

## 1.2. Circuit Diagram & Parts List

1)UNC Network Control Board

Symbol	OKI Part No.	Description	Q'ty	Remarks
I	40002999	PCB-UNC	1	ISSUE 2
AR1,2	543A1104G0351	SRH412-351MFT Arrester	4	
C1	306A2221K5474	ECQ-E2474KF CF Capacitor	250V 0.47uF	2
C4		SME35VB47BP CE Capacitor	35V 47uF	2
C30	304A1122A1101	SME10VB-100BP-OA CE Capacitor	10V 100uF	2
C31	306A2221K5104	ECQ-E2104KF CF Capacitor	250V 0.1uF	2
C508	303A6008Z3104	CK2012F1H104Z CK Capacitor	50V 0.1uF	2
CN1	223A3436P0001	TM5RE2V-66 Modular Jack		2 M
CN2	223A3437P0001	TM5RE3V-1212 Modular Jack		2 M
CN3	224A4335P0300	I-176837-4 PC Connector		2 M
IC1	652A0125M0008	TLP521-1-GR Photo Coupler		2 U
IC2	652A0125M0014	TLP620 Photo Coupler		2 U
IC10	760A0403M0701	2003P Transistor Array		2
D3,4	613A1231L0252	RD20E-B Zener DI		4 4KH-31051-102
D13,14	613A1231L0162	RD8. 2E-B Zener DI		4 4KH-31051-102
D502	611A0000N0003	SS100MA80VSCP Signal DI (CP)		2
R2,5	324A1111J0163	MOR1B16KohmJ RS Resistor		4 4KH-31050-152 W
R10,11	324A1111J0181	MOR1B180KohmJ RS Resistor		4 4KH-31050-152 W
R504	323A5003J0681	RM73B2A681J RN Resistor (CP)		2
R529,530	323A5003J0103	RM73B2A103J RN Resistor (CP)		4
R508-R512, R551-R554	323A5003P0001	2125JPW Chip Jumper (CP)		18
R523,536	323A5003J0301	RM73B2A301J RN Resistor (CP)		4
R574	323A5003J0333	RM73B2A333J RN Resistor (CP)		2
R575	323A5003J0620	RM73B2A620J RN Resistor (CP)		2
R576	323A5003J0511	RM73B2A511J RN Resistor (CP)		2

Title: PCB Assy. -UNC

DRW No. : 40002901BT - 1/2



## 1.2. Circuit Diagram & Parts List

### 2) Power Supply Board (Low Voltage)

MARKED	QT'	COMPONENTS	MANUFACTURE
D11, 12, 13, 14	4	DIODE ERA15-06	FUJI ELECTRIC CO., LTD.
D102	1	DIODE YG811S06R	FUJI ELECTRIC CO., LTD.
D101	1	DIODE YG911S2R	FUJI ELECTRIC CO., LTD.
D6, 7, 107	3	DIODE 1SS133	ROHM CO., LTD.
D103	1	DIODE ERA22-06	FUJI ELECTRIC CO., LTD.
D105, 106	2	ZENER DIODE HZ-24	HITACHI LTD.
D8	1	ZENER DIODE HZS9	HITACHI LTD.
TRA1	1	TRIODE AC SEMICONDUCTOR SWITCH SM12JZ47	TOSHIBA CORP. INTERNATIONAL OPERATIONS-ELECTRONIC COMPONENTS
Q101	1	TRANSISTOR 2SB1568	ROHM CO., LTD.
Q102	1	TRANSISTOR 2SA1757	ROHM CO., LTD.
Q105, 106	2	TRANSISTOR 2SA933S	ROHM CO., LTD.
Q104, 107	2	TRANSISTOR 2SC1740S	ROHM CO., LTD.
Q103	1	TRANSISTOR 2SC1741AS	ROHM CO., LTD.
Q1	1	FET 2SK2717	TOSHIBA CORP. INTERNATIONAL OPERATIONS-ELECTRONIC COMPONENTS
IC102	1	INTEGRATED CIRCUIT TA78M24S	TOSHIBA CORP. INTERNATIONAL OPERATIONS-ELECTRONIC COMPONENTS
IC151	1	INTEGRATED CIRCUIT 431	TOSHIBA CORP. INTERNATIONAL OPERATIONS-ELECTRONIC COMPONENTS
IC1	1	INTEGRATED CIRCUIT H8D2877	MURATA MFG. CO., LTD.
PC1, 2	2	OPTICAL ISOLATER PC123FY8	SHARP CORP. ELECTRONIC COMPONENTS GROUP.
PC4	1	OPTICAL ISOLATER S21ME6	SHARP CORP. ELECTRONIC COMPONENTS GROUP.
Z1	1	TRANSIENT VOLTAGE SURGE SUPPRESSOR ENC471	FUJI ELECTRIC CO., LTD.
NTC1	1	NTC THERMISTOR	MURATA MFG. CO., LTD.
R19	1	RESISTOR 1/4W 10 Ω	
R21	1	RESISTOR 1/4W 22 Ω	
R9	1	RESISTOR 1/4W 68 Ω	
R24	1	RESISTOR 1/4W 150 Ω	
R114, 150	2	RESISTOR 1/4W 220 Ω	
R7	1	RESISTOR 1/4W 330 Ω	
R6	1	RESISTOR 1/4W 470 Ω	
R151, 152	2	RESISTOR 1/4W 1kΩ	
R115	1	RESISTOR 1/4W 2.2kΩ	
R113	1	RESISTOR 1/4W 3.9kΩ	
R107, 109, 156, 157	4	RESISTOR 1/4W 4.7kΩ	
R153	1	RESISTOR 1/4W 6.8kΩ	
R154	1	RESISTOR 1/4W 8.2kΩ	
R101, 102, 108, 110, 112, 116, 155, 158	8	RESISTOR 1/4W 10kΩ	
R117, 118	2	RESISTOR 1/4W 15kΩ	
R13	1	RESISTOR 1/4W 18kΩ	
R15	1	RESISTOR 1/4W 27kΩ	
R122	1	RESISTOR 1/4W 100kΩ	
R103	1	RESISTOR 1/4W 220kΩ	
R3	1	RESISTOR 1/4W 470kΩ	

