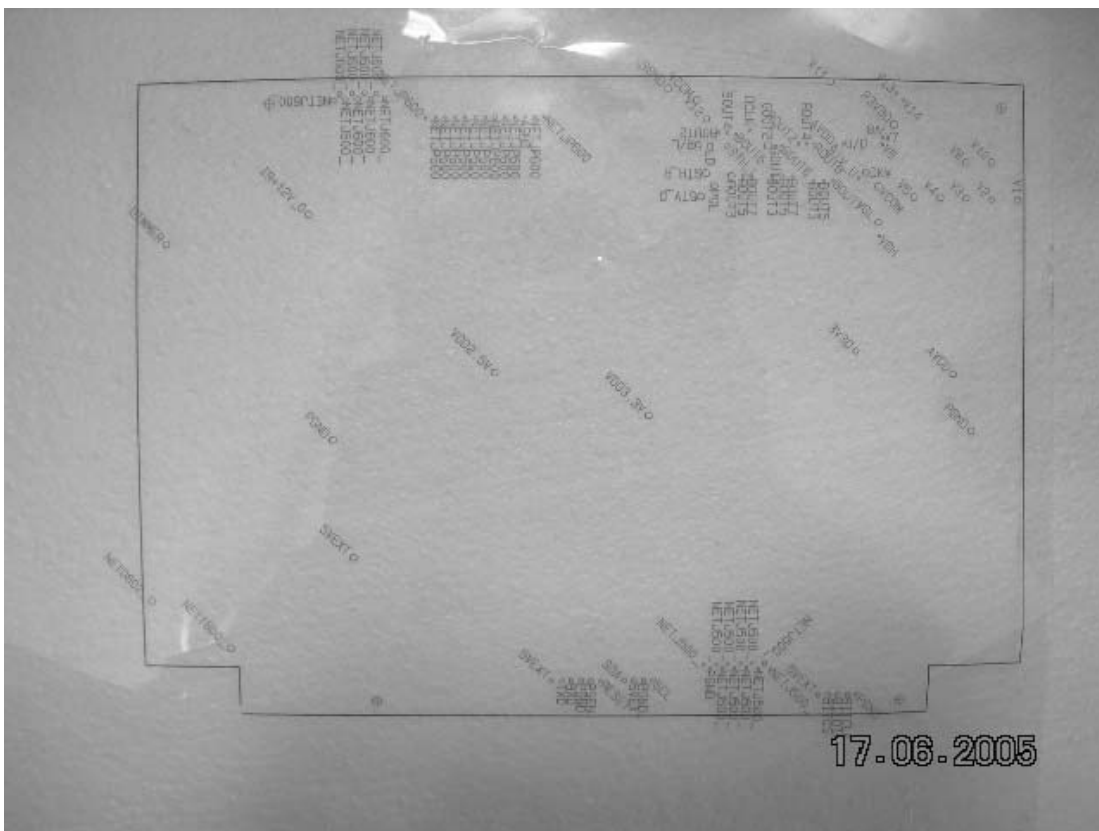
B. Driver Board Adjust : (input Voltage : $14\pm 0.2V$)

Test point & Value (Tolerance $\pm 0.5\Omega / 0.2V$)

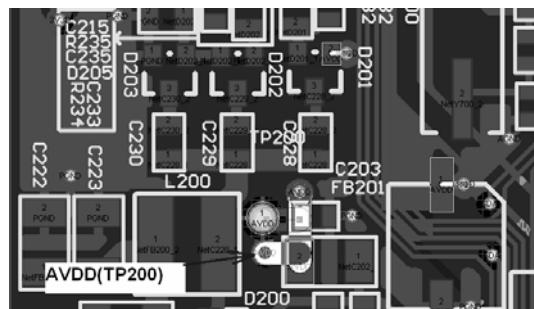
Test point	Value ($K\Omega$)	Test point	Value (V)
ROUT2_3	11.013	V1	8.473
ROUT3_4	11.021	V2	8.1011
ROUT4_5	11.0306	V3	6.8558
ROUT5_6	11.0396	V4	5.6396
ROUT6_7	11.0178	V5	5.0108
GOUT2_3	11.0608	V6	4.1322
GOUT3_4	11.0454	V7	3.7885
GOUT4_5	11.0576	V8	3.4567
GOUT5_6	11.0587	V9	3.0543
GOUT6_7	11.046	V10	1.8964
BOUT2_3	11.0178	V11	1.3535
BOUT3_4	11.0242	V12	1.1516
BOUT4_5	10.9854	V13	224.11mV
BOUT5_6	11.0295	V14	25.033mV
BOUT6_7	11.0263	VGH	12.996
		VGL	-7.610
		A+12V	14.021
		VCOM	2.5621
		AVDD(TP200)	8.5012
		EXT_5V	5.3662
		IR+12V_OUT(TP600)	12.599
		BIT1132V(TP601)	3.3032
		VIT1675V(TP602)	2.5193
		TP603	3.3585
		DIMM_HIGH	3.3011



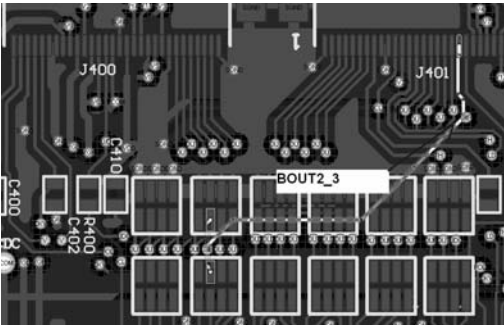
Testing Location



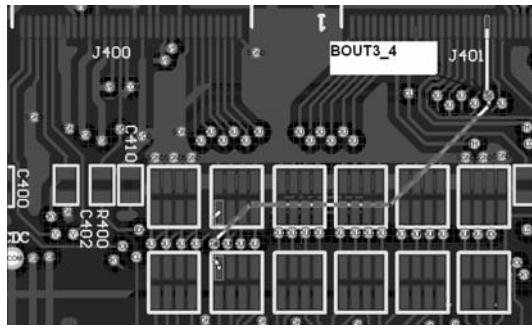
IR_12V OUT



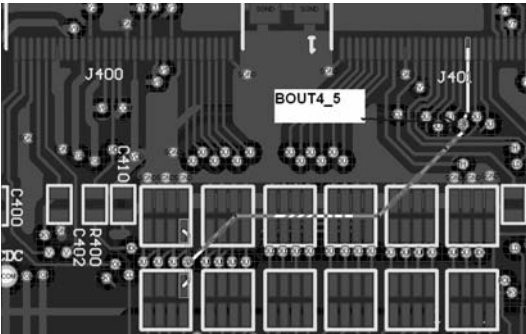
AVDD



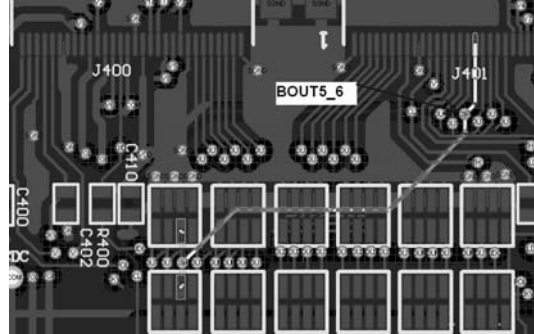
BOUT2_3



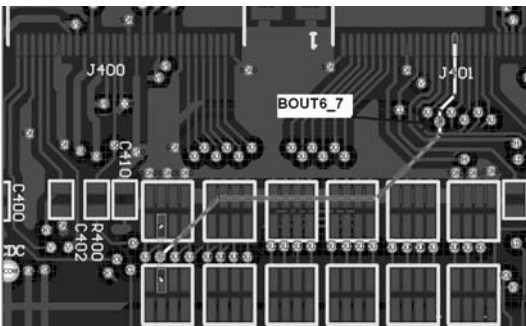
BOUT3_4



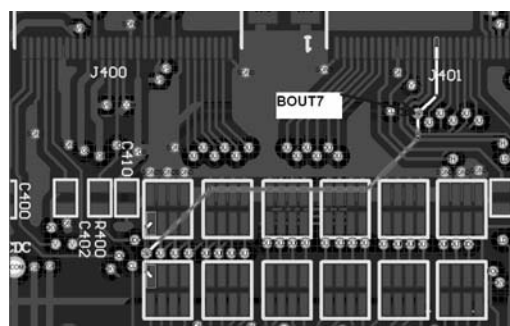
BOUT4_5



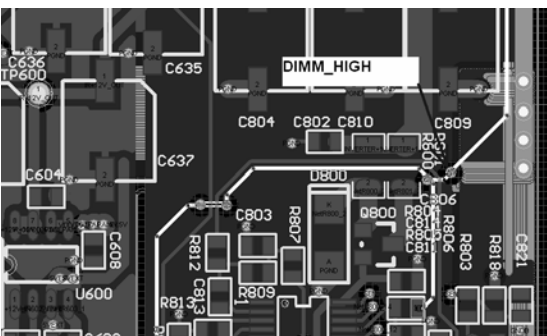
BOUT5_6



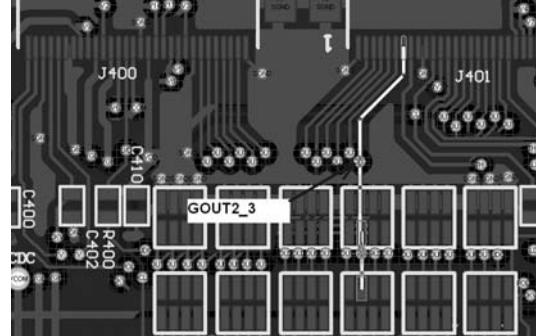
BOUT6_7



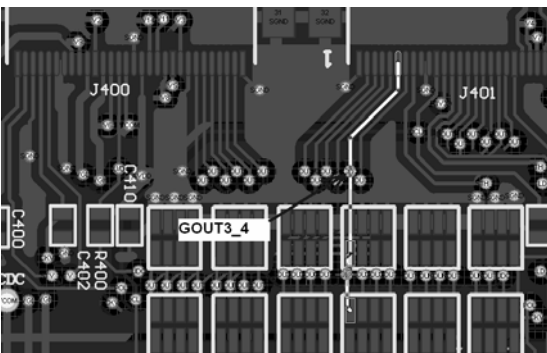
BOUT7



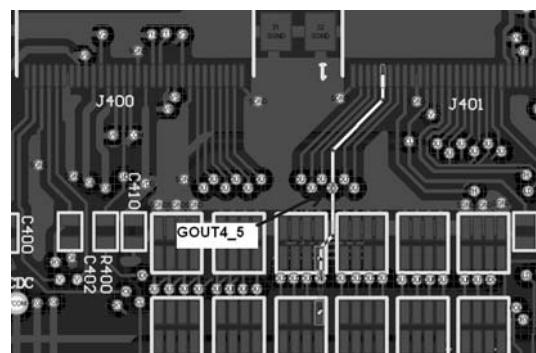
DIMM_HIGH



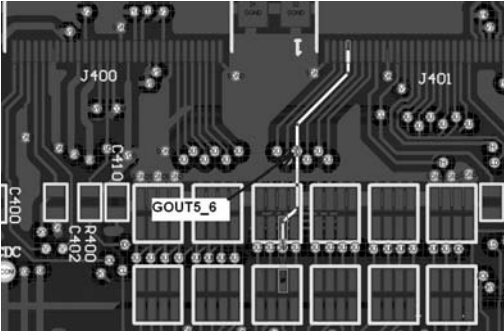
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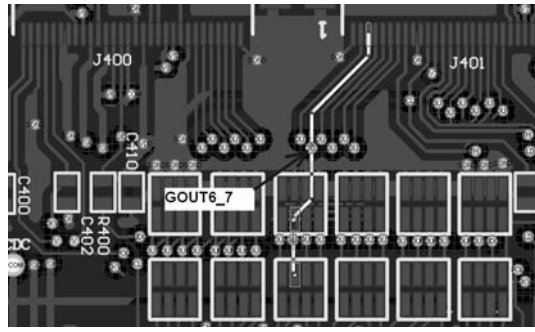
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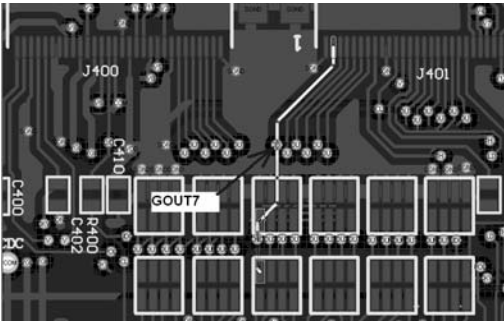
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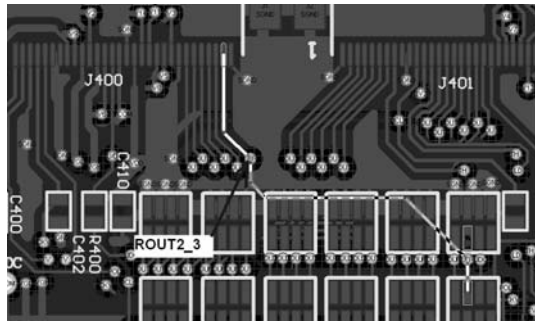
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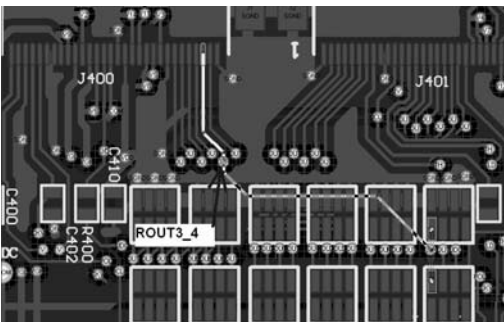
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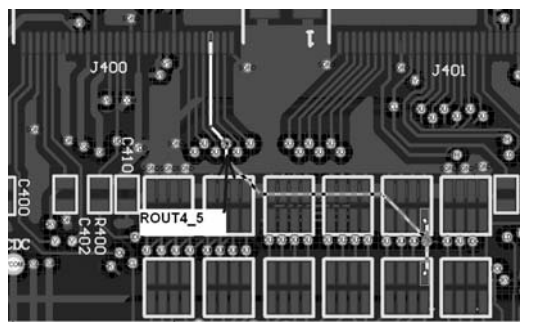
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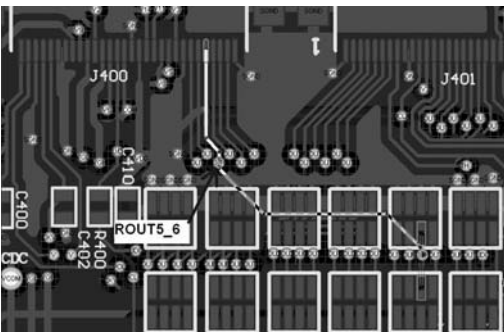
ROUT2_3



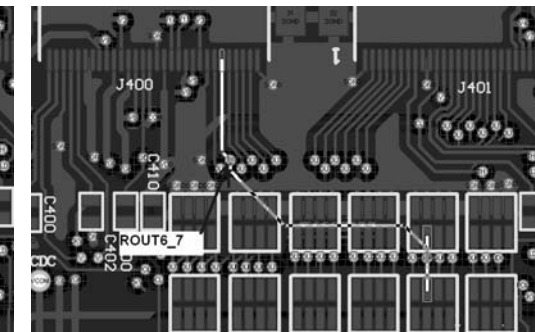
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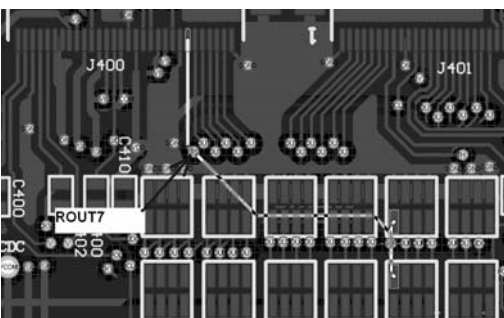
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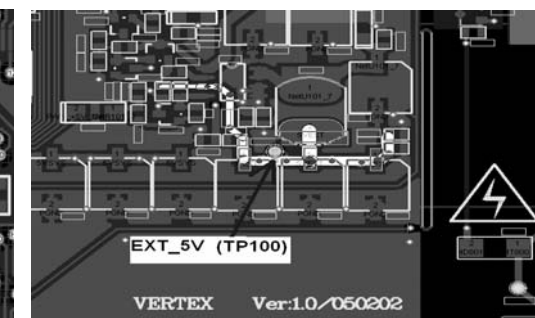
ROUT5_6



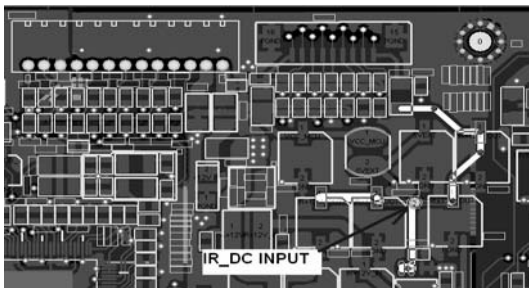
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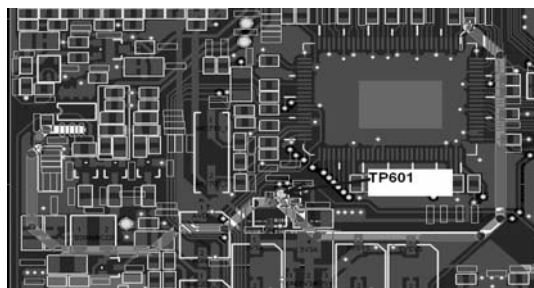
ROUT7



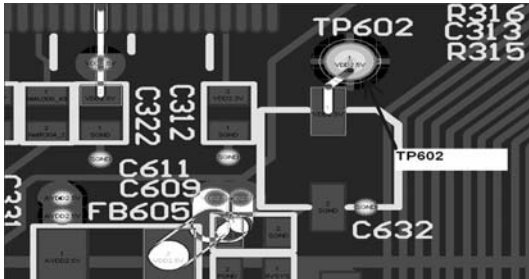
EXT_5V



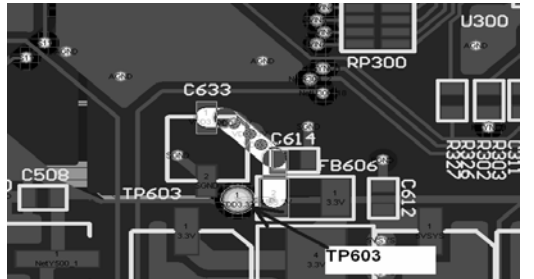
TP600



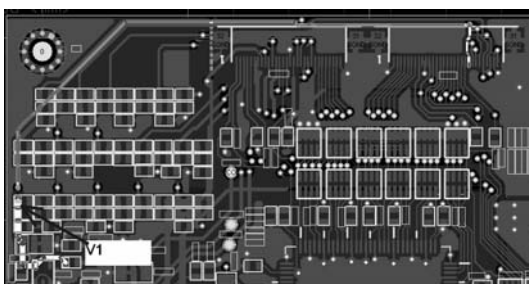
TP601



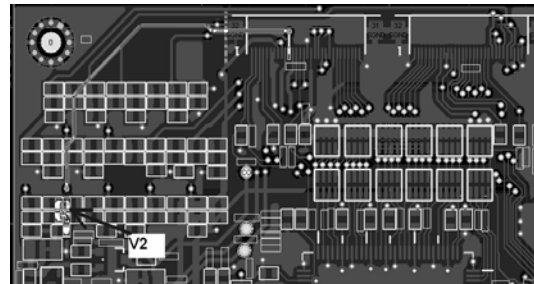
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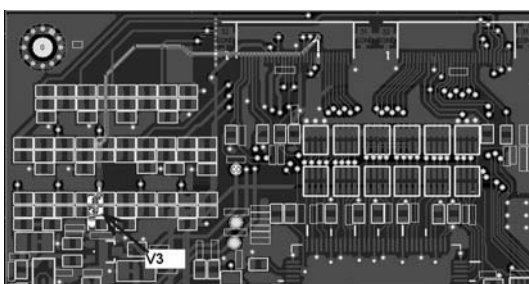
TP603



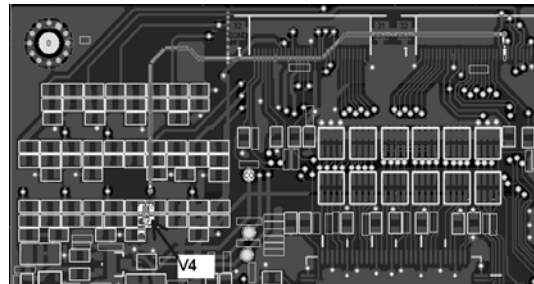
V1



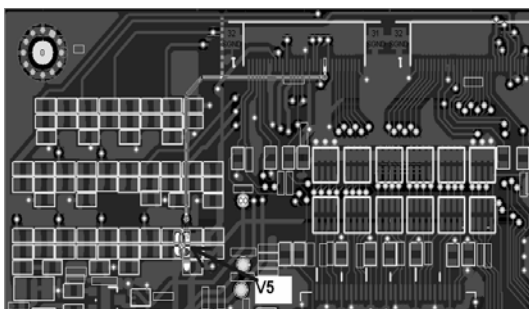
V2



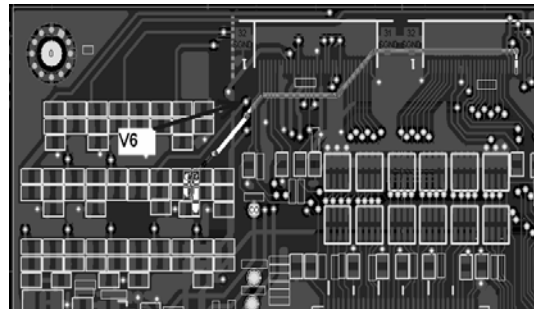
V3



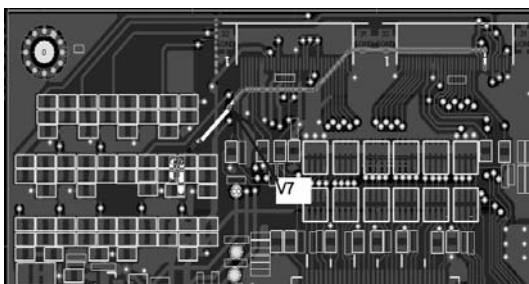
V4



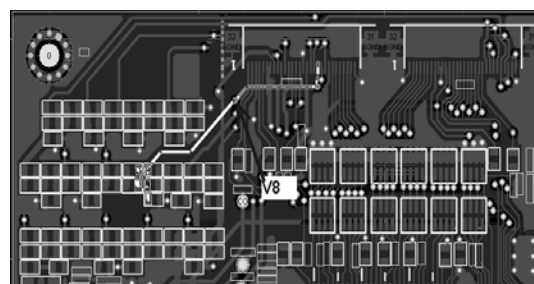
V5



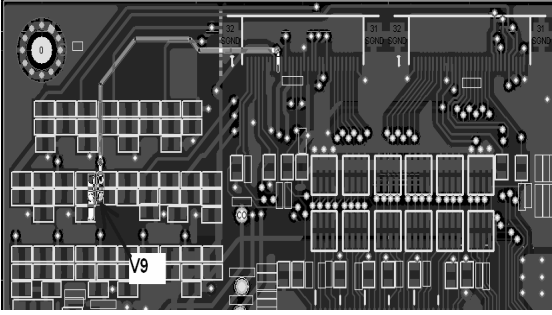
V6



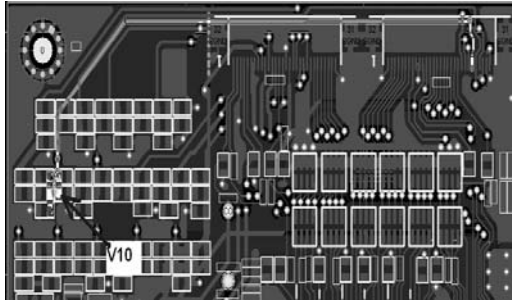
V7



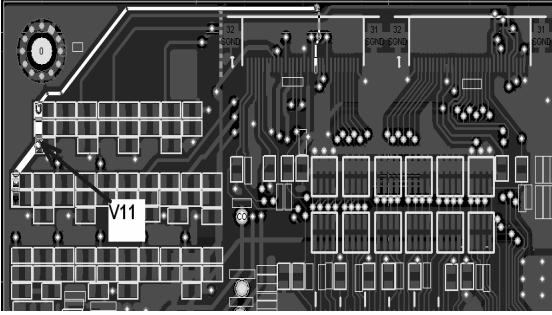
V8



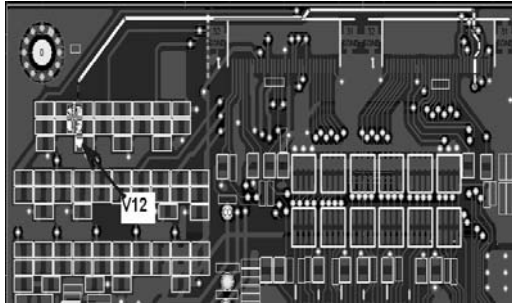
V9



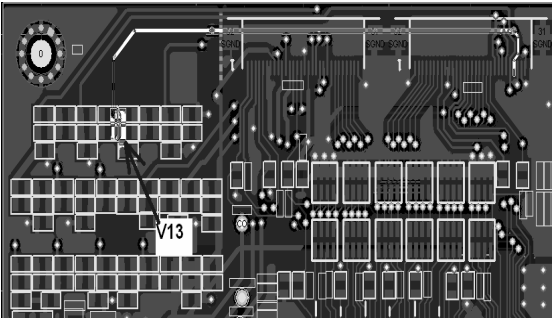
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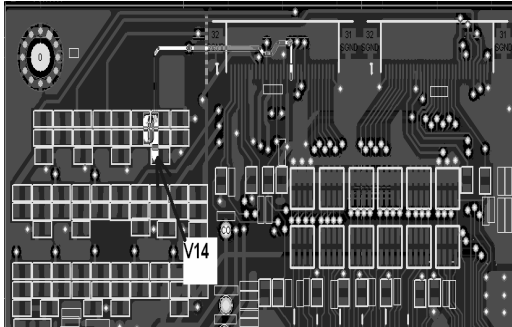
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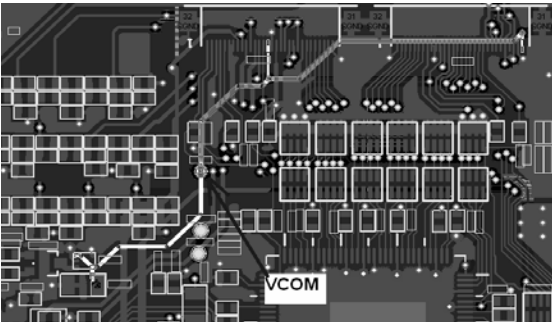
V12



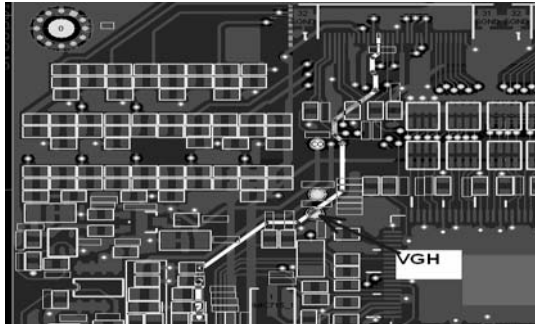
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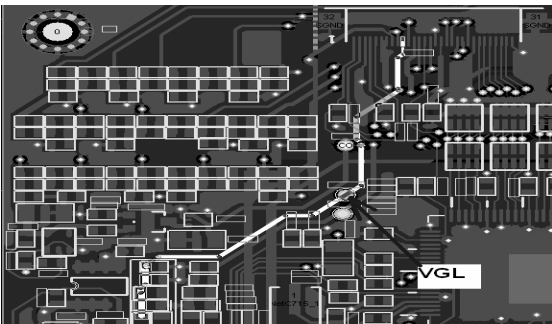
V14



