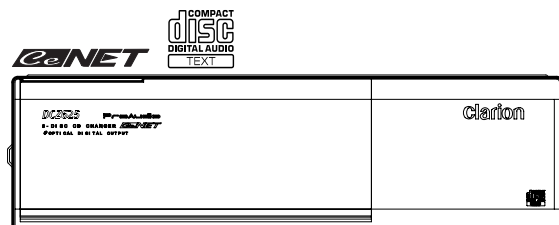


Service Manual



6 Disc CD Changer with CD text

Model DCZ625
(PE-2433B/for U.S.A.)
(PE-2433K/for Other Countries)

Model DCZ628
(PE-2433E/for Europe)

SPECIFICATIONS

Frequency response:	5Hz to 20kHz(±1dB)
Signal to noise ratio:	105dB(1kHz)IHF-A
Wow and flutter:	Below measurement limits
Power supply voltage:	14.4V DC (10.8 to 15.6V allowable)
Ground:	Negative
Current consumption:	1A
Dimensions(mm):	225(W)×63(H)×167(D)
Weight:	1.65kg

NOTES

- ※ Use a CeNET extension cable that is less than 20m in length.
- ※ CD singles cannot be used.
- ※ This unit is compatible with CD text. When it is connected to a center unit suitable for CD text display, CD text can be displayed. (When it is connected to a center unit without CD text function, CD text cannot be displayed.)
- ※ The following magazines cannot be used for this unit. Using them will result in a damage to the mechanism and cause the magazine not to eject.
 1. Magazine(CAA-122) for the 12-disc CD changer
 2. Magazine(CAA-355) for the 6-disc CD changer
- ※ Do not play heart-shaped, octagonal, or other specially shaped CDs.
- ※ We cannot supply PWB with component parts in principle. When a circuit on PWB has failure, please repair it by component parts base. Parts which are not mentioned in service manual are not supplied.
- ※ Specifications and design are subject to change without notice for further improvement.

COMPONENTS

PE-2433B-A/K-A/E-A		
Main unit	-----	1
CD magazine	CAA-397-900	1
Mounting bracket	300-9873-20	2
Mounting bracket(with bolt)	300-9874-20	2
Lock pin	335-0594-20	3
Extension lead(13P)	855-3416-50	1
Parts bag	-----	
Cushion rubber	345-8653-00	2
Parts bag	-----	
Cord clamp	335-0833-01	2
Wing nut	722-0545-00	4
Hex-bolt	734-5008-37	4

To engineers in charge of repair or inspection of our products.

Before repair or inspection, make sure to follow the instructions so that customers and Engineers in charge of repair or inspection can avoid suffering any risk or injury.

1. Use specified parts.

The system uses parts with special safety features against fire and voltage. Use only parts with equivalent characteristics when replacing them.

The use of unspecified parts shall be regarded as remodeling for which we shall not be liable. The onus of product liability (PL) shall not be our responsibility in cases where an accident or failure is as a result of unspecified parts being used.

2. Place the parts and wiring back in their original positions after replacement or re-wiring.

For proper circuit construction, use of insulation tubes, bonding, gaps to PWB, etc, is involved. The wiring con-

nection and routing to the PWB are specially planned using clamps to keep away from heated and high voltage parts. Ensure that they are placed back in their original positions after repair or inspection.

If extended damage is caused due to negligence during repair, the legal responsibility shall be with the repairing company.

3. Check for safety after repair.

Check that the screws, parts and wires are put back securely in their original position after repair. Ensure for safety reasons there is no possibility of secondary problems around the repaired spots.

If extended damage is caused due to negligence of repair, the legal responsibility shall be with the repairing company.

4. Caution in removal and making wiring connection to the parts for the automobile.

Disconnect the battery terminal after turning the ignition key off. If wrong wiring connections are made with the battery connected, a short circuit and/or fire may occur. If extensive damage is caused due to negligence of repair, the legal responsibility shall be with the repairing company.

5. Cautions regarding chips.

Do not reuse removed chips even when no abnormality is observed in their appearance. Always replace them with new ones. (The chip parts include resistors, capacitors, diodes, transistors, etc). The negative pole of tantalum capacitors is highly susceptible to heat, so use special care when replacing them and check the operation afterwards.

6. Cautions in handling flexible PWB

Before working with a soldering iron, make sure that the iron tip temperature is around 270°C. Take care not to apply the iron tip repeatedly (more than three times) to the same patterns. Also take care not to apply the tip with force.

7. Turn the unit OFF during disassembly and parts replacement. Recheck all work before you apply power to the unit.

8. Cautions in checking that the optical pickup lights up.

The laser is focused on the disc reflection surface through the lens of the optical pickup. When checking that the laser optical diode lights up, keep your eyes more than 30cms away from the lens. Prolonged viewing of the laser within 30cms may damage your eyesight.

9. Cautions in handling the optical pickup

The laser diode of the optical pickup can be damaged by electrostatic charge caused by your clothes and body. Make sure to avoid electrostatic charges on your clothes or body, or discharge static electricity before handling the optical pickup.

9-1. Laser diode

The laser diode terminals are shorted for transportation in order to prevent electrostatic damage. After replacement, open the shorted circuit. When removing the pickup from the mechanism, short the terminals by soldering them to prevent this damage.

9-2. Actuator

The actuator has a powerful magnetic circuit. If a magnetic material is put close to it. Its characteristics will change. Ensure that no foreign substances

enter through the ventilation slots in the cover.

9-3. Cleaning the lens

Dust on the optical lens affects performance. To clean the lens, apply a small amount of isopropyl alcohol to lens paper and wipe the lens gently.