MARKED	QT'	COMPONENTS	MANUFACTURE
R2	1	RESISTOR 1/4W 680kΩ	
R11	1	RESISTOR 1/4W 6.8kΩ	
R22	1	RESISTOR 1/6W 10 Ω	
R111	1	RESISTOR 1W 56 Ω	
VR151	1	RESISTOR 1/10W 5kΩ	
C9, 13	2	CERAMIC CAPACITOR 50V 100 pF	MURATA MFG. CO., LTD.
C150	1	CERAMIC CAPACITOR 50V 0.1 μF	MURATA MFG. CO., LTD.
C7, 15	2	CERAMIC CAPACITOR VA3 3300 pF	MURATA MFG. CO., LTD.
C8	1	CERAMIC CAPACITOR 2kV 47 pF	MURATA MFG. CO., LTD.
C1	1	FILM CAPACITOR AC250V 0.1 μF (RE)	OKAYA ELECTRIC INDUSTRIES CO., LTD.
C10	1	FILM CAPACITOR 50V 0.01 μF	
C107	1	ELECTROLYTIC CAPACITOR 35V 560 μF	
C104, 109, 111, 130	4	ELECTROLYTIC CAPACITOR 35V 82 μF	
C105	1	ELECTROLYTIC CAPACITOR 50V 180 μF	
C5	1	ELECTROLYTIC CAPACITOR 400V 68 μF	
L1	1	INDUCTOR ELF18D	MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.
L101	1	INDUCTOR	
T1	1		
BEA1	1	FERRITE BEADS BLO1RN1-R62	MURATA MFG. CO., LTD.
F102	1	FUSE AC125V 2.0A	LITTELFUSE INC.
F103	1	FUSE AC250V 0.2A	BUSSMANN INTERNATIONAL INC.
F1	1	FUSE AC250V T4.0A	LITTELFUSE INC.
CN1	1	CONNECTOR 5277-02A	MOLEX INC.
CN101	1	CONNECTOR S12B-XH-A-1	JAPAN SOLDERLESS TERMINAL MFG. CO., LTD.
CN2	1	CONNECTOR B2P3-VH	JAPAN SOLDERLESS TERMINAL MFG. CO., LTD.