VCOM

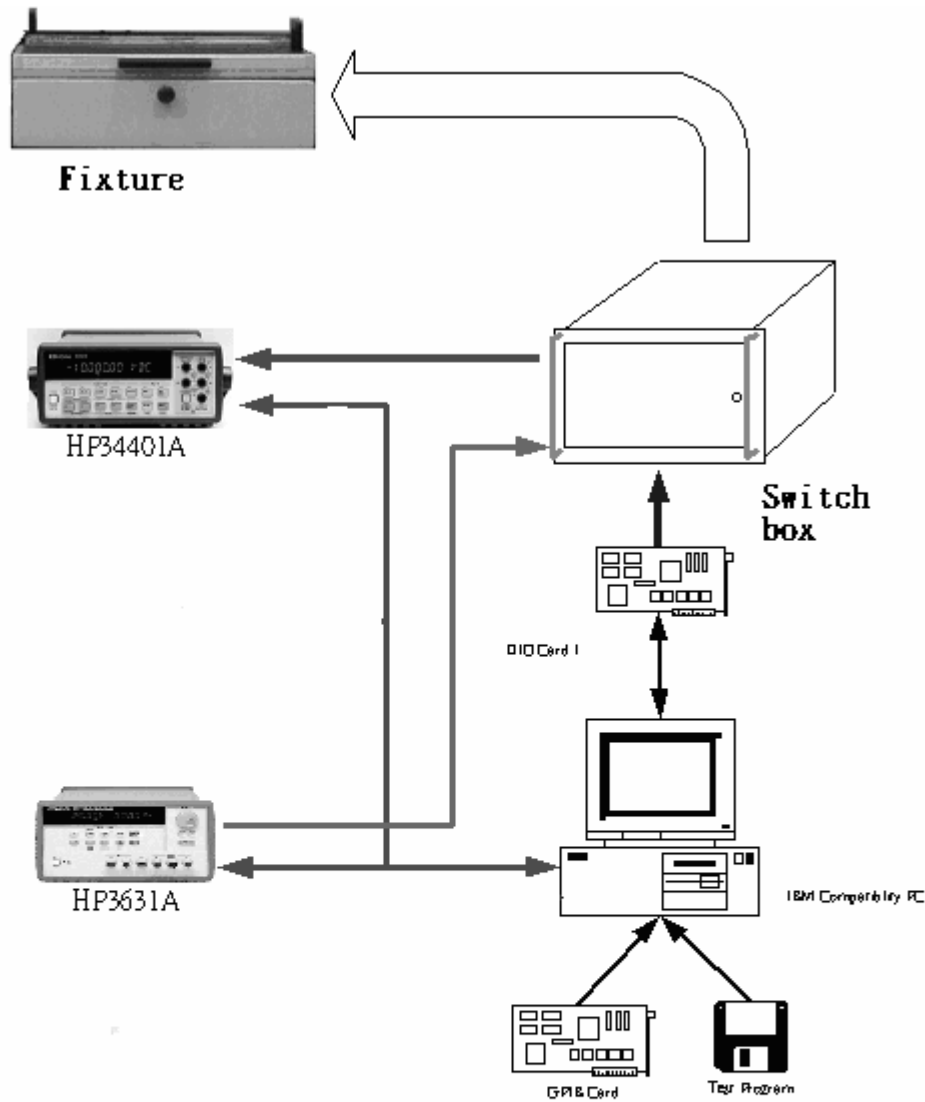


VGH



VGL

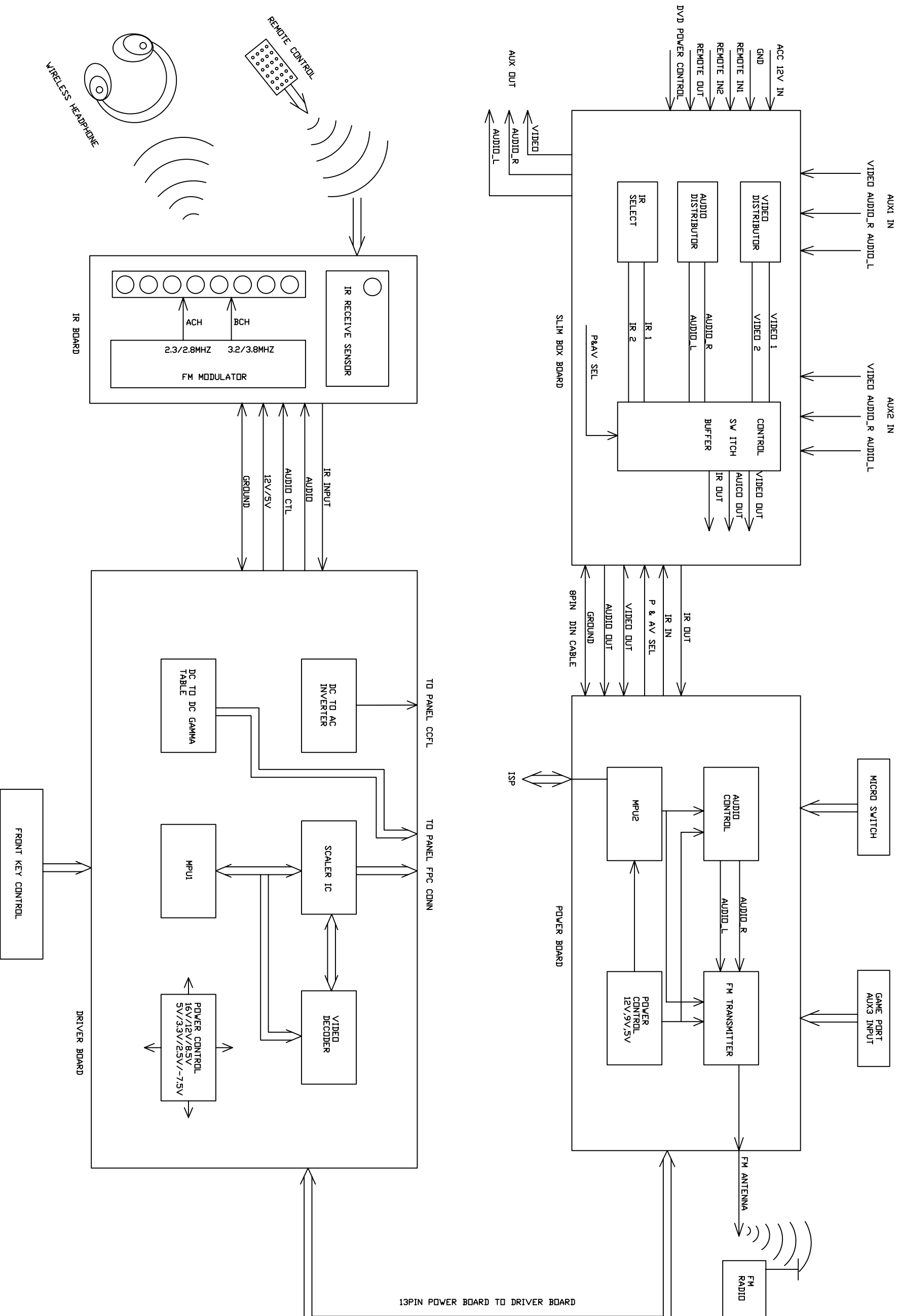
Test Fixture Structure



- Serial comm. Bus
- GPIB Control Bus
- Signal Input Bus
- Control Output Bus
- Power Supply Bus

System structure

Block Diagram



Terminal Voltage of IC

POWER BOARD MCU 78E54-40 (U2)

Pin No.	Function	Voltage (V)
1	NC	4.991
2	P1.0	0
3	P1.1	4.988
4	P1.2	4.986
5	P1.3	1.99
6	P1.4	0
7	P1.5	4.984
8	P1.6	4.984
9	P1.7	4.984
10	RST	0
11	P3.0	5.135
12	NC	4.983
13	P3.1	5.135
14	P3.2	4.983
15	P3.3	4.983
16	P3.4	4.983
17	P3.5	4.983
18	P3.6	5.137
19	P3.7	4.983
20	XTAL2	2.512
21	XTAL1	2.465
22	GND	0
23	NC	4.988
24	P2.0	0.035
25	P2.1	4.988
26	P2.2	4.988
27	P2.3	4.988
28	P2.4	4.988
29	P2.5	4.988
30	P2.6	0
31	P2.7	4.988
32	PSEN	4.995
33	ALE/PROG	1.62
34	NC	4.99
35	EA/VPP	4.998
36	P0.7	1.232
37	P0.6	1.232
38	P0.5	1.232
39	P0.4	1.232
40	P0.3	1.232
41	P0.2	1.232
42	P0.1	1.232
43	P0.0	1.232
44	VCC	4.988

VIDEO DECODER BIT1675 (U300)

Pin No.	Function	Voltage (V)	Pin No.	Function	Voltage (V)	Pin No.	Function	Voltage (V)
1	TEST-N	2.491	46	DVO03	1.67	91	TDO	2.487
2	IOAS	3.306	47	VDD	3.306	92	VSSI	0
3	VDD	3.306	48	VSSI	0	93	TDI	2.489
4	VSS	0	49	SCK	1.271	94	TMS	2.489
5	GPIO0	2.84	50	VSS	0	95	TCK	2.489
6	GPIO1	2.84	51	DVO04	1.68	96	TRST-N	5.29
7	GPIO2	2.84	52	DVO05	1.68	97	TAFE-N	2.49
8	GPIO3	2.7	53	VDDI	2.49	98	VSS	0
9	VSS	0	54	VDO06	1.68	99	AVDD	2.49
10	GPIO4	2.7	55	DVO07	1.68	100	AGND	0
11	GPIO5	3.19	56	VSS	0	101	AGND	0
12	GPIO6	3.23	57	DVO08	0	102	AIN23	0
13	GPIO7	3.2	58	DVO09	0	103	AVDD	2.49
14	VDD	3.3	59	DVO10	0	104	AIN22	0
15	VSSI	0	60	DVO11	0	105	AGND	0
16	GPIO8	3.1	61	VDD	3.3	106	AIN21	0
17	GPIO9	3.1	62	VSS	0	107	VBYP	1.239
18	IRQ N	3.41	63	DVO12	3.3	108	AIN20	0
19	VDDI	2.487	64	DVO13	0	109	AGND	0
20	SCL	1.02	65	DVO14	0	110	AIN13	0
21	SDA	1.13	66	DVO15	0	111	AVDD	2.489
22	SVO0	0.54	67	DIRDY	3.3	112	AIN12	0
23	SVO1	0.31	68	VDD	3.3	113	VBYN	1.239
24	VSS	0	69	DCK	1.717	114	AIN11	0
25	SVO2	0.23	70	VSS	0	115	IBLAS	0
26	SVO3	0.23	71	DVAL	0	116	AIN10	0
27	SVO4	0.98	72	DGHP	0	117	AVDD	2.486
28	SVO5	1.21	73	DGVP	0	118	AIN00	0.036
29	VDD	3.3	74	DGPO	0	119	AGND	0
30	VSS	0	75	DGP1	0	120	AIN01	0
31	SVO6	0.339	76	VSS	0	121	VCM	1.239
32	SVO7	1.213	77	CKX2	1.433	122	AIN02	0
33	SVO8	0	78	VDD	3.3	123	VBG	1.306
34	SVO9	1.55	79	CKX1	1.588	124	AIN03	0
35	VSS	0	80	VSS	0	125	AVDD	2.486
36	SFLD	1.659	81	XTLO	1.819	126	VREFN	0.712
37	SCBF	1.603	82	XTLI	1.543	127	VREFP	1.754
38	SVB	3.065	83	VDD	3.3	128	AGND	0
39	SHB	2.77	84	VCXO	0.805			
40	SVS	3.268	85	VSS	0			
41	SHS	3.074	86	PWON	0			
42	VSS	0	87	TSCE N	2.496			
43	DVO00	1.536	88	VDDI	2.496			
44	DVO01	1.51	89	OE	3.3			
45	DVO02	1.51	90	RST N	5.29			

POWER MOSFET AP9435M (U604)

Pin No.	Function	Voltage (V)
1	S1	3.308
2	S1	3.308
3	S1	3.308
4	G1	0
5	D1	3.312
6	D1	3.312
7	D1	3.312
8	D1	3.312

ADP1610 (U200)		
Pin No.	Function	Voltage(V)
1	COMP	0.528
2	FB	1.23
3	SD	5.248
4	PGND	0
5	SW	5.256
6	IN	5.256
7	RT	0
8	SS	5.153

GAMMA TABLE

Pin No.	Test Point	Voltage(V)
1	V1	8.467
2	V2	8.1
3	V3	6.85
4	V4	5.61
5	V5	5.1
6	V6	4.13
7	V7	3.77
8	V8	3.41
9	V9	3.01
10	V10	1.95
11	V11	1.31
12	V12	1.15
13	V13	0.222
14	V14	0.0247

POWER REGULATOR RC1117S-3.3 (U601)

Pin No.	Function	Voltage (V)
1	AOJ	0
2	VOUT	3.308
3	VIN	5.25
4	TAB	3.308

POWER REGULATOR RC1117S-2.5 (U603)

Pin No.	Function	Voltage (V)
1	ADJ	0
2	VOUT	2.489
3	VIN	5.251
4	TAB	2.489

POWER REGULATOR RC1117S-3.3 (U602)

Pin No.	Function	Voltage (V)
1	ADJ	0
2	VOUT	3.302
3	VIN	5.252
4	TAB	3.302

Terminal Voltage of IC

INVERTER BIT3193 (U800)

Pin No.	Function	Voltage (V)
1	INN	1.302
2	CMP	1.57
3	LOAD	0
4	CTOSC	1.414
5	TIMER	4.032
6	ON/OFF	3.381
7	GND	0
8	NOUT2	2.155
9	NOUT1	2.169
10	VDD	7.04
11	PWMOUT	1.292
12	CTPWM	1.815
13	PWMDC	2.868
14	CLAMP	0.237
15	ISEN	6.475
16	MODSEL	7.4

SCALER BIT1132 (U700)

Pin No.	Function	Voltage (V)	Pin No.	Function	Voltage (V)	Pin No.	Function	Voltage (V)
1	RIN1	0.18	46	ROUT1	3.331	91	EN	5.29
2	RIN2	1.15	47	GND0	0	92	GNDI	0
3	RIN3	1.221	48	ROUT2	0	93	BITCS	5.29
4	RIN4	0.343	49	ROUT3	0	94	BITDI0	5.29
5	RIN5	1.218	50	GND A	0	95	BITCLK	5.29
6	RIN6	0	51	VCCA	3.31	96	VCC3I	3.31
7	RIN7	1.562	52	ROUT4	0	97	XCLKI	1.609
8	VCC3I	3.31	53	VCC30	3.31	98	XCLKO	1.675
9	GIN0	0	54	ROUT5	0	99	GNDI	0
10	GIN1	0	55	ROUT6	0	100	RINO	0.19
11	GIN2	0	56	GND0	0			
12	GND0	0	57	ROUT7	0			
13	GIN3	0	58	GOUT0	0			
14	GNDI	0	59	GOUT1	0			
15	GIN4	0	60	VCC30	3.31			
16	GIN5	0	61	GOUT2	0			
17	GIN6	0	62	GOUT3	0			
18	GIN7	0	63	GOUT4	0			
19	BIN0	0	64	GND0	0			
20	BIN1	0	65	GOUT5	0			
21	BIN2	0	66	VCC30	3.31			
22	BIN3	0	67	GOUT6	0			
23	BIN4	0	68	GOUT7	0			
24	BIN5	0	69	VCC3I	3.31			
25	BIN6	0	70	BOU0	0			
26	BIN7	0	71	BOU1	0			
27	GNDI	0	72	BOU2	3.31			
28	ICLK1	1.361	73	GND0	0			
29	VCC3I	3.331	74	BOU3	3.31			
30	IHS	2.772	75	VCC30	3.31			
31	IVS	3.06	76	BOU4	3.31			
32	ICLK2	0	77	BOU5	3.31			
33	GNDI	0	78	GNDI	0			
34	VIN0	0.465	79	BOU6	3.31			
35	VIN1	0.012	80	BOU7	3.31			
36	VIN2	0.046	81	GND0	0			
37	VIN3	0.049	82	CLK	1.537			
38	VCC3I	3.331	83	VCC30	3.31			
39	VIN4	0	84	ODE	2.363			
40	VIN5	0.191	85	RST0	1.65			
41	VIN6	1.655	86	RST1	1.65			
42	VIN7	0	87	PWM1	3.31			
43	TEST	0	88	PWM2	3.31			
44	VCC30	3.331	89	IR	0			
45	ROUT0	0	90	INT	3.31			

DRIVER BOARD MCU 78E54 (U500)

Pin No.	Function	Voltage (V)
1	NC	5.278
2	P1.0	5.278
3	P1.1	5.278
4	P1.2	5.278
5	P1.3	5.278
6	P1.4	5.278
7	P1.5	3.42
8	P1.6	1.607
9	P1.7	1.85
10	RST	0
11	P3.0	5.118
12	NC	5.27
13	P3.1	5.118
14	P3.2	5.278
15	P3.3	3.319
16	P3.4	5.278
17	P3.5	5.278
18	P3.6	5.275
19	P3.7	5.275
20	XTAL 2	2.624
21	XTAL1	2.544
22	GNP	0
23	NC	5.281
24	P2.0	0.013
25	P2.1	0.05
26	P2.2	5.281
27	P2.3	5.281
28	P2.4	0.002
29	P2.5	5.281
30	P2.6	0.002
31	P2.7	5.119
32	PSEN	5.286
33	ALE/IRPG	1.708
34	NC	5.28
35	EA/VPP	5.288
36	P0.7	5.286
37	P0.6	5.286
38	P0.5	5.286
39	P0.4	5.286
41	P0.2	2.992
42	P0.1	0.031
43	P0.0	0.044
44	VCC	5.289

BI 3102A (U100)

Pin No.	Function	Voltage(V)
1	OUT	2.954
2	VDD	1.227
3	CMP	9.31
4	VIN	1.52
5	OLP	8.95
6	SST	8.98
7	RT	2.341
8	GND	0

Measuring Conditions :

- | | |
|------------------------------|---------------------------|
| 1. Power Supply (RDT-6303) | : 13.8V |
| 2. Digital Multimeter | : FLUKE-45 |
| 3. Input Signal Source | : Alpine DVD (DVA-5210) |
| 4. Measuring Point Reference | : Between GND |
| 5. AV Source Select | : AUX1 |
| 6. Play Disc | : Toshiba Demo Disc |

Description of IC Terminal (BIT1132)

Pin	Name	Type	Function Description
1	RIN1	In	RIN[1] / VIP2_B[1]
2	RIN2	In	RIN[2] / VIP2_B[2]
3	RIN3	In	RIN[3] / VIP2_B[3]
4	RIN4	In	RIN[4] / VIP2_B[4]
5	RIN5	In	RIN[5] / VIP2_B[5]
6	RIN6	In	RIN[6] / VIP2_B[6]
7	RIN7	In	RIN[7] / VIP2_B[7]
8	VCC1	PI	Input Power (3.3V)
9	GIN0	In	GIN[0] / EXT_OSD_R
10	GIN1	In	GIN[1] / EXT_OSD_G
11	GIN2	In	GIN[2] / EXT_OSD_B
12	GNDO	GO	Output Ground
13	GIN3	In	GIN[3] / EXT_OSD_BNK
14	GND1	GI	Input Ground
15	GIN4	I/O	GIN[4] / EXT_OSD_HS
16	GIN5	I/O	GIN[5] / EXT_OSD_VS
17	GIN6	I/O	GIN[6] / EXT_OSD_CLK
18	GIN7	In	GIN[7] / IEVEN
19	BIN0	In	BIN[0] / VIP2_A[0]
20	BIN1	In	BIN[1] / VIP2_A[1]
21	BIN2	In	BIN[2] / VIP2_A[2]
22	BIN3	In	BIN[3] / VIP2_A[3]
23	BIN4	In	BIN[4] / VIP2_A[4]
24	BIN5	In	BIN[5] / VIP2_A[5]
25	BIN6	In	BIN[6] / VIP2_A[6]
26	BIN7	In	BIN[7] / VIP2_A[7]
27	GNDI	GI	Input Ground
28	ICLK1	In	Input Clock 1
29	VCC3I	PI	Input Power (3.3V)
30	IHS	In	Input Hsync
31	IVS	In	Input Vsync
32	ICLK2	In	Input Clock 2
33	GNDI	GI	Input Ground
34	VIN0	In	VIN1[0] / STH1
35	VIN1	In	VIN1[1] / STH2
36	VIN2	In	VIN1[2] / STV1
37	VIN3	In	VIN1[3] / STV2
38	VCCI	PI	Input Power (3.3V)
39	VIN4	In	VIN1[4] / LD
40	VIN5	In	VIN1[5] / CKV
41	VIN6	In	VIN1[6] / POL
42	VIN7	In	VIN1[7] / GPO[7]
43	TEST	In	Test Mode Enable
44	VCCO	PO	Output Power (3.3V)
45	ROUT0	Out	ROUT[0] / GPO[0] / PWM3
46	ROUT1	Out	ROUT[1] / GPO[1]
47	GNDO	GO	Output Ground
48	ROUT2	Out	ROUT[2]
49	ROUT3	Out	ROUT[3]
50	GNDA	GA	PLL Ground

Description of IC Terminal (BIT1132)

Pin	Name	Type	Function Description
51	VCCA	PA	PLL Power (3.3V)
52	ROUT4	Out	ROUT[4]
53	VCCO	PO	Output Power (3.3V)
54	ROUT5	Out	ROUT[5]
55	ROUT6	Out	ROUT[6]
56	GNDO	GO	Output Ground
57	ROUT7	Out	ROUT[7]
58	GOUT0	Out	GOUT[0] / GPO[2]
59	GOUT1	Out	GOUT[1] / GPO[3]
60	VCCO	PO	Output Power (3.3V)
61	GOUT2	Out	GOUT[2]
62	GOUT3	Out	GOUT[3]
63	GOUT4	Out	GOUT[4]
64	GNDO	GO	Output Ground
65	GOUT5	Out	GOUT[5]
66	VCCO	PO	Output Power (3.3V)
67	GOUT6	Out	GOUT[6]
68	GOUT7	Out	GOUT[7]
69	VCCI	PI	Core / Input Power (3.3V)
70	BOUT0	Out	BOUT[0] / GPO[4]
71	BOUT1	Out	BOUT[1] / GPO[5]
72	BOUT2	Out	BOUT[2]
73	GNDO	GO	Output Ground
74	BOUT3	Out	BOUT[3]
75	VCCO	PO	Output Power (3.3V)
76	BOUT4	Out	BOUT[4]
77	BOUT5	Out	BOUT[5]
78	GNDI	GI	Input Ground
79	BOUT6	Out	BOUT[6]
80	BOUT7	Out	BOUT[7]
81	GNDO	GO	Output Ground
82	OCLK	Out	Output Clock
83	VCCO	PO	Output Power (3.3V)
84	ODE	Out	Output Data enable
85	RST0	Out	HS / HREF / VS / VREF / EVEN / PWM3 / GPO[6]
86	RST1	Out	HS / HREF / VS / VREF / EVEN / PWM3 / GPO[7]
87	PWM1	Out	PWM1 / GPO[6]
88	PWM2	Out	PWM2 / GPO[7]
89	IR	In	Remote IR Input
90	INT	Out	Interrupt Output
91	EN	In	Chip Enable / Reset
92	GNDI	GI	Input Ground
93	BITCS	In	BiTEK bus CS
94	BITDIO	I/O	BiTEK bus DIO
95	BITCLK	In	BiTEK bus CLK
96	VCCI	PI	Input Power (3.3V)
97	XCLKI	In	Oscillator Input
98	XCLKO	Out	Oscillator Output
99	GNDI	GI	Input Ground
100	RIN0	In	RIN[0] / VIP2_B[0]

Description of IC Terminal (HS2K219)

Pin No.	Symbol	Description
1	Vcc1	Power supply
2	Modu.1	Fm modulation in
3	F adj.1	Frequency adjust
4	Vss1	GND
5	Modu.2	Fm modulation in
6	F adj.2	Frequency adjust
7	Vss2	GND
8	Fo2	Frequency out
9	Tc	Off time control
10	Tr2	Trigger on
11	Vcc2	Power supply
12	Fo1	Frequency out
13	Nc	
14	Tr1	Trigger on

Description of IC Terminal (BIT1675)

Pin #	Pin Name	I/O	Buffer Type	Description
1	TEST_N	I	Pull Up	Test pin : Normally open or pulled-up
2	IOAS	I	Pull Up	I2C Slave address setting (L : 1000100x, H : 1000101x)
5-8 10-13 16-17	GPIO[9:0]	I/O	Pull Up	General purpose port : Register IO mode, Status output, etc
18	IRQ_N	O	Open Drain	Interrupt request
20	SCL	I	---	I2C Bus clock
21	SDA	I/O	Open Drain	I2C Bus data
22-23 25-28 31-34	SVQ[9:0]	O	Tri State	SV port - Video out For details, please refer to "(Video Port Interface " on page 45
36	SFLD	O	Tri State	SV port - Field display
37	SCBF	O	Tri State	SV port - Cb display
38	SVB	O	Tri State	SV port - Vertical blanking signa
39	SHB	O	Tri State	SV port - Horizontal blanking signa
40	SVS	O	Tri State	SV port - Vertical sync signa
41	SHS	O	Tri State	SV port - Horizontal sync signal / CSYNC
43-46 51-52 54-55 57-60 63-66	DVO[15:00]	O	Tri State	DV port - Video out For details, please refer to "(Video Port Interface" on page 45
49	SCK	O	---	SV port - Clock
67	DTRDY	I	Pull Up	DV port - Target ready signa
69	DCK	I/O	---	DV port -Clock
71	DVAL	O	Tri State	DV port - Data enable / Gated clock
72	DGHP	O	Tri State	DV port - Horizontal general purpose signa
73	DGVP	O	Tri State	DV port - Vertical general purpose signa
74	DGP0	O	Tri State	DV port - General purpose signal 0
75	DGP1	O	Tri State	DV port - General purpose signal 1
77	CKX2	O	---	Clock output (double the pixel clock frequency)
79	CKX1	O	---	Clock output (pixel clock frequency)
81	XTLO	O	---	Crystal output
82	XTLI	I	---	Crystal input
84	VCXO	O	Tri State	PWM output for VCXO control voltage
86	PWDN	I	---	Power down : When "H" is applied, power down mode (releasable by register setting) When "L" is applied, nomal mode
87	TSCE_N	I	Pull Up	Test pin : Normally open or pulled-up
89	OE	I	---	Output port enable : When "H" is applied, output ports (SVD, DVO) are enablec (Only the used pins will be enabled. For example, when in S port 8-bit output mode, unused lower 2 bits will be "Hi-Z" When "L" is applied, the SVO and DVO ports will be forcec to "Hi-Z"
90	RST_N	I	Pull Up	Reset signal. Reset by "L" input
91	TDO	O	Tri State	JTAG
93	TDI	I	Pull Up	JTAG
94	TMS	I	Pull Up	JTAG
95	TCK	I	Pull Up	JTAG
96	TRST_N	I	Pull Up	JTAG
97	TAFE_N	I	Pull Up	VAFE test pin : Normally open or pulled-up
102	AIN23	I	Analog	Analog video input, CH2 - 3(SV-C/D1-Pb/D1-Pr)
104	AIN22	I	Analog	Analog video input, CH2 - 2(SV-C/D1-Pb/D1-Pr)
106	AIN21	I	Analog	Analog video input, CH2 - 1(SV-C/D1-Pb/D1-Pr)
107	VBYP	I	Analog	Analog chroma - Clamp voltage-in: usually connected with VCM
108	AIN20	I	Analog	Analog video input, CH2 - 0(SV-C/D1-Pb/D1-Pr)
110	AIN13	I	Analog	Analog video input, CH1 - 3(SV-C/D1-Pb/D1-Pr)
112	AIN12	I	Analog	Analog video input, CH1 - 2(SV-C/D1-Pb/D1-Pr)
113	VBYN	I	Analog	Analog chroma - Clamp voltage-input: usually connected with VCM
114	AIN11	I	Analog	Analog video input, CH1 - 1(SV-C/D1-Pb/D1-Pr)
115	IBIAS	I	Analog	Analog test pin: Usually connected with analog GND
116	AIN10	I	Analog	Analog video input, CH1 - 0(SV-C/D1-Pb/D1-Pr)
118	AIN00	I	Analog	Analog video input, CH0 - 0(CVBS/SV-Y/D1-Y)
120	AIN01	I	Analog	Analog video input, CH0 - 1(CVBS/SV-Y/D1-Y)
121	VCN	O	Analog	Analog common voltage
122	AIN02	I	Analog	Analog video input, CH0 - 2(CVBS-SV-Y/D1-Y)
123	VBG	O	Analog	Analog band-gap voltage
124	AIN03	I	Analog	Analog video inputm CH0 - 3(CVBS/SV-Y/D1-Y)
126	VREFN	O	Analog	Analog reference voltage (negative)

Description of IC Terminal (BIT1675)

Pin #	Pin Name	I/O	Buffer Type	Description
127	VREFP	O	Analog	Analog reference voltage (positive)
3, 14, 29, 47, 61, 68, 78, 83	VDD	---	---	Digital VDD (+3.3V for buffer)
4, 9, 24, 30, 35, 42, 50, 56, 62, 70, 76, 80 85, 98	VSS	---	---	Digital GND
15, 48, 92	VSSI	---	---	Digital GND
19, 53, 88	VDDI	---	---	Digital VDD (+2.5V)
99, 103, 111, 117, 125	AVDD	---	---	Analog VDD (+2.5V)
100, 101, 105, 109, 119, 128	AGND	---	---	Analog GND

Description of IC Terminal (SM5964)

Pin No.	Symbol	I / O	Description
1	SPWM2/P1.5	I/O	SPWM Channel 2 , bit5 of port 1
2	SPWM3/P1.6	I/O	SPWM Channel 3 , bit6 of port 1
3	SPWM4/P1.7	I/O	SPWM Channel 4 , bit7 of port 1
4	RES	I	Reset
5	RXD/P3	I/O	Receive data & bit 0 of port 3
6	P4.3	I/O	bit 3 of port 4
7	TXD/P3.1	I/O	Transmit data & bit 1 of port 3
8	#INT0/P3.2	I/O	Low true interrupt 0 & bit 2 of port 3
9	#INT1/P3.3	I/O	Low true interrupt 1 & bit 3 of port 3
10	T0/P3.4	I/O	Time 0 & bit 4 of port 3
11	T1/P3.5	I/O	Time 1 & bit 5 of port 3
12	#WR/P3.6	I/O	ext. memory write & bit 6 of port 3
13	#RD/P3.7	I/O	ext. memory read & bit 7 of port 3
14	XTAL2	O	Crystal out
15	XTAL1	I	Crystal in
16	VSS		Sink Voltage , Ground
17	P4.0	I/O	bit 0 of port 4
18	P2.0/A8	I/O	bit 0 of port 2 & bit 8 of external memory address
19	P2.1/A9	I/O	bit 1 of port 2 & bit 9 of external memory address
20	P2.2/A10	I/O	bit 2 of port 2 & bit 10 of external memory address
21	P2.3/A11	I/O	bit 3 of port 2 & bit 11 of external memory address
22	P2.4/A12	I/O	bit40 of port 2 & bit 12 of external memory address
23	P2.5/A13	I/O	bit 5 of port 2 & bit 13 of external memory address
24	P2.6/A14	I/O	bit 6 of port 2 & bit 14 of external memory address
25	P2.7/A15	I/O	bit 7 of port 2 & bit 15 of external memory address
26	#PSEN	O	program storage enable
27	ALE	O	address latch access
28	P4.1	I	bit 1 of port 4
29	#EA	I/O	external access
30	P0.7/AD7	I/O	bit 7 of port 0 & data/address bit 7 of external memor
31	P0.6/AD6	I/O	bit 6 of port 0 & data/address bit 6 of external memor
32	P0.5/AD5	I/O	bit 5 of port 0 & data/address bit 5 of external memor
33	P0.4/AD4	I/O	bit 4 of port 0 & data/address bit 4 of external memor
34	P0.3/AD3	I/O	bit 3 of port 0 & data/address bit 3 of external memor
35	P0.2/AD2	I/O	bit 2 of port 0 & data/address bit 2 of external memor
36	P0.1/AD1	I/O	bit 1 of port 0 & data/address bit 1 of external memor
37	P0.0/AD0	I/O	bit 0 of port 0 & data/address bit 0 of external memor
38	VDD		Drive Voltage
39	P4.2	I/O	bit 2 of port 4
40	T2/P1.0	I/O	timer 2 colck out & bit 0 of port 1
41	T2EX/P1.1	I/O	timer 2 control & bit 1 of port 1
42	P1.2	I/O	bit 2 of port 1
43	SPWM0/P1.3	I/O	SPWM Channel 0 , bit 3 of port 1
44	SPWM1/P1.4	I/O	SPWM Channel 1 , bit 4 of port 1

