

CITIZEN

Service Manual

Model : iDP-3540/3541

Rev.	Issued	

Japan CBM Corporation
Information Systems Div.

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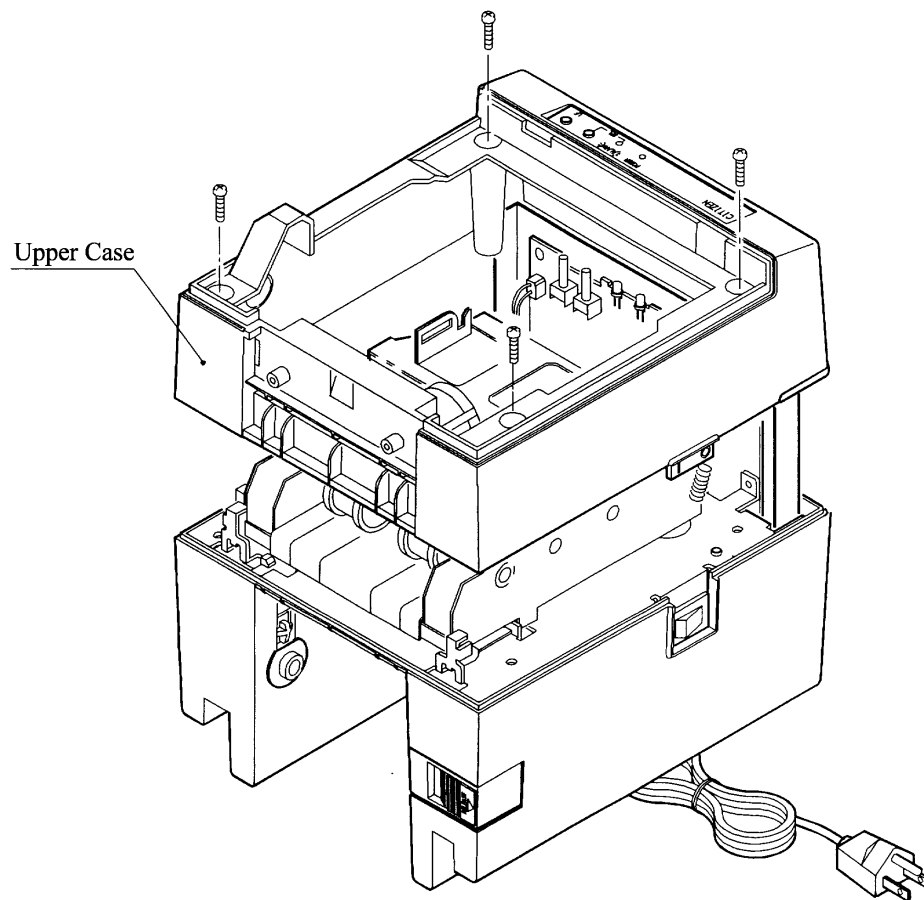
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3. Circuit Diagram 34

1. Disassembly and Assembly

1. How to remove the Upper Cover

- 1) Remove the Printer Cover
- 2) Unfasten 4 screws as shown in the figure and lift the Upper Cover



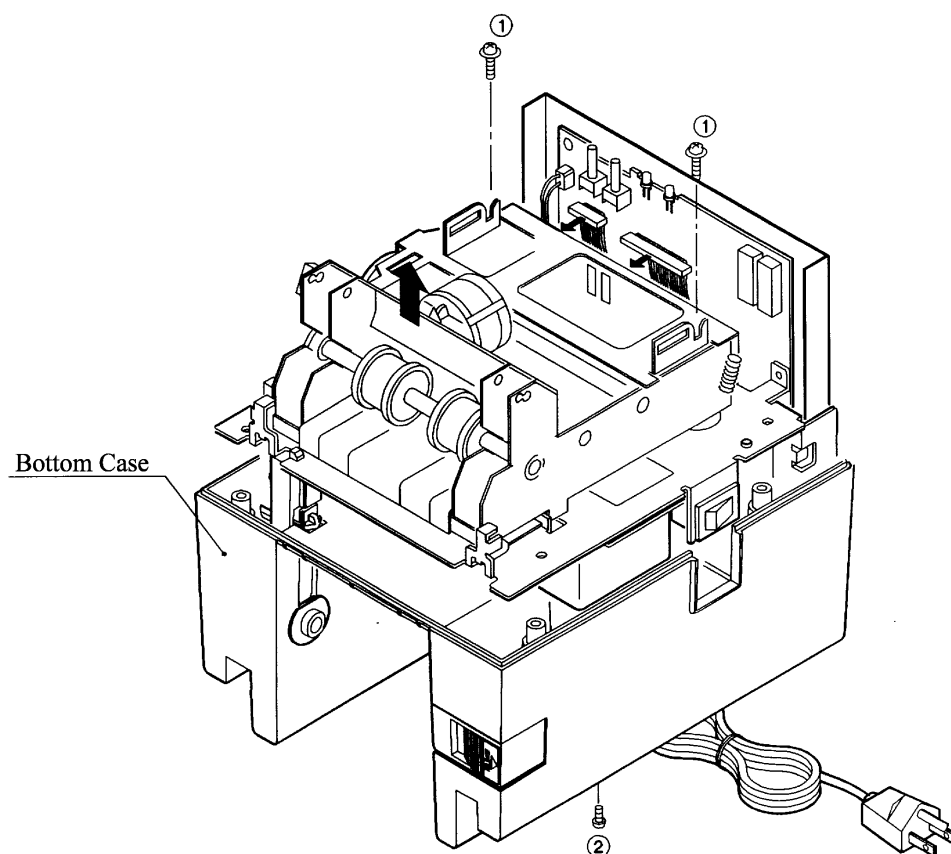
2. How to remove the Printer Mechanism and the Printer Unit

2-1. How to remove the Printer Mechanism

- 1) Remove the Printer Cover
- 2) Remove the Upper Cover
- 3) Disconnect each connectors
- 4) Unfasten 2 screws as shown in the figure
- 5) Lift the Printer Mechanism in the arrow position for removal

2-2. How to remove the Printer Unit

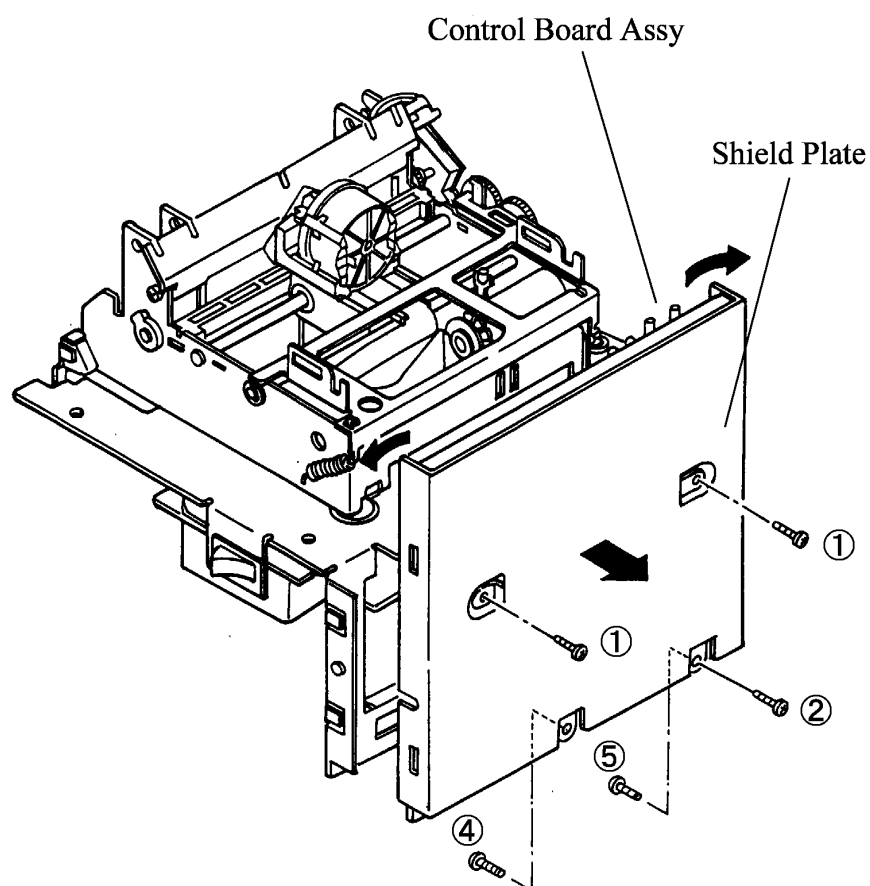
- 1) Remove the Printer Cover
- 2) Remove the Upper Cover
- 3) Disconnect each connectors
- 4) Remove the AC Cord from the Bottom Case
- 5) Unfasten a screw as shown in the figure
- 6) Lift the Printer Unit in the arrow position removal



3. How to remove the Control Board

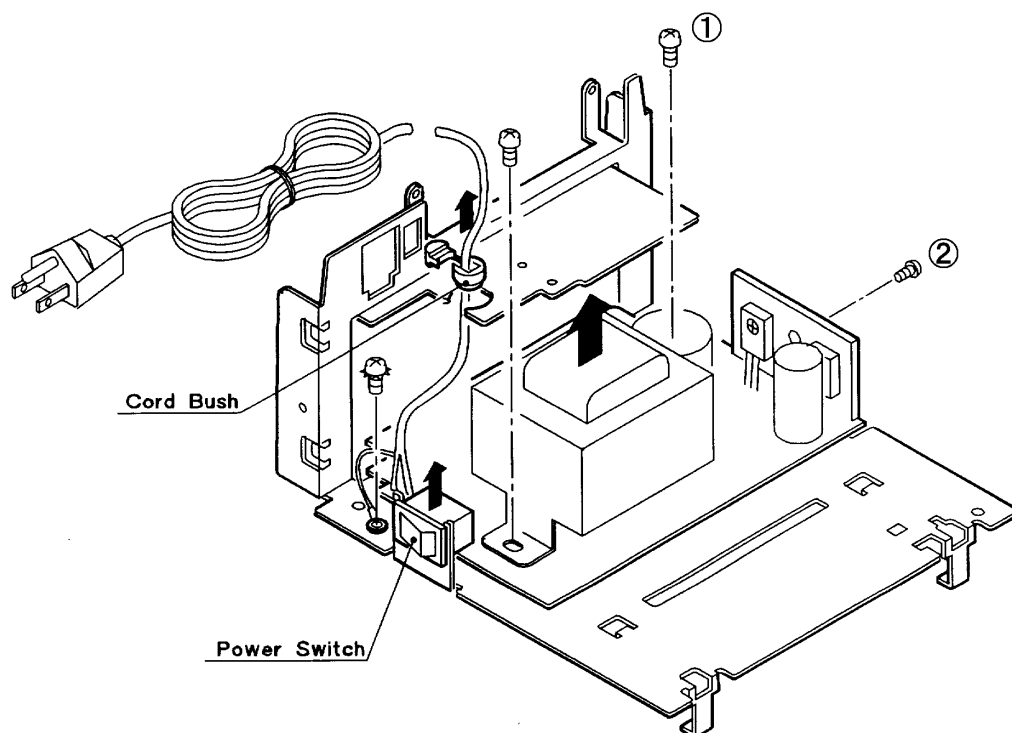
- 1) Remove the Printer Cover
- 2) Disconnect each connectors
- 3) Unfasten 2 screws on the Shield Plate mounting screw to remove the Shield Plate