## 1.2. Circuit Diagram & Parts List

### 3) P2H Power Supply Board (Main High Voltage)

Rev	NO.	Part NO.	Part Name	Q'ty.	Unit	Use	Notes	Drawing
1	1	40599199	PCB-P2H	1			FCC ID: BDBF21002A	2YU
2								
3	D60, D61, D68, D69	611A0003L0001	1S953/1S2075K/1S2473 D-Signal -	4			4KH-31051-102	
4	D63, D67, D72, D74	610A0003M0002	DHM3FJ60/ESJA58-06 D-Rectifying -	4			4KH-31051-127	
5	D51, D55-D59, D62, D71, D84	6100003M0001	EU02A/RL105F-F D-Rectifying -Q	9			4KH-31051-102	
6	D52	613A2003M0001	1ZB300-Y/Z D-Zener -	1			4KH-31051-102	
7	D65, D66	613A2258M0350	1ZB390 D-Zener -	2			4KH-31051-102	
8	D76	613A1231L0262B	RD22E-B2 D-Zener -	1			4KH-31051-102	
9	D82	613A1231L0282A	RD27E-B1 D-Zener -	1			4KH-31051-102	
10	D87	613A1231L0522	RD200E-B D-Zener -	1			4KH-31051-102	
11	D85	6132003M0001	1ZB270-Y/Z(TPA2) D-Zener -Q	1			4KH-31051-102	
12								
13	R234	321A1421J0330	RD1/4Y33ohmJ RES-Carbon flm-	1			4KH-31051-127	
14	R47, R48	321A1421J0131	RD1/4Y130ohmJ RES-Carbon flm-	2			4KH-31051-127	
15	R102, R116, R121	321A1421J0331	RD1/4Y330ohmJ RES-Carbon flm-	3			4KH-31051-127	
16	R103, R123	321A1421J0102	RD1/4Y1KohmJ RES-Carbon flm-	2			4KH-31051-127	
17	R118	321A1421J0472	RD1/4Y4.7KohmJ RES-Carbon flm-	1			4KH-31051-127	
18	R122, R124, R229	321A1421J0512	RD1/4Y5.1KohmJ RES-Carbon flm-	3			4KH-31051-127	
19	R105	321A1421J0243	RD1/4Y24KohmJ RES-Carbon flm-	1			4KH-31051-127	
20	R104	321A1421J0753	RD1/4Y75KohmJ RES-Carbon flm-	1			4KH-31051-127	
21	R235	321A1421J0104	RD1/4Y100KohmJ RES-Carbon flm-	1			4KH-31051-127	
22	R228, R233	321A1421J0105	RD1/4Y1MohmJ RES-Carbon flm-	2			4KH-31051-127	
23	R100	321A1421J0305	RD1/4Y3MohmJ RES-Carbon flm-	1			4KH-31051-127	
24	R115	323A1222F5763	RNL1/4C3F576Kohm RES-MET RN -	1			4KH-31051-127	
25	R114, R236	3263103K0107	MRH100MK/HV-38-100MK RES-MET solid -	2			U	
26	2 R237	321A1421J0519	RD1/4Y5.1ohmJ RES-Carbon flm-	1			4KH-31051-127	
27	2 R238	3213420J0152	RD16UJ1.5Kohm RES-Carbon flm-	1			U	
28								

BT		AA Size	Relation Drawing code	2YU	<b>Okidata Corporation</b>			
Rev	Date	DCO No.	Design	Design	Name: PCB Assy.-P2H  Parts List  Drawing No.			
2	98.02.13	S06-0116	坂本 範誉	坂本 範誉				
				Check 小森 智裕				
				Approval 内田 敏博				

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Rev 2

Rev	NO.	Part NO.	Part Name	Q'ty.	Unit	Use	Notes	Drawing
29	C105, C107, C119, C240, C241	3024003K7471	HNY5P/DE07-1KV-471K CAP-Ceramic -P	5				
30	C113, C114, C117	3024203K2471	DE07/HCYB3F471 CAP-Ceramic -Z	3			FCC ID: BDBF21002A	
31	C112	302A4028K4471	DE1010B471K6K 6KV CAP-Ceramic -	1				
32	C101, C102, C106	3024003K6471	HLY5P/DD05-500V-471K CAP-Ceramic -P	3				
33	C103, C104, C108, C110, C111, C115, C237, C251, C300, C301, C311	3034003Z3104	MLRD/FK16Y5V1H104Z CAP-Ceramic -N	11				
34	C116	3034003Z3473	MLRD/FK16Y5V1H473Z CAP-Ceramic -N	1				
35	C118	3064003J2103	MY2A/CQMF-100V-103J CAP-Plast flm -P	1				
36	C302, C310	3064003J2472	CQMF/MY2A472J-T 100V CAP-Plast flm -P	2				
37	C236	3041003J1100	UVX/SME-63V-10uF 63V CAP-Alum(CE) -P	1				
38								
39	Q11, Q13	622A0003M0001	BCR1AM-12/MAC97-008 THY-Bi/Dir -	2				
40	Q12	620A0022M0008	CRO4AM-12 THY-Gate -	1				
41	Q21-Q23	602A1025M0006Y	2SC1815-Y TR-NPN/H-FREQ -	3				
42	Q15-Q17	602A1125M0039Y	2SC2235-Y TR-NPN/H-FREQ -	3				
43	Q10	602A1223M0039	2SC2752 TR-NPN/H-FREQ -	1				
44								
45	L10	3502003P0102	C-14576/SA-8506183 Coil-Choke -	1			U	
46								
47	T2-T4	YB4049-7078P003	HIGH VOLTAGE TRANSFORMER	3				4YB
48								
49	PS1-PS4	652A0103M0002	RPI-574/#9568 PHOTO-Coupler -	4			MW	
50								
51	CVSW	2071003P0001	SM05S/SS5GL13 Switch-Micro -	1			UMW	
52								
53	LED	6500003M0001	SEL3910D/204AD PHOTO-LED -	1				
54								

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Rev 2

		BT	AA Size	Relation Drawing code	2YU	Oki Data Corporation
Rev	Date	DCO No.		Design		
2	98.02.13	SQ6-0116		坂本 範登		PCB Assy. -P2H
				Check 小森 智裕		Parts List
				Approval 内田 隆雄		Drawing No.

