

Y013/Y014 POINT TO POINT DIAGRAM 1/2

Cover OpenSwitch (SW1)	POSW	
	1	VCCS+3.3V
	2	COVER_DET

EX Board
(PCB2)

POKEY	
1	GND
2	POWER_KEYIN
3	KEYOUT[0]
4	KEYOUT[1]
5	KEYOUT[2]
6	KEYIN[0]
7	KEYIN[1]
8	KEYIN[2]
9	KEYIN[3]
10	GND

Operation
panel
(PCB11)

POFAN5	
1	FAN_VCC
2	GND
3	FAN_DET

Lamp Fan
(M1)

POFAN6	
1	FAN_VCC
2	GND
3	FAN_DET

Integrator Fan
(M2)

POFAN7	
1	FAN_VCC
2	GND
3	FAN_DET

Reflector Fan
(M3)

POREMNR	
1	SUBCPU+3.3V
2	GND
3	REMR
4	NC

Remote Control
Receiver Board
(PCB10)

POLED			
1	TEMP_RED	2	TEMP_GREEN
3	LAMP_RED	4	LAMP_GREEN
5	STATUS_RED	6	STATUS_GREEN
7	POWER_BLUE	8	POWER_RED
9	POWER_GREEN	10	NW_LEDCTL
11	GND	12	VCCS+5V
13	REMF	14	GND
15	SUBCPU+3.3V	16	SUBCPU+3.3V
17	GND	18	GND
19	GND	20	GND

LED Board
(PCB9)

POMO	
1	AO1
2	AO2
3	BO1
4	BO2
5	PI_VCC
6	PI_DI1
7	PI_TR1

Optical Engine Unit

POLM	
1	RXD
2	GND
3	VCCS+3.3V
4	SCI
5	TXD

Ballast
(PCB8)

POPS			
1	PS5.0V	2	PS_ON-
3	S4.2V	4	GND
5	S4.2V	6	GND
7	GND	8	GND
9	S6.2V	10	S6.2V
11	GND	12	GND
13	S13.5V	14	S13.5V
15	GND	16	GND
17	S17V	18	PFC_ON

PSU
(PCB7)

POPR/POPG/POPB			
1	NC	2	FB
3	VCOML	4	VVDD
5	SOUT	6	RG1
7	TEST2	8	TEST1
9	PCG	10	DIN
11	DWN	12	VST
13	VCK	14	ENB
15	VVSS	16	VSSGL
17	HVSS	18	HST
19	HCKX	20	HCK
21	DCK1	22	DCK1X
23	DCK2X	24	DCK2
25	HVDD	26	VSIG12
27	VSIG11	28	VSIG10
29	VSIG9	30	VSIG8
31	VSIG7	32	VSIG6
33	VSIG5	34	VSIG4
35	VSIG3	36	VSIG2
37	VSIG1	38	VSSGR
39	PSIG	40	VCOMR

LCD Panel
(PCB6)

POIO1			
1	R_OUT	2	GND
3	G_OUT	4	GND
5	B_OUT	6	GND
7	H_OUT	8	GND
9	V_OUT	10	GND
11	AUDIO_R_OUT	12	GND
13	AUDIO_L_OUT	14	GND
15	AU JACK_DET	16	GND
17	PC_CTL_RXD	18	GND
19	PC_CTL_TXD	20	GND
21	REMR	22	REM_SEL
23	VCCS_REM	24	REM_WIRED

I/O Board
(PCB3)

POIO2			
1	BNC_RIN	2	BNC_CV
3	BNC_GIN	4	GND
5	BNC_BIN	6	GND
7	BNC_HIN	8	GND
9	BNC_VIN	10	GND
11	BNC_AUDIO_R_IN	12	GND
13	BNC_AUDIO_L_IN	14	GND
15	VCCSA+5V	16	GND
17	S-C	18	GND
19	S-Y	20	GND
21	CV	22	AUDIO_V_L
23	S_DET	24	AUDIO_V_R