- Serial Interface Board
 - 1) Unfasten 2 screws to remove the interface board
- Parallel Interface Board
 - 1) Unfasten 2 screws to remove the interface board



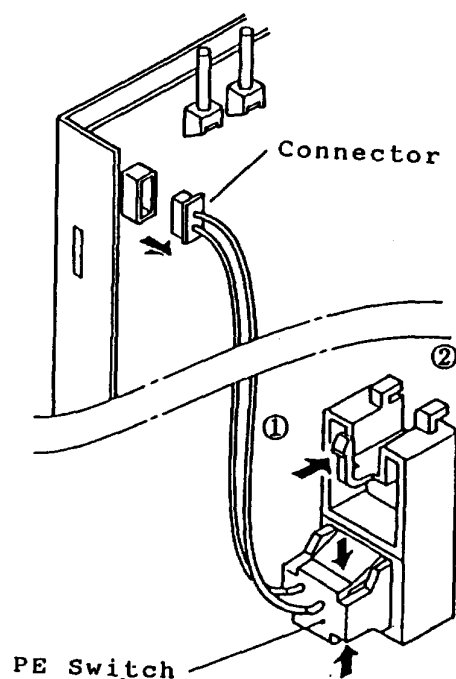
4. How to remove the Power Supply Unit

- 1) Remove the Printer Unit and the Control Board
- 2) Remove the AC Cord from the Chassis
- 3) Unfasten the 2 screws called the Power Supply mounting screws
- 4) Unfasten the screw called the Head Sink mounting screw
- 5) Lift up the Power Switch during lifting up the Power Supply Unit above, then you can remove the Power Supply Unit



5. How to remove the PE Switch

- 1) Remove the Printer Unit and the Printer Mechanism
- 2) Remove the connector from the Control Board
- 3) Push the jointing parts in the direction of the arrow and remove the jointing parts from the Chassis.
- 4) Push the upper side and lower side of jointing parts in the direction of the arrow.



2. Parts List

PARTS LIST
EXPLODED VIEW

iDP3540 / 3541-PF / RF / XF

Symbol	Parts No.	Description	Q'ty	iDP3540	iDP3541
1	E 4002-370	Chassis	1	<-	<-
2	E 4002-320	Stand, Transformer	1	<-	<-
3	E 6601-220	Printer Support	2	<-	<-
4	E 4035-640	Plate, Ground	1	<-	<-
7	E 4000-840	P.S. Assy 120V Only	<1>		
	E 4000-830	P.S. Assy 220-240V Only	<1>		
13	E 4002-310	Plate, Shield	1	<-	<-
14		Main Control Board Unit	<1>		
17	E 5117-020	Holder, PE Switch	1	<-	<-
18	E 5102-440	Assy, PE Switch	1	<-	<-
18-1	E 5071-070	Key Top, PE Switch	1	<-	<-
-2	E 5102-440	Key Switch SKCCAD	1	<-	<-
-3	E 48000300	Harness, PE Sensor	1		
20	E 62010360	Case, Top	1	<-	<-
21	E 5200-100	OP Sheet	1	<-	<-
24-1	E 6202-870	Case, Bottom	1	<-	<-
-2	E 6611-330	Holder, Paper	1	<-	<-
-3	E 6612-040	Spring, Paper Holder	1	<-	<-
-4	E 6302-240	Foot	2	<-	<-
32	E 6204-730	Printer Cover	1	<-	
33	E 6220-130	Paper Cutter	1	<-	
34	E 6204-800	Printer Cover	1		<-
40	E 6101-120	Cord Bush SR5N4 120V Only	1	<-	<-
	E 6101-115	Cord Bush SR5N4 220-240V Only	1	<-	<-
43	E 6600-880	Printer DP-610MFC	<1>		
	E 6600-890	Printer DP-612MFC	<1>		
	E 6600-900	Printer DP-614MFC	<1>		