Rev	NO.	Part NO.	Part Name	Q'ty.	Unit	Use	Notes	Drawing
55	CN1	224A4134P0230	23FE-BT-VK-N Connector-PCB -	1			U	
56	CN2	224A4407P0020	53254-0210 Connector-PCB -	1			U FCC ID: BDBF21002A	
57								
58	2 J1, J2, J40	TA-0.6	SHORT WIRE	3			L=55mm P=5.0	
59	J3, J4, J7-J12	TA-0.6	SHORT WIRE	8			L=55mm P=7.5	
60	J13-J21, J23- J27, J29-J36	TA-0.6	SHORT WIRE	22			L=55mm P=10.0	
61	J22	TA-0.6	SHORT WIRE	1			L=55mm P=12.5	
62								
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Rev 2

		BT	AA Size	Relation Drawing code	2YU	<b>Ok! Data Corporation</b>
Rev	Date	DCO No.		Design		Name: PCB Assy. -P2H
2	98.02.13	SQ6-0116		坂本 範誉		
	.			Check 小森 智裕		Parts List
	.			Approval 内田		Drawing No.

## 1.2. Circuit Diagram & Parts List

### 4) P6L Power Supply Board

(Sub High Voltage)

Rev	NO.	Part NO.	Part Name	Q'ty.	Unit	Use	Notes	Drawing
1	1	40386799	PCB-P6L	1			FCC ID: BDBF21002A	4PU
2								
3	D1, D8	6100003M0001	EU02A/RL105F-F D-Rectifying -Q	8			4KH-31051-102	
4	D2, D3, D9	610A0003M0002	DHM3FJ60/ESJA58-06 D-Rectifying -	12			4KH-31051-127	
5	D4	6320229M0003	ERZV05D391 SEMICO-Vari -	4				
6	D5, D6, D7	6320003M0001	ERZ/JVR-05N471 SEMICO-Vari -	12				
7								
8	R1, R4, R5, R6	3213420J0512	RD16U/VTJ5.1Kohm RES-Carbon flm-	16				
9	R2	321A1421J0105	RD1/4Y1MohmJ RES-Carbon flm-	4			4KH-31051-127	
10	R3	3263103K0107	MRH100MK/HV-38-100MK RES-MET solid -	4			U	
11								
12	C1, C4	3064003J2103	MY2A/CQMF-100V-103J CAP-Plast flm -P	8				
13	C2, C3, C5	3024203K2471	DE07/HCYB3F471 CAP-Ceramic -Z	12				
14	C6	3041003J1100	UVX/SME-63V-10uF 63V CAP-Alum(CE) -P	4				
15								
16	S1	TA-0.6	SHORT WIRE	4			L=32mm P=10.16mm	
17								
18	Q1, Q2	602A1125M0039Y	2SC2235-Y TR-NPN/H-FREQ -	8				
19								
20	T1, T2	YB4049-7078P003	HIGH VOLTAGE TRANSFO RMER	8				4YB
21								
22	CN1	2244101P0060	06FE-ST-VK-N Connector-PCB -	4			U	
23	CN2	2247000P0001	RT-01T-1.0B Connector-PCB -	4			U	
24								
25								
26								
27								
28								

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		AA Size	Relation Drawing code	2YU	<b>Oki Data Corporation</b>
Rev	Date	DCO No.	Design	Design 坂本 範誉	Name: PCB Assy. -P6L
				Check 小森 智裕	Parts List
				Approval 内田	Drawing No.