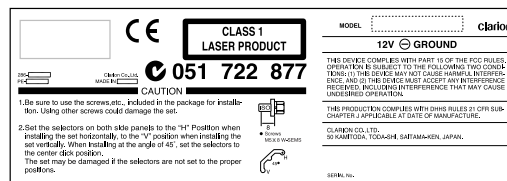
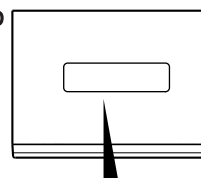
CAUTIONS

Use of controls, adjustment or performance of procedures other than those specified herein, may result in hazardous radiation exposure.

The COMPACT DISC player and MINI DISC player should not be adjusted or repaired by anyone except properly qualified service personnel.

This appliance contains a laser system and is classified as a "CLASS 1 LASER PRODUCT". To use this model properly, read this Owner's Manual carefully and keep this manual for your future reference. In case of any trouble with this player, please contact your nearest "AUTHORIZED service station". To prevent direct exposure to the laser beam, do not to open the enclosure.

Bottom View of CD Changer Unit



■ HOW TO CHANGE THE ADDRESS SWITCH

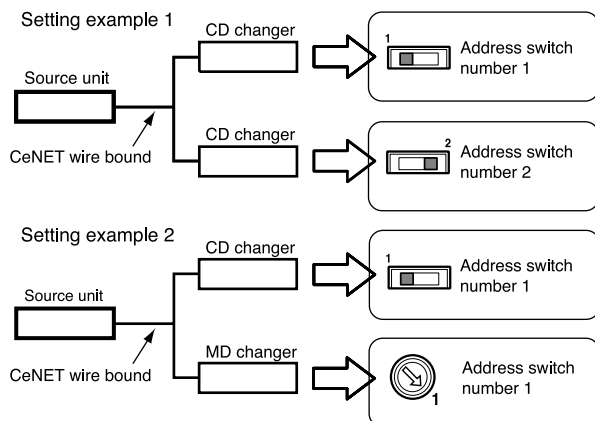
When connecting an CD changer and MD changer by Ce-NET, no more than 2 units can be connected. When both of them are CD, the address switch needs to be reset so that the address switch number is not the same for each.

How to change the address switch

Switch the address by using a plastic stick with a sharp tip or equivalent.



<Example of address switch setting>



Caution

- The unit may not operate when both CD changers are set to the same address switch number.
- Never change the address switch during operation. Doing so can cause malfunction or breakdown. Do not change the address switch forcibly, because this may also cause malfunction.
- The Ce-NET cable wiring must be less than 20m(65.62ft) in length.
- Be sure that the CD changer numbers are not the same.
- Do not use the address switch numbers "3" and "4" for the MD changer.

■ EXPLANATION OF IC

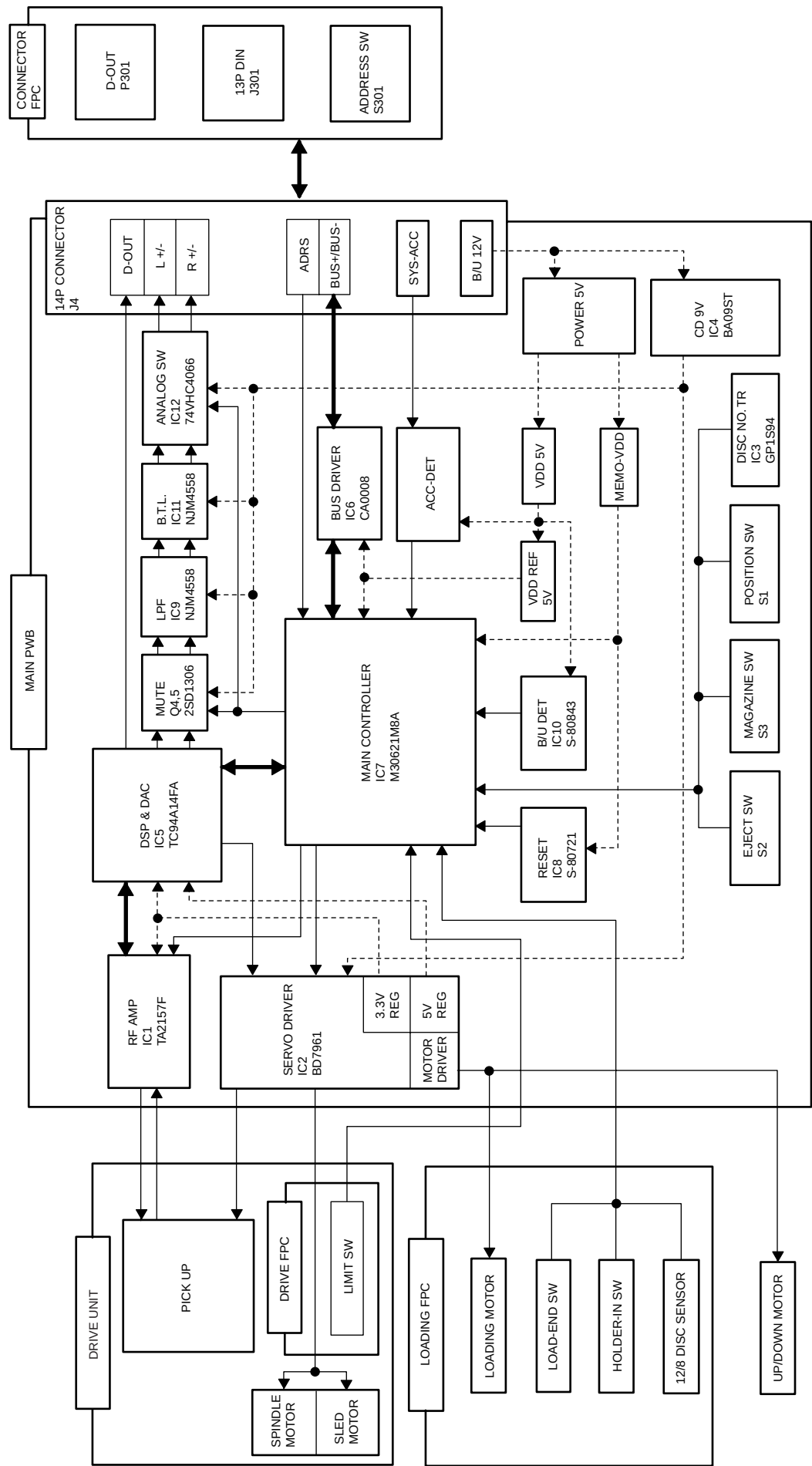
052-5046-01 M30621M8A-F27GP CD Auto Changer Control