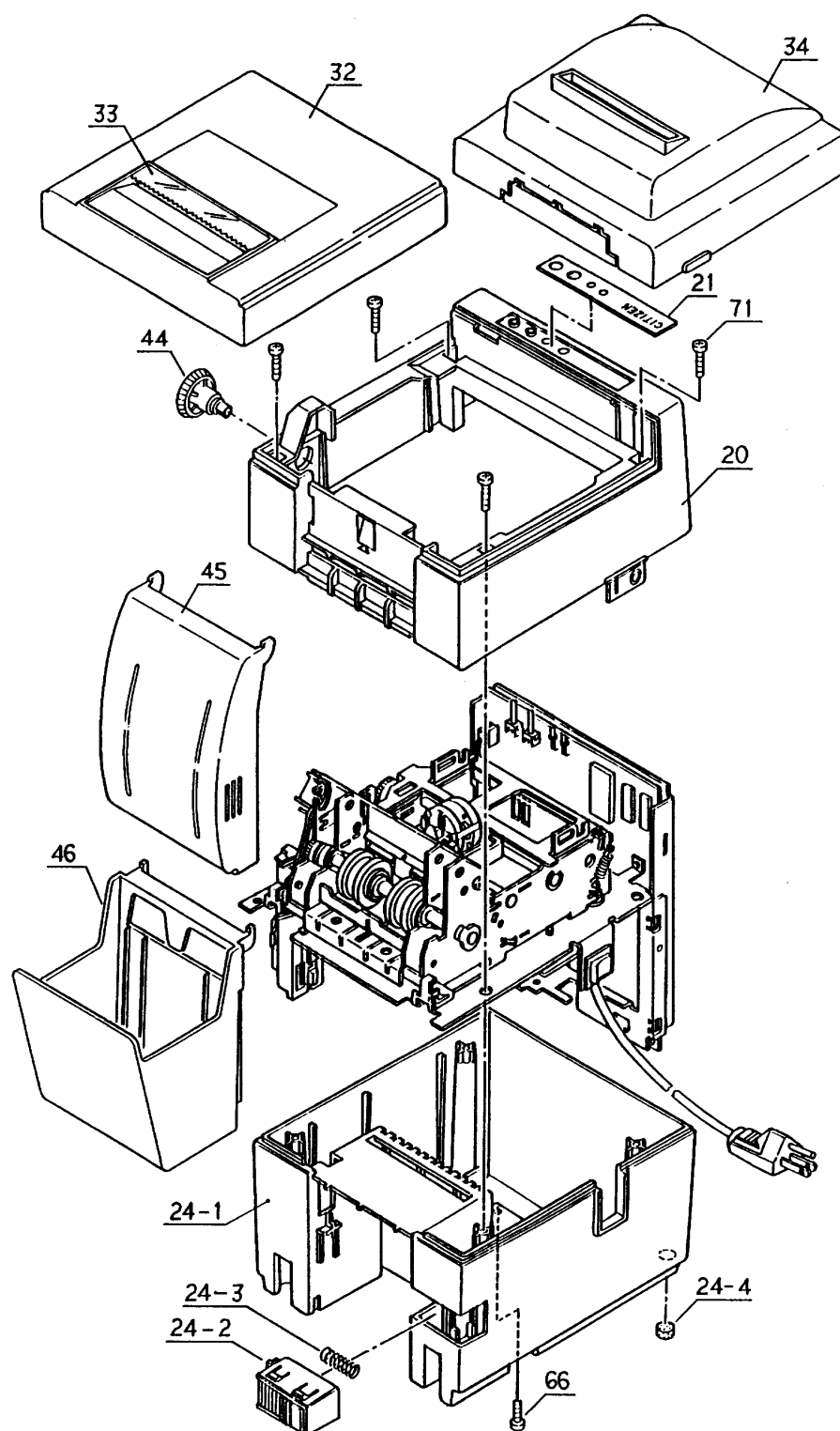
PARTS LIST

EXPLODED VIEW

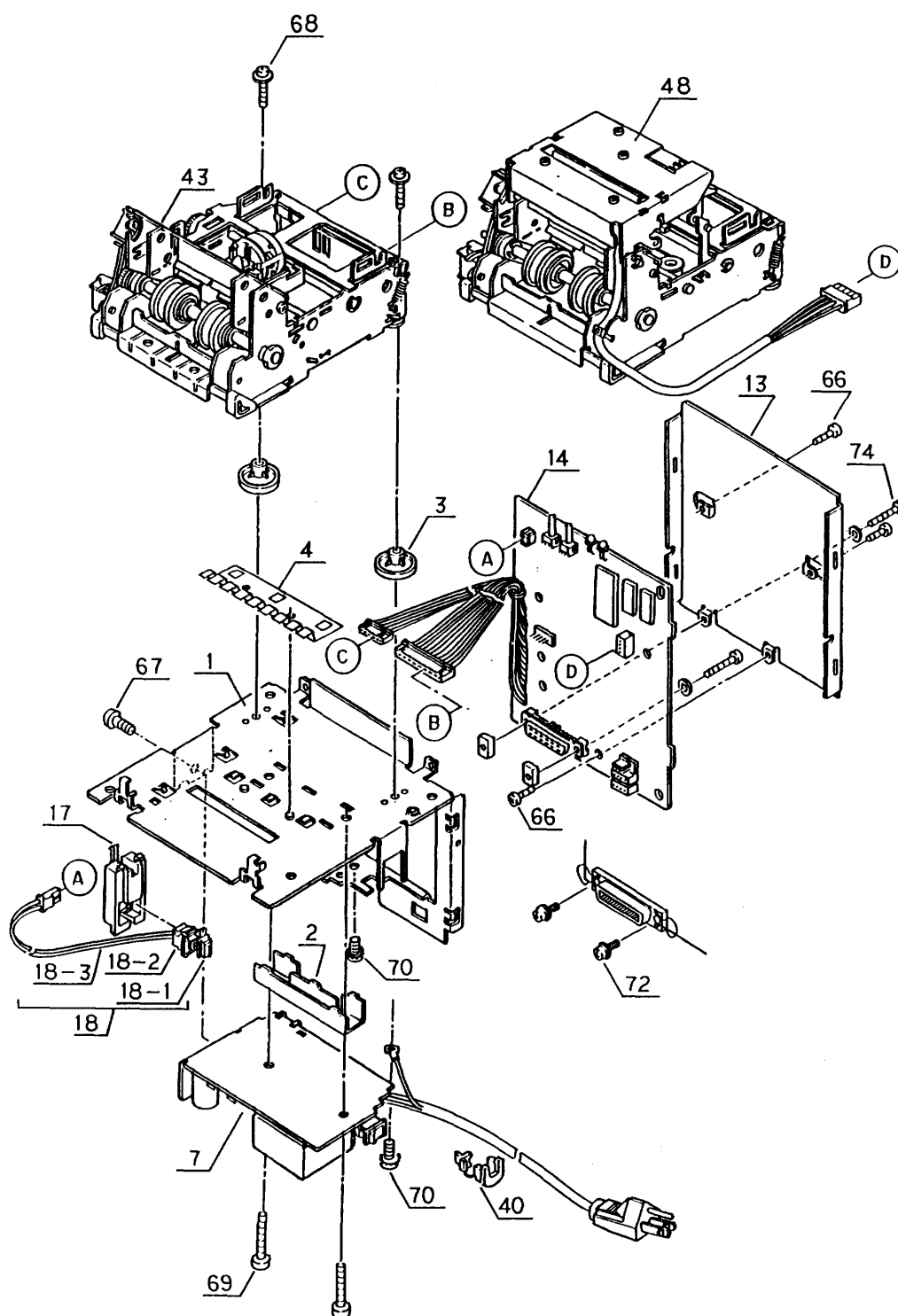
iDP3540 / 3541-PF / RF / XF

Symbol	Parts No.	Description Q'ty			iDP3540	iDP3541
	E 6600-	Printer	DP-610DFC	<1>		
	E 6600-	Printer	DP-612DFC	<1>		
	E 6600-	Printer	DP-614DFC	<1>		
	E 6600-	Printer	DP-610MPC	<1>		
	E 6600-	Printer	DP-612MPC	<1>		
	E 6600-	Printer	DP-614MPC	<1>		
	E 6600-	Printer	DP-610DPC	<1>		
	E 6600-	Printer	DP-612DPC	<1>		
	E 6600-	Printer	DP-614DPC	<1>		
44	T 6192-01*	Knob		1	<-	<-
45	E 6310-010	Rear Cover		1	<-	<-
48	AC-2	Auto Cutter		1		<-
66	ST1P 3×6	Screw	M3 × 6	3	<-	<-
67	BT1P 3×8	Screw	M3 × 8		<-	<-
68	ST1N3×14-8	Screw	M3 × 14 D = 8	2	<-	<-
69	ST1P 4×20	Screw	M4 × 20	2	<-	<-
70	SMP 4×6	Screw	M4 × 6 TW Sems	2	<-	<-
71	BT1P 3×14	Screw	M3 × 14		<-	<-
72	STP 3×12	Screw	M3 × 12	2	<-	<-
74	SMP 3×8	Screw	M3 × 8	1	<-	<-

iDP-3540/3541 (1)



iDP-3540/3541 (2)



PARTS LIST

POWER SUPPLY UNIT

iDP3540 / 3541-PF / RF / XF

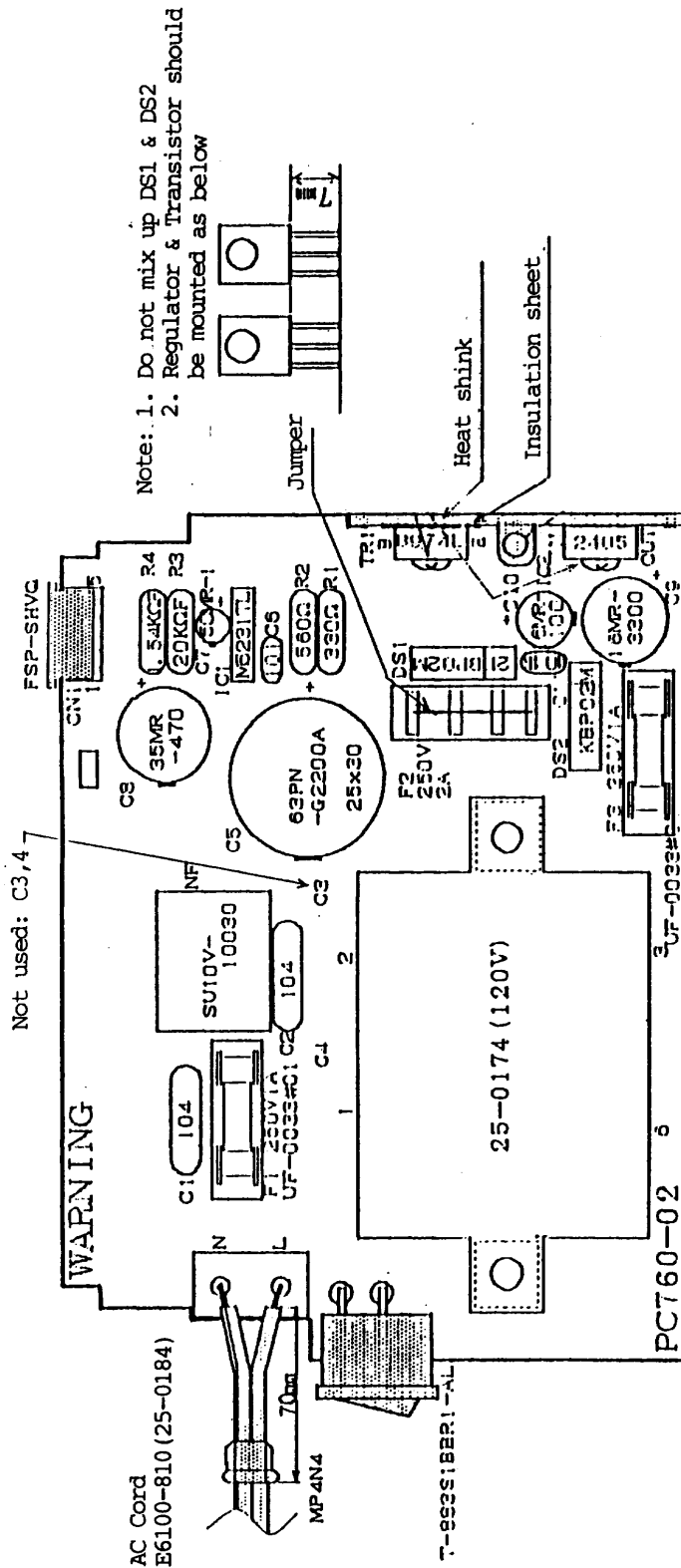
Symbol	Parts No.	Description	Q'ty	120V	220-240V
	1	PC Board			
	2	E 4006-220 Fuse Holder UF-0033#01	4	<-	<-
F 1, 3	E 4005-475	Fuse 5MF1	2	<-	
	1	E 4005-470 Fuse EAWK 500mA	1		<-
	3	E 4005-550 Fuse EAK-1A	1		<-
	3	E 4010-370 Heatsink	1	<-	<-
CN	1	E 48000335 Connector F5P-SHVQ	1	<-	<-
	5	E 4014-230 Terminal GSK801 / 2-bDS	1		<-
S	1	E 4003-540 Power Switch T883S1BBR1-U	1	<-	<-
	4	E 40190150 Insulation Sheet 2076A-5051	1	<-	<-
IC	1	E 390-150 Regulator M5231TL	1	<-	<-
	2	E 390-160 Regulator uPC2405HF	1	<-	<-
DS	1	E 450-320 Re. Diode 2KBP02	1	<-	<-
	2	E 450-330 Re. Diode KBP02	1	<-	<-
TR	1	E 324-010 Transistor 2SB974L	1	<-	<-
C	1, 2	E 2310-010 F. Cap. CFX22E104M	2	<-	<-
	5	E 2022-790 El. Cap. 63PN-G2200A	1	<-	<-
	6	E 2110-820 C. Cap. DD003-298b101K50	1	<-	<-
	7	E 2010-080 El. Cap. 1uF / 50	1	<-	<-
	8	E 2047-730 El. Cap. 470uF / 35	1	<-	<-
	9	E 2033-740 El. Cap. 3300uF / 16	1	<-	<-
	10	E 2010-725 El. Cap. 100uF / 25	1		<-
	11	E 2310-210 My. Cap. DYM21H104K	1	<-	<-

PARTS LIST

POWER SUPPLY UNIT

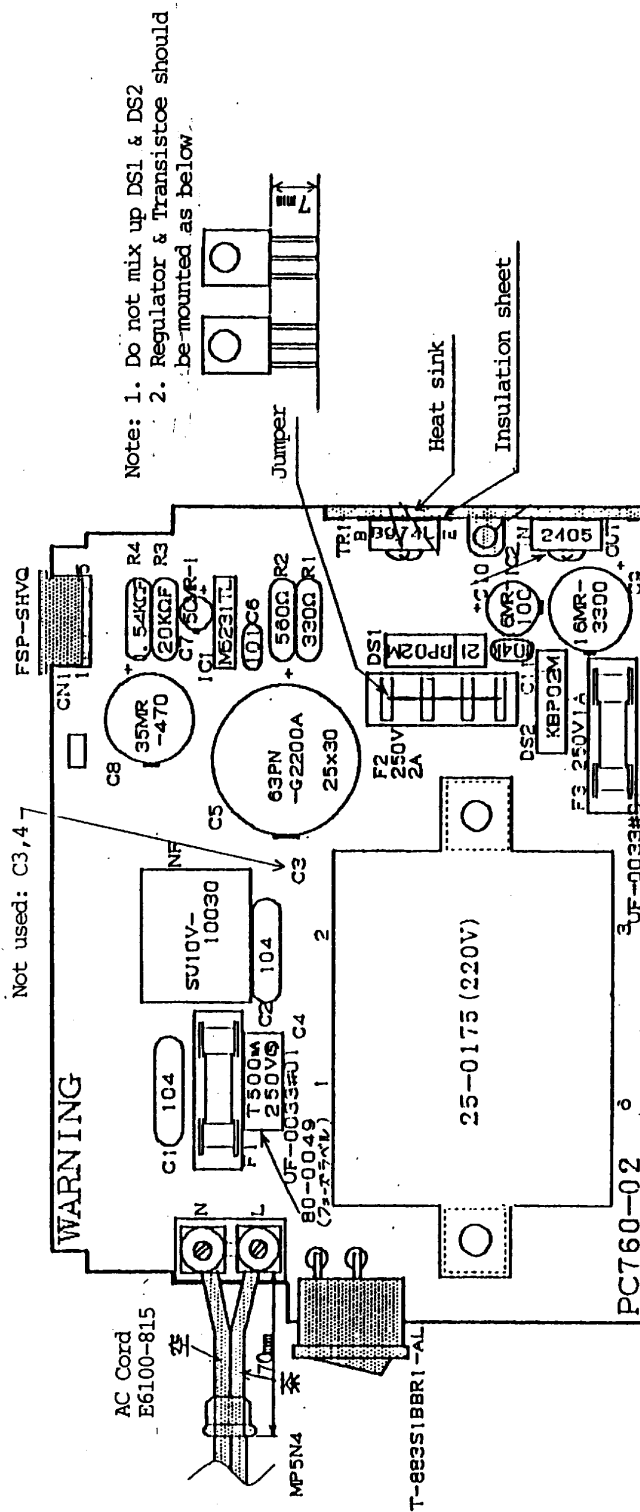
iDP3540 / 3541-PF / RF / XF

Symbol	Parts No.	Description	Q'ty	120V	220-240V
R	1 E 3331-041	Resistor 1 / 4W 330 J	1	<-	<-
	2 E 3561-041	Resistor 1 / 4W 560 J	1	<-	<-
	3 E 3223-100	Resistor RN14S 20K F	1	<-	<-
	4 E 3152-030	Resistor RN14S 1.54K F	1	<-	<-
	5 E 6100-585	Power Cord 25-0185	1		<-
	E 6100-580	Power Cord 25-0184	1	<-	
	7 E 4001-815	Power Trans. 25-0175 (50 / 60Hz)	1		<-
	E 4001-810	Power Trans. 25-0174 (50 / 60Hz)	1	<-	
NF	E 4009-340	Noise Filter SU10V-100CC30	1	<-	<-
	8 BT1P 3 × 8	Screw M3 × 8	3	<-	<-