Description of AU Panel Pin Assignment

Pin	Name	Type	Function Description
1	POL	O	Polarity selection
2	DIO 2	I/O	Vertical start pulse signal input or output
3	OE	I	Output enable
4	CPV	I	vertical clock
5	DIO 1	I	Vertical start pulse signal input or output
6	GND	I	Power ground
7	EDGSL	I	Select rising edge or rising/falling edge
8	VCC	I	Digital voltage for source drive
9	V9	I	Gam ma voltage level 9
10	VGL	I	Gate OFF voltage
11	V2	I	Gam ma voltage level 2
12	VGH	I	Gate ON voltage
13	V6	I	Gam ma voltage level 6
14	U/D	I	Up/down selector
15	VCOM 1	I	Common voltage
16	GND	I	Power ground
17	AVDD1	I	Power supply for analog circuit
18	V14	I	Gam ma voltage level 14
19	V11	I	Gam ma voltage level 11
20	V8	I	Gam ma voltage level 8
21	V5	I	Gam ma voltage level 5
22	V3	I	Gam ma voltage level 3
23	GND	I	Power ground
24	R5	I	Red data(MSB)
25	R4	I	Red data
26	R3	I	Red data
27	R2	I	Red data
28	R1	I	Red data
29	R0	I	Red data(LSB)
30	GND	I	Power ground
31	GND	I	Power ground
32	G5	I	Green data (MSB)
33	G4	I	Green data
34	G3	I	Green data
35	G2	I	Green data
36	G1	I	Green data
37	G0	I	Green data (LSB)
38	STHL	I/O	Horizontal start pulse signal input or output
39	INV	I	Control signal are inverted by ASIC or no
40	GND	I	Power ground
41	DCLK	I	Sample clock
42	DVDD	I	Voltage for digital circuit
43	STHR	I/O	Horizontal start pulse signal input or output
44	LD	I	Latches the polarity of outputs and switches the new data to output
45	B5	I	Blue data (MSB)
46	B4	I	Blue data
47	B3	I	Blue data
48	B2	I	Blue data
49	B1	I	Blue data
50	B0	I	Blue data (LSB)
51	R/L	I	Right left selector
52	V1	I	Gam ma voltage level 1
53	V4	I	Gam ma voltage level 4
54	V7	I	Gam ma voltage level 7
55	V10	I	Gam ma voltage level 10
56	V12	I	Gam ma voltage level 12
57	V13	I	Gam ma voltage level 13
58	AVDD2	I	Voltage for analog circuit
59	GND	I	Power ground
60	VCOM2	I	Common voltage

**Electronic Parts List
Driver Board**

**Electronic Parts List
Driver Board**

Parts Number	Description	Location
32-10414-2B1	0603 100nF 50V -20%/+80%	C607
32-10414-2B1	0603 100nF 50V -20%/+80%	C608
32-10414-2B1	0603 100nF 50V -20%/+80%	C609
32-10414-2B1	0603 100nF 50V -20%/+80%	C610
32-10414-2B1	0603 100nF 50V -20%/+80%	C611
32-10414-2B1	0603 100nF 50V -20%/+80%	C612
32-10414-2B1	0603 100nF 50V -20%/+80%	C613
32-10414-2B1	0603 100nF 50V -20%/+80%	C614
32-10414-2B1	0603 100nF 50V -20%/+80%	C638
32-10414-2B1	0603 100nF 50V -20%/+80%	C700
32-10414-2B1	0603 100nF 50V -20%/+80%	C701
32-10414-2B1	0603 100nF 50V -20%/+80%	C702
32-10414-2B1	0603 100nF 50V -20%/+80%	C703
32-10414-2B1	0603 100nF 50V -20%/+80%	C704
32-10414-2B1	0603 100nF 50V -20%/+80%	C705
32-10414-2B1	0603 100nF 50V -20%/+80%	C706
32-10414-2B1	0603 100nF 50V -20%/+80%	C707
32-10414-2B1	0603 100nF 50V -20%/+80%	C708
32-10414-2B1	0603 100nF 50V -20%/+80%	C709
32-10414-2B1	0603 100nF 50V -20%/+80%	C710
32-10414-2B1	0603 100nF 50V -20%/+80%	C711
32-10414-2B1	0603 100nF 50V -20%/+80%	C712
32-10414-2B1	0603 100nF 50V -20%/+80%	C800
32-10414-2B1	0603 100nF 50V -20%/+80%	C801
32-10414-2B1	0603 100nF 50V -20%/+80%	C802
32-10414-2B1	0603 100nF 50V -20%/+80%	C803
32-10414-2B1	0603 100nF 50V -20%/+80%	C336
32-10414-2B1	0603 100nF 50V -20%/+80%	C337
32-10414-2B1	0603 100nF 50V -20%/+80%	C338
32-10414-2B1	0603 100nF 50V -20%/+80%	C339
32-10414-2B1	0603 100nF 50V -20%/+80%	C340
32-10414-2B1	0603 100nF 50V -20%/+80%	C341
32-10414-2B1	0603 100nF 50V -20%/+80%	C342
32-10414-2B1	0603 100nF 50V -20%/+80%	C343
32-10414-2B1	0603 100nF 50V -20%/+80%	C344
32-10414-2B1	0603 100nF 50V -20%/+80%	C345
32-10414-2B1	0603 100nF 50V -20%/+80%	C510
32-10414-2B1	0603 100nF 50V -20%/+80%	C511
32-10511-2B1	0603 1uF 16V -20%/+80%	C527
32-10511-2B1	0603 1uF 16V -20%/+80%	C528
32-47414-2B1	470nF -20%~80% 25V 0603 (Y5V)	C814
32-47414-2B1	470nF -20%~80% 25V 0603 (Y5V)	C821
35-00034-151	0603 0Ω 5%	R1
35-00034-151	0603 0Ω 5%	R112
35-00034-151	0603 0Ω 5%	R216
35-00034-151	0603 0Ω 5%	R217
35-00034-151	0603 0Ω 5%	R220
35-00034-151	0603 0Ω 5%	R400
35-00034-151	0603 0Ω 5%	R401
35-00034-151	0603 0Ω 5%	R505
35-00034-151	0603 0Ω 5%	R506
35-00034-151	0603 0Ω 5%	R709
35-00034-151	0603 0Ω 5%	R203
35-00034-151	0603 0Ω 5%	R207
35-00034-151	0603 0Ω 5%	R208
35-00034-151	0603 0Ω 5%	R210
35-00034-151	0603 0Ω 5%	R222
35-00034-151	0603 0Ω 5%	R227
35-00034-151	0603 0Ω 5%	R229
35-00034-151	0603 0Ω 5%	R230
35-00034-151	0603 0Ω 5%	R231
35-00034-151	0603 0Ω 5%	R237
35-00034-151	0603 0Ω 5%	R508
35-00034-111	1206 0Ω 5%	FB201
35-00034-111	1206 0Ω 5%	FB300
35-00034-111	1206 0Ω 5%	FB600
35-00034-111	1206 0Ω 5%	FB601
081-32164-100	3216FF-1A 1.6*3.2mm	F800
35-18234-151	0603 1.8KΩ 5%	R810
39-18000-1F1	SMD 1.8UH 3225	L300

Parts Number	Description	Location
39-18000-1F1	SMD 1.8UH 3225	L301
35-10434-151	0603 100KΩ 5%	R103
35-10434-151	0603 100KΩ 5%	R235
35-10434-151	0603 100KΩ 5%	R513
36-10035-651	0603 100KΩ 1%	R225
32-10122-2B1	0603 100pF 25V	C226
35-10134-151	0603 100Ω 5%	R322
35-10134-151	0603 100Ω 5%	R323
35-10134-151	0603 100Ω 5%	R603
35-10134-151	0603 100Ω 5%	R700
35-10134-151	0603 100Ω 5%	R701
35-10134-151	0603 100Ω 5%	R602
049-100U43-00	100U/25V 6.3*7.7 ±20%	C108
049-100U43-00	100U/25V 6.3*7.7 ±20%	C109
049-100U43-00	100U/25V 6.3*7.7 ±20%	C110
049-100U43-00	100U/25V 6.3*7.7 ±20%	C111
049-100U43-00	100U/25V 6.3*7.7 ±20%	C112
049-100U43-00	100U/25V 6.3*7.7 ±20%	C113
049-100U43-00	100U/25V 6.3*7.7 ±20%	C114
049-100U43-00	100U/25V 6.3*7.7 ±20%	C224
049-100U43-00	100U/25V 6.3*7.7 ±20%	C225
049-100U43-00	100U/25V 6.3*7.7 ±20%	C615
049-100U43-00	100U/25V 6.3*7.7 ±20%	C616
049-100U43-00	100U/25V 6.3*7.7 ±20%	C617
049-100U43-00	100U/25V 6.3*7.7 ±20%	C618
049-100U43-00	100U/25V 6.3*7.7 ±20%	C619
049-100U43-00	100U/25V 6.3*7.7 ±20%	C620
049-100U43-00	100U/25V 6.3*7.7 ±20%	C621
049-100U43-00	100U/25V 6.3*7.7 ±20%	C622
049-100U43-00	100U/25V 6.3*7.7 ±20%	C623
049-100U43-00	100U/25V 6.3*7.7 ±20%	C624
049-100U43-00	100U/25V 6.3*7.7 ±20%	C625
049-100U43-00	100U/25V 6.3*7.7 ±20%	C626
049-100U43-00	100U/25V 6.3*7.7 ±20%	C627
049-100U43-00	100U/25V 6.3*7.7 ±20%	C628
049-100U43-00	100U/25V 6.3*7.7 ±20%	C629
049-100U43-00	100U/25V 6.3*7.7 ±20%	C630
39-10113-091	SMD 100uH±10% 0705-101K	L101
39-10113-091	SMD 100uH±10% 0705-101K	L800
39-10102-221	SMD 100uH±10% 0403-101K	L622
35-10334-151	0603 10KΩ 5%	R109
35-10334-151	0603 10KΩ 5%	R201
35-10334-151	0603 10KΩ 5%	R502
35-10334-151	0603 10KΩ 5%	R604
35-10334-151	0603 10KΩ 5%	R511
35-10334-151	0603 10KΩ 5%	R803
35-10334-151	0603 10KΩ 5%	R605
35-10334-151	0603 10KΩ 5%	R607
35-10334-151	0603 10KΩ 5%	R807
35-10334-151	0603 10KΩ 5%	R808
35-10334-151	0603 10KΩ 5%	R108
35-10334-151	0603 10KΩ 5%	R705
32-39022-2B1	0603 39pF 50V ±5%	C334
32-39022-2B1	0603 39pF 50V ±5%	C335
32-1803H-141	1808 18pF 3KV ±5%	C818
35-10034-151	0603 10Ω 5%	R233
35-10034-151	0603 10Ω 5%	R110
049-010U42-01	10UF/16V 4*5.4mm	C328
049-010U42-01	10UF/16V 4*5.4mm	C329
049-010U42-01	10UF/16V 4*5.4mm	C330
049-010U42-01	10UF/16V 4*5.4mm	C507
049-010U42-01	10UF/16V 4*5.4mm	C631
049-010U42-01	10UF/16V 4*5.4mm	C632
049-010U42-01	10UF/16V 4*5.4mm	C633
32-10622-221	1206 10uF 10V -20%/+80%	C815
32-10622-221	1206 10uF 10V -20%/+80%	C816
32-10622-221	1206 10uF 10V -20%/+80%	C236
32-10622-221	1206 10uF 10V -20%/+80%	C237
32-10622-221	1206 10uF 10V -20%/+80%	C306
32-10622-221	1206 10uF 10V -20%/+80%	C307

Electronic Parts List		
Driver Board		
Parts Number	Description	Location
32-10622-221	1206 10uF 10V -20%/+80%	C713
056-000058-20	SMD 451616-N2-121A COILS	FB200
056-000058-20	SMD 451616-N2-121A COILS	FB604
056-000058-20	SMD 451616-N2-121A COILS	FB605
056-000058-20	SMD 451616-N2-121A COILS	FB606
141-14M20-100	14.318Mhz/20PF/30PPM/49US/SMD	Y500
141-14M20-100	14.318Mhz/20PF/30PPM/49US/SMD	Y700
35-12334-151	0603 12K Ω 5%	R510
35-15134-151	0603 150 Ω 5%	R206
35-15134-151	0603 150 Ω 5%	R228
35-15134-151	0603 150 Ω 5%	R509
35-15434-151	0603 150K Ω 5%	R106
35-15434-151	0603 150K Ω 5%	R805
35-15434-151	0603 150K Ω 5%	R813
35-15334-151	0603 15K Ω 5%	R241
35-15334-151	0603 15K Ω 5%	R242
32-18022-2B1	0603 18pF 25V \pm 5%	C715
32-18022-2B1	0603 18pF 25V \pm 5%	C716
32-18022-2B1	0603 18pF 25V \pm 5%	C304
32-18022-2B1	0603 18pF 25V \pm 5%	C305
35-10234-151	0603 1K Ω 5%	R239
35-10234-151	0603 1K Ω 5%	R309
35-10234-151	0603 1K Ω 5%	R310
35-10234-151	0603 1K Ω 5%	R311
35-10234-151	0603 1K Ω 5%	R312
35-10234-151	0603 1K Ω 5%	R313
35-10234-151	0603 1K Ω 5%	R314
35-10234-151	0603 1K Ω 5%	R315
35-10234-151	0603 1K Ω 5%	R316
35-10234-151	0603 1K Ω 5%	R811
35-10234-151	0603 1K Ω 5%	R202
35-10234-151	0603 1K Ω 5%	R204
35-10234-151	0603 1K Ω 5%	R209
35-10234-151	0603 1K Ω 5%	R215
35-10234-151	0603 1K Ω 5%	R219
35-10234-151	0603 1K Ω 5%	R226
35-10234-151	0603 1K Ω 5%	R238
35-10234-151	0603 1K Ω 5%	R243
35-10232-111	1206 1K Ω 5%	R800
35-10534-151	0603 1M Ω 5%	R706
35-10534-151	0603 1M Ω 5%	R325
42-N4148-030	SMD 1N4148	D101
42-N4148-030	SMD 1N4148	D102
42-N5819-021	SMD 1N5819	D501
42-N5819-021	SMD 1N5819	D502
42-SS355-014	1SS355TE-17 SOD-323 SMD	D500
32-10511-2B1	0603 1uF 16V -20%/+80%	C126
32-10511-2B1	0603 1uF 16V -20%/+80%	C806
32-10511-2B1	0603 1uF 16V -20%/+80%	C807
32-10511-2B1	0603 1uF 16V -20%/+80%	C808
32-10524-211	0805 1uF 50V -20%/+80%	C228
32-10524-211	0805 1uF 50V -20%/+80%	C229
32-10524-211	0805 1uF 50V -20%/+80%	C230
32-10524-211	0805 1uF 50V -20%/+80%	C231
35-22234-151	0603 2.2K Ω 5%	R107
046-2R2U23-00	C/C Y5V 2.2uF/16V \pm 5% 0805	C232
046-2R2U23-00	C/C Y5V 2.2uF/16V \pm 5% 0805	C233
046-2R2U23-00	C/C Y5V 2.2uF/16V \pm 5% 0805	C234
046-2R2U23-00	C/C Y5V 2.2uF/16V \pm 5% 0805	C235
35-22434-151	0603 220K Ω 5%	R102
35-22434-151	0603 220K Ω 5%	R200
35-20334-151	0603 20K Ω 5%	R111
35-22134-151	0603 220 Ω 5%	R814
32-22122-2B1	0603 220pF 50V \pm 5%	C300
32-22122-2B1	0603 220pF 50V \pm 5%	C301
32-22122-2B1	0603 220pF 50V \pm 5%	C302
32-22122-2B1	0603 220pF 50V \pm 5%	C303
032-220R24-50	1206 220 Ω 5%	R801
055-Y1006-100	SMD LY1006-221K 220uH 1KHz/1V	L100
35-22334-151	0603 22K Ω 5%	R516

Electronic Parts List		
Driver Board		
Parts Number	Description	Location
35-22334-151	0603 22K Ω 5%	R517
32-22034-1B1	0603 22pF 50V \pm 5%	C227
32-22034-1B1	0603 22pF 50V \pm 5%	C331
32-22034-1B1	0603 22pF 50V \pm 5%	C514
32-22034-1B1	0603 22pF 50V \pm 5%	C515
32-22034-1B1	0603 22pF 50V \pm 5%	C516
32-22034-1B1	0603 22pF 50V \pm 5%	C517
32-22034-1B1	0603 22pF 50V \pm 5%	C518
32-22034-1B1	0603 22pF 50V \pm 5%	C519
32-22034-1B1	0603 22pF 50V \pm 5%	C520
32-22034-1B1	0603 22pF 50V \pm 5%	C521
32-22034-1B1	0603 22pF 50V \pm 5%	C522
32-22034-1B1	0603 22pF 50V \pm 5%	C523
32-22034-1B1	0603 22pF 50V \pm 5%	C639
32-22034-1B1	0603 22pF 50V \pm 5%	C640
32-22034-1B1	0603 22pF 50V \pm 5%	C641
32-22034-1B1	0603 22pF 50V \pm 5%	C642
32-22034-1B1	0603 22pF 50V \pm 5%	C643
32-22034-1B1	0603 22pF 50V \pm 5%	C644
32-22034-1B1	0603 22pF 50V \pm 5%	C645
32-22034-1B1	0603 22pF 50V \pm 5%	C646
32-22034-1B1	0603 22pF 50V \pm 5%	C647
32-22034-1B1	0603 22pF 50V \pm 5%	C648
32-22034-1B1	0603 22pF 50V \pm 5%	C649
32-22034-1B1	0603 22pF 50V \pm 5%	C650
32-22034-1B1	0603 22pF 50V \pm 5%	C651
32-22034-1B1	0603 22pF 50V \pm 5%	C652
32-22034-1B1	0603 22pF 50V \pm 5%	C653
32-22034-1B1	0603 22pF 50V \pm 5%	C654
32-22034-1B1	0603 22pF 50V \pm 5%	C655
32-22034-1B1	0603 22pF 50V \pm 5%	C656
32-22034-1B1	0603 22pF 50V \pm 5%	C657
32-22034-1B1	0603 22pF 50V \pm 5%	C658
32-22034-1B1	0603 22pF 50V \pm 5%	C717
32-22034-1B1	0603 22pF 50V \pm 5%	C718
32-22034-1B1	0603 22pF 50V \pm 5%	C719
041-022320-00	1206 22uF/10V	C222
041-022320-00	1206 22uF/10V	C223
055-022U38-00	SMD 22uH 0.9A \pm 10% 5D28 TYPE	L600
021-EEPROM-10	24LC04B-I 8PIN SOIC	U501
41-27000-010	27MHZ/49US/20PF/30PPM/SMD	Y300
43-39040-03B	SMD 2N3904	Q101
43-39040-03B	SMD 2N3904	Q600
43-39040-03B	SMD 2N3904	Q800
43-39040-03B	SMD 2N3904	Q801
43-39040-03B	SMD 2N3904	Q803
43-39040-03B	SMD 2N3904	Q500
43-39040-03B	SMD 2N3904	Q501
43-39040-03B	SMD 2N3904	Q502
43-39060-03B	SMD 2N3906(PNP) SOT23	Q100
43-39060-03B	SMD 2N3906(PNP) SOT23	Q601
43-39060-03B	SMD 2N3906(PNP) SOT23	Q804
43-39060-03B	SMD 2N3906(PNP) SOT23	Q503
43-K7002-010	SOT-23-CBE RK7002	Q300
43-K7002-010	SOT-23-CBE RK7002	Q301
43-K7002-010	SOT-23-CBE RK7002	Q802
35-33234-151	0603 3.3K Ω 5%	R114
35-33234-151	0603 3.3K Ω 5%	R224
051-3R320-100	SMD 3.3uH \pm 20% 4D18-3R3M	L200
032-300R24-50	1206 300 Ω 5%	R104
35-30334-151	0603 30K Ω 5%	R815
35-30334-151	0603 30K Ω 5%	R214
35-30114-151	0603 30 Ω 5%	R324
35-30114-151	0603 30 Ω 5%	R223
32-30034-1B1	0603 30pF 50V \pm 5%	C508
32-30034-1B1	0603 30pF 50V \pm 5%	C509
35-33134-151	0603 330 Ω 5%	R232
35-33034-151	0603 33 Ω 5%	R304
35-33034-151	0603 33 Ω 5%	R326
35-33034-151	0603 33 Ω 5%	R327

Electronic Parts List Driver Board		
Parts Number	Description	Location
35-33034-151	0603 33Ω 5%	R704
37-33037-087	0603 33Ω 8PIN 5%	RP300
37-33037-087	0603 33Ω 8PIN 5%	RP301
37-33037-087	0603 33Ω 8PIN 5%	RP700
37-33037-087	0603 33Ω 8PIN 5%	RP701
37-33037-087	0603 33Ω 8PIN 5%	RP702
37-33037-087	0603 33Ω 8PIN 5%	RP703
37-33037-087	0603 33Ω 8PIN 5%	RP704
37-33037-087	0603 33Ω 8PIN 5%	RP705
37-33037-087	0603 33Ω 8PIN 5%	RP706
37-33037-087	0603 33Ω 8PIN 5%	RP707
033-442R00-30	0603 442Ω 1%	R819
35-47234-151	0603 4.7KΩ 5%	R305
35-47234-151	0603 4.7KΩ 5%	R306
35-47234-151	0603 4.7KΩ 5%	R307
35-47234-151	0603 4.7KΩ 5%	R308
35-47234-151	0603 4.7KΩ 5%	R500
35-47234-151	0603 4.7KΩ 5%	R501
35-47234-151	0603 4.7KΩ 5%	R600
35-47234-151	0603 4.7KΩ 5%	R601
35-47234-151	0603 4.7KΩ 5%	R816
031-47012-2A0	0603 4.7KΩ 8PIN 5%	RP500
031-47012-2A0	0603 4.7KΩ 8PIN 5%	RP501
046-2R2U33-00	1210 2.2uF/25V ±10%	C817
35-47134-151	0603 470Ω 5%	R817
32-47422-2C1	0805 470nF 25V -20%/+80%	C820
32-47022-2B1	0603 47pF 50V ±5%	C332
32-47022-2B1	0603 47pF 50V ±5%	C333
049-047U43-00	47U/25V 6.3*5.8 ±20%	C124
049-047U43-00	47U/25V 6.3*5.8 ±20%	C125
049-047U43-00	47U/25V 6.3*5.8 ±20%	C634
049-047U43-00	47U/25V 6.3*5.8 ±20%	C635
049-047U43-00	47U/25V 6.3*5.8 ±20%	C636
049-047U43-00	47U/25V 6.3*5.8 ±20%	C637
049-047U43-00	47U/25V 6.3*5.8 ±20%	C804
049-047U43-00	47U/25V 6.3*5.8 ±20%	C805
049-047U43-00	47U/25V 6.3*5.8 ±20%	C512
049-047U43-00	47U/25V 6.3*5.8 ±20%	C513
049-047U43-00	47U/25V 6.3*5.8 ±20%	C809
049-047U43-00	47U/25V 6.3*5.8 ±20%	C810
16-10303-503	SMD 3*3 50KΩ	VR200
35-51134-151	0603 510Ω 5%	R234
35-51134-151	0603 510Ω 5%	R205
35-51334-151	0603 51KΩ 5%	R802
35-56234-151	0603 5.6KΩ 5%	R514
35-56234-151	0603 5.6KΩ 5%	R515
32-56322-2B1	0603 56nF 50V ±5%	C811
35-56434-151	SMD RES 560KΩ ±5% 0603	R213
35-62234-151	SMD RES 6.2KΩ ±5% 0603	R240
35-68134-151	0603 680Ω 5%	R512
35-68334-151	0603 68KΩ 5%	R812
32-68022-2B1	0603 68pF 50V ±5%	C127
32-68022-2B1	0603 68pF 50V ±5%	C400
32-68022-2B1	0603 68pF 50V ±5%	C402
32-68022-2B1	0603 68pF 50V ±5%	C403
046-068P15-00	1206(8P4R) ARRAY TYPE 68PE 50V	C404
046-068P15-00	1206(8P4R) ARRAY TYPE 68PE 50V	C405
046-068P15-00	1206(8P4R) ARRAY TYPE 68PE 50V	C406
046-068P15-00	1206(8P4R) ARRAY TYPE 68PE 50V	C407
046-068P15-00	1206(8P4R) ARRAY TYPE 68PE 50V	C408
046-068P15-00	1206(8P4R) ARRAY TYPE 68PE 50V	C409
102-UDZ75B-10	UDZ7.5B UMD2(SOD-323)SMD	D205
102-PTZ82B-10	RLZ8.2B(LL-34)8.2V SMD	D800
35-75034-151	0603 75Ω 5%	R300
35-75034-151	0603 75Ω 5%	R301
033-075K00-30	0603 75KΩ 1%	R809
033-075K00-30	0603 75KΩ 1%	R804
44-1PLCC-044	PLCC 44PIN SMD	U500
35-82234-151	0603 8.2KΩ 5%	R113
35-82434-151	0603 820KΩ 5%	R105

Electronic Parts List Driver Board		
Parts Number	Description	Location
32-82122-2B1	0603 820pF 50V ±5%	C819
032-082K02-30	0603 82KΩ 1%	R806
35-51034-151	0603 51Ω 5%	R221
35-91214-151	0603 9.1KΩ 5%	R236
071-UD209-100	UDZ09 SOD-323 9.1V SMD	D100
021-D8565-100	D8565 Operational Amplifiers	U202
026-DP1610-10	1.2MHZ DC-DC STEP-UP CONVERTER	U200
023-E8800-100	SMD AME8800AEFT(SOT-89,3.3V)	U502
24-B3902-000	B3902 P8N CHANNEL 30-V (SO-8)	U801
022-DM4953-10	DUAL P-CHAMMEL FET SO-8	U101
022-DM4953-10	DUAL P-CHAMMEL FET SO-8	U600
25-5964C-7AC	SM5964C40J	U500
24-P9435-000	AP9435M APEC P-CHANNEL(SO-8)	U604
28-T3102-01V	BIT3102A SMD S-O8(PWM IC)	U100
28-IT113-100	BIT1132 SMD QFP100 VGA TO XGA	U700
020-IT1675-10	Bit1675 Digital Video Decoder	U300
023-BI3193-10	Controller SSOP-16 Bitek	U800
121-12512-210	PH:1.25mm 12PIN SMD 90 degree	J500
120-35002-010	PH:3.5mm 2PIN SMD TYPE	CN800
121-050303-00	PH:0.5mm(FPT-30-A)30PIN	J400
121-050303-00	PH:0.5mm(FPT-30-A)30PIN	J401
121-125092-00	PH:1.25mm 9PIN SMD 90 degree	J600
071-A204U-100	DA204U UMD3(SOT-323) SMD	D801
071-A204U-100	DA204U UMD3(SOT-323) SMD	D802
102-DAN217-10	SMD DIODE DAN217 SOT-346	D201
102-DAN217-10	SMD DIODE DAN217 SOT-346	D202
102-DAN217-10	SMD DIODE DAN217 SOT-346	D203
081-32169-100	3216FF-3A 1.6*3.2mm	F600
121-200132-01	PH : 2.0mm 13PIN DIP 90 (LOCK)	JP600
071-B160L-100	RB160L-40TE25 SMD	D600
023-111725-10	LD1117-2.5 1.0A SOT-223	U603
28-11173-13C	1117-3.3V SMD SOT-223	U601
28-11173-13C	1117-3.3V SMD SOT-223	U602
023-SL2980-10	VOLTAGE REGULATOR SOT-23 SH	U201
102-B0703C-10	Shottky Barrier Diode	D200
42-B060L-014	SMD RB060L-40	D103
071-UDZS1-100	UDZS16B UMD2(SOD-323) SMD	D204
090-2000TS-10	UI9.8 13TS-2000TS	T800
24-K7002-000	RK7002T106 60V 115mA SOT-23	Q102
056-03A221-00	SMD 220Ω±25% LCM-E0603A221	L511
056-03A221-00	SMD 220Ω±25% LCM-E0603A221	L512
056-03A601-00	SMD 600Ω±25% LCM-E0603A601	L503
056-03A601-00	SMD 600Ω±25% LCM-E0603A601	L504
056-03A601-00	SMD 600Ω±25% LCM-E0603A601	L505
056-03A601-00	SMD 600Ω±25% LCM-E0603A601	L506
056-03A601-00	SMD 600Ω±25% LCM-E0603A601	L507
056-03A601-00	SMD 600Ω±25% LCM-E0603A601	L508
056-03A601-00	SMD 600Ω±25% LCM-E0603A601	L509
056-03A601-00	SMD 600Ω±25% LCM-E0603A601	L510
056-03A601-00	SMD 600Ω±25% LCM-E0603A601	L601
056-03A601-00	SMD 600Ω±25% LCM-E0603A601	L602
056-03A601-00	SMD 600Ω±25% LCM-E0603A601	L603
056-03A601-00	SMD 600Ω±25% LCM-E0603A601	L604
056-03A601-00	SMD 600Ω±25% LCM-E0603A601	L605
056-03A601-00	SMD 600Ω±25% LCM-E0603A601	L606
056-03A601-00	SMD 600Ω±25% LCM-E0603A601	L607
056-03A601-00	SMD 600Ω±25% LCM-E0603A601	L608
056-03A601-00	SMD 600Ω±25% LCM-E0603A601	L609
056-03A601-00	SMD 600Ω±25% LCM-E0603A601	L610
056-03A601-00	SMD 600Ω±25% LCM-E0603A601	L611
056-03A601-00	SMD 600Ω±25% LCM-E0603A601	L612
056-03A601-00	SMD 600Ω±25% LCM-E0603A601	L613
056-03A601-00	SMD 600Ω±25% LCM-E0603A601	L614
056-03A601-00	SMD 600Ω±25% LCM-E0603A601	L615
056-03A601-00	SMD 600Ω±25% LCM-E0603A601	L616
056-03A601-00	SMD 600Ω±25% LCM-E0603A601	L617
056-06A310-00	SMD 31Ω±25% LCM-E1206A310	L500
056-06A310-00	SMD 31Ω±25% LCM-E1206A310	L501
056-06A310-00	SMD 31Ω±25% LCM-E1206A310	L502
056-06A310-00	SMD 31Ω±25% LCM-E1206A310	L618