1. Terminal Description

pin 1: POWER ON 1	: O : The power ON signal output to the power supply section.
pin 2: SB SYNC	: IN : Sub code data sync.
pin 3: A MUTE	: O : Audio mute signal output.
pin 4: CD AC FLAG	: O : The CD auto changer active flag output.
pin 5: NU	: - : Not in use.
pin 6: CN VSS	: IN : Inputting "L" at single mode operation.
pin 7: NU	: - : Not in use.
pin 8: NU	: - : Not in use.
pin 9: RESET	: IN : Reset signal input.
pin 10: X OUT	: O : Crystal connection.
pin 11: VSS	: - : Negative supply voltage.
pin 12: X IN	: IN : Crystal connection.
pin 13: VDD	: - : Positive supply voltage.
pin 14: NMI	: IN : Connect to VDD.
pin 15: B/U DET	: IN : Backup voltage ON signal input.
pin 16: SYS ACC	: IN : ACC detect signal input.
pin 17: MAG SW	: IN : The inserted flag input for the magazine.
pin 18: CONNECT	: IN : IE-BUS input.
pin 19: NU	: - : Not in use.

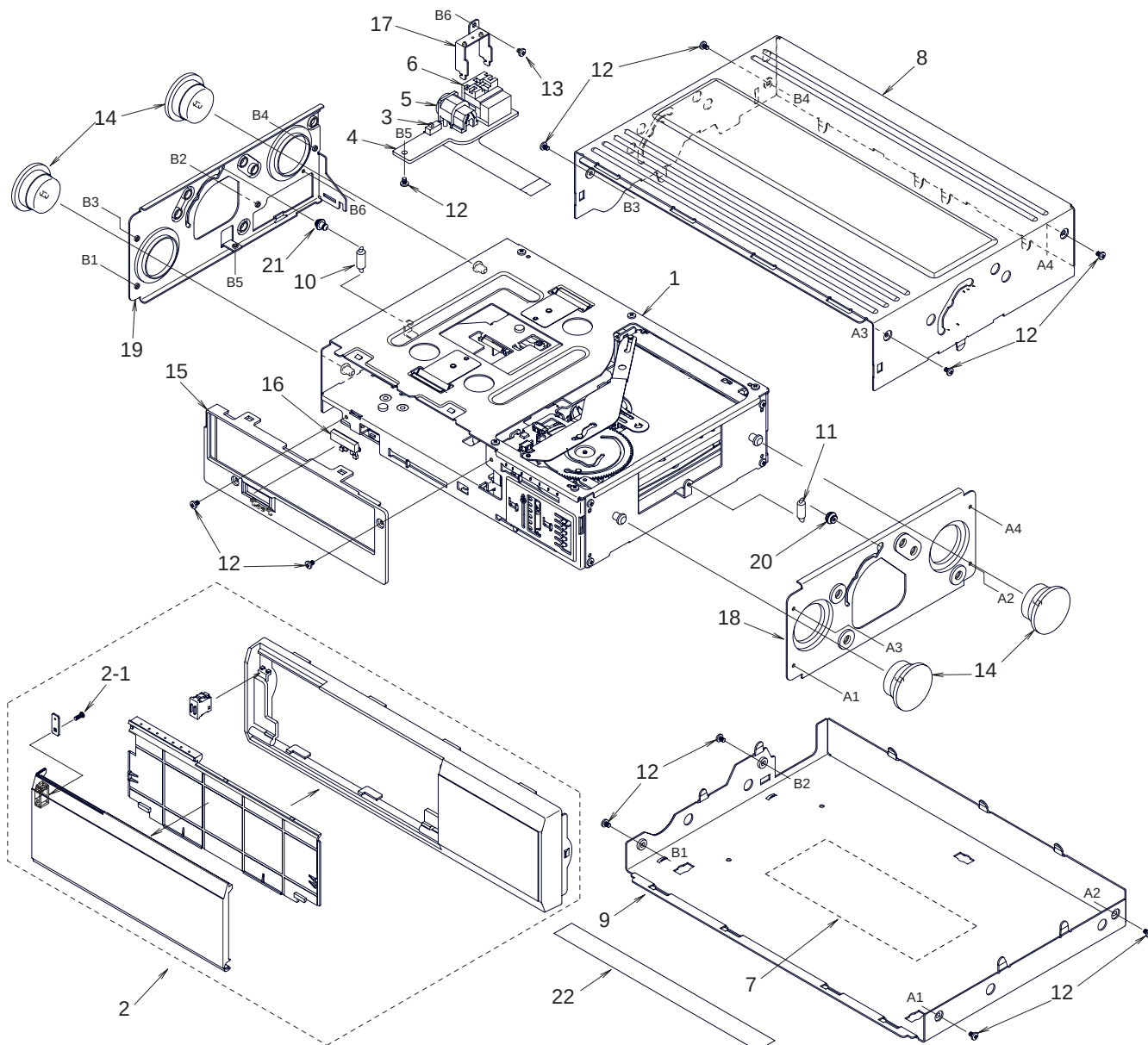
pin 20: ADDRESS	: IN : The address input for the CD auto changer.
pin 21: WRITE	: IN : The write command input.
pin 22: RX	: IN : Serial data input of IE BUS.
pin 23: TX	: O : Serial data output of IE BUS.
pin 24: NU	: - : Not in use.
pin 25: NU	: - : Not in use.
pin 26: NU	: - : Not in use.
pin 27: NU	: - : Not in use.
pin 28: NU	: - : Not in use.
pin 29: NU	: - : Not in use.
pin 30: NU	: - : Not in use.
pin 31: NU	: - : Not in use.
pin 32: NU	: - : Not in use.
pin 33: NU	: - : Not in use.
pin 34: NU	: - : Not in use.
pin 35: NU	: - : Not in use.
pin 36: DATUM	: IN : The datum point signal input for counting the disk number.
pin 37: D No TR	: IN : Disk number detect pulse input.
pin 38: NU	: - : Not in use.
pin 39: CE	: IN : Chip enable signal input.
pin 40: NU	: - : Not in use.
pin 41: PW ON INV	: O : The inverted signal of "POWER ON 1(pin 1)".
pin 42: POWER ON 2	: O : The power ON signal output to the power supply section.
pin 43: NU	: - : Not in use.
pin 44: LIMIT	: IN : Limiting switch signal input.
pin 45: HOLD IN	: IN : "L"= The magazine is charged.
pin 46: LOAD END	: O : The loading end signal output.
pin 47: 8cm/12cm	: IN : 8cm/12cm
pin 48: UD CW	: O : Up/down motor control signal output.
pin 49: UD CCW	: O : Up/down motor control signal output.
pin 50: LD CW	: O : Loading motor control signal output.
pin 51: LD CCW	: O : Loading motor control signal output.
pin 52: NU	: - : Not in use.
pin 53: T CLK	: O : "Test mode display" clock output.
pin 54: T DATA	: O : The serial data output for the test mode indication.
pin 55: T CLR	: O : The clear signal output for the test mode indication.
pin 56: NU	: - : Not in use.
pin 57: NU	: - : Not in use.
pin 58: NU	: - : Not in use.
pin 59: DR MUTE	: O : The muting pulse output to the CD driver.
pin 60: GV SW	: O : The reset pulse output to the digital servo IC.
pin 61: RST	: IN : Reset signal input.
pin 62: CCE	: O : Chip enable signal output to CD IC.
pin 63: BUC CLOCK	: O : CD IC clock pulse output.
pin 64: BUS 3	: I/O : CD IC Data input / output.
pin 65: BUS 2	: I/O : CD IC Data input / output.
pin 66: BUS 1	: I/O : CD IC Data input / output.
pin 67: BUS 0	: I/O : CD IC Data input / output.
pin 68: NU	: - : Not in use.
pin 69: NU	: - : Not in use.
pin 70: NU	: - : Not in use.
pin 71: EJECT	: IN : Eject signal input.
pin 72: TEST 4	: IN : For the test.
pin 73: TEST 3	: IN : For the test.
pin 74: TEST 2	: IN : For the test.
pin 75: A VSS	: - : Analog ground.
pin 76: TEST 1	: IN : For the test.
pin 77: Vref	: - : Reference voltage
pin 78: A VCC	: - : Positive supply voltage for the internal analog section.
pin 79: NU	: - : Not in use.
pin 80: D STOP	: O : Digital output control. Outputs "H" at Play.