[illegible]

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THIRD ANGLE



TREATMENT		MATERIAL		$t =$ $\phi =$	MARK	DATE	REVISION	REV. No.
TOLERANCE		MODEL		QTY	TITLE			
DIMENSION		$127.330, 2540$			PARTS POSITION			
					POWER SUPPLY UNIT FOR 220V			
SCALE	UNIT	APPROVED	CHECKED	DESIGNED	DRAWN	PARTS No.		
	inch mm					90-0144		

Japan CBM Corporation

THIRD ANGLE

PARTS LIST

MAIN CONTROL BOARD UNIT

iDP3540-PF / RF / XF

Symbol	Parts No.	Description	Q'ty	iDP3540 -PF	iDP3540 -RF	iDP3540 -XF
1		PC Board		<-	<-	
	E 4002-360	Blind Plate	1			<-
2	E 4010-360	Heatsink	1	<-	<-	
		PC Board				<-
3	E 48000285	D-Sub Connector Holder FCN-770A68	1		<-	
	E 9901-010	IC Socket DILB28P-8J	1	<-		
	E 4010-360	Heatsink	1			<-
4	E 9901-010	IC Socket DILB28P-8J	1		<-	
	E 4002-350	Shield Plate	1	<-		
	E 48000285	D-Sub Connector Holder FCN-770A68	1			<-
5	E 4002-350	Shield Plate	1		<-	
	E 48000335	Cord Assy MMH5395-26-170-17	1	<-		
	E 9901-010	IC Socket DILB28P-8J	1			<-
6	E 48000335	Cord Assy MMH5395-26-170-17	1		<-	
	E 48000340	Cord Assy MMH5395-26-170-7	1	<-		
	E 4002-350	Shield Plate	1			<-
7	E 48000340	Cord Assy MMH5395-26-170-7	1		<-	
	E 4013-100	Cable Binder SKB-80	1	<-		
	E 48000335	Cord Assy MMH5395-26-170-17	1			<-
8	E 4013-100	Cable Binder SKB-80	1		<-	
	ST1P 3 × 12	Screw M3 × 12	2	<-		
	E 48000340	Cord Assy MMH5395-26-170-7	1			<-
9	ST1P 3 × 6	Screw M3 × 6	1		<-	
	SMP 3 × 8	Screw M3 × 8	2	<-		
	E 4013-100	Cable Binder SKB-80	1			<-
10	SMP 3 × 8	Screw M3 × 8	2	<-	<-	
	ST1P 3 × 6	Screw M3 × 6	2			<-
11	N 3-1	Nut M3	2	<-	<-	
	SMP 3 × 8	Screw M3 × 8	2			<-
12	N 3-1	Nut M3	2			<-

PARTS LIST

MAIN CONTROL BOARD UNIT

iDP3540-PF / RF / XF

Symbol	Parts No.	Description	Q'ty	iDP3540 -PF	iDP3540 -RF	iDP3540 -XF
X 2	E 501-150	X'tal SA7.37MT40	1	<-	<-	<-
CN 1	E 48000260	Connector B5P-SHF-1	1	<-	<-	<-
2	E 4800-690	Connector 5267-02A	1	<-	<-	<-
3, 6, 7	E 48000265	Connector 5054-04A	3	<-	<-	<-
4	E 48000270	Connector FCN-684J036-L / U	1	<-		
	E 48000280	D-Sub Connector FCN-674J025-L / C	1		<-	
8	E 48000285	D-Sub Connenyot Holder FCN-770A68	1			<-
BZ	E 7151-120	Buzzer MEB-12-5	1	<-	<-	<-
S 1, 2	E 5102-450	Key Switch SKHHNH	2	<-	<-	<-
3	E 5104-340	Slide Switch MMS-A-2-2N	1		<-	<-
DS 1	E 5103-400	Dip Switch SCS-08A	1	<-		
1, 2	E 5103-400	Dip Switch SCS-08A	2		<-	<-
IC 1	E 104-200	LSI M50734SP	1	<-	<-	<-
2	E 104-340	LSI 27C128-20J	1	<-	<-	<-
3	E 104-330	LSI MB8464A-15LP	1	<-	<-	<-
4	E 201-811	TTL HD74LS373P	1	<-	<-	<-
5, 14	E 201-821	TTL HD74LS240P	2	<-		
5	E 201-821	TTL HD74LS240P	1		<-	<-
6	E 2010231	TTL HD74LS375P	1	<-	<-	<-
7	E 201-831	TTL HD74LS139P	1	<-	<-	<-
8, 9	E 201-611	TTL HD74LS04P	2	<-	<-	<-
10	E 201-720	TTL HD74LS27P	1	<-	<-	<-
11	E 202-610	IC UPC393C	1	<-	<-	<-
12, 13	E 201-611	TTL HD7406P	2	<-		
12	E 2010201	TTL HD7406P	1		<-	<-
13, 14	E 2010040	IC MAX232CPE	2		<-	<-
13	E 202-720	IC SN751177BP	1			

PARTS LIST

MAIN CONTROL BOARD UNIT

iDP3540-PF / RF / XF

Symbol	Parts No.	Description	Q'ty	iDP3540 -PF	iDP3540 -RF	iDP3540 -XF
ZD 1	E 403-061	Zener Diode RD3.OEL1	1	<-	<-	<-
D 5, 7	E 400-041	Diode 1S2076	3		<-	
LED1, 2	E 480-290	LED SEL2310G	2	<-	<-	<-
TR 1	E 319-117	Transistor 2SA1175 (HF)	1	<-	<-	<-
2-4	E 359-040	Transistor KSC945C (Y)	4	<-		<-
13						
2-4	E 359-040	Transistor KSC945C (Y)	6		<-	
13-15						
TA 1	E 390-100	Tr. Array HA13408	1	<-	<-	<-
2, 3	E 390-140	Tr. Array STA301A	2	<-	<-	<-
P 1	E 391-080	Photo Coupler PC837	1		<-	
C 1	E 2001-650	El. Cap. 1uF / 50	1	<-	<-	<-
2	E 2310-220	My. Cap. DMY21H473K	1	<-	<-	<-
3	E 2047-300	El. Cap. FS0H4732	1	<-	<-	<-
4, 5, 27	E 2147-090	C. Cap. DD003-298B471K50	3	<-		
4, 5	E 2147-090	C. Cap. DD003-298B471K50	2		<-	<-
6, 7	E 2110-800	C. Cap. DD107RH101J50	2	<-	<-	<-
8, 9, 11	E 2110-810	C. Cap. DD003-298B102K50	5	<-		<-
12, 15						
8, 9, 11	E 2110-810	C. Cap. DD003-298B102K50	6		<-	
12, 15						
34						
10, 14	E 2110-815	C. Cap. DD003-298F103Z50	2	<-	<-	<-
16	E 2110-805	C. Cap. DD306-979F104Z25	9	<-		
19-26						
16	E 2110-805	C. Cap. DD306-979F104Z25	8		<-	
19-25						

PARTS LIST

MAIN CONTROL BOARD UNIT

iDP3540-PF / RF / XF

Symbol	Parts No.	Description	Q'ty	iDP3540 -PF	iDP3540 -RF	iDP3540 -XF
C 16	E 2110-805	C. Cap. DD306-979F104Z25	9			<-
19-25						
28						
17	E 2010-725	El. Cap. 100uF / 25	1	<-	<-	<-
18	E 2047-630	El. Cap. 47uF / 35	1	<-	<-	<-
26	E 2010-650	El. Cap. 10uF / 50	1		<-	
26, 27	E 2110-820	C. Cap. DD306-298B101K50	2			<-
27, 28	E 2047-620	El. Cap. 47uF / 25	2		<-	
28	E 2122-030	C. Cap. DD306-298B101K50	1	<-		
29-32	E 2022-650	El. Cap. 22uF / 50	4		<-	
33	E 2122-030	C. Cap. DD306-298B101K50	1		<-	
R 1	E 3152-120	Me. Re. RN14S 1.5K F	1	<-	<-	<-
2	E 3272-100	Me. Re. RN14S 2.7K F	1	<-	<-	<-
3, 33	E 3102-041	Re. 1 / 4W 1 K J	3	<-		<-
35						
3, 33	E 3102-041	Re. 1 / 4W 1 K J	4		<-	
35, 41						
4	E 3222-041	Re. 1 / 4W 2.2K J	1	<-	<-	<-
5, 7, 14	E 3332-041	Re. 1 / 4W 3.3K J	7	<-		
15, 34						
36, 37						
5, 7, 14	E 3332-041	Re. 1 / 4W 3.3K J	8		<-	
15, 34						
36, 37						
39						
5, 7, 14	E 3332-041	Re. 1 / 4W 3.3K J	9			<-
15, 34						
36, 37						
38, 39						
6	E 3473-041	Re. 1 / 4W 47 K J	1	<-	<-	
6	E 3473-041	Re. 1 / 4W 47 K J	3			<-
44, 45						
8, 13	E 3101-041	Re. 1 / 4W 100 J	2	<-		<-
8, 13	E 3101-041	Re. 1 / 4W 100 J	4		<-	
42, 43						
9, 11	E 3103-041	Re. 1 / 4W 10 K J	2	<-	<-	<-
10	E 3623-041	Re. 1 / 4W 62 K J	1	<-	<-	<-