POMM			
1	VCCNWS+6.2V	36	VCCNWS+6.2V
2	VCCNWS+6.2V	37	VCCNWS+6.2V
3	VCCNWS+6.2V	38	VCCNWS+6.2V
4	VCCNWS+6.2V	39	VCCNWS+6.2V
5	VCCNWS+6.2V	40	VCCNWS+6.2V
6	GND	41	GND
7	GND	42	VCCS+5V_SUB
8	B_MM[2]	43	REOUSB_D-
9	B_MM[3]	44	REOUSB_D+
10	B_MM[4]	45	VCCS+5V_SUB
11	B_MM[5]	46	CPU_READY
12	B_MM[6]	47	CPU_STATUS
13	B_MM[7]	48	VCCS+5V_SUB
14	B_MM[8]	49	MM_UART_TXD
15	B_MM[9]	50	MM_UART_RXD
16	GND	51	GND
17	G_MM[2]	52	SHUSB_D-
18	G_MM[3]	53	SHUSB_D+
19	G_MM[4]	54	GND
20	G_MM[5]	55	MM_RST-
21	G_MM[6]	56	MM_PW_REQ
22	G_MM[7]	57	MM_STATUS
23	G_MM[8]	58	GND
24	G_MM[9]	59	DO_MM
25	GND	60	WCLK_MM
26	R_MM[2]	61	GND
27	R_MM[3]	62	BCLK_MM
28	R_MM[4]	63	GND
29	R_MM[5]	64	MCLK_MM
30	R_MM[6]	65	GND
31	R_MM[7]	66	HD_MM
32	R_MM[8]	67	VD_MM
33	R_MM[9]	68	GND
34	GND	69	CLK_MM
35	MM_ON	70	BUF_EN

Network Board
(PCB4)

POFAN1	
1	FAN_VCC
2	GND
3	FAN_DET

B-LCD Fan
(M4)

POFAN2	
1	FAN_VCC
2	GND
3	FAN_DET
4	NC

Exhaust Fan
(M5)

POFAN3	
1	FAN_VCC
2	GND
3	FAN_DET

G-LCD Fan
(M6)

POFAN4	
1	FAN_VCC
2	GND
3	FAN_DET

R-LCD Fan
(M7)

POFAN8	
1	FAN_VCC
2	GND
3	FAN_DET

PSU Fan
(M8)

POTH1	
1	TH1_IN
2	GND

Board
Internal Temp
Sensor
(S1)

POTH3	
1	TH3_IN
2	GND

Board
Lamp Temp
Sensor
(S2)

POLCAP	
1	SCAP_VCC
2	GND
3	GND
4	SCAP_CHG

LCAP Board
(PCB12)

Y013/Y014 POINT TO POINT DIAGRAM 2/2

POPS				
1	PS5.0V	4.75-5.25V	2	PS_ON-
3	S4.2V	4.0-5.5V	4	GND
5	S4.2V	4.0-5.5V	6	GND
7	GND	GND	8	GND
9	S6.2V	5.3-7.0V	10	S6.2V
11	GND	GND	12	GND
13	S13.5V	13.0-15.0V	14	S13.5V
15	GND	GND	16	GND
17	S17V	16.0-18.0V	18	PFC_ON

POIO1				
1	R_OUT	-	2	GND
3	G_OUT	-	4	GND
5	B_OUT	-	6	GND
7	H_OUT	-	8	GND
9	V_OUT	-	10	GND
11	AUDIO_R_OUT	-	12	GND
13	AUDIO_L_OUT	-	14	GND
15	AU_JACK_DET	-	16	GND
17	PC_CTL_RXD	-	18	GND
19	PC_CTL_TXD	-	20	GND
21	REMR	3.20V	22	REM_SEL
23	VCCS_REM	4.80V	24	REM_WIRED

POIO2				
1	BNC_RIN	-	2	BNC_CV
3	BNC_GIN	-	4	GND
5	BNC_BIN	-	6	GND
7	BNC_HIN	-	8	GND
9	BNC_VIN	-	10	GND
11	BNC_AUDIO_R_IN	-	12	GND
13	BNC_AUDIO_L_IN	-	14	GND
15	VCCSA+5V	5V	16	GND
17	S-C	-	18	GND
19	S-Y	-	20	GND
21	CV	-	22	AUDIO_V_L
23	S_DET	-	24	AUDIO_V_R

POLED				
1	TEMP_RED	-	2	TEMP_GREEN
3	LAMP_RED	-	4	LAMP_GREEN
5	STATUS_RED	-	6	STATUS_GREEN
7	POWER_BLUE	-	8	POWER_RED
9	POWER_GREEN	-	10	NW_LEDCTL
11	GND	GND	12	VCCS+5V
13	REMF	3.12V	14	GND
15	SUBCPU+3.3V	3.3V	16	SUBCPU+3.3V
17	GND	GND	18	GND
19	GND	GND	20	GND