■ BLOCK DIAGRAM



EXPLODED VIEW • PARTS LIST

Main section

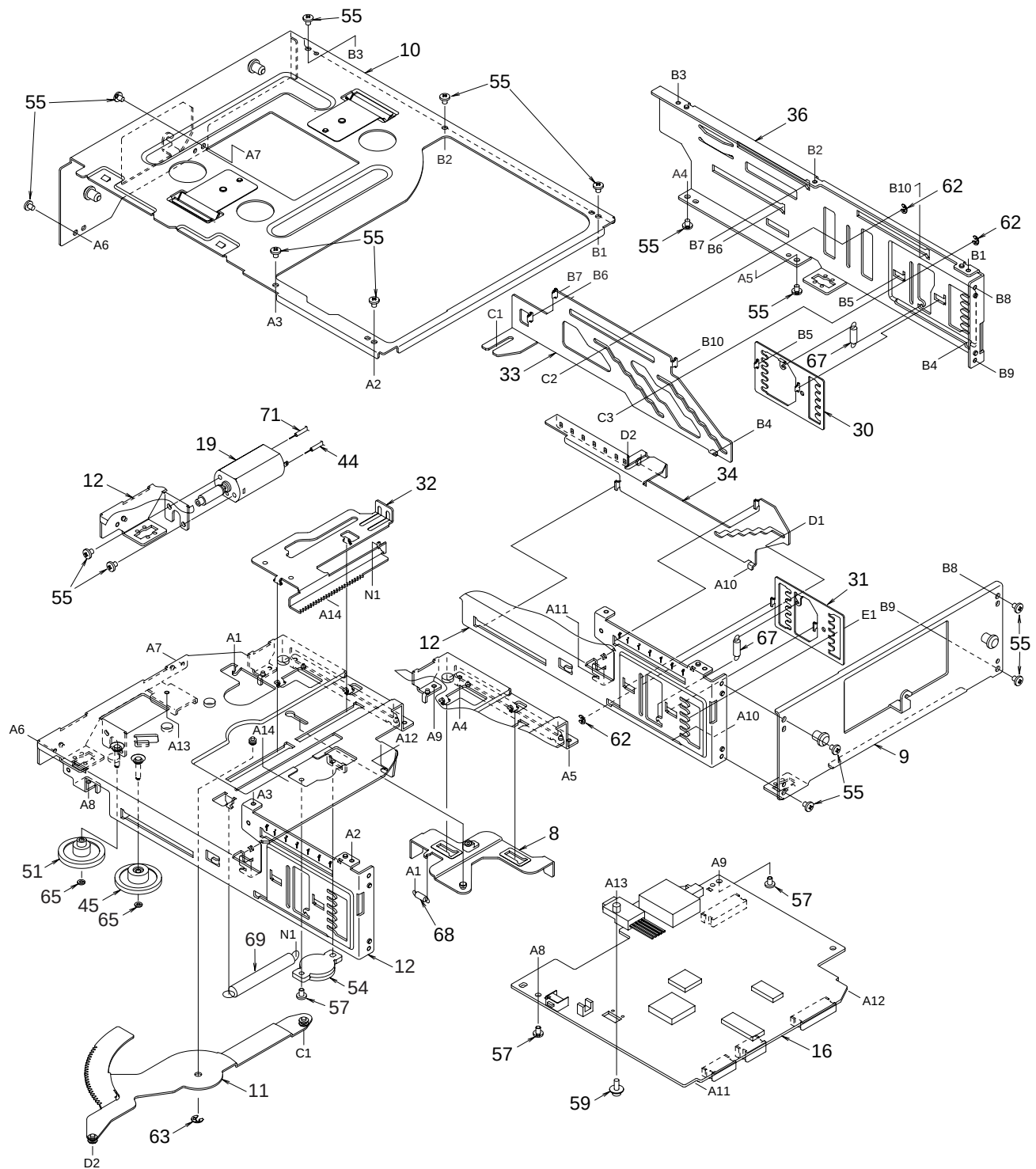


Note)Some parts depend on each model.The model name is specified in the description.

NO.	PART NO.	DESCRIPTION	Q'TY
1	-----	CHANGER MECHANISM (025020)	1
2	940-7965-63	ESCUTCHEON ASSY(DCZ625)	1
	940-7965-60	ESCUTCHEON ASSY(DCZ628)	1
2-1	716-0872-00	PAD SCREW	1
3	013-3968-00	SWITCH	1
4	039-1948-20	CONNECTOR PWB (WITHOUT COMPONENT)	1
5	074-1194-00	OUTLET SOCKET	1
6	075-0305-00	JACK	1
7	286-9860-00	SETPLATE(DCZ625/U.S.A)	1
	286-9858-00	SETPLATE(DCZ628)	
	286-9861-00	SETPLATE(DCZ625/OTHER)	
8	310-1742-21	UPPER CASE	1
9	311-1838-20	LOWER CASE	1
10	750-3460-21	FL-SPRING L	1