PARTS LIST

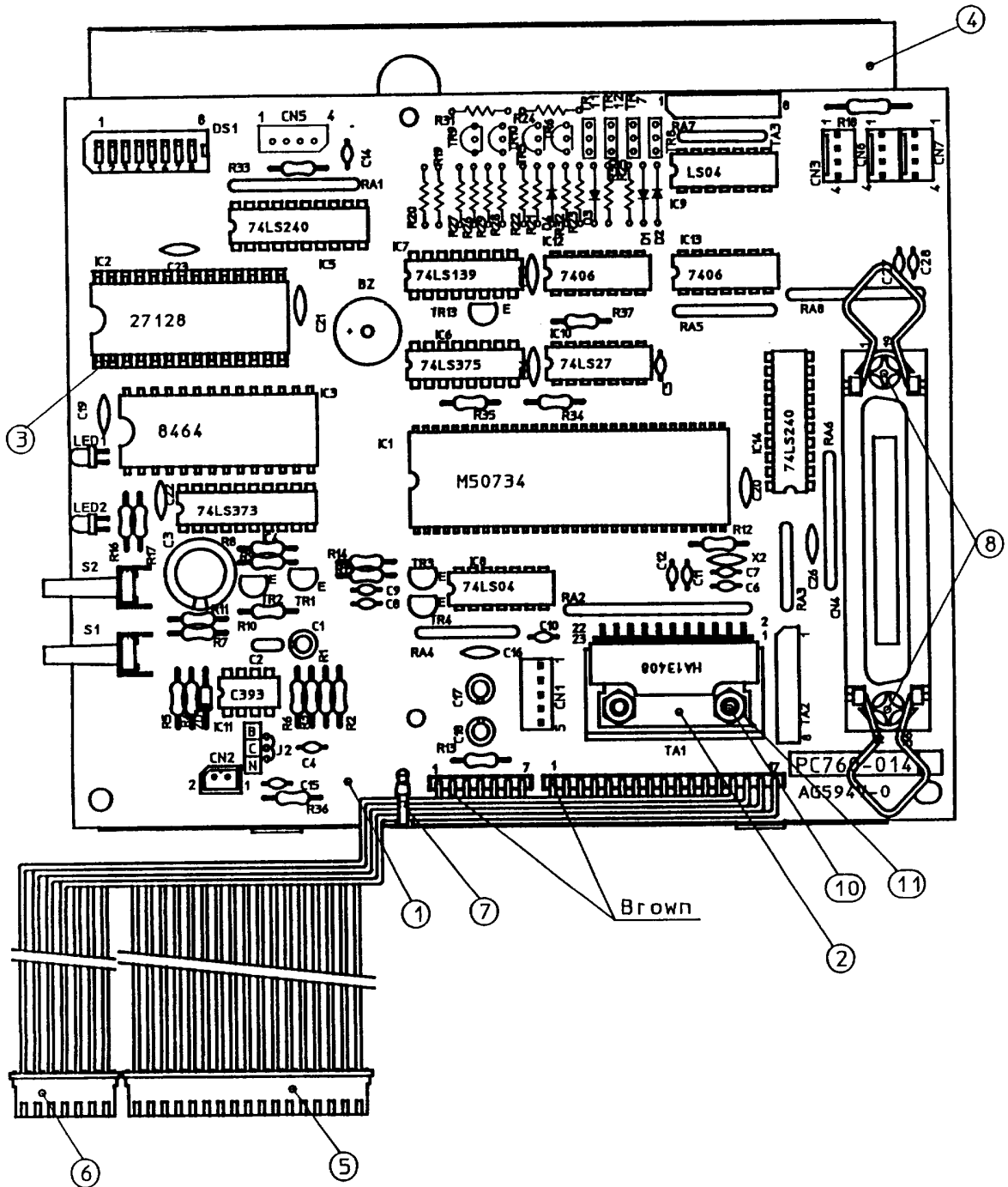
MAIN CONTROL BOARD UNIT

iDP3540-PF / RF / XF

Symbol	Parts No.	Description	Q'ty	iDP3540 -PF	iDP3540 -RF	iDP3540 -XF
R 12	E 3105-041	Re. 1 / 4W 1 M J	1	<-	<-	<-
16, 17	E 3331-041	Re. 1 / 4W 330 J	2	<-	<-	<-
18	E 3152-020	Me. Re. RSMF 1B 1.5 J	1	<-	<-	<-
38, 40	E 3221-041	Re. 1 / 4W 220 J	2		<-	
40, 41	E 3100-041	Re. 1 / 4W 10 J	2			<-
42, 43	E 3472-041	Re. 1 / 4W 4.7K J	2			<-
RA 1	E 3103-130	Re. Array RGLD 8 × 103J	1	<-		
1, 5	E 3103-130	Re. Array RGLD 8 × 103J	2		<-	<-
2	E 3103-180	Re. Array RGLD 12 × 103J	1	<-	<-	<-
3, 7	E 3101-120	Re. Array RGLD 3Y102J	2	<-	<-	<-
4	E 3101-130	Re. Array RGLD 6 × 102J	1	<-	<-	<-
5	E 3103-190	Re. Array RGLD 6 × 103J	1	<-		
6, 8	E 3322-070	Re. Array RGLD 8 × 332J	2	<-		
6	E 3322-070	Re. Array RGLD 8 × 332J	1		<-	