## 1.2. Circuit Diagram & Parts List

### 5) R51 Main Control Board

Rev	NO.	Part NO.	Part Name	Q'ty.	Unit	Use	Notes	Drawing
1	1	40590899	PCB-R51	1				4PU
2							FCC ID: BDBF21002A	
3	D504-D506, D514	611A0000N0001	SS100MA80VACP D-Signal -C	4				
4	D510-D512	611A0000N0002	SS100MA80VKCP D-Signal -C	3				
5	D503, D507, D508, D509, D515	611A0000N0003	SS100MA80VSCP D-Signal -C	5				
6	D502	613A0233M0092C	RD4.3M-B3 D-Zener -C	1				
7	D501, D513	6110225N0001	1SS392(TE85R) D-Signal -C	2			U	
8	R3	321A3420P0001	RD1/4YU0ohm RES-Carbon flm-	1				
9	R557	3235003F0102	CR/RK73H/ERJ/MCRF102 RES-MET RN -C	1			U	
10	R535, R560	3235003F0103	CR/RK73H/ERJ/MCRF103 RES-MET RN -C	2			U	
11	R513, R522, R533, R543, R574, R644	3235003F0104	CR/RK73H/ERJ/MCRF104 RES-MET RN -C	6			U	
12	R517, R534, R558, R600	3235003F0122	CR/RK73H/ERJ/MCRF122 RES-MET RN -C	4			U	
13	R518, R585	3235003F0123	CR/RK73H/ERJ/MCRF123 RES-MET RN -C	2			U	
14	R602	3235003F0163	CR/RK73H/ERJ/MCRF163 RES-MET RN -C	1			U	
15	R521, R532	3235003F0183	CR/RK73H/ERJ/MCRF183 RES-MET RN -C	2			U	
16	R504, R597, R598	3235003F0203	CR/RK73H/ERJ/MCRF203 RES-MET RN -C	3			U	
17	R544, R643	3235003F0204	CR/RK73H/ERJ/MCRF204 RES-MET RN -C	2			U	
18	R646, R647	3235003F0241	CR/RK73H/ERJ/MCRF241 RES-MET RN -C	2			U	
19	R501	3235003F0273	CR/RK73H/ERJ/MCRF273 RES-MET RN -C	1			U	
20	R586	3235003F0302	CR/RK73H/ERJ/MCRF302 RES-MET RN -C	1			U	
21	R661	3235003F0362	CR/RK73H/ERJ/MCRF362 RES-MET RN -C	1			U	
22	R583	3235003F0472	CR/RK73H/ERJ/MCRF472 RES-MET RN -C	1			U	
23	R584	3235003F0512	CR/RK73H/ERJ/MCRF512 RES-MET RN -C	1			U	
24	R512	3235003F0513	CR/RK73H/ERJ/MCRF513 RES-MET RN -C	1			U	
25	R599	3235003F0623	CR/RK73H/ERJ/MCRF623 RES-MET RN -C	1			U	
26	R645	3235003F0821	CR/RK73H/ERJ/MCRF821 RES-MET RN -C	1			U	
27	R502	3235003F0912	CR/RK73H/ERJ/MCRF912 RES-MET RN -C	1			U	

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Rev 4

		AA Size	Relation Drawing code		3YU	<b>Oki Data Corporation</b>	
Rev	Date	DCO No.	Design		Design	Name :	
2	97.12.04	SR7-0108	速藤 浩		速藤 浩	PCB Assy. -R51	
3	97.12.22	SR7-0109	速藤 浩		Check		
4	98.01.14	SR7-0110	速藤 浩		Approval	Parts List	
					花沢	Drawing No.	

Rev	NO.	Part NO.	Part Name	Q'ty.	Unit	Use	Notes	Drawing
28	R507, R508, R523, R524, R581, R582, R648, R662-R665	3235003J0100	CR/RK73K/ERJ/MCRJ100 RES-MET RN -C	11			U FCC ID: BDBF21002A	
29	R547, R570, R625	3235003J0101	CR/RK73K/ERJ/MCRJ101 RES-MET RN -C	3			U	
30	R65, R67, R509, R537, R624, R626, R635, R649	3235003J0102	CR/RK73K/ERJ/MCRJ102 RES-MET RN -C	8			U	
31	R59, R64, R66, R68, R551-R554, R561, R562, R564, R568, R569, R571, R572, R576, R627, R628, R660	3235003J0103	CR/RK73K/ERJ/MCRJ103 RES-MET RN -C	19			U	
32	R530, R531	3235003J0152	CR/RK73K/ERJ/MCRJ152 RES-MET RN -C	2			U	
33	R514, R589, R650-R657	3235003J0220	CR/RK73K/ERJ/MCRJ220 RES-MET RN -C	10			U	
34	R62, R519, R520, R525-R529, R550, R594, R595, R638	3235003J0221	CR/RK73K/ERJ/MCRJ221 RES-MET RN -C	12			U	
35	R580, R618-R622, R641	3235003J0222	CR/RK73K/ERJ/MCRJ222 RES-MET RN -C	7			U	
36	R516	3235003J0224	CR/RK73K/ERJ/MCRJ224 RES-MET RN -C	1			U	
37	R60, R61, R63	3235003J0301	CR/RK73K/ERJ/MCRJ301 RES-MET RN -C	3			U	
38	R515, R636	3235003J0331	CR/RK73K/ERJ/MCRJ331 RES-MET RN -C	2			U	
39	R610-R617, R623, R629, R630	3235003J0332	CR/RK73H/ERJ/MCRJ332 RES-MET RN -C	11			U	
40	R26, R27, R29-R33, R36, R70, R71, R590, R591, R658, R659	3235003J0470	CR/RK73K/ERJ/MCRJ470 RES-MET RN -C	14			U	
41	R542, R549, R578, R579, R587, R588	3235003J0472	CR/RK73K/ERJ/MCRJ472 RES-MET RN -C	6			U	
42	R563, R575, R577, R592, R593, R637, R640	3235003J0473	CR/RK73K/ERJ/MCRJ473 RES-MET RN -C	7			U	
43	R506, R510, R573	3235003J0474	CR/RK73K/ERJ/MCRJ474 RES-MET RN -C	3			U	
44	R503, R642	3235003J0683	CR/RK73K/ERJ/MCRJ683 RES-MET RN -C	2			U	
45	R556	3235003J0752	CR/RK73K/ERJ/MCRJ752 RES-MET RN -C	1			U	
46	R536, R596, R601	3235003J0822	CR/RK73K/ERJ/MCRJ822 RES-MET RN -C	3			U	