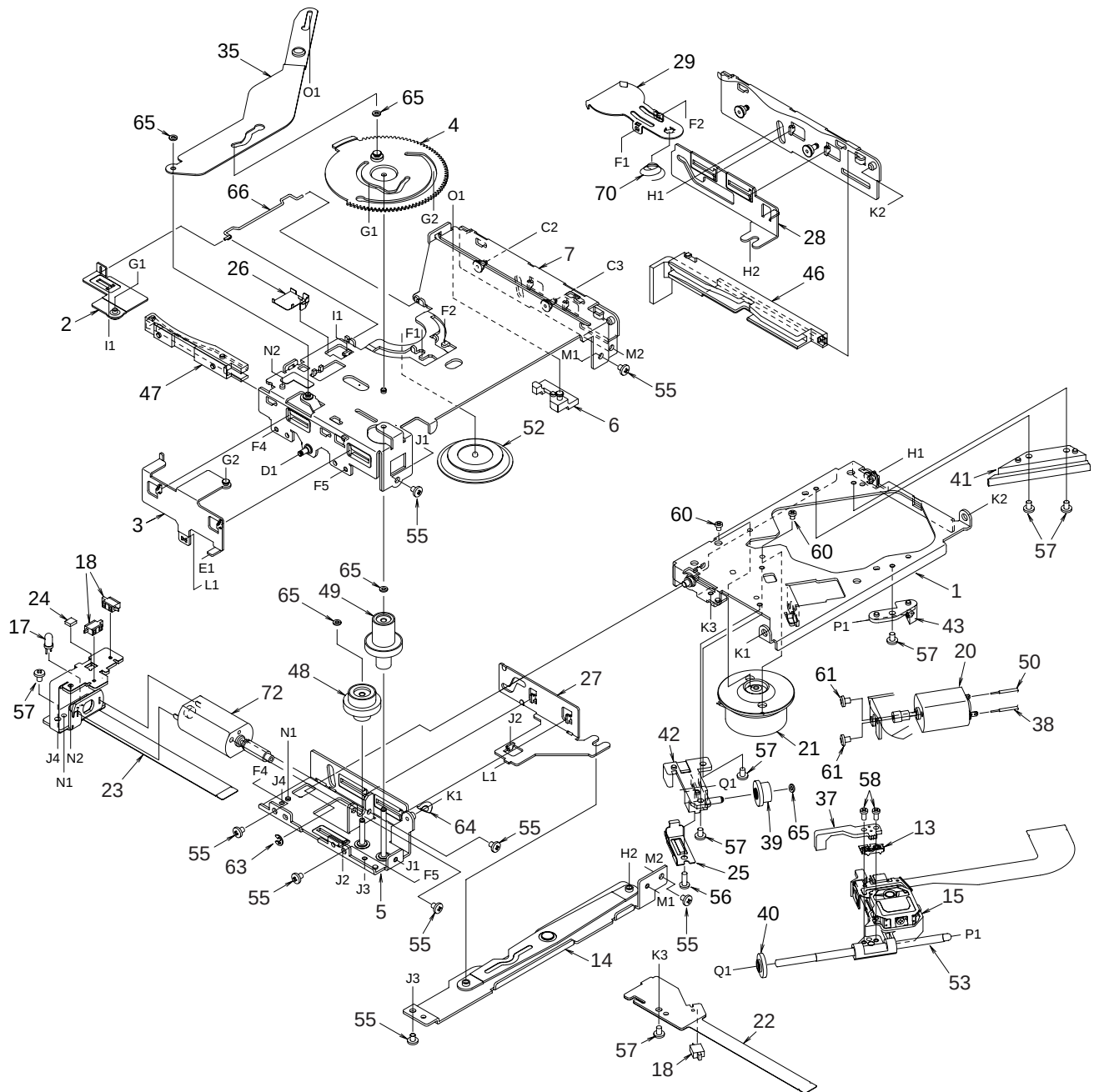
NO.	PART NO.	DESCRIPTION	Q'TY
11	750-3459-21	FL-SPRING R	1
12	716-1716-00	SCREW	11
13	716-0484-00	SPECIAL SCREW	1
14	629-0080-00	DAMPER GS-6	4
15	371-5693-22	TRIM PLATE	1
16	382-6254-20	BUTTON	1
17	620-1088-20	CE-NET HOLDER	1
18	620-0996-21	DAMPER PLATE R	1
19	620-0997-20	DAMPER PLATE F	1
20	622-1545-20	FL PIN R	1
21	622-1546-20	FL PIN L	1
22	348-0331-00	TAPE	1

Changer mechanism section



NO.	PART NO.	DESCRIPTION	Q'TY
1	966-0582-22	DRIVE-P-ASSY	1
2	966-0583-20	DISC HOLD ASSY	1
3	966-0584-23	CLAMP-P-ASSY F	1
4	966-0585-22	CAM GEAR ASSY	1
5	966-0586-22	MOTOR-P-ASSY	1
6	966-0588-21	HOLDER-L-ASSY	1
7	966-0589-23	L-UPPER-P-ASSY	1
8	966-0590-20	MG-LO-P-ASSY	1
9	966-0591-21	REAR PANEL ASSY	1
10	966-0592-20	UP-PLATE ASSY	1
11	966-0593-20	UD-GEAR-P-ASSY	1

NO.	PART NO.	DESCRIPTION	Q'TY
12	966-0594-24	V-CHASSIS ASSY	1
13	966-0454-00	SH-RACK-ASSY	1
14	966-0623-23	L-LOWER-P-ASSY	1
15	969-0061-30	PICK UP-ASSY	1
16	039-1947-20	MAIN PWB (WITHOUT COMPONENT)	1
17	001-0563-00	LED	1
18	013-7413-50	DETECTOR SWITCH	3
19	SMA-180-100	MOTOR ASSY(UP/DOWN)	1
20	SMA-181-100	MOTOR ASSY(SLED)	1
21	SMA-179-100	MOTOR ASSY(SPINDLE)	1



NO.	PART NO.	DESCRIPTION	Q'TY
22	039-1949-20	DRIVE PWB (WITHOUT COMPONENT)	1
23	039-1950-20	LOADING PWB (WITHOUT COMPONENT)	1
24	060-0252-01	PHOTO-TR	1
25	620-0999-21	LS-SPRING	1
26	620-1575-21	SWITCH PLATE	1
27	620-1007-22	CLAMP PLATE M	1
28	620-1008-24	CLAMP PLATE R	1
29	620-1009-21	CLAMPER PLATE	1
30	620-1016-20	GAP PLATE R	1
31	620-1017-20	GAP PLATE F	1
32	620-1018-20	MG EJECT PLATE	1
33	620-1019-20	SLIDE PLATE R	1
34	620-1020-20	SLIDE PLATE F	1
35	620-1031-21	LOADING ARM	1
36	620-1034-23	SIDE PANEL	1
37	621-0587-21	SCREW HOLD BASE	1

NO.	PART NO.	DESCRIPTION	Q'TY
38	801-4912-60	VINYL-COAT-WIRE(BRN)	1
39	621-0589-20	SECOND GEAR	1
40	621-0590-20	LS GEAR	1
41	621-0591-20	PICK UP GUIDE	1
42	621-0592-21	LS-HOLDER	1
43	621-0593-20	LS GUIDE	1
44	802-4906-60	VINYL-COAT-WIRE(RED)	1
45	621-0597-20	V-GEAR A	1
46	621-0630-22	HOLDER-G-RAIL R	1
47	621-0631-21	HOLDER-G-RAIL L	1
48	621-0703-20	L-GEAR A	1
49	621-0633-20	L-GEAR B	1
50	805-4912-60	VINYL-COAT-WIRE(GRN)	1
51	621-0635-20	V-HELICAL GEAR	1
52	621-0636-21	CLAMPER RING	1
53	624-3022-00	LEAD SCREW	1
54	629-0061-00	GEAR DAMPER	1