Electronic Parts List

Driver Board		
Parts Number	Description	Location
056-06A310-00	SMD 31 Ω±25% LCM-E1206A310	L619
056-06A310-00	SMD 31 Ω±25% LCM-E1206A310	L620
056-06A310-00	SMD 31 Ω±25% LCM-E1206A310	L621
056-120U33-00	SMD Z=120Ω Rdc=0.3Ω Idc=200m	R703
056-060053-00	SMD 0603 60Ω±25% 200mA	R702
35-30314-151	0603 300k Ω 5%	R818
32-22314-2B1	0603 22nF 50V ±10%	C812
151-102MFA-20	4LAYERS 231*174*1.6(mm) FR-4	

Electronic Parts List

Key Board		
Parts Number	Description	Location
65E-102MFA-00	KEY BOARD PCBA	KEY
154-102MFA-10	2LAYERS 220*38*1.6(mm) FR-4	
35-33134-151	0603 330 Ω 5%	R1
35-33134-151	0603 330 Ω 5%	R2
35-33134-151	0603 330 Ω 5%	R3
35-33134-151	0603 330 Ω 5%	R4
35-33134-151	0603 330 Ω 5%	R5
35-33134-151	0603 330 Ω 5%	R6
35-33134-151	0603 330 Ω 5%	R7
35-33134-151	0603 330 Ω 5%	R8
35-33134-151	0603 330 Ω 5%	R9
102-000805-10	SMD 0805 LED(BLUE) IF@20mA	D1
102-000805-10	SMD 0805 LED(BLUE) IF@20mA	D2
102-000805-10	SMD 0805 LED(BLUE) IF@20mA	D3
102-000805-10	SMD 0805 LED(BLUE) IF@20mA	D4
102-000805-10	SMD 0805 LED(BLUE) IF@20mA	D5
102-000805-10	SMD 0805 LED(BLUE) IF@20mA	D6
102-000805-10	SMD 0805 LED(BLUE) IF@20mA	D7
102-000805-10	SMD 0805 LED(BLUE) IF@20mA	D8
102-000805-10	SMD 0805 LED(BLUE) IF@20mA	D9
110-392902-00	3.9*2.9*2(mm)(IC-IP)	S1
110-392902-00	3.9*2.9*2(mm)(IC-IP)	S2
110-392902-00	3.9*2.9*2(mm)(IC-IP)	S3
110-392902-00	3.9*2.9*2(mm)(IC-IP)	S4
110-392902-00	3.9*2.9*2(mm)(IC-IP)	S5
110-392902-00	3.9*2.9*2(mm)(IC-IP)	S6
110-392902-00	3.9*2.9*2(mm)(IC-IP)	S7
110-392902-00	3.9*2.9*2(mm)(IC-IP)	S8
110-392902-00	3.9*2.9*2(mm)(IC-IP)	S9
110-392902-00	3.9*2.9*2(mm)(IC-IP)	S10
110-392902-00	3.9*2.9*2(mm)(IC-IP)	S11
110-392902-00	3.9*2.9*2(mm)(IC-IP)	S12
110-392902-00	3.9*2.9*2(mm)(IC-IP)	S13
121-12512-210	PH:1.25mm 12PIN SMD 90 degree	J1

Micro SW Board

Parts Number	Description	Location
65G-102MFA-00	MICRO SW PCBA	MICRO
114-DT096-100	L:10.9*W:3.5*H:6mm	J9
60-02SRD-200	PH:2.0mm 2PIN DIP 90 degree	J10

Electronic Parts List Lamp Board

Parts Number	Description	Location
65R-102MFA-03	LAMP BOARD PCBA	LAMP BOARD
19-SS23H-4D0	24.2*6.5(SS23H-06G6)180 degree	S1
60-0312D-200	PH:2.0mm 3Pin DIP 90° LOCK	J13
111-S22D03-10	8.6*6.9*9.5mm180 degree	S2
032-300041-00	DIP 300 0hm 5% 1/4W	R1
032-300041-00	DIP 300 0hm 5% 1/4W	R2
032-300041-00	DIP 300 0hm 5% 1/4W	R3
032-300041-00	DIP 300 0hm 5% 1/4W	R4
122-127063-00	1.27*1.27mm header straight	P1
122-127063-00	1.27*1.27mm header straight	P2
122-127063-00	1.27*1.27mm header straight	P3
122-127063-00	1.27*1.27mm header straight	P4

Lamp Board R

Parts Number	Description	Location
65R-102MFA-0R	LAMP BOARD R	RIGHT LED
123-127063-00	1.27*1.27mm 6PIN straight	P5
123-127063-00	1.27*1.27mm 6PIN straight	P6
061-5F1070-20	LED DIP 5Φ ASW-5F110 700	D1
061-5F1070-20	LED DIP 5Φ ASW-5F110 700	D2
061-5F1070-20	LED DIP 5Φ ASW-5F110 700	D3
061-5F1070-20	LED DIP 5Φ ASW-5F110 700	D4
061-5F1070-20	LED DIP 5Φ ASW-5F110 700	D5
061-5F1070-20	LED DIP 5Φ ASW-5F110 700	D6
156-102MFA-1R	2LAYERS 27*12.9*1.2(mm) FR-4	LAMP R

Lamp Board L

Parts Number	Description	Location
65R-102MFA-0L	LAMP BOARD L	LEFT LED BOARD
123-127063-00	1.27*1.27mm 6PIN straight	P7
123-127063-00	1.27*1.27mm 6PIN straight	P8
061-5F1070-20	LED DIP 5Φ ASW-5F110 700	D7
061-5F1070-20	LED DIP 5Φ ASW-5F110 700	D8
061-5F1070-20	LED DIP 5Φ ASW-5F110 700	D9
061-5F1070-20	LED DIP 5Φ ASW-5F110 700	D10
061-5F1070-20	LED DIP 5Φ ASW-5F110 700	D11
061-5F1070-20	LED DIP 5Φ ASW-5F110 700	D12
156-102MFA-1L	2LAYERS 27*12.9*1.2(mm) FR-4	Lamp L

Game Board

Parts Number	Description	Location
65R-102MFA-02	GAME BOARD PCBA	GAME PORT PCBA
60-0613D-150	PH : 1.5mm 6Pin 180° DIP	J2
126-00003-002	3 PORT 180°	J12

Electronic Parts List

AV Box Control Board		
Parts Number	Description	Location
65R-102MFA-0	AV BOX BOARD PCBA	SLIM
32-10414-2B1	0603 100nF 50V -20%/+80%	C100
32-10414-2B1	0603 100nF 50V -20%/+80%	C209
32-10414-2B1	0603 100nF 50V -20%/+80%	C210
32-10414-2B1	0603 100nF 50V -20%/+80%	C211
32-10414-2B1	0603 100nF 50V -20%/+80%	C212
049-470U53-01	470uF/25V 10*13 Low ESR	C101
049-470U53-01	470uF/25V 10*13 Low ESR	C200
049-220U52-11	220UF/16V 8*11.5 Low ESR	C102
049-220U53-10	2R8*11.5 LOW ESR	C103
049-2R2U55-10	2.2uF/50V 5*11	C201
049-2R2U55-10	2.2uF/50V 5*11	C202
049-2R2U55-10	2.2uF/50V 5*11	C203
049-2R2U55-10	2.2uF/50V 5*11	C204
049-010U52-01	10uF/16V 4*5.4	C205
049-010U52-01	10uF/16V 4*5.4	C206
049-100050-10	1000uF/6.3V 8*10	C207
049-100050-10	1000uF/6.3V 8*10	C208
049-100050-10	1000uF/6.3V 8*10	C214
071-B160L-100	RB160L-40TE25 SMD	D100
071-B160L-100	RB160L-40TE25 SMD	D101
122-420062-20	PH:4.2mm DIP 90 degree 3*2PIN	J100
126-00003-001	3 PORT RCA CONNECTOR	J200
126-00003-001	3 PORT RCA CONNECTOR	J201
126-00003-001	3 PORT RCA CONNECTOR	J203
125-00008-220	8PIN MINI DIP 90 degree	JP200
052-68020-200	DIP 680uH±20% RT6852-681MDB1	L100
056-3R5U32-00	WBRH-3.5*6*0.8-T5	L101
056-3R5U32-00	WBRH-3.5*6*0.8-T5	L202
023-17805-100	BA1-7805FP-E2 T0252-3	P100
43-C2412-K12	2SC2412K SMT3(SOT-346) SMD	Q100
43-C2412-K12	2SC2412K SMT3(SOT-346) SMD	Q101
43-C2412-K12	2SC2412K SMT3(SOT-346) SMD	Q102
35-22334-151	0603 22K Ω 5%	R100
35-10134-151	0603 100 Ω 5%	R101
35-47234-151	0603 4.7K Ω 5%	R102
35-47234-151	0603 4.7K Ω 5%	R200
35-10234-151	0603 1K Ω 5%	R103
35-10234-151	0603 1K Ω 5%	R104
35-10234-151	0603 1K Ω 5%	R106
35-10234-151	0603 1K Ω 5%	R107
35-82234-151	0603 8.2K Ω 5%	R202
35-82234-151	0603 8.2K Ω 5%	R203
35-82234-151	0603 8.2K Ω 5%	R204
35-82234-151	0603 8.2K Ω 5%	R205
35-82234-151	0603 8.2K Ω 5%	R206
35-82234-151	0603 8.2K Ω 5%	R207
35-82234-151	0603 8.2K Ω 5%	R208
35-82234-151	0603 8.2K Ω 5%	R209
35-75034-151	0603 75 Ω 5%	R210
35-75034-151	0603 75 Ω 5%	R211
35-75034-151	0603 75 Ω 5%	R218
35-75034-151	0603 75 Ω 5%	R219
35-59134-151	0603 590 Ω 1%	R213
35-59134-151	0603 590 Ω 1%	R214
35-59134-151	0603 590 Ω 1%	R216
35-59134-151	0603 590 Ω 1%	R217
35-47334-151	0603 47K Ω 5%	R215
35-47334-151	0603 47K Ω 5%	R201
35-00034-151	0603 0 Ω 5%	R220
022-DM4953-10	DUAL P-CHAMMEL FET SO-8	U100
023-A7623-100	BA7623F-E2 75 Ω SOP-8	U200
28-04053-111	SMD MC74HC4053	U201
102-M2246M-10	NJM2246M SIP8 JRC	U202
022-C157DR-10	Quadruple 2:1 Date selectors	U203
35-27234-151	0603 2.7K Ω 5%	R105
35-15234-151	0603 1.5K Ω 5%	R108
35-15234-151	0603 1.5K Ω 5%	R109
102-MBJ24A-10	SMD TVS SMBJ24A	D700
22-6000D-005	5*3mm	PF100

Electronic Parts List

AV Box Control Board		
Parts Number	Description	Location
22-6000D-011	11*3	L102
22-6000D-011	11*3	L200
22-6000D-011	11*3	L201
15A-102MFA-10	2LAYERS 63*88*1.6(mm) FR-4	AV BOX PCB

Electronic Parts List

Parts Number	Description	Location
023-17805-100	BA1-7805FP-E2 T0252-3	P3
023-17809-100	BA1-7809FP-E2 T0252-3	P1
44-1PLCC-044	PLCC 44PIN SMD	U2
023-74C08-100	74HC08DT SMD	X2
023-74C14-100	74HC14DT/74HCT14	X1
023-74C32-100	74HC32DT/74HCT32 OR SO-14	X3
141-14M20-100	14.318Mhz/20PF/30PPM/49US/SMD	Y1
121-200022-00	PH:2.0mm 2PIN DIP 90°	J3
121-200062-00	PH:2.0mm 6PIN DIP 90°	J1
121-20010-220	PH:2.0mm 10PIN DIP 90 degree	J4
121-200132-00	PH:2.0mm 13PIN 90°	J5
122-254052-00	DIP 90 degree 5PIN (2511-05-RT)	J8
111-T13003-20	18.1*7.5(SSK-23E02-G6M) 90 degree	S1
111-T13003-20	18.1*7.5(SSK-23E02-G6M) 90 degree	S2
25-5964C-7AC	SM5964C40J	U2
023-M2801A-20	FM transmitter 88-92Mhz MDFM2-801A	D7
131-010010-01	22AWG UL1007 800mm	CON1

Electronic Parts List

Parts Number	Description	Location
65A-102MFA-02	POWER BOARD PCBA	POWER BOARD
046-2R7N25-00	C/C NPO 2.7nF/16V ±5% 0603	C32
046-2R7N25-00	C/C NPO 2.7nF/16V ±5% 0603	C33
32-10424-1B1	0603 100nF 50V X7R	C22
32-10424-1B1	0603 100nF 50V X7R	C23
32-10424-1B1	0603 100nF 50V X7R	C24
32-10424-1B1	0603 100nF 50V X7R	C25
32-10424-1B1	0603 100nF 50V X7R	C26
32-10424-1B1	0603 100nF 50V X7R	C27
32-10424-1B1	0603 100nF 50V X7R	C28
32-10424-1B1	0603 100nF 50V X7R	C29
32-10424-1B1	0603 100nF 50V X7R	C36
32-30034-1B1	0603 30pF 50V ±5%	C37
32-30034-1B1	0603 30pF 50V ±5%	C38
049-2R2U45-00	2.2U/50V 4*5.4	C9
049-2R2U45-00	2.2U/50V 4*5.4	C10
049-2R2U45-00	2.2U/50V 4*5.4	C11
049-2R2U45-00	2.2U/50V 4*5.4	C12
049-2R2U45-00	2.2U/50V 4*5.4	C13
049-2R2U45-00	2.2U/50V 4*5.4	C14
049-010U42-00	SMD 10U/16V 4*5.4 ±20%	C15
049-010U42-00	SMD 10U/16V 4*5.4 ±20%	C16
049-010U42-00	SMD 10U/16V 4*5.4 ±20%	C35
049-010U42-00	SMD 10U/16V 4*5.4 ±20%	C1000
049-022U42-00	22U/16V 5*5.4 ±20%	C34
049-330U40-00	330U/6.3V 6.3*7.7 ±20%(ELNA)	C8
049-330U41-10	330U/10V 6.3*10 Low ESR(ELNA)	C7
049-330U43-10	330U/25V 8*15 Low ESR ±20%	C1
049-330U43-10	330U/25V 8*15 Low ESR ±20%	C2
049-330U43-10	330U/25V 8*15 Low ESR ±20%	C3
049-330U43-10	330U/25V 8*15 Low ESR ±20%	C4
049-330U43-10	330U/25V 8*15 Low ESR ±20%	C5
049-330U43-10	330U/25V 8*15 Low ESR ±20%	C6
35-00034-151	0603 0Ω 5%	R40
35-00034-151	0603 0Ω 5%	R41
35-10234-151	0603 1KΩ 5%	R11
35-10234-151	0603 1KΩ 5%	R33
35-22234-151	0603 2.2KΩ 5%	R12
35-22234-151	0603 2.2KΩ 5%	R13
35-22234-151	0603 2.2KΩ 5%	R14
35-22234-151	0603 2.2KΩ 5%	R15
35-22234-151	0603 2.2KΩ 5%	R36
35-22234-151	0603 2.2KΩ 5%	R38
35-56234-151	0603 5.6KΩ 5%	R16
35-56234-151	0603 5.6KΩ 5%	R17
35-56134-151	0603 560Ω 5%	R37
35-56134-151	0603 560Ω 5%	R39
35-10334-151	0603 10KΩ 5%	R8
35-10334-151	0603 10KΩ 5%	R9
35-47034-151	0603 47Ω 5%	R1
35-47334-151	0603 47KΩ 5%	R10
032-000K29-50	1206 0Ω ±5%	R4
032-000K29-50	1206 0Ω ±5%	R5
032-000K29-50	1206 0Ω ±5%	R6
032-000K29-50	1206 0Ω ±5%	R7
35-15134-151	0603 150Ω 5%	R18
35-15134-151	0603 150Ω 5%	R32
42-N5819-021	SMD 1N5819	D2
42-N5819-021	SMD 1N5819	D3
42-SS355-014	1SS355TE-17 SOD-323 SMD	D6
071-B160L-100	RB160L-40TE25 SMD	D1
100-SA1797-10	2SA1797 SOT-89	Q1
43-C2412-K12	2SC2412K SMT3(SOT-346) SMD	Q2
056-000058-10	SMD 451616-N20800A 3L COICS	FB1
056-000058-10	SMD 451616-N20800A 3L COICS	FB2
056-3R5U32-00	WBRH-3.5*6*0.8-T5	L1
052-68020-200	DIP 680uH±20% RT6852-681MDB1	CHOCK1
021-4LC02B-10	SMD EEPROM SO-8	U3
023-PT2314-10	4CH AUDIO PROCESSOR SO-28	U1

Electronic Parts List

IR Board (Before 07/20/2005)

Parts Number	Description	Location
65L-102MFA-00	IR BOARD PCBA	IR
35-10234-151	0603 1K Ω 5%	R21
35-10234-151	0603 1K Ω 5%	R22
35-10234-151	0603 1K Ω 5%	R23
35-10234-151	0603 1K Ω 5%	R24
032-3R000-100	0603 3 Ω 5%	R31
032-3R000-100	0603 3 Ω 5%	R133
35-68234-151	0603 6.8K Ω 5%	R28
35-68234-151	0603 6.8K Ω 5%	R29
35-15334-151	0603 15K Ω 5%	R27
35-15334-151	0603 15K Ω 5%	R125
032-010K59-00	SMD 3 Φ 10k (C3305-B10K-S)	VR2
032-010K59-00	SMD 3 Φ 10k (C3305-B10K-S)	VR4
35-22334-151	0603 22K Ω 5%	R30
35-22334-151	0603 22K Ω 5%	R128
35-18434-151	0603 180K Ω 5%	R25
35-18434-151	0603 180K Ω 5%	R26
35-47030-161	0805 47 Ω 5%	R2
16-10303-203	SMD 3*3 20K Ω	VR1
16-10303-203	SMD 3*3 20K Ω	VR3
049-100U42-00	100U/16V 6.3*5.4 \pm 20%	C45
049-100U42-00	100U/16V 6.3*5.4 \pm 20%	C46
049-047U43-00	47U/25V 6.3*5.8 \pm 20%	C51
049-047U43-00	47U/25V 6.3*5.8 \pm 20%	C52
32-10414-2B1	0603 100nF 50V -20%/+80%	C101
32-10414-2B1	0603 100nF 50V -20%/+80%	C105
32-10414-2B1	0603 100nF 50V -20%/+80%	C102
32-10414-2B1	0603 100nF 50V -20%/+80%	C106
32-10414-2B1	0603 100nF 50V -20%/+80%	C125
32-10414-2B1	0603 100nF 50V -20%/+80%	C126
046-001U33-03	0603 1UF/16V \pm 10%	C30
046-001U33-03	0603 1UF/16V \pm 10%	C31
32-10616-221	1206 10uF 16V 5%	C39
32-22122-2B1	0603 220pF 50V \pm 5%	C42
32-22122-2B1	0603 220pF 50V \pm 5%	C43
32-68122-2B1	0603 680pF 50V \pm 5%	C49
32-68122-2B1	0603 680pF 50V \pm 5%	C124
043-010U32-00	SMD T/C 10uF/16V B CASE	C44
043-010U32-00	SMD T/C 10uF/16V B CASE	C50
43-C4672-025	2SC4672T100Q SMD	Q6
43-C4672-025	2SC4672T100Q SMD	Q105
43-39060-03B	SMD 2N3906(PNP) SOT23	Q4
43-39060-03B	SMD 2N3906(PNP) SOT23	Q5
023-C4053-100	74HCT4053 SMD(28-04053-111)	U5
023-V1001-100	VT1001 with ALC SO-14	U4
020-P4338-000	LTOP-4338 38kHz 5V PIN3	I14
121-12510-210	PH:1.25mm 10PIN SMD 90 degree	I17
023-17809-100	BA1-7809FP-E2 T0252-3	P2
023-078L05-10	SOT-89 100mA	P3
102-SF5L65-10	DIP IR ASF-5L65 5 Φ	D8
102-SF5L65-10	DIP IR ASF-5L65 5 Φ	D9
102-SF5L65-10	DIP IR ASF-5L65 5 Φ	D10
102-SF5L65-10	DIP IR ASF-5L65 5 Φ	D11
102-SF5L65-10	DIP IR ASF-5L65 5 Φ	D12
102-SF5L65-10	DIP IR ASF-5L65 5 Φ	D13
102-SF5L65-10	DIP IR ASF-5L65 5 Φ	D14
102-SF5L65-10	DIP IR ASF-5L65 5 Φ	DD15
046-001U33-00	1206 1UF/25V \pm 10%	C40
046-001U33-00	1206 1UF/25V \pm 10%	C41
032-001026-60	10 Ohm \pm 5% 2512 1W	R105
032-001026-60	10 Ohm \pm 5% 2512 1W	R106
35-00034-151	0603 0 Ω 5%	R117
35-00034-151	0603 0 Ω 5%	R118

Electronic Parts List

IR Board (After 07/20/2005)

Parts Number	Description	Location
35-00034-151	0603 0 Ω 5%	R10
35-00034-151	0603 0 Ω 5%	R17
35-10234-151	0603 1K Ω 5%	R41
35-10234-151	0603 1K Ω 5%	R42
35-12234-151	0603 1.2K Ω 5%	R39
35-12234-151	0603 1.2K Ω 5%	R40
032-3R000-100	0603 3 Ω 5%	R47
032-3R000-100	0603 3 Ω 5%	R48
35-15334-151	0603 15K Ω 5%	R43
35-15334-151	0603 15K Ω 5%	R45
034-001K12G30	3*3 1K Ω \pm 2% 1/10W 0603	VR1
034-001K12G30	3*3 1K Ω \pm 2% 1/10W 0603	VR2
034-001K12G30	3*3 1K Ω \pm 2% 1/10W 0603	VR3
034-001K12G30	3*3 1K Ω \pm 2% 1/10W 0603	VR4
35-22334-151	0603 22K Ω 5%	R44
35-22334-151	0603 22K Ω 5%	R46
35-22434-151	0603 220K Ω 5%	R7
35-22434-151	0603 220K Ω 5%	R24
030-002K52G30	0603 2K Ω \pm 3% NTC	RT1
030-002K52G30	0603 2K Ω \pm 3% NTC	RT2
030-002K52G30	0603 2K Ω \pm 3% NTC	RT3
030-002K52G30	0603 2K Ω \pm 3% NTC	RT4
35-47030-161	0805 47 Ω 5%	R1
35-47030-161	0805 47 Ω 5%	R38
049-100U42-00	100U/16V 6.3*5.4 \pm 20%	C3
049-100U42-00	100U/16V 6.3*5.4 \pm 20%	C26
049-100U42-00	100U/16V 6.3*5.4 \pm 20%	C301
049-100U42-00	100U/16V 6.3*5.4 \pm 20%	C31
049-047U43-00	47U/25V 6.3*5.8 \pm 20%	C4
32-10414-2B1	0603 100nF 50V -20%/+80%	C1
32-10414-2B1	0603 100nF 50V -20%/+80%	C2
32-10414-2B1	0603 100nF 50V -20%/+80%	C29
32-10414-2B1	0603 100nF 50V -20%/+80%	C37
32-10414-2B1	0603 100nF 50V -20%/+80%	C39
35-00034-111	1206 0 Ω 5%	C6
35-00034-111	1206 0 Ω 5%	C25
32-10616-221	1206 10uF 16V 5%	C28
32-22122-2B1	0603 220pF 50V \pm 5%	C12
32-22122-2B1	0603 220pF 50V \pm 5%	C18
32-68122-2B1	0603 680pF 50V \pm 5%	C8
32-68122-2B1	0603 680pF 50V \pm 5%	C15
32-68122-2B1	0603 680pF 50V \pm 5%	C36
32-68122-2B1	0603 680pF 50V \pm 5%	C38
43-C4672-025	2SC4672T100Q SMD	Q7
43-C4672-025	2SC4672T100Q SMD	Q8
43-39060-03B	SMD 2N3906(PNP) SOT23	Q5
43-39060-03B	SMD 2N3906(PNP) SOT23	Q6
023-S2K219G00	HS2K219 With ALC SO-14	U4
020-AT138BG10	AT138B 38KHZ 5V 3PIN	IR1
121-12510-210	PH:1.25mm 10PIN SMD 90 degree	I1
023-17809-100	BA1-7809FP-E2 T0252-3	U2
023-078L05-10	SOT-89 100mA	U1
102-SF5L65-10	DIP IR ASF-5L65 5 Φ	D1
102-SF5L65-10	DIP IR ASF-5L65 5 Φ	D2
102-SF5L65-10	DIP IR ASF-5L65 5 Φ	D3
102-SF5L65-10	DIP IR ASF-5L65 5 Φ	D4
102-SF5L65-10	DIP IR ASF-5L65 5 Φ	D5
102-SF5L65-10	DIP IR ASF-5L65 5 Φ	D6
102-SF5L65-10	DIP IR ASF-5L65 5 Φ	D7
102-SF5L65-10	DIP IR ASF-5L65 5 Φ	D8
046-001U33-03	0603 1UF/16V \pm 10%	C34
046-001U33-03	0603 1UF/16V \pm 10%	C35
027-2501L2-10	PS2501L-2 8P (NEC)	U3
032-001026-60	10 Ohm \pm 5% 2512 1W	R5
032-001026-60	10 Ohm \pm 5% 2512 1W	R14
43-C2412-K12	2SC2412K SMT3(SOT-346) SMD	Q3
43-C2412-K12	2SC2412K SMT3(SOT-346) SMD	Q4
033-15R802G30	0603 15.8K Ω 1%	R13
033-12R402G30	0603 12.4K Ω 1%	R19
033-120002G30	0603 120 Ω 1%	R29

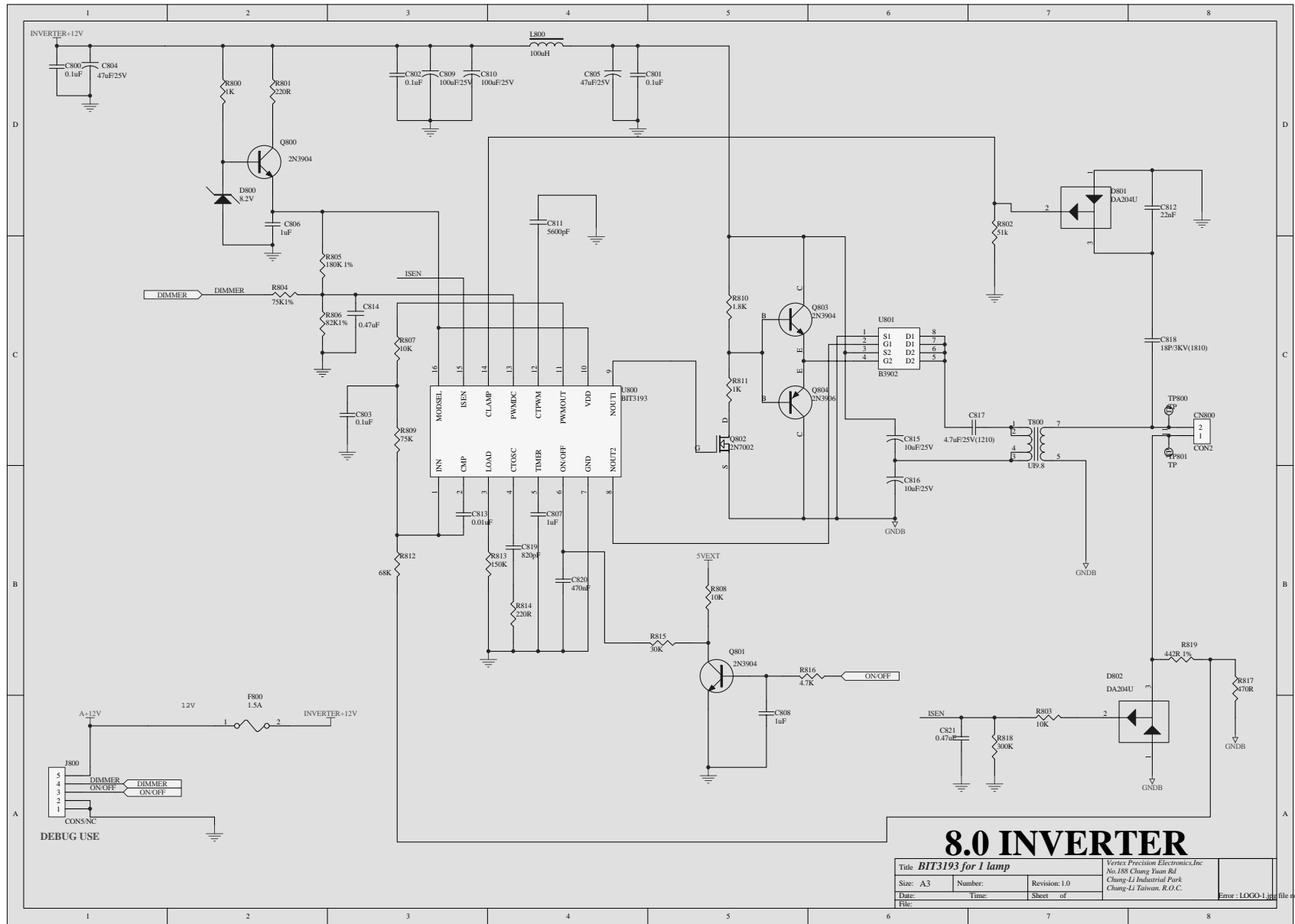
Electronic Parts List

IR Board (After 07/20/2005)

033-180002G30	0603 180Ω 1%	R30
033-3R3K02G30	0603 3.3KΩ 1%	R35
033-7R3202G30	0603 7.32KΩ 1%	R36
033-5R1K02G30	0603 5.1KΩ 1%	R37
033-1R1K02G30	0603 1.1K 1%	R49
033-1R5K02G30	0603 1.5KΩ 1%	R51
033-680002G30	0603 680Ω 1%	R50
033-820002G30	0603 820Ω 1%	R52
32-22224-2B1	0603 2.2nF 50V	C7
32-22224-2B1	0603 2.2nF 50V	C19
32-10214-2B1	0603 1nF 50V	C32
32-10214-2B1	0603 1nF 50V	C33
39-10102-1M1	SMD 100UH 0504	L1
157-102MFA-11	122.25*26.6*1.6mm 2LAYERS FR-4	