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		AA Size	Relation Drawing code	3YU	<b>Oki Data Corporation</b>	
Rev	Date	DCO No.	Design	Design	Name :	
2	97.12.04	SR7-0108	遠藤 浩	遠藤 浩	PCB Assy.-R51	
3	97.12.22	SR7-0109	遠藤 浩	Check	Parts List	
4	98.01.14	SR7-0110	遠藤 浩	Approval 花沢	Drawing No.	

Rev	NO.	Part NO.	Part Name	Q'ty.	Unit	Use	Notes	Drawing
47	R1, R2	324A1001J0109	MSF1/2B1ohmJ RES-MET OX -	2			4KH-31051-152	
48	R43, R44	324A1001J0209	MSF1/2B2ohmJ RES-MET OX -	2			4KH-31051-152	
49	R72, R505, R511, R603, R604, R608	3255003P0001	CR/RK73Z/ERJ/MCRJ-0V RES-Zero ohm -C	6			U	
FCC ID: BDBF21002A								
50	RM1-RM4	334A5012J0680	MNR14ABJ680 RES-Block -C	4				
51								
52	C549	3033003C0101	GRM/UMK/MCH/ 101CH CAP-Ceramic -C	1			U	
53	C545, C607, C627	3033003C0150	GRM/UMK/MCH/ 150CH CAP-Ceramic -C	3			U	
54	C559-C566, C572-C575, C577-C579, C599, C601-C603, C619	3036003K0102	GRM/UMK/MCH/ 102B CAP-Ceramic -C	20			U	
55	C502-C504, C547, C550, C551, C568-C571, C610, C616	3036003K0103	GRM/UMK/MCH/ 103B CAP-Ceramic -C	12			U	
56	C540-C542, C597, C598, C614	3036003K0332	GRM/UMK/MCH/ 332B CAP-Ceramic -C	6			U	
57	C38, C39, C505-C527, C529-C536, C538, C539, C543, C544, C552-C556, C581-C583, C585, C587-C589, C617, C621	3036003Z0104	GRM/TMK/MCH/104Z 25V CAP-Ceramic -C	51			U	
58	C605	303A3007C0120	CC2012CH1H120J 50V CAP-Ceramic -C	1				
59	C546, C576, C596, C615	303A3007C0391	CC2012CH1H391J 50V CAP-Ceramic -C	4				
60	C604	303A3007C0470	CC2012CH1H470J 50V CAP-Ceramic -C	1				
61	C594, C608	303A3007K0330	CC2012SL1H330J 50V CAP-Ceramic -C	2				
62	C611-C613	303A3007K0561	CC2012SL1H561J 50V CAP-Ceramic -C	3				
63	C591	303A6008K3222	CK2012B1H222K 50V CAP-Ceramic -C	1				
64	C590, C592, C593, C623	303A6008Z1105	CK2012F1C105Z 16V CAP-Ceramic -C 1uF	4				
65	C620	303A6008Z1474	CK2012F1C474Z 16V CAP-Ceramic -C	1				
66	C626	303A6008Z3104	CK2012F1H104Z 50V CAP-Ceramic -C	1				
67	C28-C30, C624	303A6008Z3223	CK2012F1H223Z 50V CAP-Ceramic -C	4				

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		AA Size	Relation Drawing code		3YU	<b>Okidata Corporation</b>
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2	97.12.04	SR7-0108	遠藤 浩		遠藤 浩	PCB Assy.-R51
3	97.12.22	SR7-0109	遠藤 浩		Check	Parts List
4	98.01.14	SR7-0110	遠藤 浩		Approval 花沢	
						Drawing No.