NO.	PART NO.	DESCRIPTION	Q'TY	NO.	PART NO.	DESCRIPTION	Q'TY
55	716-0484-00	SCREW(M2×2.5)	23	64	745-0789-01	DRIVE WASHER	1
56	716-0675-00	SCREW(M2×5.5)	1	65	746-0761-00	WASHER	7
57	716-1716-00	SCREW(M2×3)	10	66	750-3461-21	DISC-H-SPRING	1
58	716-3469-00	SCREW	2	67	750-3462-20	GAP SPRING	2
59	735-2006-11	D-SEMS-SCREW(M2×6)	1	68	750-3463-20	MG LOCK SPRING	1
60	739-1722-17	SCREW(M1.7×2.2)	2	69	750-3464-20	MG EJECT SPRING	1
61	739-2022-17	SCREW(M2×2.2)	2	70	750-3492-22	CLAMPER SPRING	1
62	743-1500-10	E-RING	3	71	800-4906-60	VINYL-COAT-WIRE(BLK)	1
63	743-2000-10	E-RING	2	72	SMA-188-100	MOTOR ASSY(LOADING)	1

■ ELECTRICAL PARTS LIST

Main PWB(B1) section

Note) Several different parts of the same reference number are alternative parts.

One of those parts is used in the set.

REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION
C1	178-1052-78	16V1uF	C62	183-1073-17	6.3V100uF	Q12	125-2004-92	RN1402
C2	043-0533-50	0.047uF	C64	046-1032-78	0.01uF	R1	033-1041-15	1/16W 100kΩ
C3	042-0426-31	6.3V100uF	C65	045-2201-50	22pF	R2	033-1041-15	1/16W 100kΩ
C4	183-1073-17	6.3V100uF	C66	045-2201-50	22pF	R3	033-1041-15	1/16W 100kΩ
C5	046-6822-58	6800pF	C67	183-2263-37	16V22uF	R4	033-1041-15	1/16W 100kΩ
C6	178-1052-78	16V1uF	C69	183-2263-37	16V22uF	R5	033-1041-15	1/16W 100kΩ
C7	168-1042-78	16V0.1uF	C70	184-4773-31	16V470uF	R6	033-1041-15	1/16W 100kΩ
C8	183-3363-27	10V33uF	C71	046-1032-78	0.01uF	R7	033-2211-15	1/16W 220Ω
C9	183-3363-27	10V33uF	C74	183-1073-17	6.3V100uF	R8	111-2711-98	1/16W 270Ω
C10	168-1042-78	16V0.1uF	C75	183-2263-37	16V22uF	R9	033-6831-15	1/16W 68kΩ
C11	168-1042-78	16V0.1uF	C76	183-2263-37	16V22uF	R10	111-2201-98	1/4WS 22Ω
C12	045-5096-50	5pF	C77	183-2263-37	16V22uF	R11	111-2201-98	1/4WS 22Ω
C13	183-3363-27	10V33uF	C78	183-2263-37	16V22uF	R12	119-1031-15	1/16W 10kΩ
C14	178-1052-78	16V1uF	C79	183-2263-37	16V22uF	R13	119-2231-15	1/16W 22kΩ
C16	168-1032-55	0.01uF	C80	183-2263-37	16V22uF	R14	033-8211-15	1/16W 820Ω
C17	045-5601-50	56pF	C81	178-3342-78	0.33uF	R15	111-1001-98	1/4WS 10Ω
C18	045-1011-50	100pF	D1	001-0516-90	MA111	R16	119-1031-15	1/16W 10kΩ
C19	168-1032-55	0.01uF	D2	001-1305-90	DAN217U	R17	119-1531-15	1/16W 15kΩ
C20	043-0533-50	0.047uF	D3	001-1304-90	DAN202U	R18	033-6831-15	1/16W 68kΩ
C21	046-1532-78	0.015uF	D4	001-0466-90	S5688B	R19	033-2721-15	1/16W 2.7kΩ
C22	045-4701-50	47pF	D5	001-0466-90	S5688B	R20	033-1011-15	1/16W 100Ω
C23	043-0533-50	0.047uF	D6	001-0516-90	MA111	R21	033-1021-15	1/16W 1kΩ
C24	046-1522-58	1500pF	D7	001-0504-35	HZS6C2L	R22	033-1031-15	1/16W 10kΩ