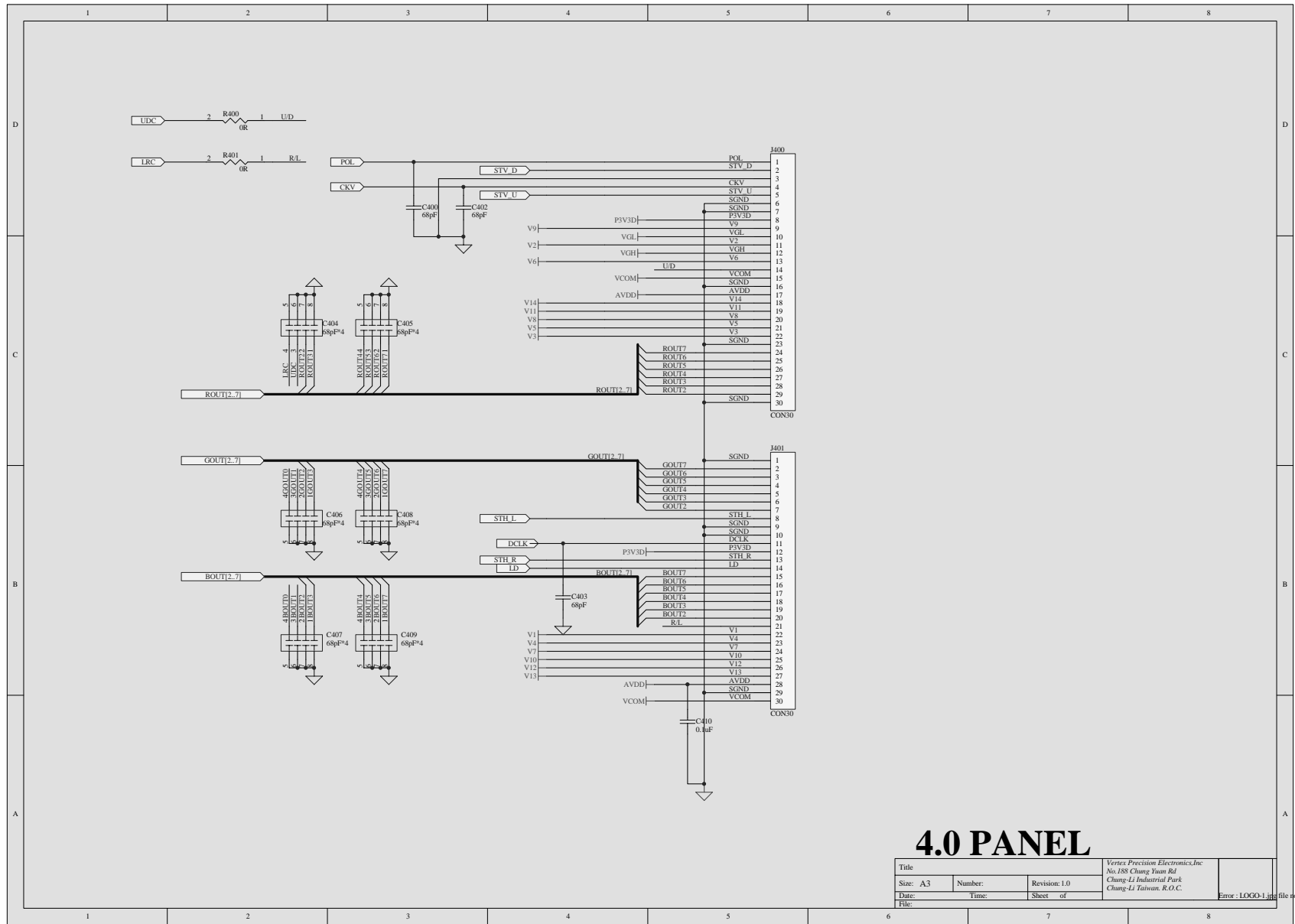
Mechanical Parts List

Part Number	Specification	Description
34A-CFAD70-0R	10.2 " HINGE - R	HINGE - R
34A-CFAD70-0L	10.2 " HINGE - L	HINGE - L
51-60003-0R5	6*3*0.5 WASHER	FOR PUSH SW
30B-CF02G0-00	PA GARY	BACK COVER
30Z-CF02S0-00	PA DARK GARY	RIGHT DECOPLATE
30Z-CF02S0-01	PA DARK GARY	LEFT DECOPLATE
30T-CF02G0-00	PA DARK GARY	FRONT COVER
30Z-CF02G0-00	PA GARY	MIDDLE BASE
30Z-CF02G0-01	PA GARY	BASE
30P-CF03S0-0R	PC DARK GARY	RIGHT KEY KNOB
30P-CF03S0-0L	PC DARK GARY	LEFT KEY KNOB
30P-CF03S0-01	PC DARK GARY	FUNCTION KEY KNOB
30P-CF03S0-00	PC DARK GARY	CENTER KEY KNOB
30Z-CF02G0-03	PA GARY	LUCK TOOTH
30P-CF02G0-00	PA GARY	LAMP KNOB
30Z-CF02G0-02	PA-777B GARY	PUSH BUTTON COVER
30Z-CF02G0-04	PA GARY	GAME PORT COVER
30Z-CF02G0-05	PA GARY	MOVE PIN COBER
30P-CF02G0-01	PA GARY	PUSH BUTTON
30L-CF03C0-00	PC PANTONE 1C	LAMP COVER
30I-CF03D0-00	PC BLACK	IR COVER
351-CFA150-01	PVC	DRIVER BOARD MYLAR
351-CFA150-02	PVC	KEY BOARD MYLAR
351-CFA250-00	281*280*0.5mm(PC) Ver : 1.1	BASE MYLAR
30Z-CFA6B0-00	9.7*6.0mm/t IIR 70'	RUBBER
51-20003-011	2*3 ISO SCREW	FOR DRIVER BOARD*3
33G-22004-100	M2*4mm SCREW	FOR DRIVER BOARD*1(WIRE WASHER)
51-02206-511	2.2*6.0mm TP3 SCREW	FOR KEY PUS*5 、 FOR BRACKET*2 、 FOR IR PUS*2 、 FOR PUSH SW*2
51-02608-212	2.6*8.0mm ISO SCREW	FOR HINGE(BACK COVER)
33A-12607-700	M2.6*7.0mm SCREW	FOR HINGE(MIDDLE BASE)
51-30008-111	3*8 TP2 SCREW	FOR MIDDLE BASE AND BASE*4 、 FOR GAME PORT*2 、 FOR PUSH SW*2
51-30012-111	3*12 TP2 SCREW	FOR FRONT COVER
51-20004-111	2*4 TP2 SCREW	FOR MICRO SW*2
51-2R304-171	2.3*4T I SCREW	FOR BRACKET*2
51-30005-171	3*5 TP2 I SCREW	FOR LAMP*6
51-30004-171	3*4 TP2 I SCREW	FOR WIRE CLAMP*5 、 FOR TOOTH COVER*2
344-CFAF70-00	FN-011 WIRE CLAMP	WIRE CLAMP*5
52-15917-800	0.35*6*17*8N SPRING	FOR PUSH SW*2
52-15721-900	0.35*5*21*9N SPRING	FOR TOOTH
51-03006-071	3.0*6.0mm TP3 SCREW	FOR POWER BOARD*4 FOR MYLAR*6
344-CFAD70-02	240*165*1mm BASE BRACKET	BASE BRACKET
408-CFA004000	420*385*80mm STYROFOAM	BUTTON LAYER FOR ACCESSORIES
408-CFA001000	420*385*70mm STYROFOAM	TOP LAYER FOR MONITOR
408-CFA000000	392*355*10mm STYROFOAM	TOP LAYER COVER
402-CFA010000	440(L)*400(W)*160(H) CARTON	GIFT BOX
401-CFA010000	450(L)*410(W)*330(H) CARTON	CARTON (TWO SETS PACKING)
405-CFA100000	430*390*7.4mm	SEPARATOR SHEET



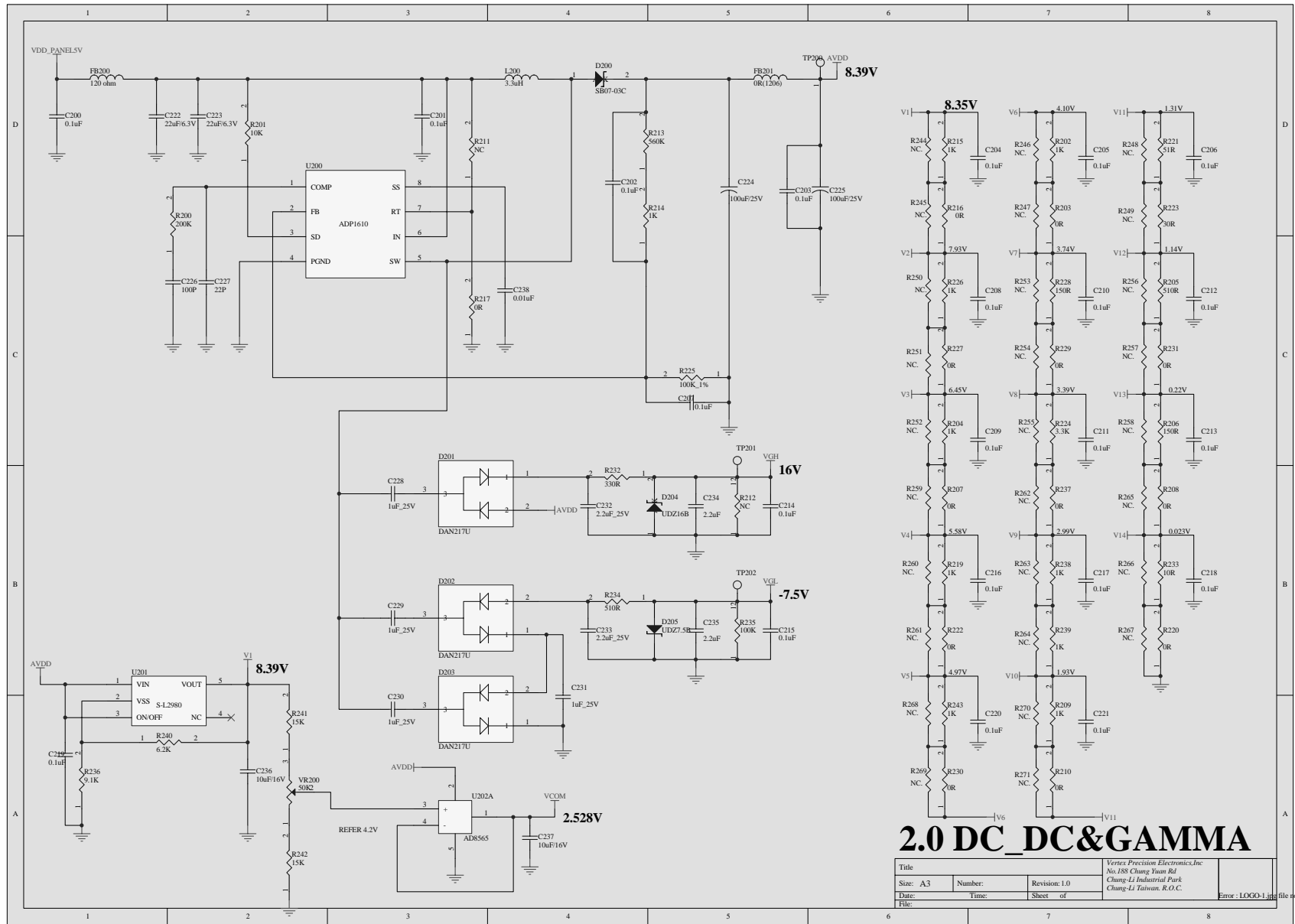
8.0 INVERTER

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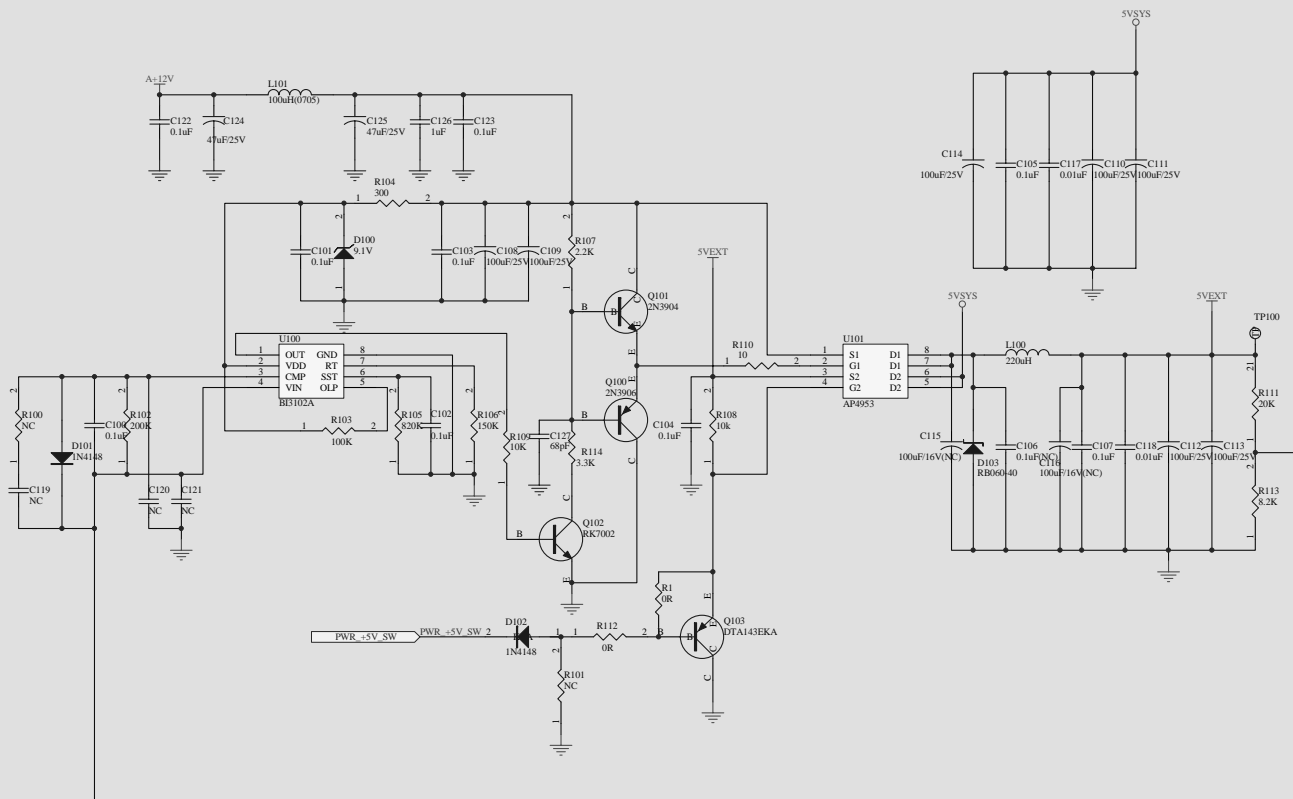
4.0 PANEL

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Number:			Chung-Li Industrial Park		
Revision: 1.0			Chung-Li Taiwan, R.O.C.		
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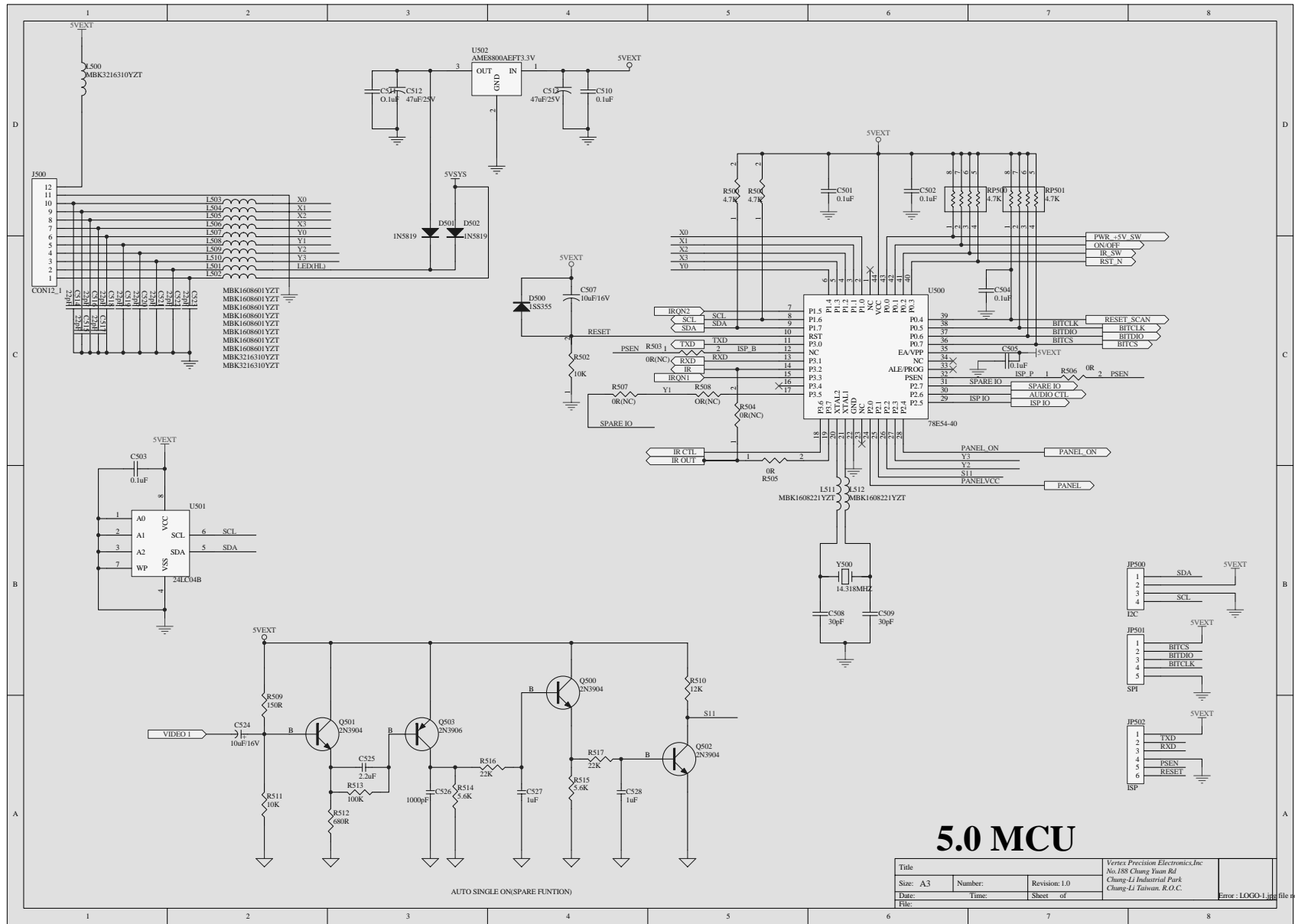
2.0 DC_DC&GAMMA

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Revision: 1.0			Chung-Li Taiwan, R.O.C.		
Date:			Time:		
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1.0 DC_DC

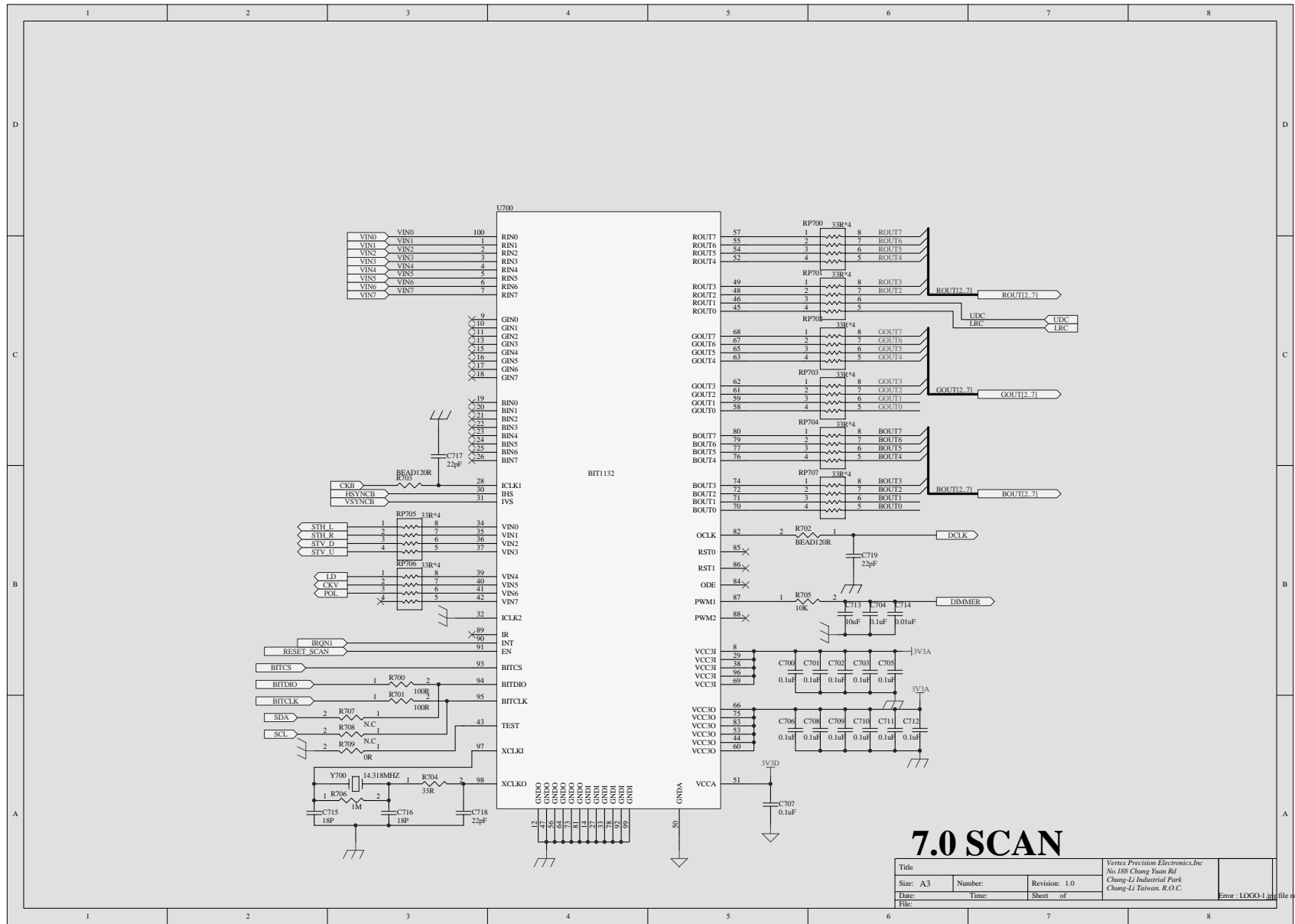
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5.0 MCU

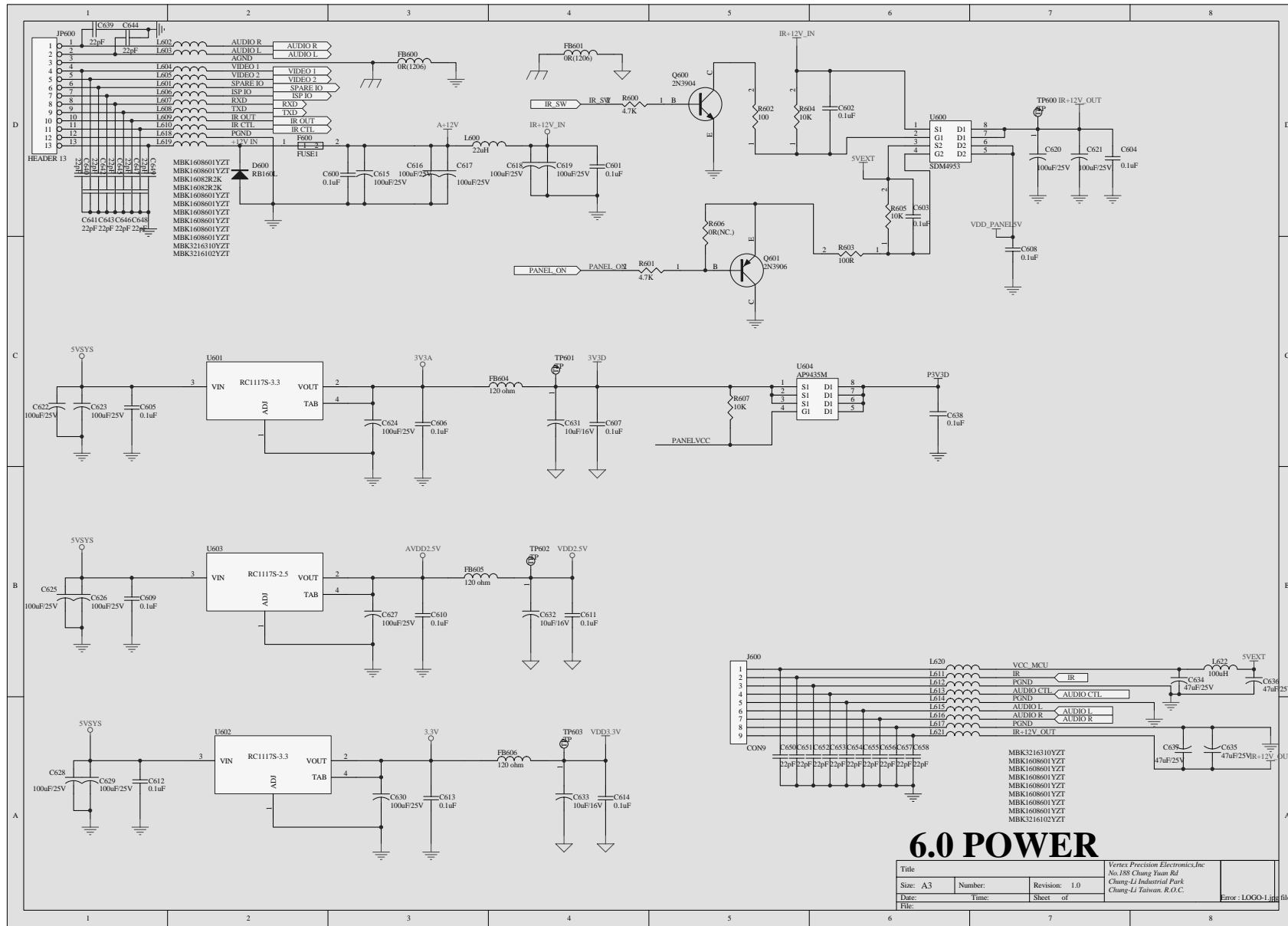
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Revision: 1.0			Chung-Li Industrial Park		
Date:			Chung-Li Taiwan, R.O.C.		
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AUTO SINGLE ON(SPARE FUNTION)



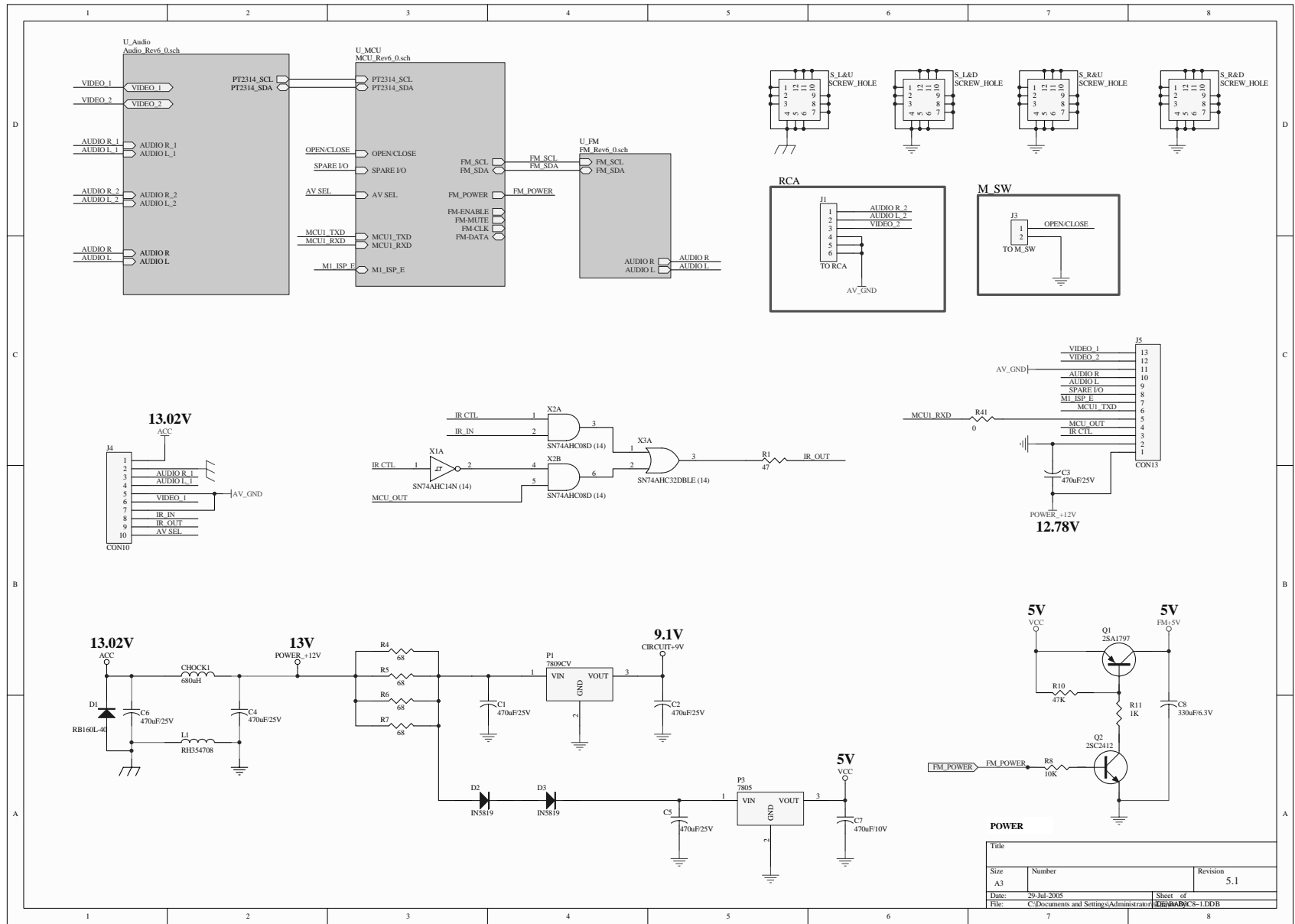
7.0 SCAN

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Revision: 1.0			Chung-Li Taiwan, R.O.C.		
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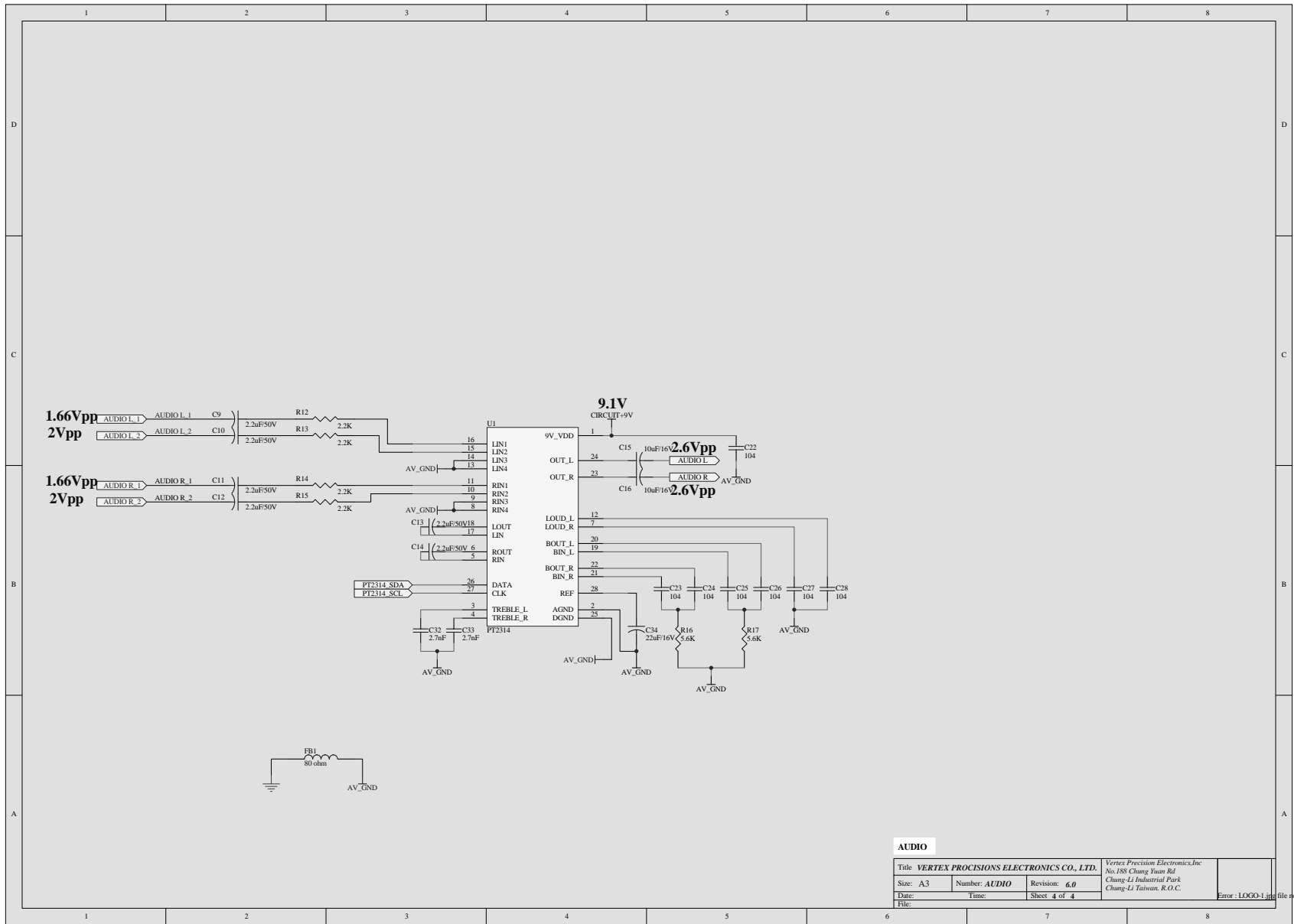