Rev	NO.	Part NO.	Part Name	Q'ty.	Unit	Use	Notes	Drawing
68	C31, C622, C625	303A6008Z3473	CK2012F1H473Z 50V CAP-Ceramic -C	3			FCC ID: BDBF21002A	
69	C4, C5, C16	3041103A1101	UVX/SME10VB-100-0A CAP-Alum(CE) -P	3			U	
70	C2, C3, C7, C9	3041103C1100	UVX/SME16VB-10-0A CAP-Alum(CE) -P	4			U	
71	C13	304A1046H1688	50MS5-0.68M 50V CAP-Alum(CE) -	1				
72	C1	304A1137A1332	UVS1A332MHA 10V CAP-Alum(CE) -	1				
73	C8, C37	304A1180H1470	KMG50VB-47M-FC 50V CAP-Alum(CE) - 47uF	2				
74								
75	IC20	700A0503N0007	74LS07FP Digital IC-BIP-S	1				
76	IC16	7024620N2001	MB87A138PFV-G Digital IC-MOS-F	1			U	
77	IC4	702A1703N0000	74HC00FP Digital IC-MOS-S	1				
78	IC17	702A1703N0004	74HC04FP Digital IC-MOS-S	1				
79	IC15	702A1703N0014	74HC14FP Digital IC-MOS-S	1				
80	IC10, IC14	702A1703N0126	74HC126FP Digital IC-MOS-S	2				
81	IC5	720A0028N0006	NJM386M Analog-BIPLIN -S	1				
82	IC12	720A0028N0039	NJM4558M Analog-BIPLIN -S	1				
83	IC13	720A0028N0113	NJM318E Analog-BIPLIN -S	1				
84	IC18	720A0523N0011	UPC393G2 Analog-BIPLIN -S	1				
85	IC7, IC9	720A1816N0001	MTD2005F Analog-BIPLIN -S	2				
86	IC1	720A4022N0008	M51953AFP Analog-BIPLIN -S	1				
87	IC11	731A0525N0001	TC4051BF Analog-MOS SW -S	1				
88	IC8	7320001N0002	LC89210-F07 Analog-MOSdata-F	1			U	
89	IC6	7320040N0001	SM6104S1 Analog-MOSdata-S	1			U	
90	RAM3	8020003N2604	514265JP-60 Memory-MOSDRAM-S	1			U	
91	RAM2	8020003N4613	5118160JP-60 Memory-MOSDRAM-S	1			U	
92	RAM1	804A0003N8302	62256LFP-7LL Memory-MOSSRAM-S	1				
93	FLS	8163621N0000	MBM29F800TA-70PFTN Memory-MOSEEPR-S	1			U	
94	IC2	8530433N0002	HG72C706H02FD CPU-MOS (ROM) -F	1			U	
95	IC3	855A0424F0034	MSM6242RS CPU-Interface -	1				

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		AA Size	Relation Drawing code	3YU	<b>Okidata Corporation</b>	
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2	97.12.04	SR7-0108	遠藤 浩	遠藤 浩	PCB Assy.-R51	
3	97.12.22	SR7-0109	遠藤 浩	Check	Parts List	
4	98.01.14	SR7-0110	遠藤 浩	Approval 花沢	Drawing No.	