C25	046-4722-58	4700pF	D8	001-0516-90	MA111	R23	033-1831-15	1/16W 18kΩ
C26	046-1032-78	0.01uF	IC1	051-5710-90	TA2157F	R24	033-1531-15	1/16W 15kΩ
C27	043-0533-50	0.047uF	IC2	051-6060-08	BD7961FM	R25	033-1031-15	1/16W 10kΩ
C28	046-3332-78	0.033uF	IC3	051-5806-00	GP1S94	R26	033-4731-15	1/16W 47kΩ
C29	046-3332-78	0.033uF	IC4	051-3289-00	BA09ST	R27	033-1041-15	1/16W 100kΩ
C30	046-4712-58	470pF	IC5	051-6376-00	TC94A14FA	R28	033-5621-15	1/16W 5.6kΩ
C31	045-4701-50	47pF	IC6	051-6600-38	CA0008AM	R29	033-1041-15	1/16W 100kΩ
C33	043-0533-50	0.047uF	IC7	052-5046-01	M30621M8A-F27GP	R31	111-2711-98	1/16W 270Ω
C34	043-0533-50	0.047uF	IC8	051-5407-08	S-80721AN	R32	033-1041-15	1/16W 100kΩ
C36	042-0452-81	10V220uF	IC9	051-0350-93	NJM4558M	R33	033-3331-15	1/16W 33kΩ
C37	168-1042-78	16V0.1uF	IC10	051-5434-08	S-80843ALNP-EA7	R34	033-1051-15	1/16W 1MΩ
C38	168-1042-78	16V0.1uF	IC11	051-0350-93	NJM4558M	R35	033-4711-15	1/16W 470Ω
C39	166-1801-50	18pF	IC12	051-7232-08	74VHC4066M	R36	119-2211-15	1/16W 220Ω
C40	166-1801-50	18pF	J1	074-1138-65	15P	R37	033-3321-15	1/16W 3.3kΩ
C41	168-1032-55	0.01uF	J2	074-1158-56	6P	R38	119-4731-15	1/16W 47kΩ
C42	168-1042-78	16V0.1uF	J3	074-1158-58	8P	R39	033-4731-15	1/16W 47kΩ
C43	183-3363-27	10V33uF	J4	074-1158-64	14P	R40	033-1041-15	1/16W 100kΩ
C44	168-1032-55	0.01uF	L1	010-3050-93	10uH	R41	033-4731-15	1/16W 47kΩ
C45	168-1032-55	0.01uF	L2	010-2285-57	BLM21B102	R42	033-4731-15	1/16W 47kΩ
C47	166-1011-50	100pF	L3	010-2285-57	BLM21B102	R43	033-1011-15	1/16W 100Ω
C48	183-3363-27	10V33uF	L4	010-2285-57	BLM21B102	R44	033-1011-15	1/16W 100Ω
C49	183-1063-37	16V10uF	L5	010-2285-57	BLM21B102	R45	033-1031-15	1/16W 10kΩ
C50	183-1063-37	16V10uF	Q1	191-1237-50	2SB1237	R46	033-1031-15	1/16W 10kΩ
C51	042-0576-00	5.5V0.1F	Q2	191-1237-50	2SB1237	R47	033-5621-15	1/16W 5.6kΩ
C52	183-1063-37	16V10uF	Q3	191-1237-50	2SB1237	R48	033-1031-15	1/16W 10kΩ
C53	183-1063-37	16V10uF	Q4	193-1306-00	2SD1306	R49	033-4731-15	1/16W 47kΩ
C54	183-1063-37	16V10uF	Q5	193-1306-00	2SD1306	R50	033-4711-15	1/16W 470Ω
C55	043-0533-50	0.047uF	Q6	125-2004-92	RN1402	R51	033-1041-15	1/16W 100kΩ
C56	046-1032-78	0.01uF	Q7	190-1048-50	2SA1048	R52	119-1041-15	1/16W 100kΩ
C58	046-1032-78	0.01uF	Q8	125-2004-92	RN1402	R53	033-1531-15	1/16W 15kΩ
C59	183-1063-37	16V10uF	Q9	125-0014-92	DTA114	R54	033-1531-15	1/16W 15kΩ
C60	045-6801-50	68pF	Q10	190-1162-00	2SA1162	R55	033-2231-15	1/16W 22kΩ
C61	045-6801-50	68pF	Q11	193-1858-50	2SD1858	R56	033-1021-15	1/16W 1kΩ

REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION
R57	033-4731-15	1/16W 47k Ω	R67	033-1031-15	1/16W 10k Ω	R77	119-1011-15	1/16W 100 Ω
R58	033-2731-15	1/16W 27k Ω	R68	033-1031-15	1/16W 10k Ω	R78	119-1011-15	1/16W 100 Ω
R59	033-2731-15	1/16W 27k Ω	R69	033-8221-15	1/16W 8.2k Ω	R79	033-4721-15	1/16W 4.7k Ω
R60	033-1031-15	1/16W 10k Ω	R70	119-1041-15	1/16W 100k Ω	R80	033-2211-15	1/16W 220 Ω
R61	033-1031-15	1/16W 10k Ω	R71	119-1041-15	1/16W 100k Ω	S1	013-7404-50	00110676
R62	033-1031-15	1/16W 10k Ω	R72	119-1041-15	1/16W 100k Ω	S2	013-6100-10	SKHLLD
R63	033-1031-15	1/16W 10k Ω	R73	119-1041-15	1/16W 100k Ω	S3	013-7404-50	00110676
R64	033-1021-15	1/16W 1k Ω	R74	033-1031-15	1/16W 10k Ω	T1	009-0679-00	E1-19
R65	033-1531-15	1/16W 15k Ω	R75	119-1011-15	1/16W 100 Ω	X1	061-3038-00	16.9344MHz
R66	033-4731-15	1/16W 47k Ω	R76	119-1011-15	1/16W 100 Ω	X2	060-1505-50	CSTCC10MG

Connector PWB(B2) section

REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION
J301	074-1194-00	13P	P301	075-0305-00	DIGITAL OUT	S301	013-3968-00	SSSS2

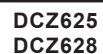
Loading PWB(B3) section

REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION
D501	001-0563-00	GL380	S501	013-7413-50	SPVG12
Q501	060-0252-01	PT4850F	S502	013-7413-50	SPVG12

Drive PWB(B4) section

REF No.	PART No.	DESCRIPTION
S503	013-7413-50	SPVG12

Main PWB(B1)/Connector PWB(B2)/Loading PWB(B3)/Drive PWB(B4) section



■ PRINTED WIRING BOARD / プリント基板図

Main PWB(B1)/Connector PWB(B2)/Loading PWB(B3)/Drive PWB(B4) section