6.0 POWER

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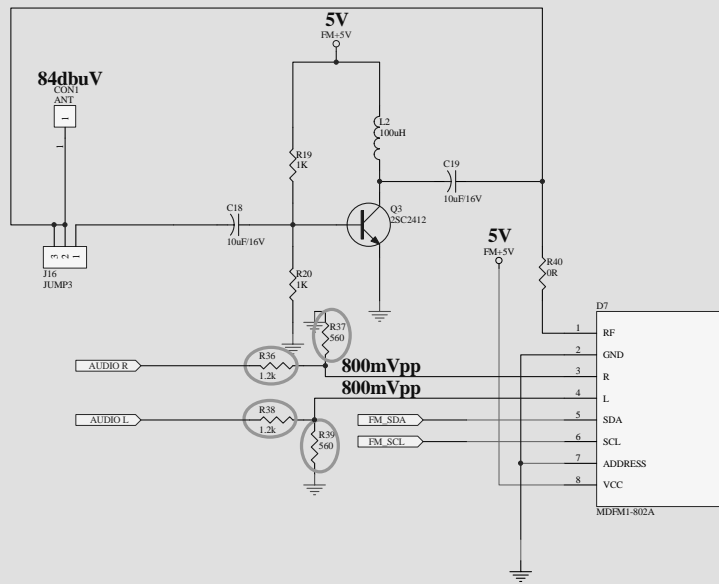


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AUDIO

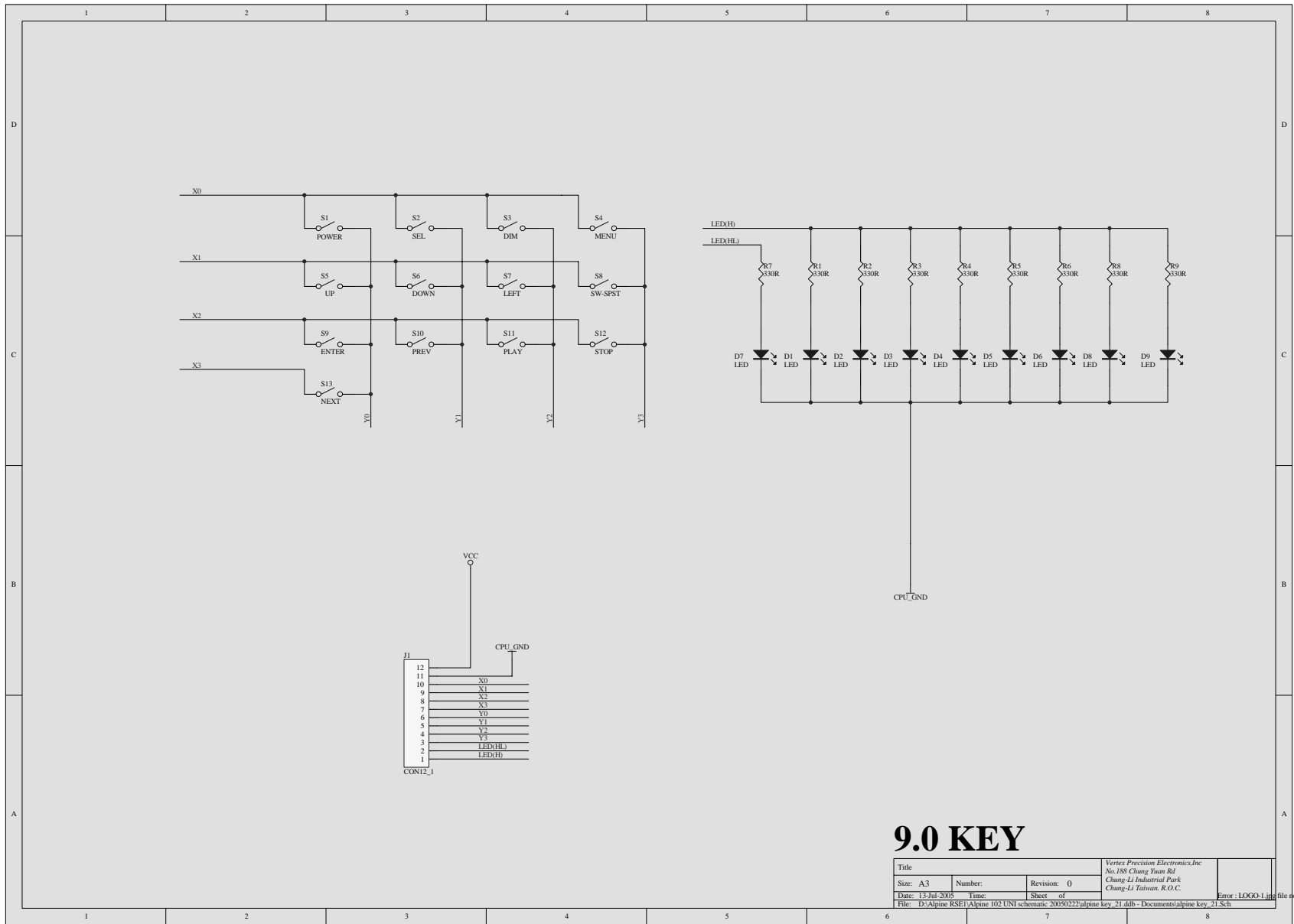
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Date:	Time:	Sheet 4 of 4	Error: LOGO-1.jpg file not found.	
File:				



FM Transmitter

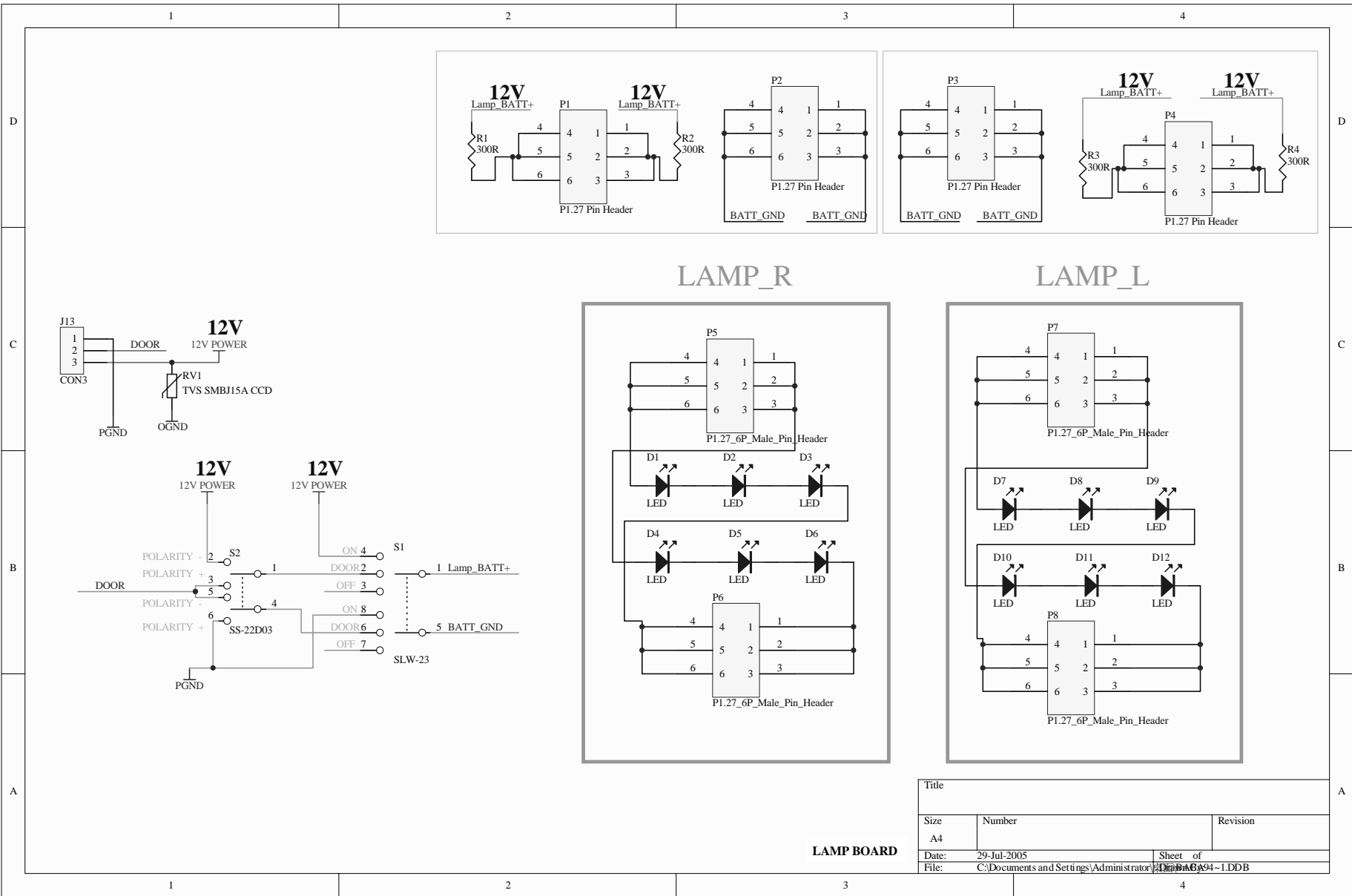
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Date:	Time:		
File:			

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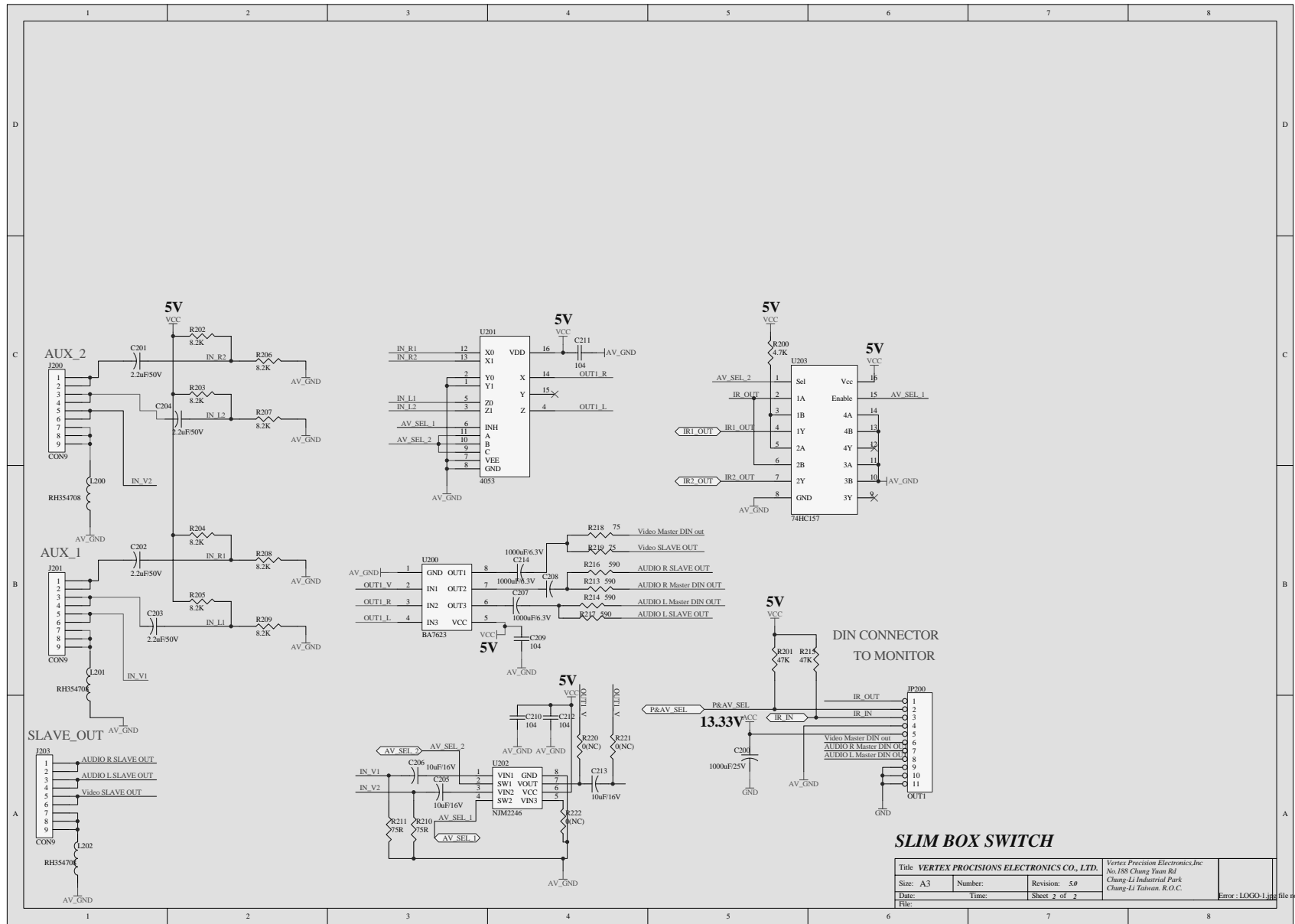


9.0 KEY

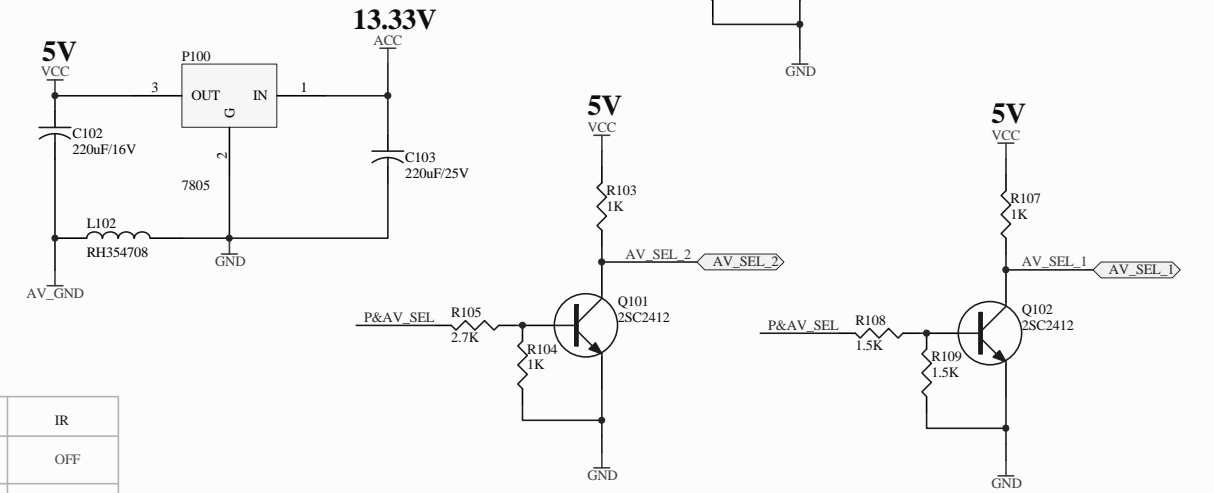
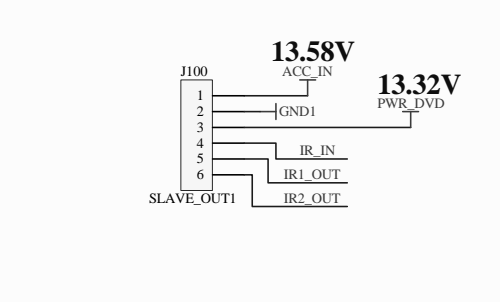
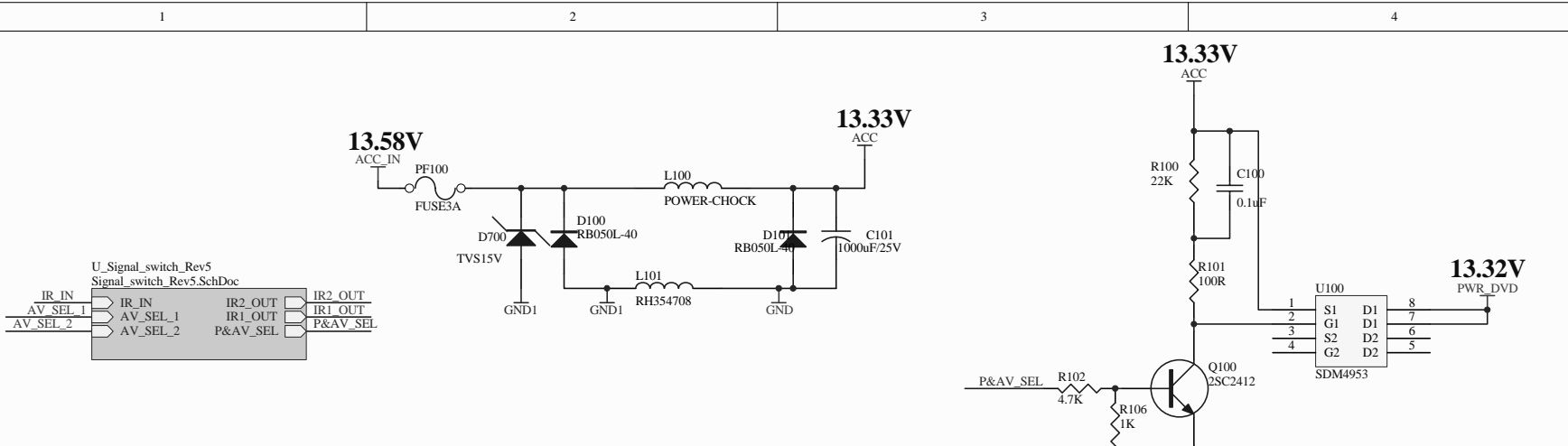
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Date: 13-Jul-2005			Chung-Li Industrial Park		
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LAMP BOARD



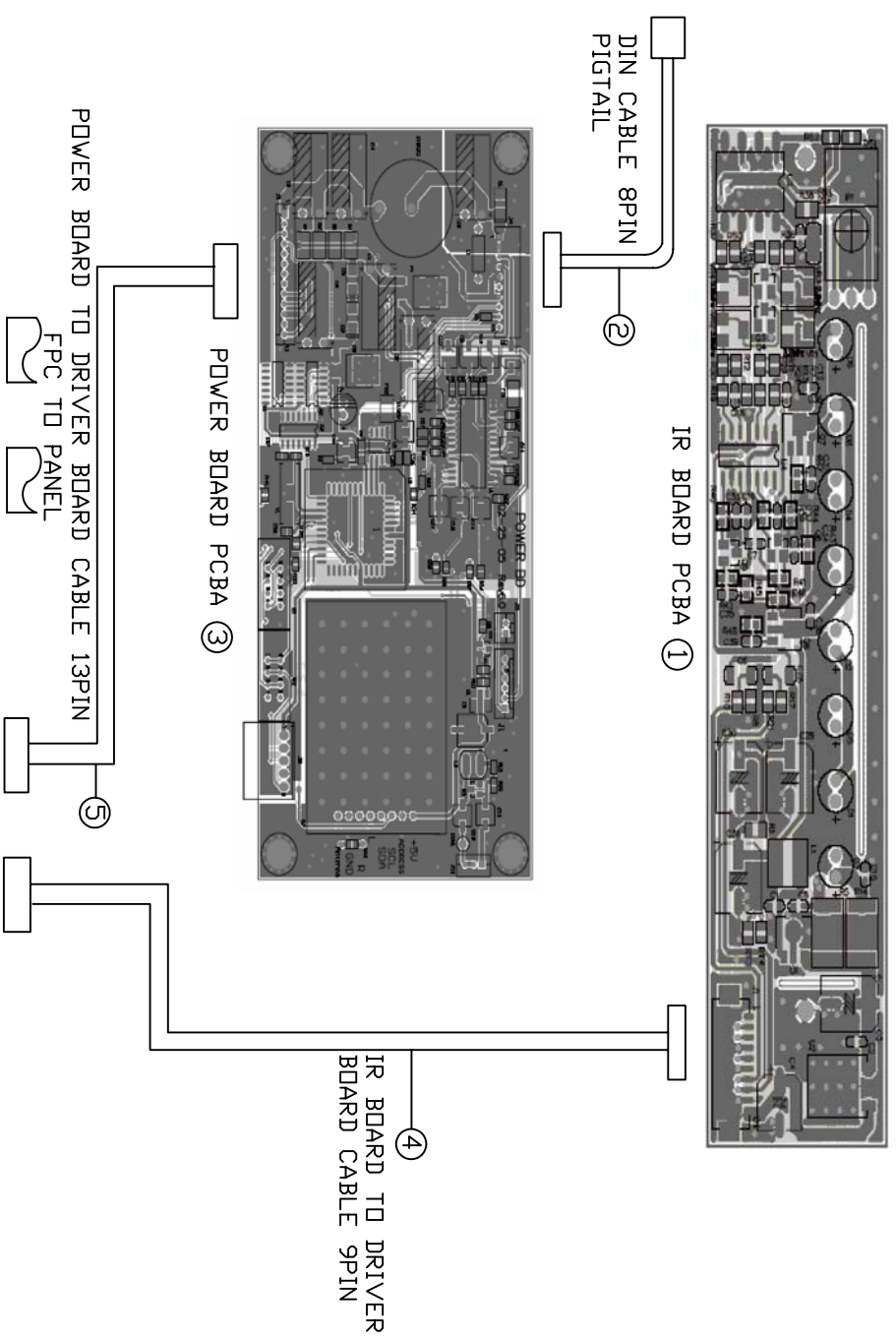
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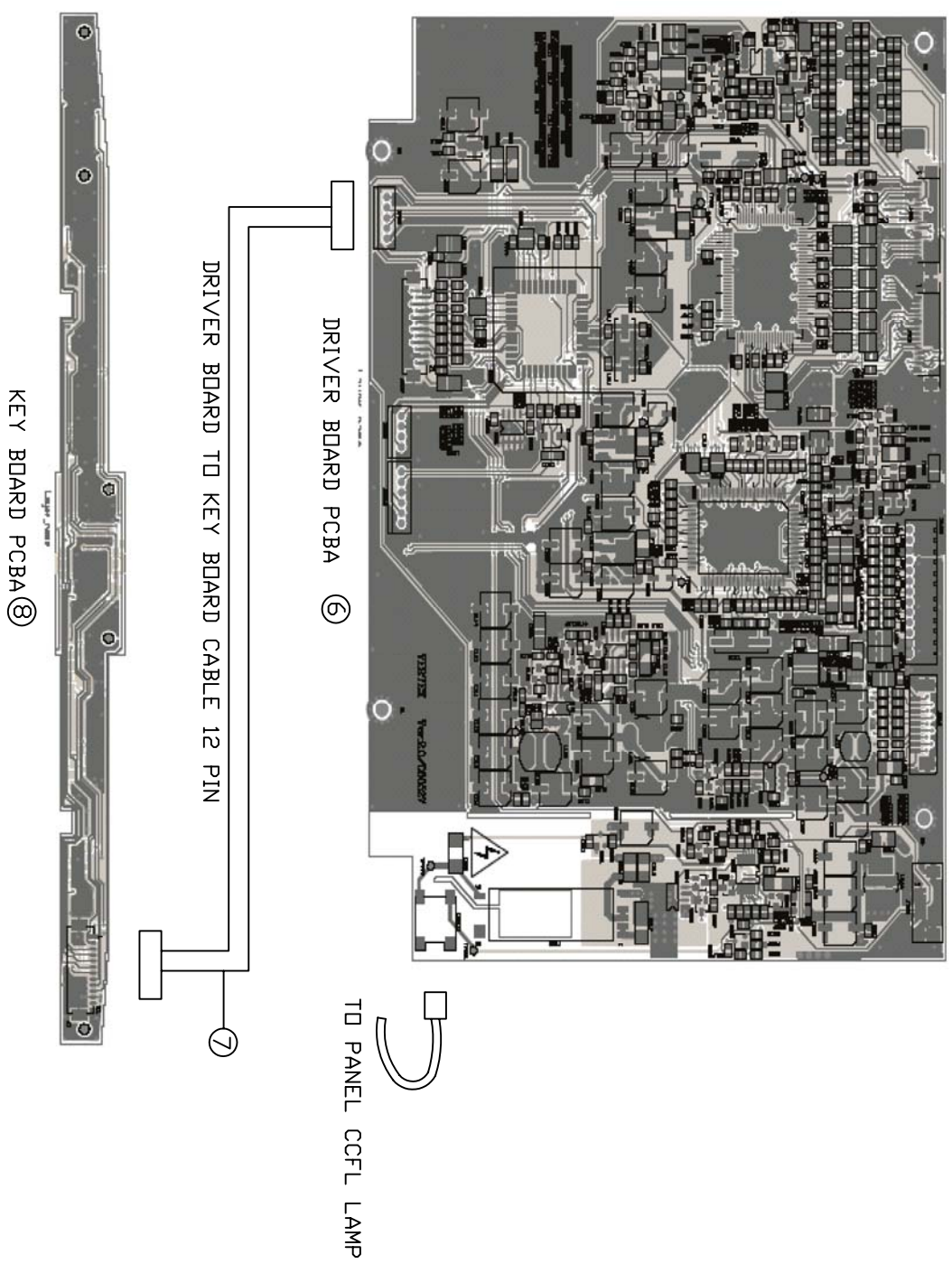
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0V	H	H	OFF	OFF	OFF	OFF
1.7V	L	H	V2	R2 L2	OFF	IR2
2.7V	L	L	V1	R1 L1	OFF	IR1
3.7V	L	L	V1	R1 L1	ON	IR1

SLIM BOX CONTROL		
Title		
Size	Number	Revision
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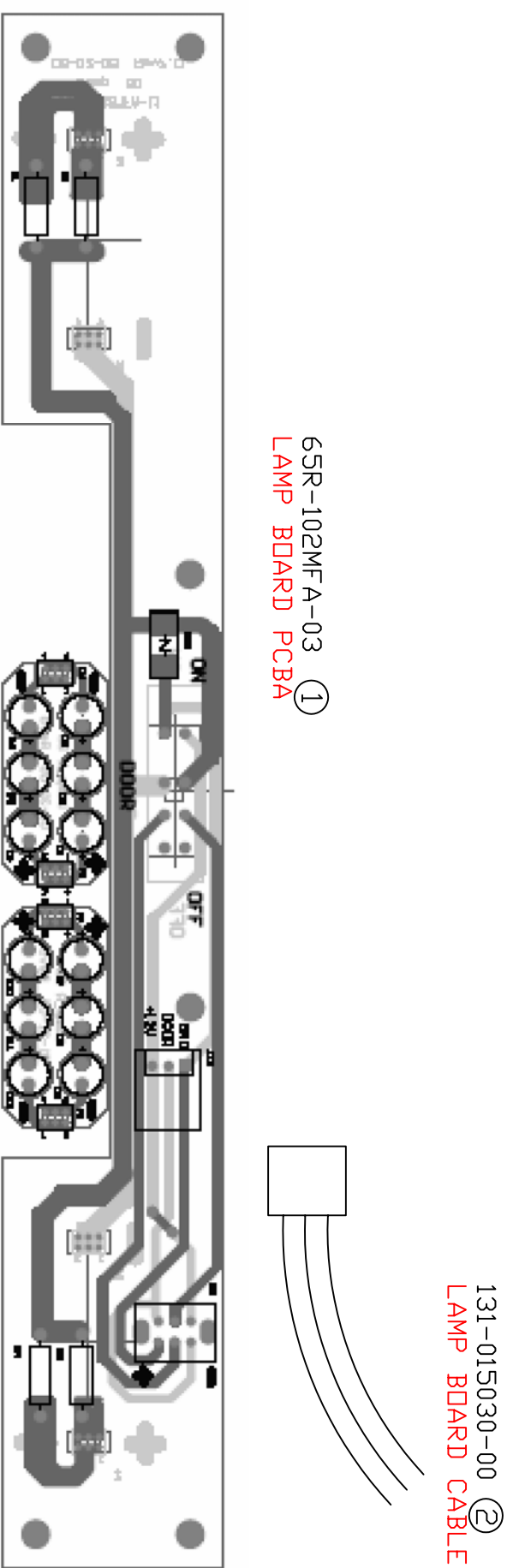
Parts Layout and Wiring Diagram 1