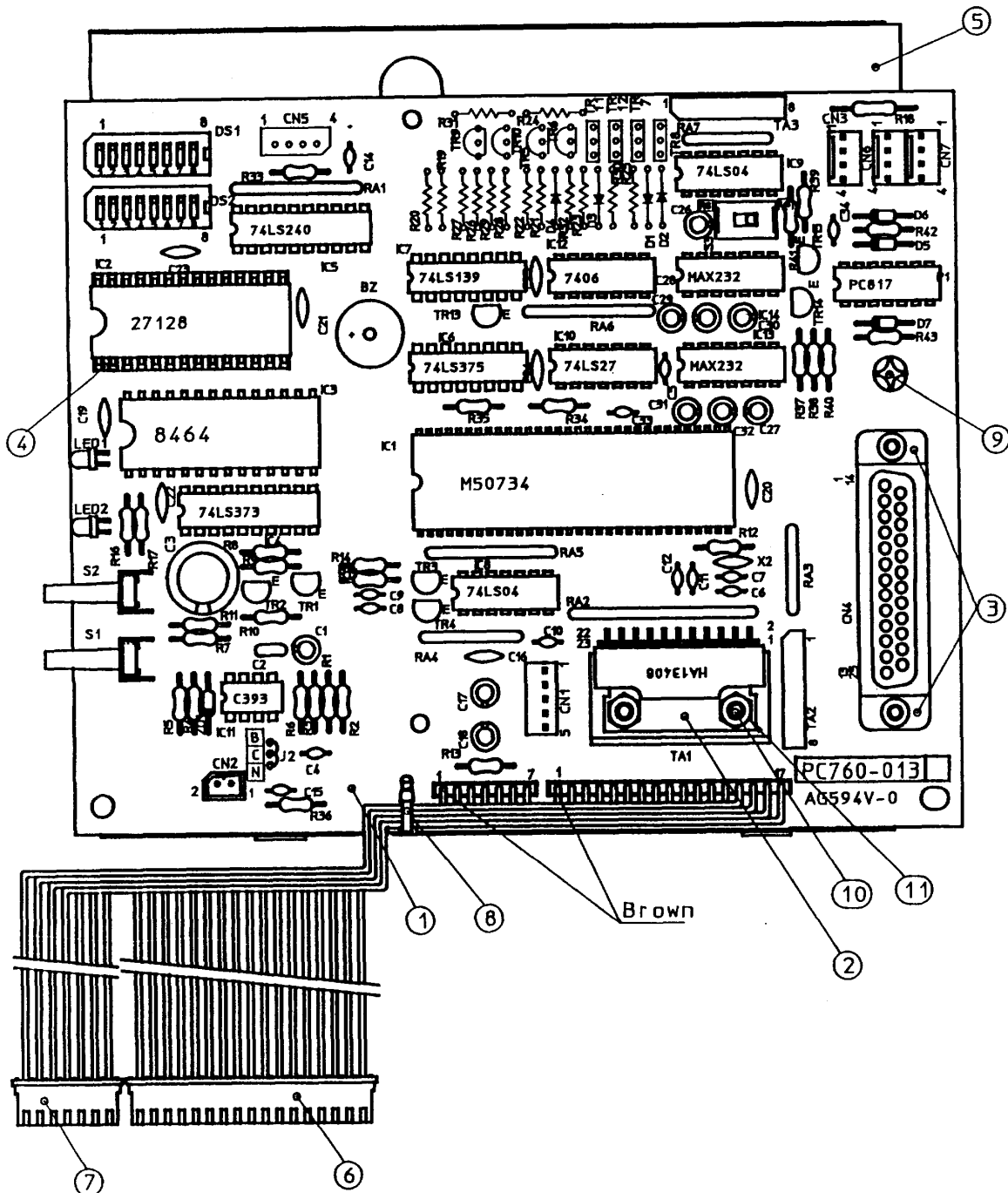
iDP3540

Parallel Control PCB



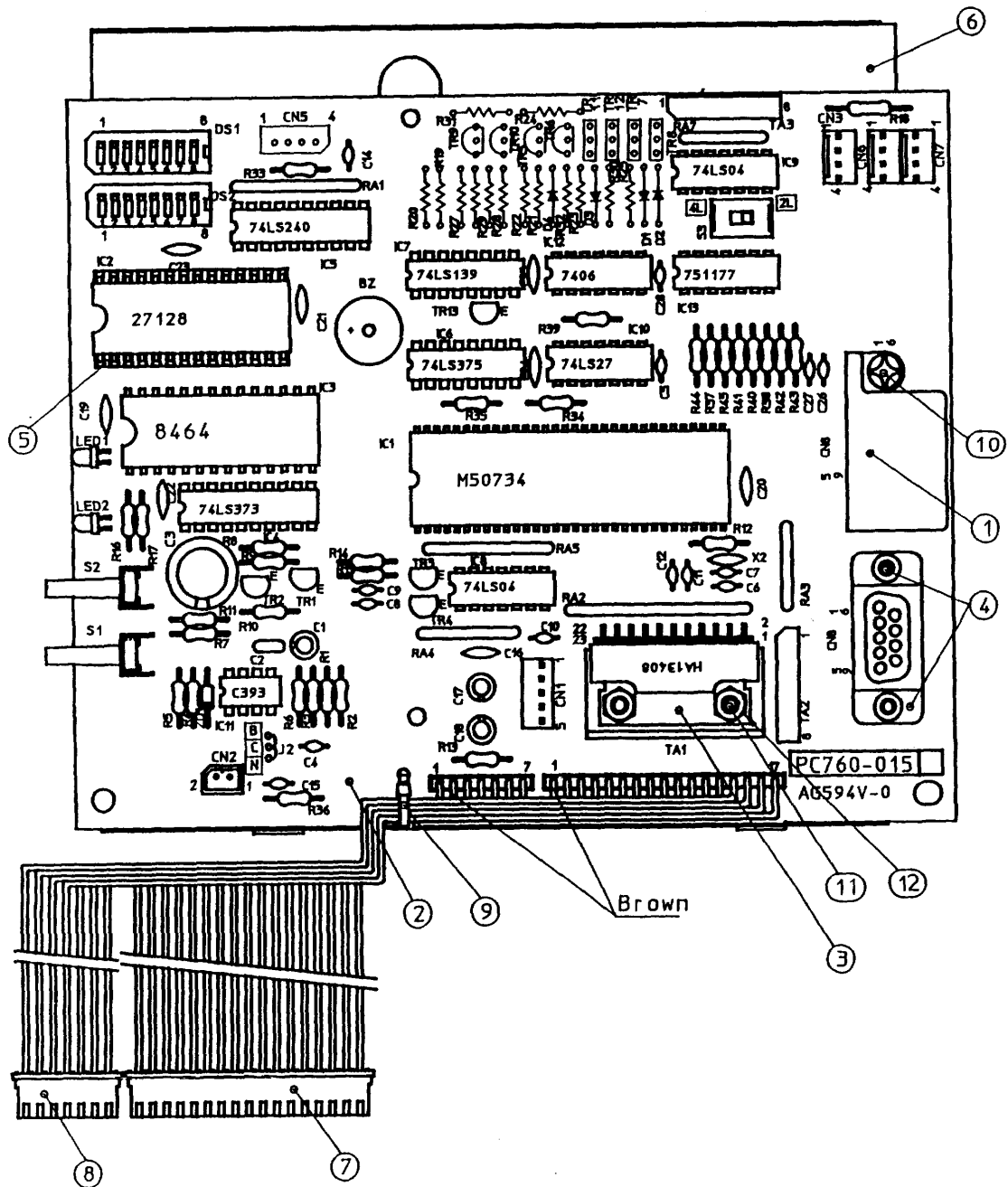
i DP3540

Serial Control PCB



iDP3540

RS422A Control PCB



PARTS LIST

MAIN CONTROL BOARD UNIT

iDP3541-PF / RF / XF

Symbol	Parts No.	Description	Q'ty	iDP3541 -PF	iDP3541 -RF	iDP3541 -XF
CN	1	E 48000260 Connector B5P-SHF-1	1	<-	<-	<-
	2	E 4800-690 Connector 5267-02A	1	<-	<-	<-
	3, 6, 7	E 48000265 Connector 5054-04A	3	<-	<-	<-
	4	E 48000270 Connector FCN-684J036-L / U	1	<-		
		E 48000280 D-Sub Connector FCN-674J025-L / C	1		<-	
	5	E 48000350 Connector 5267-04A	1	<-	<-	<-
	8	E 48000360 D-Sub Connector FCN-674J009-L/C	1			<-
BZ	E 7151-120	Buzzer MEB-12-5	1	<-	<-	<-
S	1, 2	E 5102-450 Key Switch SKHHNH	2	<-	<-	<-
	3	E 5104-340 Slide Switch MMS-A-2-2N	1		<-	<-
DS	1	E 5103-400 Dip Switch SCS-08A	1	<-		
	1, 2	E 5103-400 Dip Switch SCS-08A	2		<-	<-
IC	1	E 104-200 LSI M50734SP	1	<-	<-	<-
	2	E 104-340 LSI 27C128-20J	1	<-	<-	<-
	3	E 104-330 LSI MB8464A-15LP	1	<-	<-	<-
	4	E 201-811 TTL HD74LS373P	1	<-	<-	<-
	5, 14	E 201-821 TTL HD74LS240P	2	<-		
	5	E 201-821 TTL HD74LS240P	1		<-	<-
	6	E 2010231 TTL HD74LS375P	1	<-	<-	<-
	7	E 201-831 TTL HD74LS139P	1	<-	<-	<-
	8, 9	E 201-611 TTL HD74LS04P	2	<-	<-	<-
	10	E 201-720 TTL HD74LS27P	1	<-	<-	<-
	11	E 202-610 IC uPC393C	1	<-	<-	<-
	12, 13	E 2010201 TTL HD74LS06P	2	<-		
	12	E 2010201 TTL HD7406P	1		<-	<-
	13, 14	E 2010040 IC MAX232CPE	2		<-	
	13	E 202-720 IC SN751177BP	1			<-

PARTS LIST

MAIN CONTROL BOARD UNIT

iDP3541-PF / RF / XF

Symbol	Parts No.	Description	Q'ty	iDP3541 -PF	iDP3541 -RF	iDP3541 -XF
X 2	E 501-150	X'tal CSA 7.3MT40	1	<-	<-	<-
D 1-4	E 400-200	Diode MPG06D-G3	4	<-	<-	<-
5-7	E 400-041	Diode 1S2076	3	<-	<-	<-
ZD 1	E 403-061	Zener Diode RD3.OEL1	1	<-	<-	<-
LED1, 2	E 480-290	LED SEL2310G	2	<-	<-	<-
TR 1	E 319-117	Transistor 2SA1175 (HF)	1	<-	<-	<-
2-6	E 359-040	Transistor KSC945C (Y)	8	<-	<-	<-
9,10						
13						
2-6	E 359-040	Transistor KSC945C (Y)	10		<-	
9,10						
13-15						
7,11	E 327-050	Transistor 2SB744A (Q,P)	2	<-	<-	<-
8,12	E 379-035	Transistor 2SD794A (Q,P)	2	<-	<-	<-
TA 1	E 390-100	Tr. Array HA13408	1	<-	<-	<-
2, 3	E 390-140	Tr. Array STA301A	2	<-	<-	<-
P 1	E 391-080	Photo Coupler PC837	1		<-	
C 1	E 2001-650	El. Cap. 1uF / 50	1	<-	<-	<-
2	E 2310-220	My. Cap. DMY21H473K	1	<-	<-	<-
3	E 2047-300	El. Cap. FS0H4732	1	<-	<-	<-
4, 5,	E 2147-090	C. Cap. DD003-298B471K50	3	<-		
27						
4, 5	E 2147-090	C. Cap. DD003-298B471K50	2		<-	<-
6, 7	E 2110-800	C. Cap. DD107RH101J50	2	<-	<-	<-
8, 9,	E 2110-810	C. Cap. DD003-298B102K50	5	<-		<-
11,12						
15						

MAIN CONTROL BOARD UNIT

MAIN CONTROL BOARD UNIT						IDP3541 - PF / RF / XF			
Symbol	Parts No.	Description				Q'ty	iDP3541 -PF	iDP3541 -RF	iDP3541 -XF
C 8,9 11,12 15,34 10,14 16 19-26 16 19-25 28 17 18 26 26, 27 27, 28 28 29-32 33	E 2110-810 E 2110-815 E 2110-805 E 2110-805 E 2010-725 E 2047-630 E 2010-650 E 2110-820 E 2047-620 E 2122-030 E 2022-650 E 2122-030	C. Cap. C. Cap. C. Cap. C. Cap. El. Cap. El. Cap. El. Cap. C. Cap. El. Cap. C. Cap. El. Cap. C. Cap.	DD003-298B102K50 DD003-298F103Z50 DD306-979F104Z25 DD306-979F104Z25 100uF / 25 47uF / 35 10uF / 50 DD306-298B101K50 47uF / 25 DD306-298B101K50 22uF / 50 DD306-298B101K50			6 2 9 8 1 1 1 2 2 1 4 1	 <- <- <- <- <- <- <- <-	<- <- <- <- <- <-	<- <- <- <- <-
R 1 2 3, 33 35 3, 33 35, 41 4 5, 7, 14 15, 34 36, 37 5, 7, 14 15, 34 36-39 5, 7, 14 15, 34 36, 37 38, 39	E 3152-120 E 3272-100 E 3102-041 E 3102-041 E 3222-041 E 3332-041 E 3332-041 E 3332-041	Me. Re. Me. Re. Re. Re. Re. Re. Re.	RN14S RN14S 1 / 4W 1 / 4W 1 / 4W 1 / 4W 1 / 4W	1.5K 2.7K 1 K 1 K 2.2K 3.3K 3.3K	F F J J J J J	1 1 3 4 1 7 8 9	<- <- <- <- <- <- <-	<- <- <- <- <- <- <-	<- <- <- <- <- <- <-

PARTS LIST

MAIN CONTROL BOARD UNIT

iDP3541-PF / RF / XF

Symbol	Parts No.	Description	Q'ty	iDP3541 -PF	iDP3541 -RF	iDP3541 -XF
R 6	E 3473-041	Re. 1 / 4W 47 K J	1	<-	<-	
6,44	E 3473-041	Re. 1 / 4W 47 K J	3			<-
45						
8,13	E 3101-041	Re. 1 / 4W 100 J	2	<-		<-
8,13	E 3101-041	Re. 1 / 4W 100 J	4		<-	
42, 43						
9,11	E 3103-041	Re. 1/4W 10 K J	8	<-	<-	<-
19,20						
25-27						
32						
10	E 3623-041	Re. 1/4W 62 K J		<-	<-	<-
12	E 3105-041	Re. 1/4W 1 M J		<-	<-	<-
16,17	E 3331-041	Re. 1/4W 330 J		<-	<-	<-
18	E 3152-020	Me. Re. RSMF 1B 1.5 J		<-	<-	<-
21,22	E 3223-041	Re. 1/4W 22 K J		<-	<-	<-
28,29						
23,24	E 3472-041	Re. 1/4W 4.7 K J		<-	<-	
30,31						
23,24	E 3472-041	Re. 1/4W 4.7 K J				<-
30,31						
42,43						
38,40	E 3221-041	Re. 1/4W 220 J			<-	
40,41	E 3100-041	Re. 1/4W 10 J				<-
RA 1	E 3103-130	Re. Array RGLD 8 × 103J	1	<-		
1, 5	E 3103-130	Re. Array RGLD 8 × 103J	2		<-	<-
2	E 3103-180	Re. Array RGLD 12 × 103J	1	<-	<-	<-
3, 7	E 3101-120	Re. Array RGLD 3Y102J	2	<-	<-	<-
4	E 3101-130	Re. Array RGLD 6 × 102J	1	<-	<-	<-
5	E 3103-190	Re. Array RGLD 6 × 103J	1	<-		
6, 8	E 3322-070	Re. Array RGLD 8 × 332J	2	<-		
6	E 3322-070	Re. Array RGLD 8 × 332J	1		<-	