POEX				
1	VCCS_FAN5	3.6-12.8V	2	GND
3	GND	GND	4	POWER_KEYIN
5	FANDET5	-	6	KEYOUT [0]
7	VCCS_FAN6	3.6-12.8V	8	KEYOUT [1]
9	GND	GND	10	KEYOUT [2]
11	FANDET6	-	12	KEYIN [0]
13	VCCS_FAN7	3.6-12.8V	14	KEYIN [1]
15	GND	GND	16	KEYIN [2]
17	FANDET7	-	18	KEYIN [3]
19	TO_BM	3.00V	20	GND
21	BM_R	3.00V	22	AMP_MUTE
23	COVER_R	3.22V	24	GND
25	GND	GND	26	BEEP
27	VCCS+3.3V	3.3V	28	GND
29	TH2_IN	3.28V	30	AUDIO_SOURCE
31	GND	GND	32	GND
33	VCCS+13.5V_IO	13.0-15.0V	34	VCCS+13.5V_IO
35	NC	-	36	NC
37	NC	-	38	NC
39	NC	-	40	NC

POMM				
1	VCCNWS+6.2V	5.3-7.0V	36	VCCNWS+6.2V
2	VCCNWS+6.2V	5.3-7.0V	37	VCCNWS+6.2V
3	VCCNWS+6.2V	5.3-7.0V	38	VCCNWS+6.2V
4	VCCNWS+6.2V	5.3-7.0V	39	VCCNWS+6.2V
5	VCCNWS+6.2V	5.3-7.0V	40	VCCNWS+6.2V
6	GND	GND	41	GND
7	GND	GND	42	VCCS+5V_SUB
8	B_MM [2]	-	43	REOUSB_D-
9	B_MM [3]	-	44	REOUSB_D+
10	B_MM [4]	-	45	VCCS+5V_SUB
11	B_MM [5]	-	46	CPU_READY
12	B_MM [6]	-	47	CPU_STATUS
13	B_MM [7]	-	48	VCCS+5V_SUB
14	B_MM [8]	-	49	MM_UART_TXD
15	B_MM [9]	-	50	MM_UART_RXD
16	GND	GND	51	GND
17	G_MM [2]	-	52	SHUSB_D-
18	G_MM [3]	-	53	SHUSB_D+
19	G_MM [4]	-	54	GND
20	G_MM [5]	-	55	MM_RST-
21	G_MM [6]	-	56	MM_PW_REQ
22	G_MM [7]	-	57	MM_STATUS
23	G_MM [8]	-	58	GND
24	G_MM [9]	-	59	DO_MM
25	GND	GND	60	WCLK_MM
26	R_MM [2]	-	61	GND
27	R_MM [3]	-	62	BCLK_MM
28	R_MM [4]	-	63	GND
29	R_MM [5]	-	64	MCK_MM
30	R_MM [6]	-	65	GND
31	R_MM [7]	-	66	HD_MM
32	R_MM [8]	-	67	VD_MM
33	R_MM [9]	-	68	GND
34	GND	GND	69	CLK_MM
35	MM_ON	3.30V	70	BUF_EN

POPR/POPG/POPB				
1	NC	-	2	FB
3	VCOML	7.56V	4	VVDD
5	SOUT	-	6	RGT
7	TEST2	-	8	TEST1
9	PCG	-	10	DIN
11	DWN	0.0V	12	VST
13	VCK	-	14	ENB
15	VVSS	GND	16	VSSGL
17	HVSS	GND	18	HST
19	HCKX	-	20	HCK
21	DCK1	-	22	DCK1X
23	DCK2X	-	24	DCK2
25	HVDD	15.5V	26	VSIG12
27	VSIG11	-	28	VSIG10
29	VSIG9	-	30	VSIG8
31	VSIG7	-	32	VSIG6
33	VSIG5	-	34	VSIG4
35	VSIG3	-	36	VSIG2
37	VSIG1	-	38	VSSGR
39	PSIG	-	40	VCOMR

POKEY		
1	GND	GND
2	POWER_KEYIN	-
3	KEYOUT [0]	-
4	KEYOUT [1]	-
5	KEYOUT [2]	-
6	KEYIN [0]	-
7	KEYIN [1]	-
8	KEYIN [2]	-
9	KEYIN [3]	-
10	GND	GND