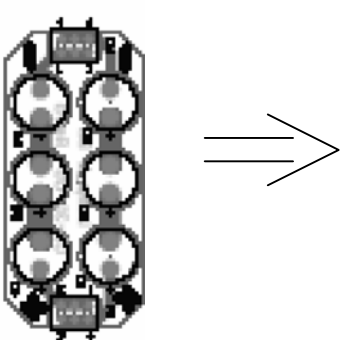
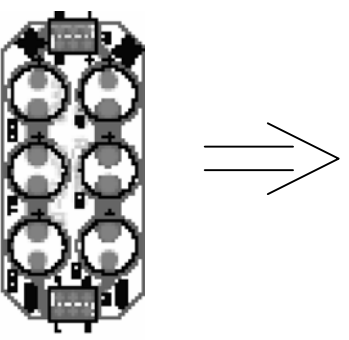
NO.	PARTS NUMBER	DESCRIPTION
①	65L-102MFA-01	IR BOARD PCBA
②	131-225102-01	DIN CABLE 8PIN PIGTAIL
③	65A-102MFA-02	POWER BOARD PCBA
④	131-224094-00	IR BOARD TO DRIVER BOARD CABLE 9PIN
⑤	131-225134-00	POWER BOARD TO DRIVER BOARD CABLE 13PIN
⑥	65A-102MFA-01	DRIVER BOARD PCBA
⑦	131-224131-00	DRIVER BOARD TO KEY BOARD CABLE 12PIN
⑧	65E-102MFA-00	KEY BOARD PCBA



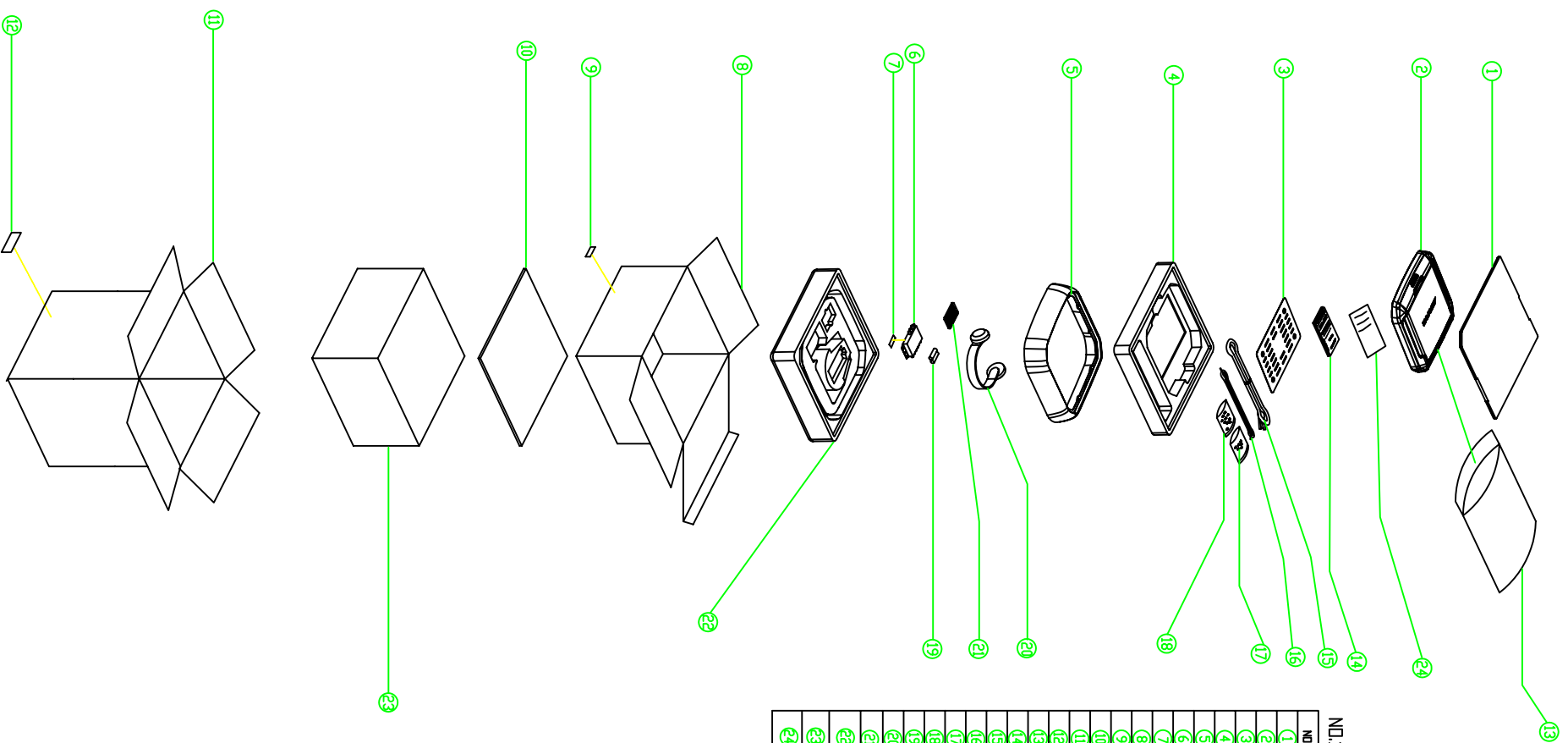
Parts Layout and Wiring Diagram 3



NO.	PARTS NUMBER	DESCRIPTION
①	65R-102MFA-03	LAMP BOARD PCB A
②	131-015030-00	LAMP BOARD CABLE
③	65R-102MFA-0L	LAMP-L PCB A
④	65R-102MFA-0R	LAMP-R PCB A



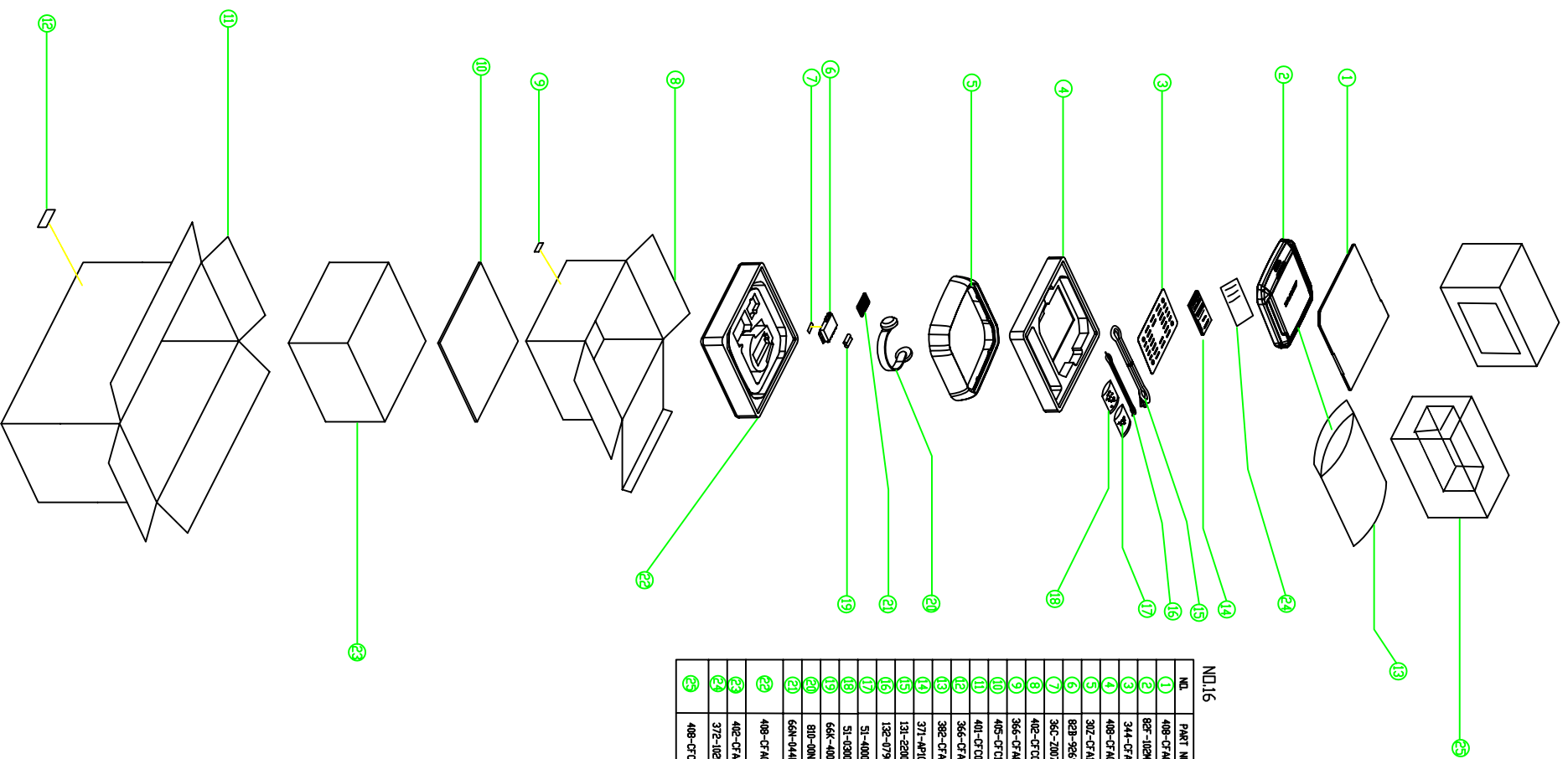
Exploded of Pocking Drawing(PKG-1000,USA)



NDL16

NO.	PART NUMBER	DESCRIPTION
1	408-CTA00000	STRIGDOM TOP LAYER COVER
2	82F-102HF-A-00	THX-1000 MONITOR
3	344-CTA1D79-02	BASE BRACKET
4	408-CTA001000	STRIGDOM TOP LAYER FOR MONITOR
5	302-CTA103-01	IRON RING
6	82B-926921-00	SLIM AV BOX
7	36C-200740-00	AV BOX LABEL
8	402-CTA010000	GIFT BOX
9	366-CTA820-1V	S/N LABEL
10	405-CTA100000	SEPARATOR SHEET
11	401-CTA010000	MASTER CARTON
12	366-CTA820-1V	S/N LABEL
13	382-CTA110-01	BUBBLE BAG
14	371-4P102H-50	USER'S MANUAL
15	131-220082-00	DIN CABLE
16	132-07961-00	POWER CABLE
17	51-4006-211	SCREW FOR BASE BRACKET
18	51-0206-071	SCREW FOR STRIM RUNNING
19	66K-4000-000	AAA BATTERY#2
20	801-00N100-00	WIRELESS HEADPHONE
21	66H-04AKEV-00	REMOTE CONTROL
22	408-CTA004000	STRIGDOM BUTTON LAYER FOR ACCESSORIES
23	402-CTA000000	BUTTON LAYER CUT BOX
24	372-102HF-A-30	REGISTRATION CARD

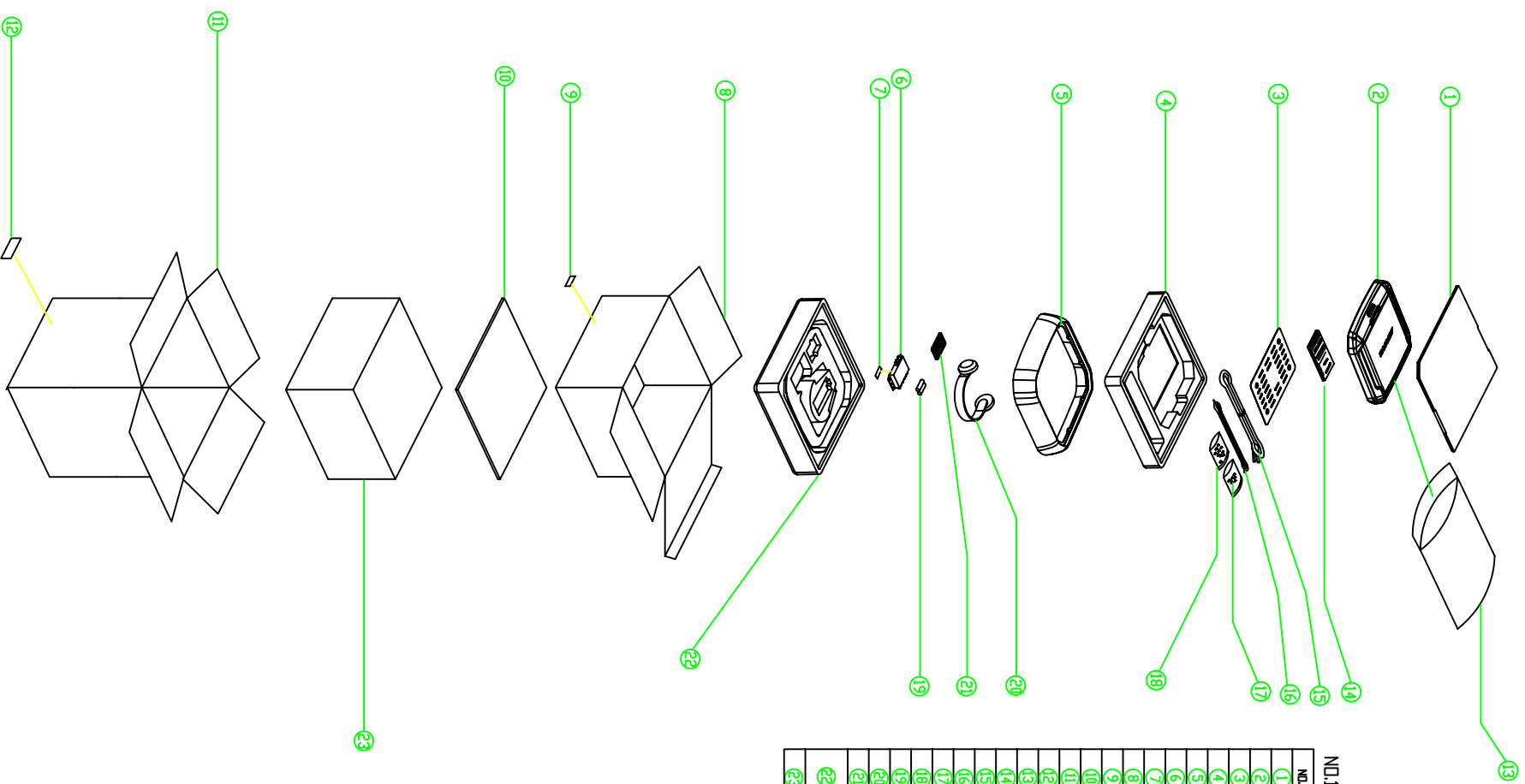
Exploded of Pocking Drawing(PKG-RSE1)



NDJ16

NO.	PART NUMBER	DESCRIPTION
1	408-CF1A00000	STRONGARM TOP LAYER COVER
2	85F-1029F-A-00	TRK-1000 MONITOR
3	344-CF1A070-02	BASE BRACKET
4	408-CF1A00000	STRONGARM TOP LAYER FOR MONITORS
5	302-CF1A030-01	TRIM RING
6	82B-926591-00	SLIM AV BOX
7	36C-200740-00	AV BOX LABEL
8	402-CF1000000	GIFT BOX
9	366-CF1A820-1V	S/N LABEL
10	405-CF1000000	SEPARATOR SHEET
11	401-CF1000000	MASTER CARTON
12	366-CF1A820-1V	S/N LABEL
13	382-CF1AL0-01	BUBBLE BAG
14	371-4P1029-50	USER'S MANUAL
15	131-220082-00	DIN CABLE
16	122-079061-00	POWER CABLE
17	51-4006-211	SCREW FOR BASE BRACKET
18	51-03006-071	SCREW FOR STREAM RUNNING
19	664-40000-010	AAA BATTERY*2
20	810-00100-00	WIRELESS HEADPHONE
21	664-0446C1-00	REMOTE CONTROL
22	408-CF1A00000	STRONGARM BUTTON LAYER FOR ACCESSORIES
23	402-CF1A00000	BUTTON LAYER GIFT BOX
24	372-1029F-A-30	REGISTRATION CARD
25	408-CF1000000	STRONGARM FOR DVD PLAYER PROTECTION

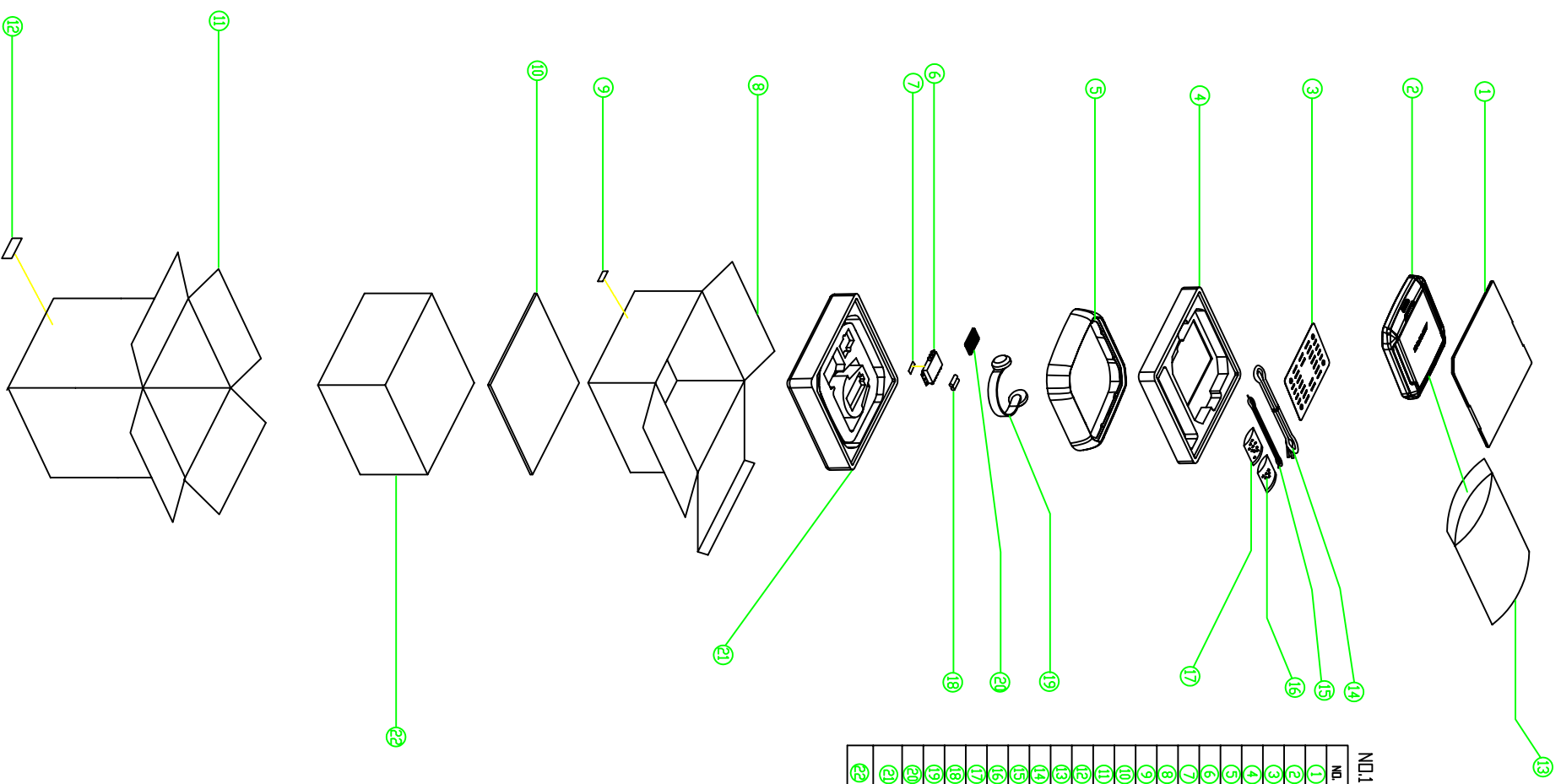
Exploded of Pocking Drawing(PKG-1000P,EUROPE)



NO.16

NO.	PART NUMBER	DESCRIPTION
1	407-CF1020200	STYRETDUM TOP LAYER COVER(PAPER)
2	828-1020FA-00	THX-1000 MONITOR
3	344-CFAD70-02	BASE BRACKET
4	407-CF1020200	STYRETDUM TOP LAYER FOR MONITORS/PCB
5	30Z-CFAD09-01	TRIM RING
6	828-365921-00	SLIM AV BOX
7	84C-200740-00	AV BOX LABEL
8	402-CF1000000	GIFT BOX
9	366-CFAD20-1E	S/N LABEL
10	405-CF1000000	SEPARATOR SHEET
11	401-CF1000000	MASTER CARTON
12	366-CFAD20-1E	S/N LABEL
13	882-CFAL0-01	BUBBLE BAG
14	371-AP1020-50	USER'S MANUAL
15	131-220082-00	DIN CABLE
16	132-079061-00	POWER CABLE
17	51-40006-21L	SCREW FOR BASE BRACKET
18	51-03006-071	SCREW FOR STRIP RIMMING
19	646-40000-010	AAA BATTERY*2
20	810-00000-00	WIRELESS HEADPHONE
21	64N-044KEY-00	REMOTE CONTROL
22	407-CF1020100	STYRETDUM BOTTOM LAYER FOR ACCESSORIES (PAPER)
23	402-CF1000000	BOTTOM LAYER CUT BOX

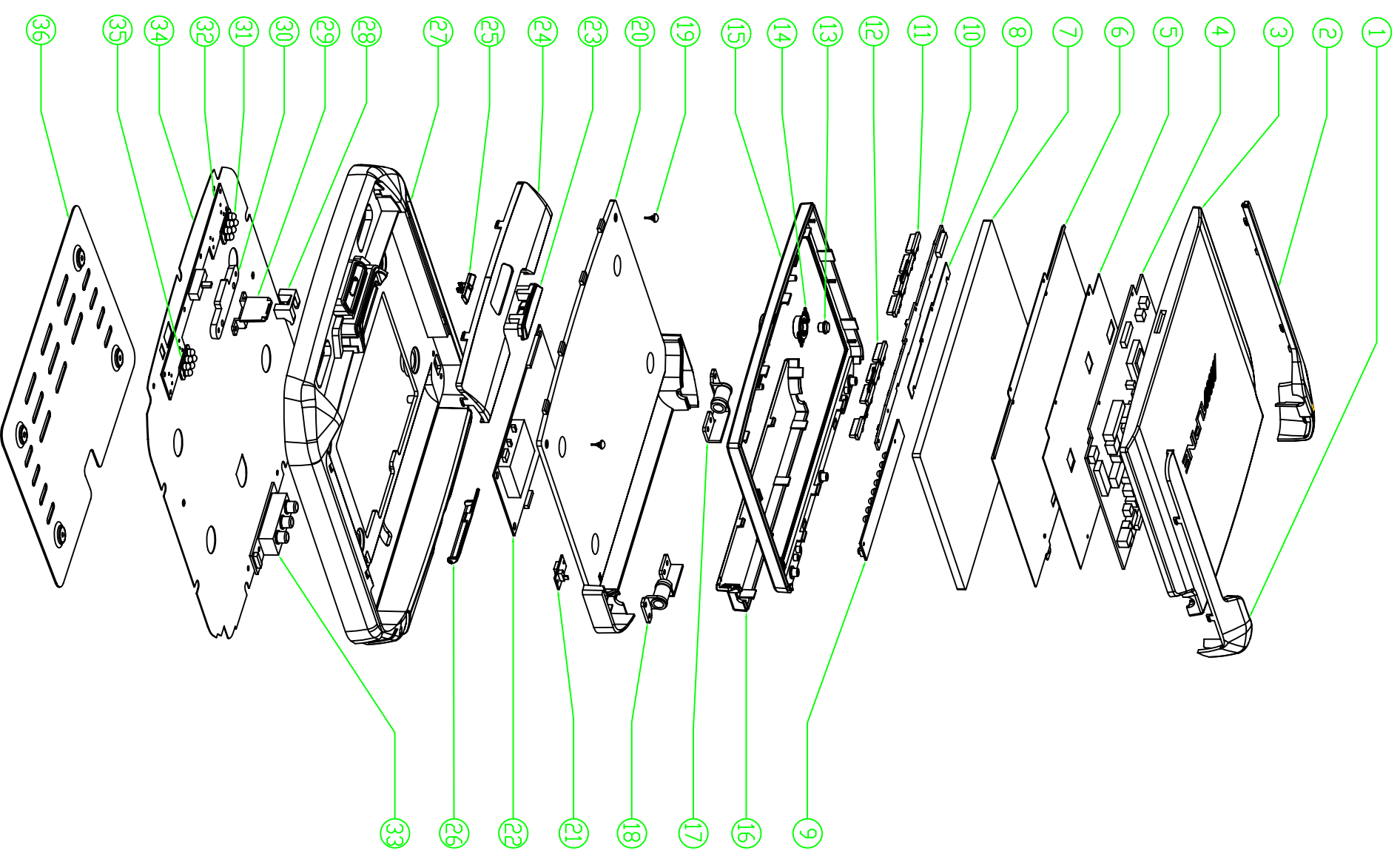
Exploded of Pocking Drawing(PKG-1000,JAPAN)



NO.16

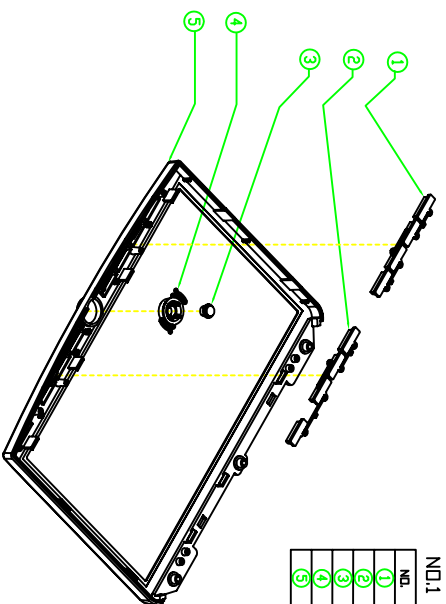
NO.	PART NUMBER	DESCRIPTION
1	408-CFA00000	STRIPDOWN TOP LAYER COVER
2	821-1020#A-00	THK-1000 MONITOR
3	344-CFA070-02	BASE BRACKET
4	408-CFA00000	STRIPDOWN TOP LAYER FOR MONITOR
5	302-CFA100-01	TRIM RING
6	828-926924-00	SLIM AV BOX
7	36C-200746-00	AV BOX LABEL
8	402-CFA00000	GIFT BOX
9	366-CFA820-1#	S/N LABEL
10	405-CFA00000	SEPARATOR SHEET
11	401-CFA00000	MASTER CARTON
12	366-CFA820-1#	S/N LABEL
13	382-CFALL0-01	BUBBLE BAG
14	131-220082-00	DIN CABLE
15	132-079061-00	POWER CABLE
16	51-40006-211	SCREW FOR BASE BRACKET
17	51-03006-071	SCREW FOR STRIM RING
18	64K-40000-010	AAA BATTERY#2
19	810-00000-00	WIRELESS HEADPHONE
20	64N-0440CT-00	REMOTE CONTROL
21	408-CFA004000	STRIPDOWN BOTTOM LAYER FOR ACCESSORIES
22	402-CFA000000	BOTTOM LAYER GIFT BOX

Exploded of Cabinet Drawing



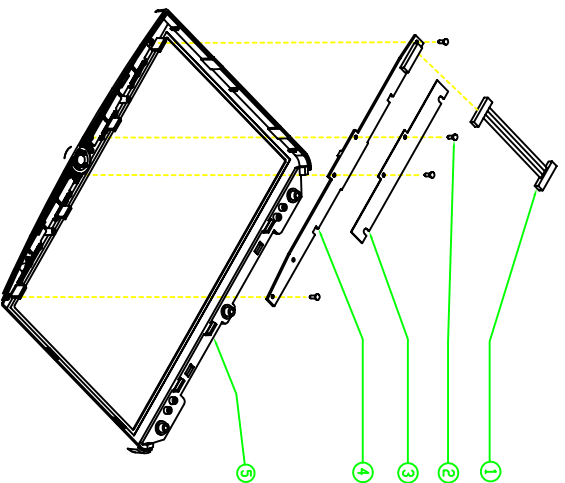
NO.	PART NUMBER	DESCRIPTION
1	30Z-CF02S0-00	RIGHT DECORPLATE
2	30Z-CF02S0-01	LEFT DECORPLATE
3	30B-CF02G0-00	BACK COVER
4	65A-102MFA-01	DRIVER BOARD PCBA
5	351-CFA150-01	DRIVER BOARD MYLAR
6	344-CFAD00-00	DRIVER BOARD BRACKET
7	17T-10210-000	AUI0.2' PANEL
8	351-CFA150-02	KEY BOARD MYLAR
9	65L-102MFA-00	IR BOARD PCBA
10	65E-102MFA-00	KEY BOARD PCBA
11	30P-CF03S0-0L	LEFT KEY KNDB
12	30P-CF03S0-0R	RIGHT KEY KNDB
13	30P-CF03S0-00	CENTER KEY KNDB
14	30P-CF03S0-01	FUNCTION KEY KNDB
15	30T-CF02G0-00	FRONT COVER
16	30I-CF03D0-00	IR COVER
17	34A-CFAD70-0L	HINGE-L
18	34A-CFAD70-0R	HINGE-R
19	30Z-CF A6B0-00	RUBBER
20	30Z-CF02G0-00	MIDDLE BASE
21	65G-102MFA-00	MICRO SW PCBA
22	65A-102MFA-02	POWER BOARD PCBA
23	30P-CF02G0-01	PUSH BUTTON
24	30L-CF03C0-00	LAMP COVER
25	30P-CF02G0-00	LAMP KNDB
26	30Z-CF02G0-04	GAME PORT COVER
27	30Z-CF02G0-01	BASE
28	30Z-CF02G0-03	LOCK TIDOTH
29	30Z-CF02G0-05	MOVE PIN COVER
30	30Z-CF02G0-02	PUSH BUTTON COVER
31	65R-102MFA-0L	LAMP BOARD-L
32	65R-102MFA-03	LAMP BOARD PCBA
33	65R-102MFA-02	GAME BOARD PCBA
34	351-CF A250-00	BASE MYLAR
35	65R-102MFA-0R	LAMP BOARD-R
36	344-CFAD70-02	BASE BRACKET