Rev	NO.	Part NO.	Part Name	Q'ty.	Unit	Use	Notes	Drawing
96	LC3, LC4	342A1013K0330	MT-SL330KB COMP PAR-LC -	2				
97	LC1, LC2, LC5	342A1013N0223	MT-Y223NB COMP PAR-LC -	3			FCC ID: BDBF21002A	
98	TR509-TR512	600A1003N0003	A1344/UN2111/DTA114K TR-PNP/H FREQ -C	4				
99	TR501	600A1025M0017Y	2SA1162-Y TR-PNP/H FREQ -C	1				
100	TR507	600A1032N0010	2SA1338 TR-PNP/H FREQ -C	1				
101	TR26	600A1125M0011Y	2SA950-Y TR-PNP/H FREQ -	1			4LH-31420.	
102	TR502, TR503, TR513	602A1025M0033	2SC2712-Y/G TR-NPN/H-FREQ -C	3				
103	TR504, TR505, TR508	602A1035N0004	DTC124EK TR-NPN/H-FREQ -C	3				
104	TR506	602A1035N0019	DTC123YK TR-NPN/H-FREQ -C	1				
105	CN11	2201001P0360	57RE-40360-830B-D29 Connector-SQR -	1			U	
106	CN7	2244100P0120	12JQ-ST Connector-PCB -	1			U	
107	CN8	2244101P0060	06FE-ST-VK-N Connector-PCB -	1			U	
108	CN2	224A3357P0020	00-8263-0212-00-000 Connector-PCB -	1			UM	
109	CN1, CN13	224A3357P0040	00-8263-0412-00-000 Connector-PCB -	2			UM	
110	4 CN5	224A3531P0101	S10B-PH-K-S Connector-PCB -	1				
111	CN3	224A3531P0060	S6B-PH-K-S Connector-PCB -	1				
112	CN4	224A3531P0160	S16B-PH-K-S Connector-PCB -	1				
113	CN9	224A3535P0020	B2B-EH Connector-PCB -	1			M	
114	CN12	224A3590P0140	ZC-014 Connector-PCB -	1			UM	
115	CN6	224A4134P0230	23FE-BT-VK-N Connector-PCB -	1			?	
116	CN10	224A4325P0300	5-176135-4 Connector-PCB -	1			M	
117	X3	3805001B0001	MA-306-29.4912MHZ OSC-Crystal -C	1			UM	
118	X2	380A1201A0001	P-3-32.768KHZ OSC-Crystal -	1			MW	
119	X1	380A1308B1005	HC-49/U-S-20.000MHZ OSC-Crystal -	1				
120	BF501	105A5010C1002	BLM21A121S Core- -C	1				
121	BAT1	455A3027P0001	CR2430-FT6 BATT-Primary -	1			MW	
122	F501-F503	5402200S0102	431001 FUUSE -C	3			U	
123	2	LP-7134		1			L=20mm	4

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		AA Size	Relation Drawing code	3YU	<b>Oki Data Corporation</b>	
Rev	Date	DCO No.	Design	Design	Name:	
2	97.12.04	SR7-0108	速藤 浩	速藤 浩	PCB Assy.-R51	
3	97.12.22	SR7-0109	速藤 浩	Check	Parts List	
4	98.01.14	SR7-0110	速藤 浩	Approval 花沢	Drawing No.	

## 1.2. Circuit Diagram & Parts List

### 6) O4W Operation Board

Symbol	OKI Part No.	Description	Q'ty	Remarks
1	40071499	PCB-04W	1	
D1-D8	611A0003J0001	1S9953/1S2075K/1S2473 Signal DI	16	4KH-31051-102
L1	650A0128M0030	GL3HD8 LED	2	MW
L2-L7,L9	650A0228M0010	GL3HY8 LED	14	MW
R15	321A1421J0100	RD1/4Y10ΩJ RD Resistor	2	4KH-31051-127
R22-R25	321A1421J0101	RD1/4Y100ΩJ RD Resistor	8	4KH-31051-127
R1	321A1421J0151	RD1/4Y150ΩJ RD Resistor	2	4KH-31051-127
R4-R9,R11	321A1421J0221	RD1/4Y220ΩJ RD Resistor	14	4KH-31051-127
R2	321A1421J0102	RD1/4Y1kΩJ RD Resistor	2	4KH-31051-127
R10	321A1421J0472	RD1/4Y4.7kΩJ RD Resistor	2	4KH-31051-127
R12,R14,R19, R20,R21,R26	321A1421J0103	RD1/4Y10kΩJ RD Resistor	12	4KH-31051-127
R13,R16,R17, R18,R27	321A1421J0473	RD1/4Y47kΩJ RD Resistor	10	4KH-31051-127
R28	321A1421J0474	RD1/4Y470kΩJ RD Resistor	2	4KH-31051-127
RM1	334A3268J0103	MRM-8-103JA Block Resistor	2	1/8
C37,C39	302A4011K3101	DD104B101K50V CK Capacitor	4	50V 100pF
C5,C38	302A4011K3221	DD104B221K50V CK Capacitor	4	50V 220pF
C22,C23,C50	303A4115M3471	CK92C1H471MS CK Capacitor	6	50V 470pF
C33-C35	303A4115M3102	CK92C1H102MS CK Capacitor	6	50V 0.001uF
C36	303A4115M3472	CK92C1H472MS CK Capacitor	2	50V 0.0047uF
C2,C3,C25, C30,C31,C32	302A7009Z2104	DD306-63F104Z25 CG Capacitor	12	25V 0.1uF
C4,C24	303A4117Z3474	CK92F1H474ZS CK Capacitor	4	50V 0.47uF
C40	304A1046H1688	50MS5-0.68M CE Capacitor	2	50V 0.68uF

Title: PCB Assy. -04W

DRW No. : 40071401BT - 1/2

