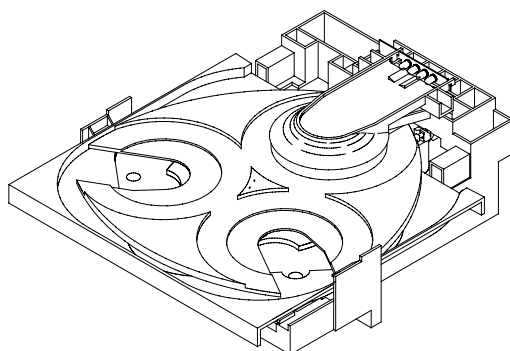




SERVICE MANUAL

CD DVD VCD MECHANISM

BASIC MECHANISM:KSM-210AAA

TYPE
S2RD
S2RDJ

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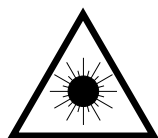
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PROTECTION OF EYES FROM LASER BEAM DURING SERVICING

This set employs laser. Therefore, be sure to follow carefully the instructions below when servicing.

WARNING!

WHEN SERVICING, DO NOT APPROACH THE LASER EXIT WITH THE EYE TOO CLOSELY. IN CASE IT IS NECESSARY TO CONFIRM LASER BEAM EMISSION. BE SURE TO OBSERVE FROM A DISTANCE OF MORE THAN 30cm FROM THE SURFACE OF THE OBJECTIVE LENS ON THE OPTICAL PICK-UP BLOCK.



- Caution: Invisible laser radiation when open and interlocks defeated avoid exposure to beam.
- Advarsel: Usynlig laserstråling ved åbning, når sikkerhedsafbrydere er ude af funktion. Undgå udsættelse for stråling.

VAROITUS!

Laiteen Käyttäminen muulla kuin tässä käyttöohjeessa mainitulla tavalla saattaa altistaa käyttäjän turvallisuusluokan 1 ylitävälle näkymättömälle lasersäteilylle.

WARNING!

Om apparaten används på annat sätt än vad som specificeras i denna bruksanvisning, kan användaren utsättas för osynlig laserstrålning, som överskrider gränsen för laserklass 1.

CAUTION

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

ATTENTION

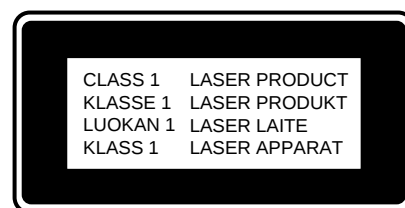
L'utilisation de commandes, réglages ou procédures autres que ceux spécifiés peut entraîner une dangereuse exposition aux radiations.

ADVARSEL!

Usynlig laserstråling ved åbning, når sikkerhedsafbrydere er ude af funktion. Undgå udsættelse for stråling.

This Compact Disc player is classified as a CLASS 1 LASER product.

The CLASS 1 LASER PRODUCT label is located on the rear exterior.

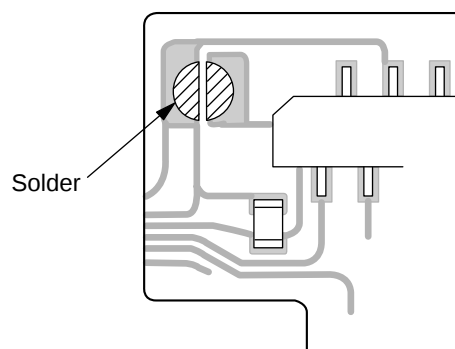


Precaution to replace Optical block (KHM-210AAA)

Body or clothes electrostatic potential could ruin laser diode in the optical block. Be sure ground body and workbench, and use care the clothes do not touch the diode.

- 1) After the connection, remove solder shown in the right figure.