POSW		
1	VCCS+3.3V	3.26V
2	COVER_DET	3.26V

POBM		
1	TO_BM	3.00V
2	BM_R	3.00V

POSP		
1	SPEAKER +	-
2	SPEAKER -	-

POLM		
1	RXD	-
2	GND	GND
3	VCCS+3.3V	3.3V
4	SCI	1.58V
5	TXD	-

POREMR		
1	SUBCPU+3.3V	3.3V
2	GND	GND
3	REMR	3.22V
4	NC	-

POMO		
1	AO1	-
2	AO2	-
3	BO1	-
4	BO2	-
5	PI_VCC	3.3V
6	PI_DI1	2.22V
7	PI_TR1	0.86V

POWLA3		
1	VBUS	5.04V
2	USB_D+	-
3	USB_D-	-
4	GND	GND

POFAN1		
1	FAN_VCC	3.6-12.8V
2	GND	GND
3	FAN_DET	-

POFAN2		
1	FAN_VCC	3.6-12.8V
2	GND	GND
3	FAN_DET	-
4	NC	-

POFAN3		
1	FAN_VCC	3.6-12.8V
2	GND	GND
3	FAN_DET	-

POFAN4		
1	FAN_VCC	3.6-12.8V
2	GND	GND
3	FAN_DET	-

POFAN5		
1	FAN_VCC	3.6-12.8V
2	GND	GND
3	FAN_DET	-

POFAN6		
1	FAN_VCC	3.6-12.8V
2	GND	GND
3	FAN_DET	-

POFAN7		
1	FAN_VCC	3.6-12.8V
2	GND	GND
3	FAN_DET	-

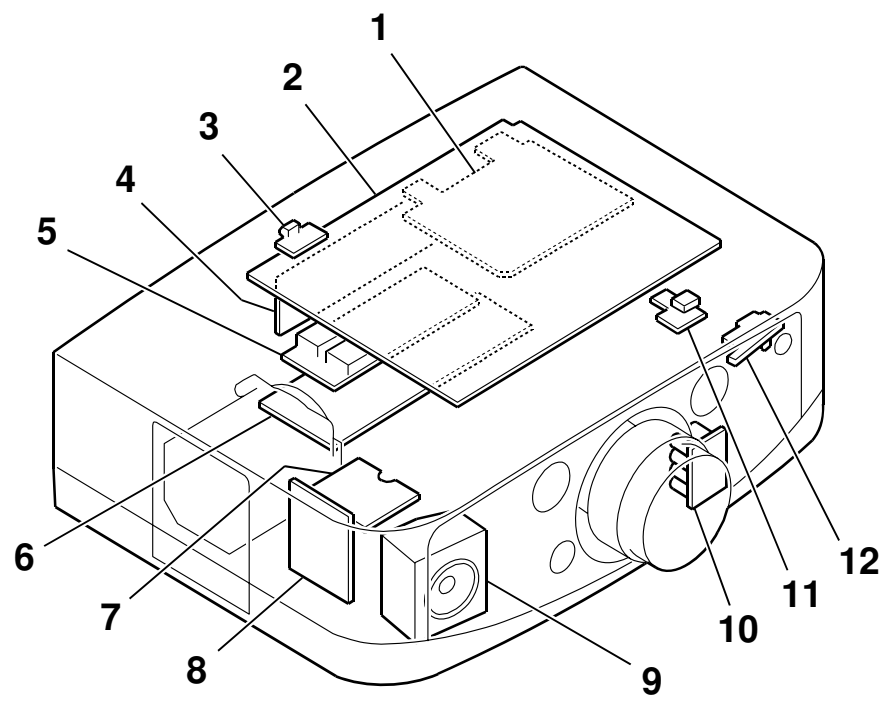
POFAN8		
1	FAN_VCC	3.6-12.8V
2	GND	GND
3	FAN_DET	-