Exploded Drawing 1~4



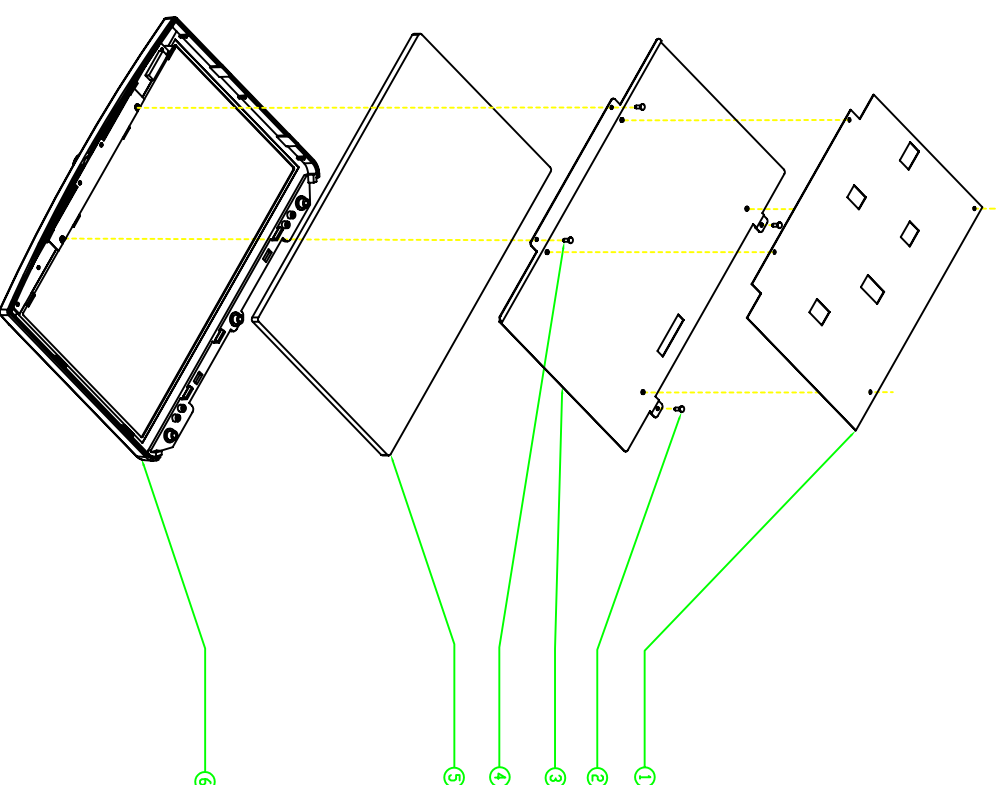
NO.1

NO.	PART NUMBER	DESCRIPTION
1	30P-CF03S-0R	RIGHT KEY KNOB
2	30P-CF03S-0L	LEFT KEY KNOB
3	30P-CF03S-00	CENTER KEY KNOB
4	30P-CF03S-01	FUNCTION KEY KNOB
5	30T-CF02GD-00	FRONT COVER



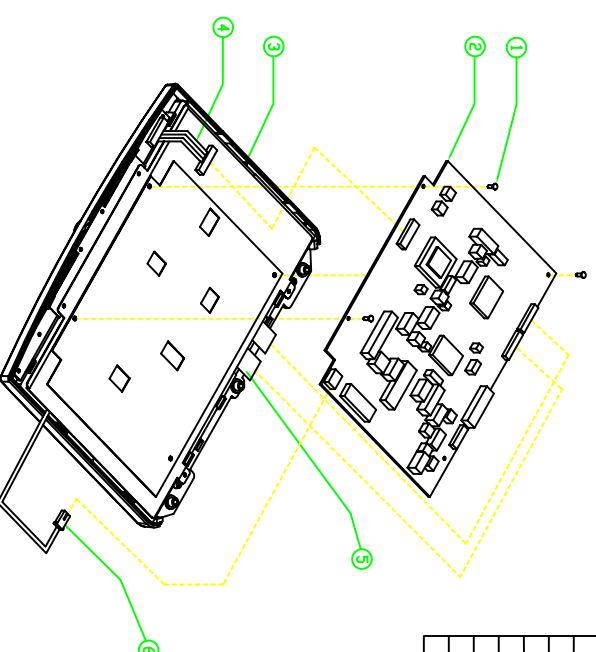
NO.2

NO.	PART NUMBER	DESCRIPTION
1	131-224131-00	KEY TO DRIVER CABLE
2	51-02206-511	2.2# TPE SCREWS
3	331-CF415B-02	MYLAR FOR KEY BOARD
4	65E-102MF-A-00	KEY BOARD PCB
5	30T-CF02GD-00	FRONT COVER



NO.3

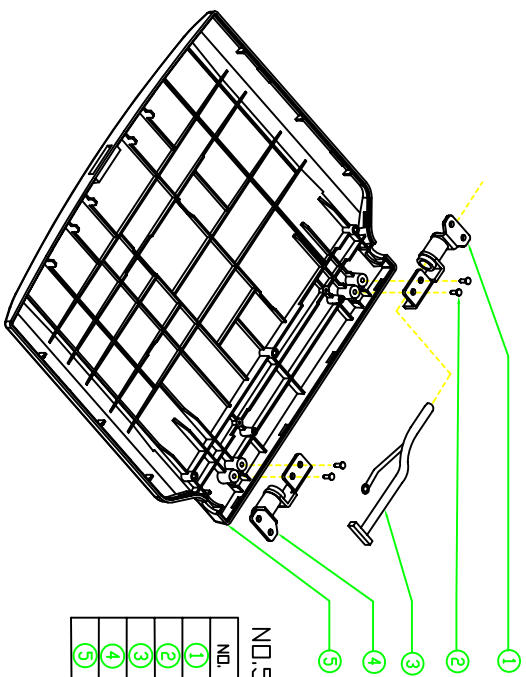
NO.	PART NUMBER	DESCRIPTION
1	351-CF415B-01	MYLAR FOR DRIVER BOARD
2	51-BR304-171	2.3#4 TPE SCREWS
3	344-CFAD00-00	BRACKET FOR DRIVER BOARD
4	51-02206-511	2.2# TPE SCREWS
5	171-10210-000	AV 10.2" PANEL
6	30T-CF02GD-00	FRONT COVER



NO.4

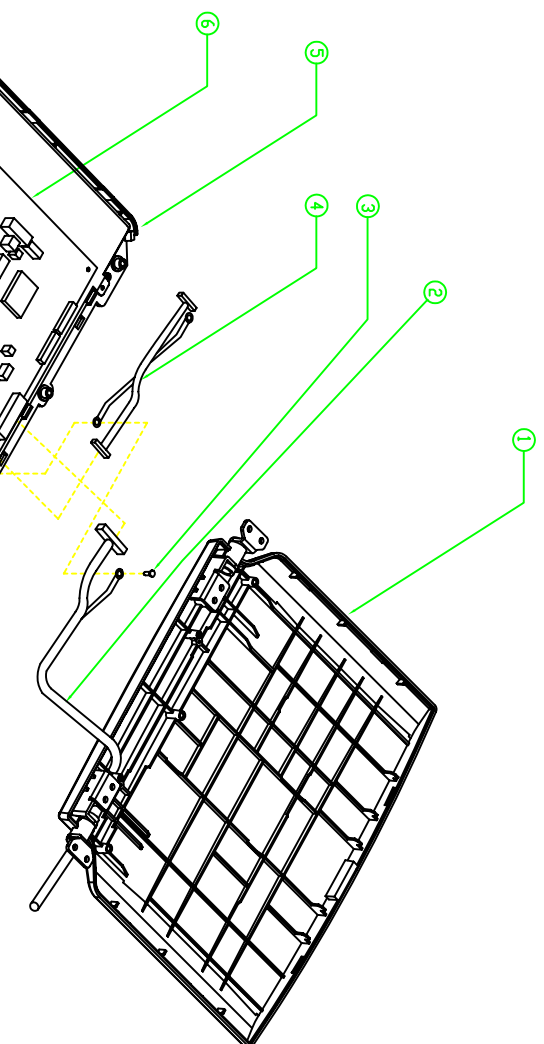
NO.	PART NUMBER	DESCRIPTION
1	51-20003-011	2#3 ISO SCREWS
2	65A-102MF-A-01	DRIVER BOARD
3	30T-CF02GD-00	FRONT COVER
4	131-224131-00	KEY TO DRIVER CABLE
5		PANEL FPC#2
6		PANEL CCFL CABLE

Exploded Drawing 5~7



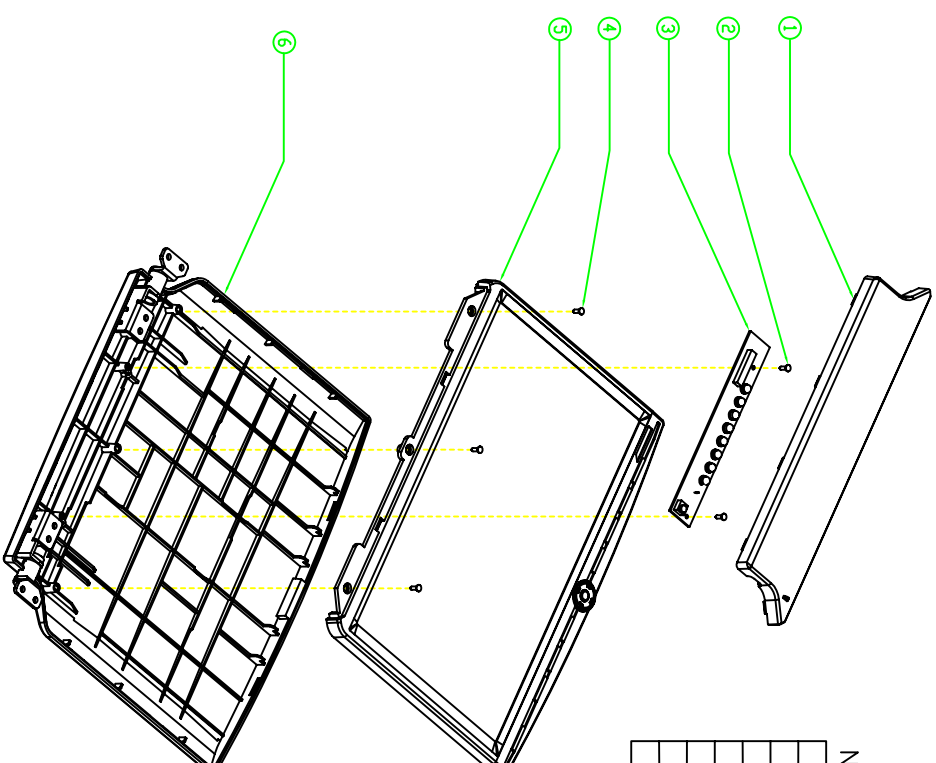
ND.5

NO.	PART NUMBER	DESCRIPTION
1	34A-CFAD70-0R	RIGHT HINGE
2	51-02608-212	2*8 ISD SCREW*4
3	131-224094-00	IR CABLE
4	34A-CFAD70-0L	LEFT HINGE
5	30B-CF02G0-00	BACK COVER



ND.6

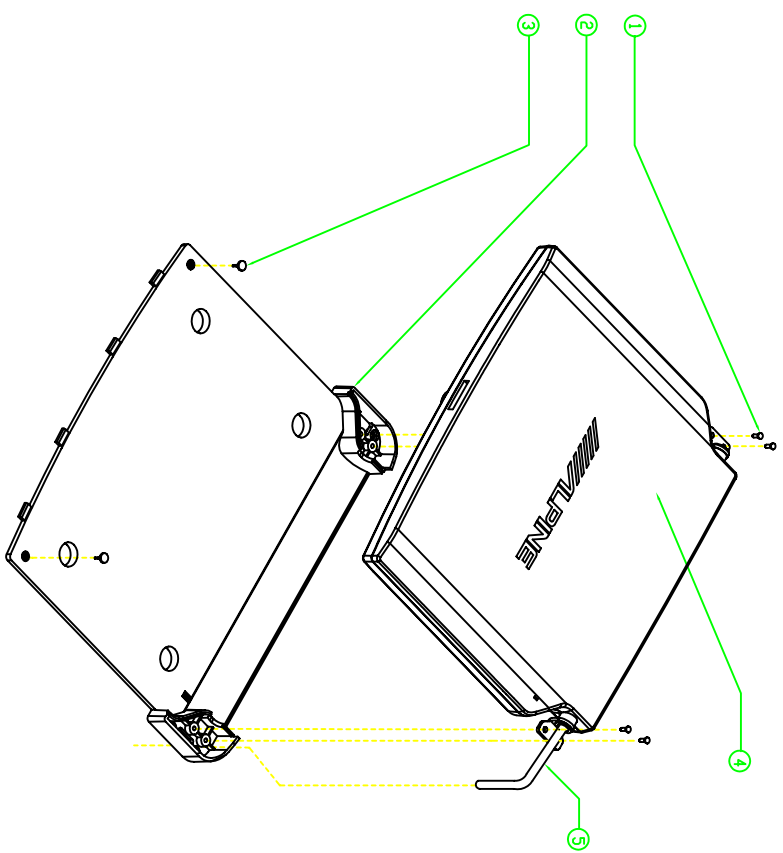
NO.	PART NUMBER	DESCRIPTION
1	30B-CF02G0-00	BACK COVER
2	131-225134-00	POWER TD DRIVER CABLE
3	33G-22004-100	2*4 ISD SCREW*1
4	131-224094-00	IR CABLE
5	30T-CF02G0-00	FRONT COVER
6	65A-102MF-A-01	DRIVER BOARD PCB



ND.7

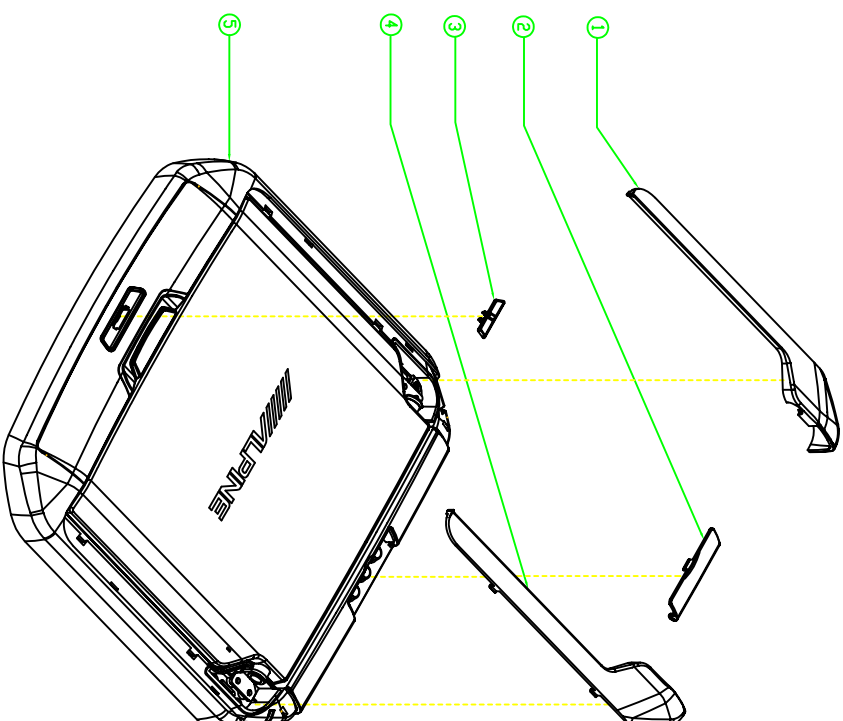
NO.	PART NUMBER	DESCRIPTION
1	30I-CF03D0-00	IR COVER
2	51-02206-511	2.2*6 SCREW*2
3	65L-102MF-A-01	IR BOARD PCB
4	51-30012-111	3*12 TP2 SCREW*3
5	30T-CF02G0-00	FRONT COVER
6	30B-CF02G0-00	BACK COVER

Exploded Drawing 8~10



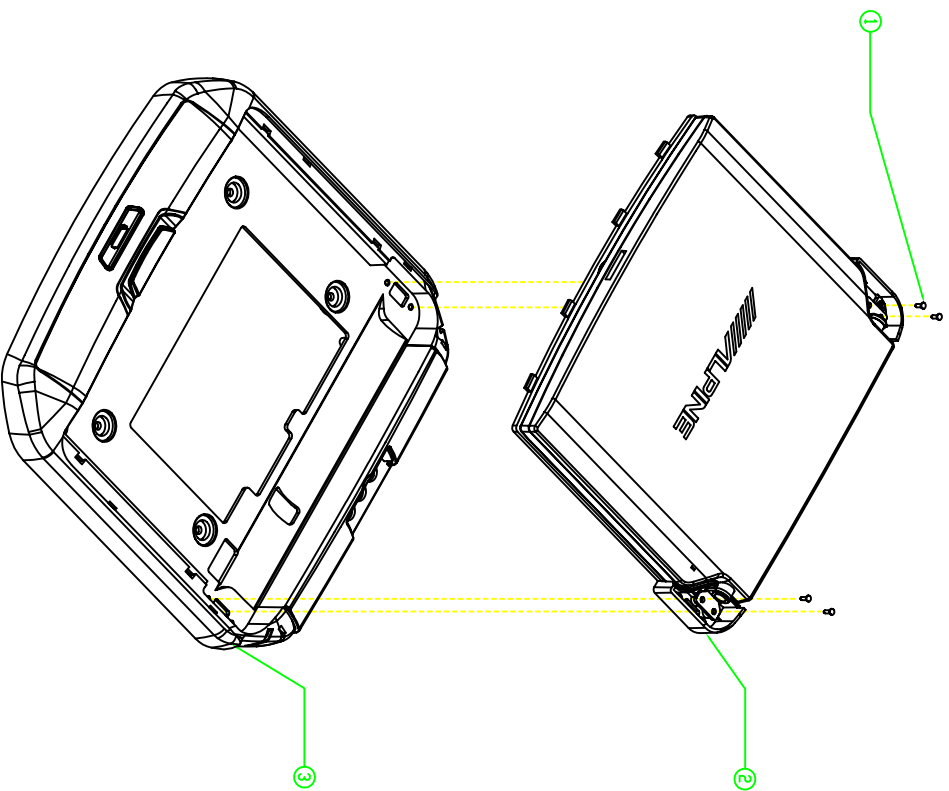
ND.8

NO.	PART NUMBER	DESCRIPTION
①	33A-12607-700	2.6*7 ISD SCREW*4
②	30Z-CF02G0-00	MIDDLE BASE
③	30Z-CF A6B0-00	9.7*6mm RUBBER
④	30B-CF02G0-00	BACK COVER
⑤	131-225134-00	POWER TD DRIVER CABLE



ND.10

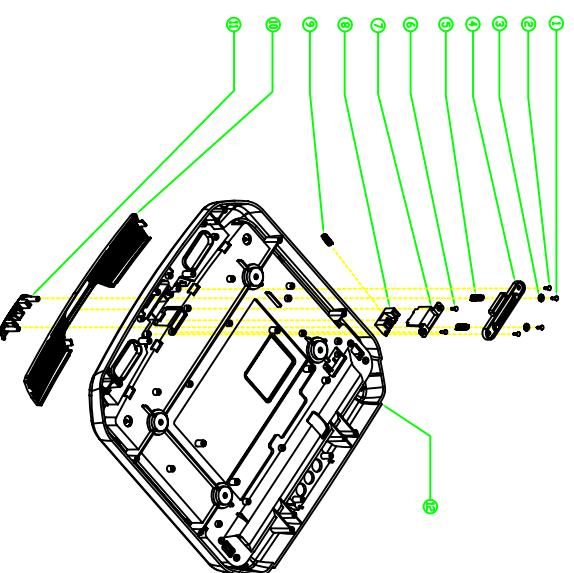
NO.	PART NUMBER	DESCRIPTION
①	30Z-CF02S0-01	LEFT DECOPLATE
②	30Z-CF02G0-04	GAME PORT COVER
③	30P-CF02G0-00	LAMP KNOB
④	30Z-CF02S0-00	RIGHT DECOPLATE
⑤	03Z-CF02G0-01	BASE



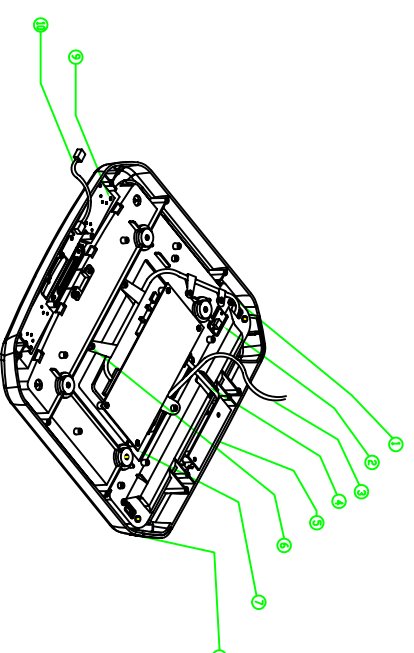
ND.9

NO.	PART NUMBER	DESCRIPTION
①	33A-12607-700	2.6*7 ISD SCREW*4
②	30Z-CF02G0-00	MIDDLE BASE
③	30Z-CF02G0-01	BASE

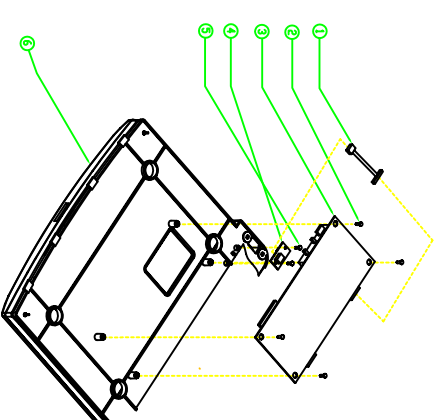
Exploded Drawing 11~15



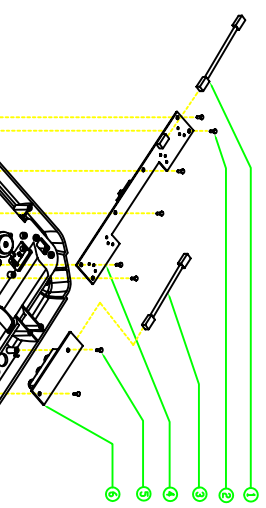
NO.	PART NUMBER	DESCRIPTION
1	51-02206-511	2#x6 TP2 SCREW#2
2	51-30008-111	3#x8 TP2 SCREW#2
3	51-60003-085	6#x3mm WASHER
4	302-CF02G0-02	PUSH BUTTON COVER
5	52-15917-800	0.35x6x17mm SPRING#2
6	51-30004-171	3#x4 TP2 SCREW#2
7	302-CF02G0-05	MOVE PIN COVER
8	302-CF02G0-03	LOCK TIGHTH
9	52-15721-900	0.35x5x5x2mm SPRING#1
10	30L-CF03G0-00	LAMP COVER
11	30P-CF02G0-01	PUSH BUTTON
12	30Z-CF02G0-01	BASE



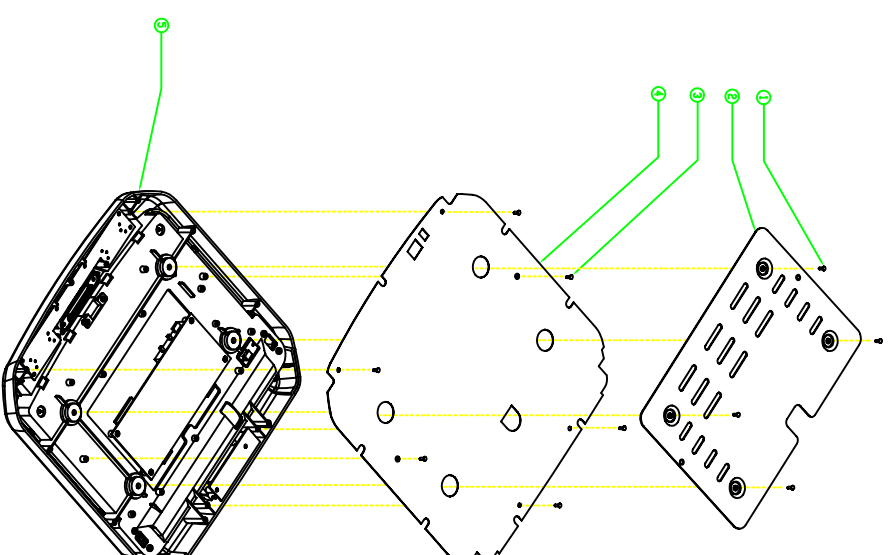
NO.	PART NUMBER	DESCRIPTION
1	131-229134-00	POWER TO DRIVER CABLE
2	65G-102HF-A-00	MICRO SV BOARD PCB#A
3	131-229102-01	MINI DIN CABLE BRPN
4	131-229104-00	GAME BOARD PCB#E
5	65R-102HF-A-02	GAME BOARD PCB#A
6	344-CF#70-00	WIRE CLAMP #5
7	65A-102HF-A-02	POWER BOARD PCB#A
8	302-CF02G0-01	LAMP BOARD PCB#A
9	65R-102HF-A-03	LAMP BOARD PCB#A
10	131-015030-00	LAMP BOARD CABLE



NO.	PART NUMBER	DESCRIPTION
1	131-023020-00	MICRO SV CABLE
2	51-03006-071	3#x6 TP3 SCREW#4
3	65A-102HF-A-02	POWER BOARD PCB#A
4	65G-102HF-A-00	MICRO SV BOARD PCB#A
5	51-20004-111	2#x4 TP2 SCREW#2
6	30Z-CF02G0-00	MIDDLE BASE



NO.	PART NUMBER	DESCRIPTION
1	131-015030-00	LAMP BOARD CABLE
2	51-30005-171	3#x5 TP2 SCREW#6
3	131-229104-00	GAME PORT CABLE
4	65R-102HF-A-03	LAMP BOARD PCB#A
5	51-30008-111	3#x8 TP2 SCREW#2
6	65R-102HF-A-02	GAME BOARD PCB#A
7	30Z-CF02G0-01	BASE



NO.	PART NUMBER	DESCRIPTION
1	51-40006-211	4#x6 ISO SCREW FOR BASE BRACKET
2	344-CF#D70-02	BASE BRACKET
3	51-03006-071	3#x6 TP3 SCREW FOR BASE NYLAR
4	351-CF#A50-00	BASE NYLAR
5	30Z-CF02G0-01	BASE

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CANADIAN ADDRESS FACES UP.

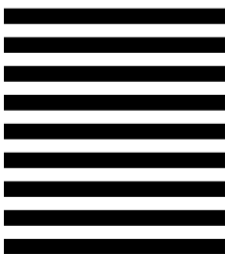
↓ FOR USE IN USA, PLEASE FOLD HERE AND ENSURE THAT
AMERICAN ADDRESS FACES UP.



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ALPINE. Customer Care Registration



For easy on-line registration, go to ["www.alpine-usa.com/registration"](http://www.alpine-usa.com/registration)

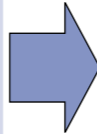
Thank you for choosing Alpine! Please register your product with us so we can serve you better.

SEAL HERE

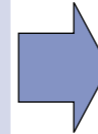
First name: _____
Last name: _____
Home address: _____
Street address

City State/Prov. Zip Code

May we contact you at this address? 1. Yes 2. No
Phone number: () _____
May we contact you at this number? 1. Yes 2. No
E-mail Address: _____
May we contact you by e-mail? 1. Yes 2. No
Gender 1. Male 2. Female
Date of Birth Month: _____ Year: _____
Marital Status 1. Single 2. Married
Which ethnicity best describes yourself:
1. Caucasian 4. Asian
2. Hispanic 5. Other _____
3. African-American
Your highest level of education completed:
1. High School Student
2. High School Graduate
3. 2 Yr. Degree/Some College
4. Completed 4 Yr. College
5. Completed Graduate School



Product purchased
1. Cassette Player 9. Monitor Controller
2. CD Player 10. Video Monitor
3. MD Player 11. Navigation
4. DVD Player 12. Mobile Mayday
5. CD Changer 13. Video Tape Player
6. Amplifier 14. Processor/Equalizer
7. Speaker 15. Security
8. Subwoofer 16. Other _____
Model Number: _____
Serial Number: _____
Date of Purchase: _____
Month: _____ Year: _____
If navigation system, which monitor?
1. Alpine → (Model No.) _____
2. Other → (Brand Name) _____
Purpose of buying this unit?
1. Addition
2. Replacement → *Previous brand replaced?
1. Factory installed
2. Alpine
3. Other _____
Have you purchased Alpine products before?
1. First time 2. Two or more times



When you purchased this Alpine unit, did you compare it with other brands?
1. Yes 2. No
↓
(Brand Name) _____
Which of the following statements best describes you?
1. I usually have more electronic equipment than my friends
2. I am usually one of the first of my friends to buy the newest electronic equipment
3. I usually wait until a product has been out for a while before I purchase it
4. I am usually on of the first of my friends to know about the newest car
5. I usually know more about cars than my friends
Occupation
1. Executive/Managerial 6. Engineering/Technical
2. Secretarial/Clerical 7. Farming/Fishing
3. Sales 8. Retired
4. General Labor 9. Student
5. Professional 10. Other _____
Household Income
1. Less than \$30,000 4. \$70,000 - \$90,000
2. \$30,000 - \$50,000 5. \$90,000 - \$110,000
3. \$50,000 - \$70,000 6. Over \$110,000
Type of vehicle in which this unit is installed.
Make: _____ Model: _____
Purchased Year: _____ Model Year: _____
How was this vehicle purchased?
1. Bought 2. Leased

SEAL HERE

Thank you for your cooperation! We value your privacy. This information will remain confidential with Alpine and its affiliates.

Customer Care Registration is for Product registration.
Failure to complete and return this card does not diminish your warranty rights.

PART NO. 68P04190K17-A