PARTS LIST

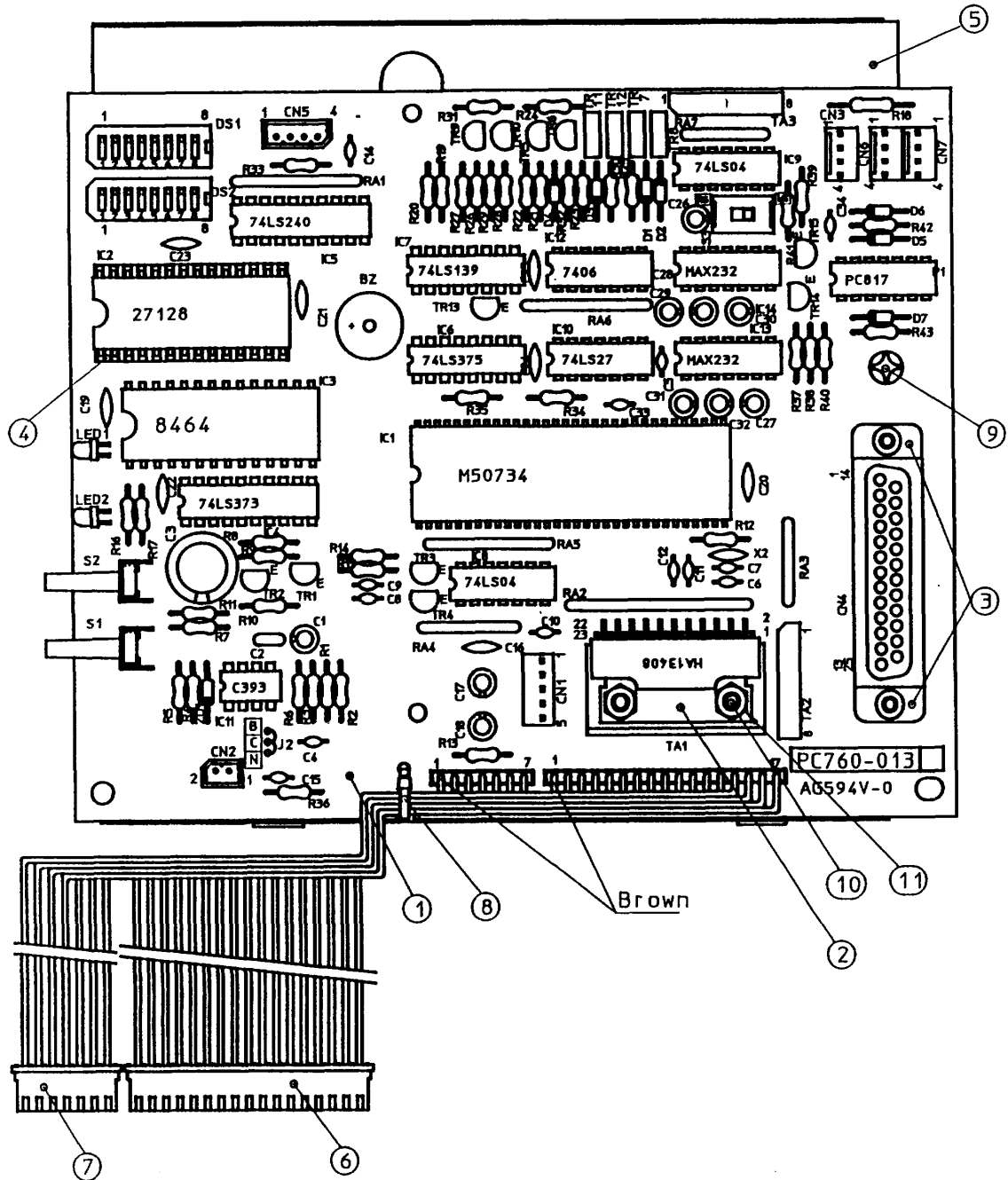
MAIN CONTROL BOARD UNIT

iDP3541-PF / RF / XF

Symbol	Parts No.	Description	Q'ty	iDP3541 -PF	iDP3541 -RF	iDP3541 -XF
1		PC Board	<1>	<-	<-	
	E 4002-360	Blind Plate	1			<-
2	E 4010-360	Heatsink	1	<-	<-	
		PC Board	<1>			<-
3	E 48000285	D-Sub Connector Holder FCN-770A68	1		<-	
	E 9901-010	IC Socket DILB28P-8J	1	<-		
	E 4010-360	Heatsink	1			<-
4	E 9901-010	IC Socket DILB28P-8J	1		<-	
	E 4002-350	Shield Plate	1	<-		
	E 48000285	D-Sub Connector Holder FCN-770A68	1			<-
5	E 4002-350	Shield Plate	1		<-	
	E 48000335	Cord Assy MMH5395-26-170-17	1	<-		
	E 9901-010	IC Socket DILB28P-8J	1			<-
6	E 48000335	Cord Assy MMH5395-26-170-17	1		<-	
	E 48000340	Cord Assy MMH5395-26-170-7	1	<-		
	E 4002-350	Shield Plate	1			<-
7	E 48000340	Cord Assy MMH5395-26-170-7	1		<-	
	E 4013-100	Cable Binder SKB-80	1	<-		
	E 48000335	Cord Assy MMH5395-26-170-17	1			<-
8	E 4013-100	Cable Binder SKB-80	1		<-	
	ST1P 3 × 12	Screw M3 × 12	2	<-		
	E 48000340	Cord Assy MMH5395-26-170-7	1			<-
9	ST1P 3 × 6	Screw M3 × 6	1		<-	
	SMP 3 × 8	Screw M3 × 8	2	<-		
	E 4013-100	Cable Binder SKB-80	1			<-
10	SMP 3 × 8	Screw M3 × 8	2		<-	
	ST1P 3 × 6	Screw M3 × 6	2			<-
11	N 3-1	Nut M3	2		<-	
	SMP 3 × 8	Screw M3 × 8	2			<-
12	N 3-1	Nut M3	2			<-