POTH1		
1	TH1_IN	1.60V
2	GND	GND

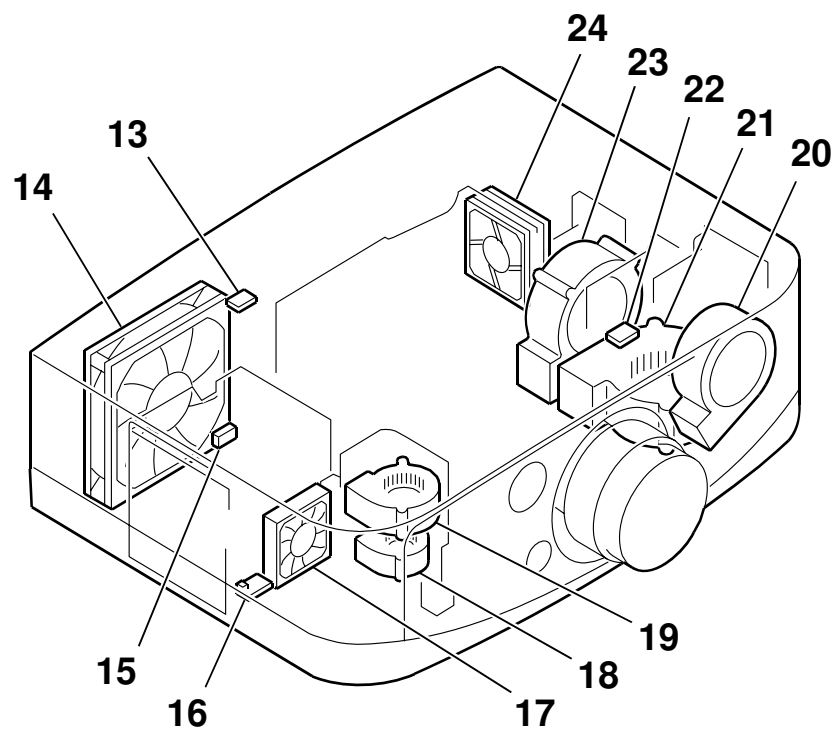
POTH3		
1	TH3_IN	1.44V
2	GND	GND

POLCAP		
1	SCAP_VCC	11.6V
2	GND	GND
3	GND	GND
4	SCAP_CHG	11.1V

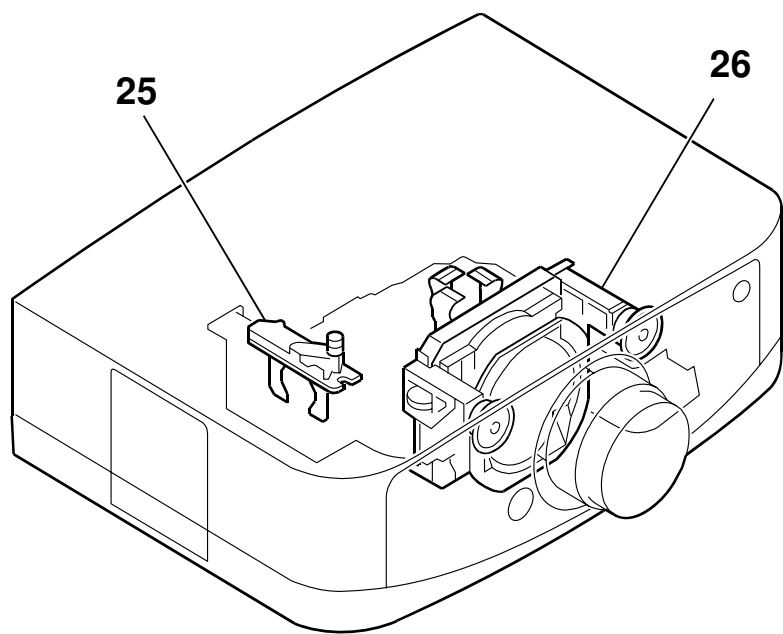
ELECTRICAL COMPONENT LAYOUT (Y013/Y014)



Y013D001.Wmf



Y013D002.Wmf



Y013D003.Wmf

Symbol	Index No.	Description	P to P
PCBs			
PCB1	2	Main Board	D5
PCB2	7	EX Board	B3
PCB3	4	I/O Board	C1
PCB4	1	Network Board	F3
PCB5	11	USB Network Board	F4
PCB6	-	LCD Panel	-
PCB7	6	PSU	C8
PCB8	5	Ballast	B7
PCB9	12	LED Board	B5
PCB10	3	Remote Control Receiver Board	B5
PCB11	8	Operation panel (Key-Pad)	A4
PCB12	10	LCAP Board	F7
Motors			
M1	19	Lamp Fan Motor	B4
M2	18	Integrator Fan Motor	B4
M3	17	Reflector Fan Motor	B4
M4	24	PSU Fan Motor	F6
M5	14	Exhaust Fan Motor	F4
M6	21	G-LCD Fan Motor	F5
M7	20	R-LCD Fan Motor	F5
M8	23	B-LCD Fan Motor	F4
Sensors			
S1	22	Internal Temp Sensor	F6
S2	13	Lamp Temp Sensor	F7
S3	15	Thermostat	-
Switch			
SW1	16	Lamp Interlock Switch	A2
Other			
OH1	9	Speaker	B2
OH2	25	IRIS Unit	-
OH3	26	OPT Base	-