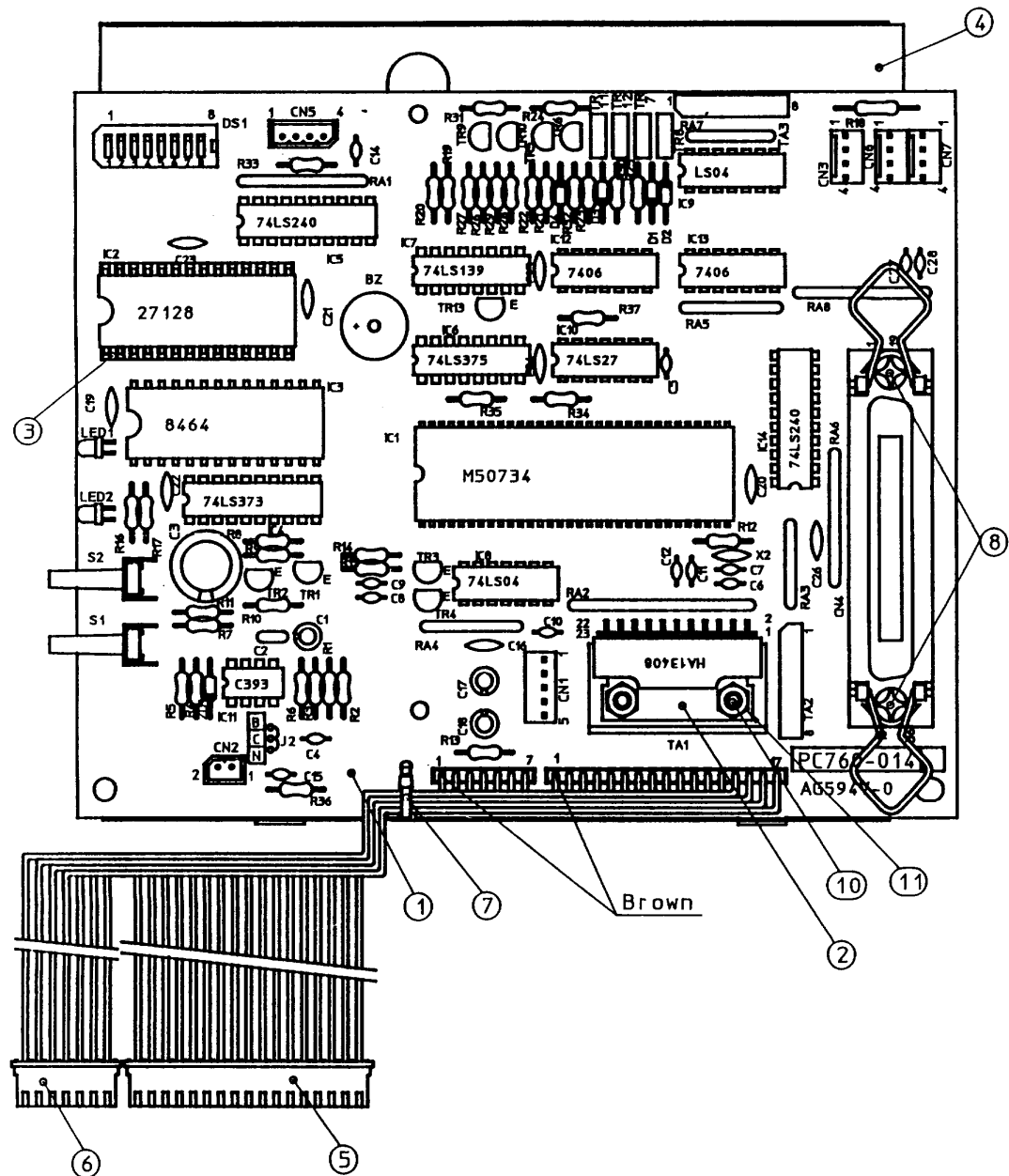
iDP3541

Serial Control PCB



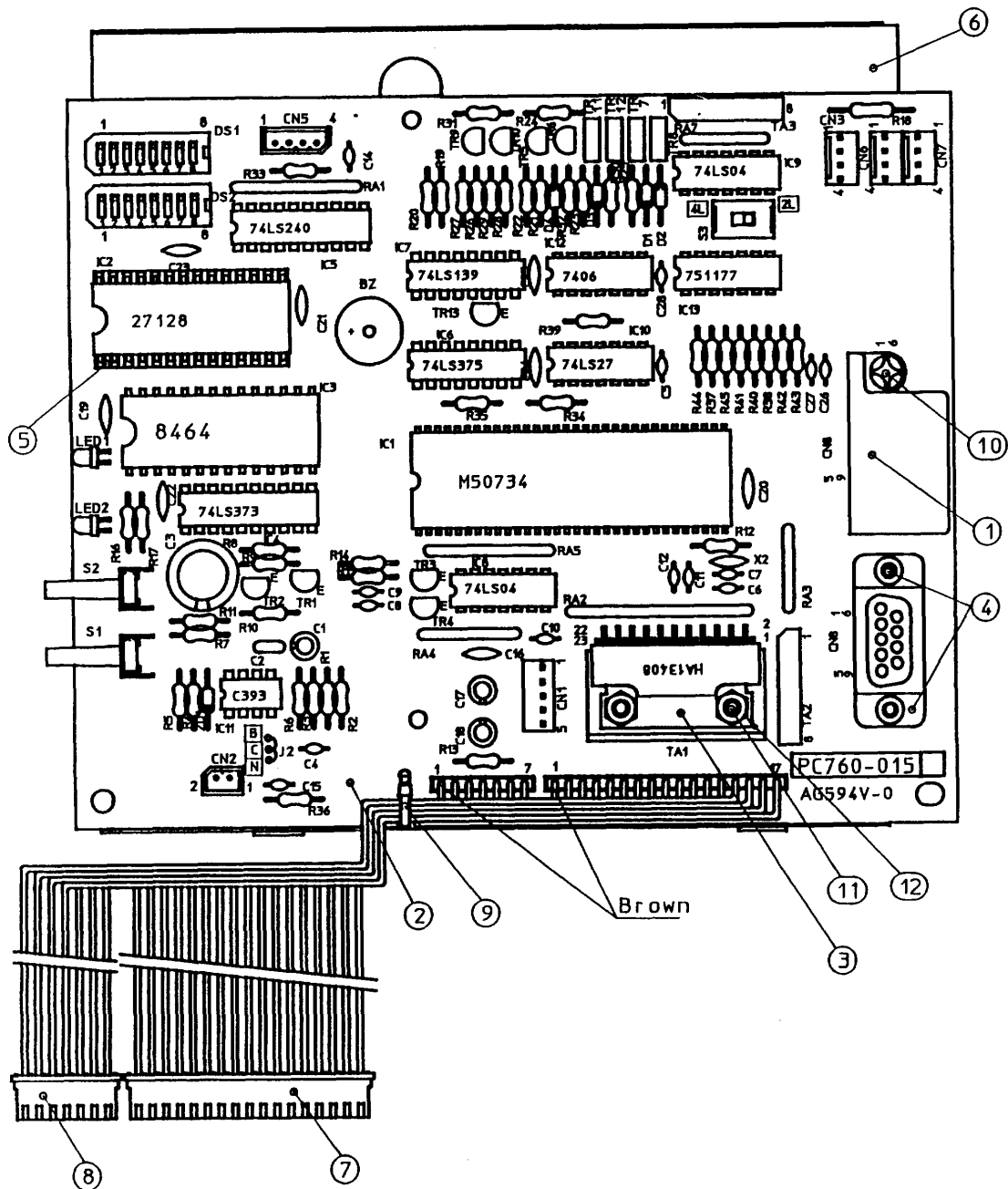
i DP3541

Parallel Control PCB

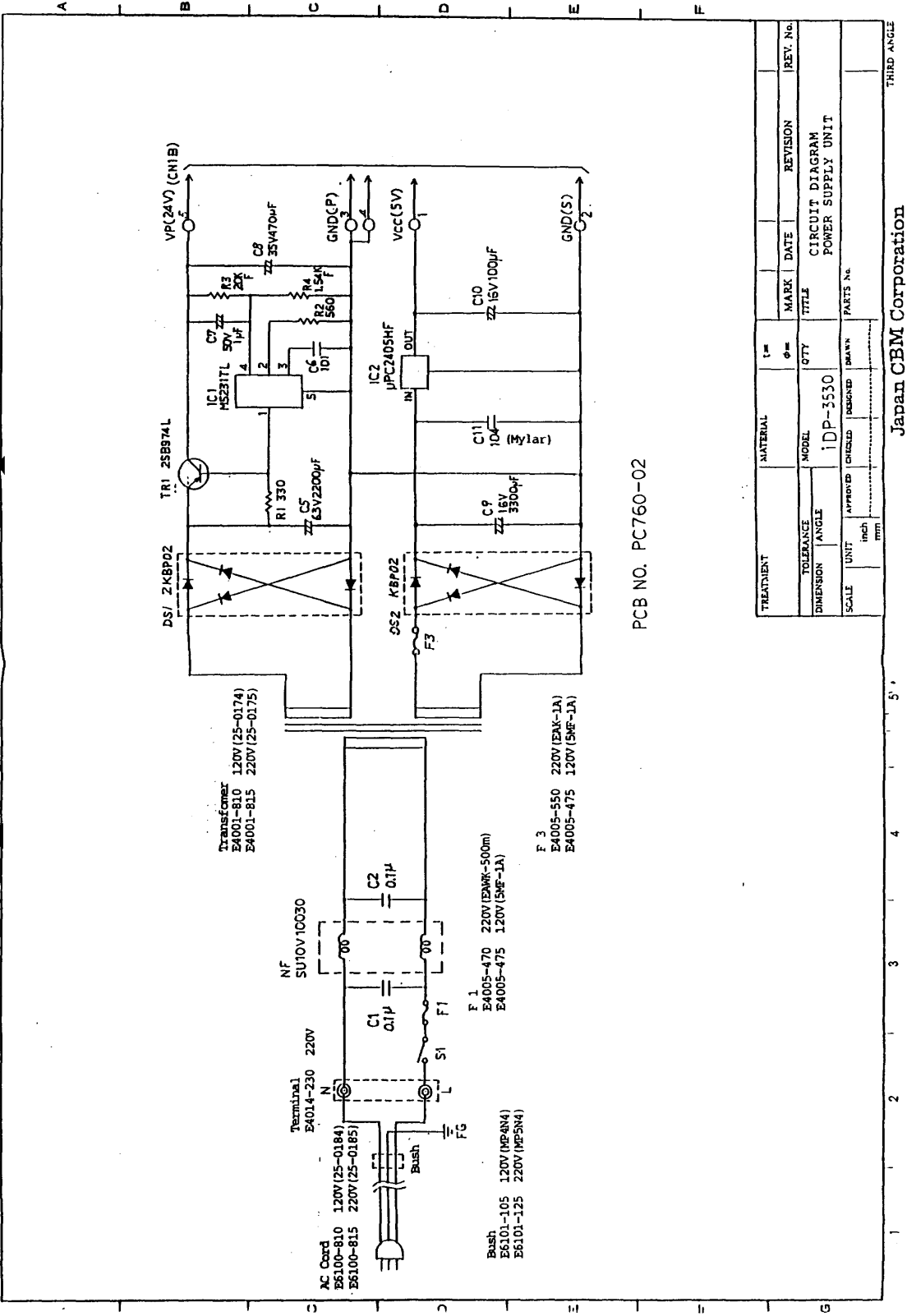


iDP3541

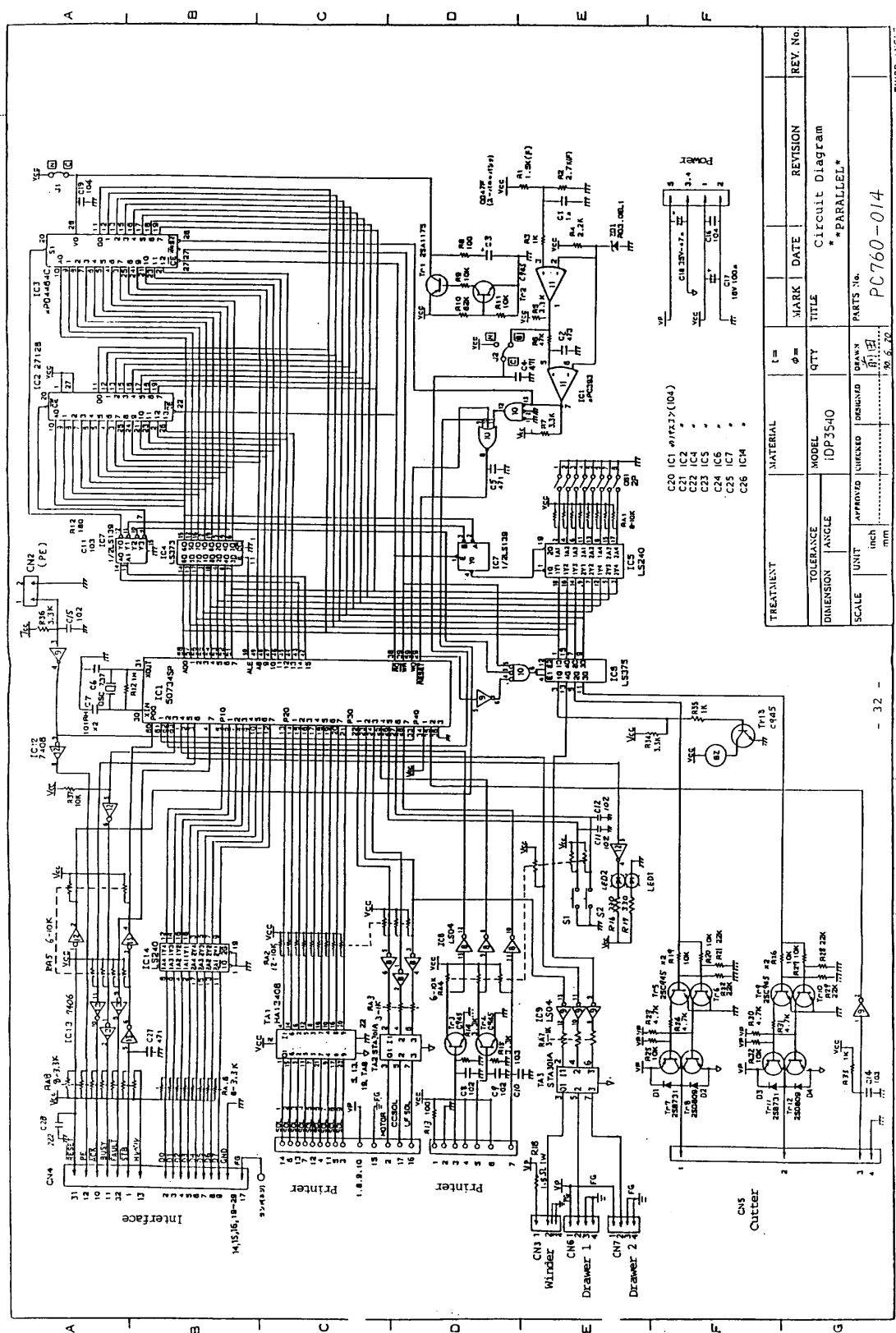
RS422A Control PCB



3. Circuit Diagram







TREATMENT		MATERIAL	QTY	REVISION	REV. No.
TOLERANCE		MODEL	IDP3540	Circuit Diagram	Circuit Diagram
DIMENSION		ANGLE			
SCALE		UNIT	APPROVED	DESIGNED	PARTS No.
		inch	mm	mm	mm
		mm			

Japan CBM Corporation

PC760-014

THIRD ANGLE

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