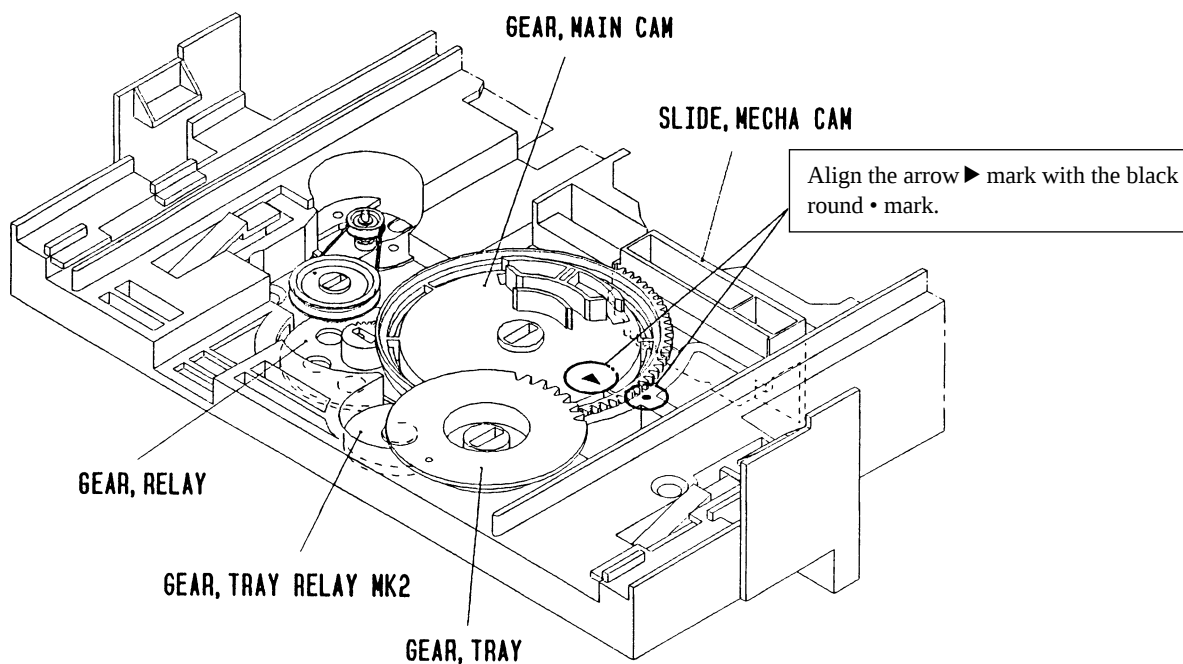
PICK-UP Assy P.C.B



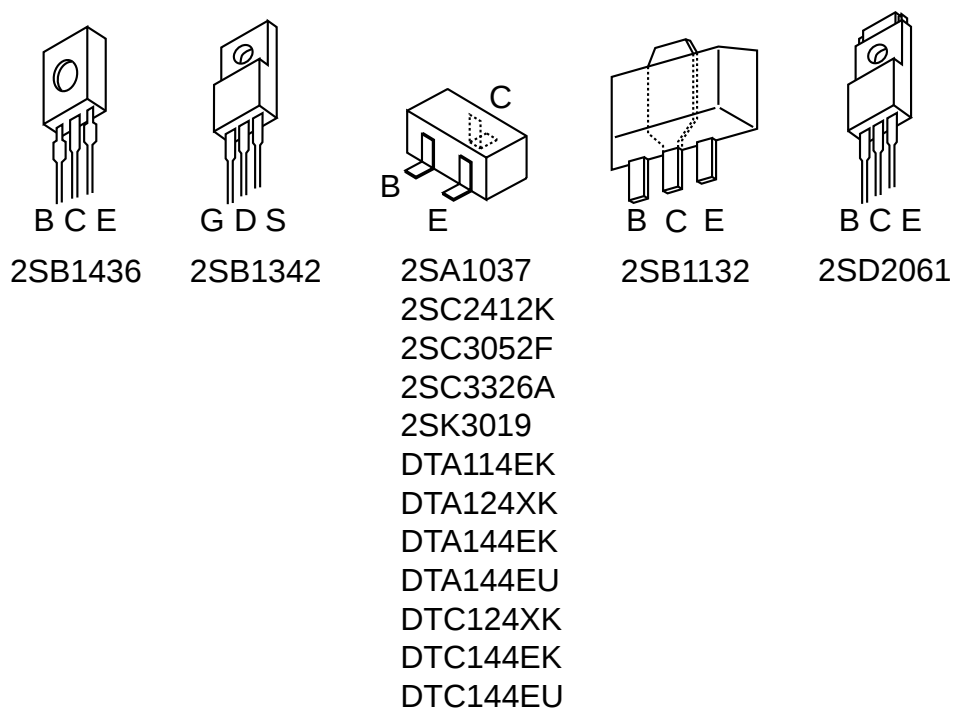
How to Adjust the Rotating Phase of the Gear, Main Cam

- 1) Push down the hooking catch of the CHAS. MECH, and remove the TRAY.
- 2) Align the arrow mark of the Gear, Main Cam with the black round mark of the CHAS, MECHA as shown below.
- 3) Confirm that the Slide, Mech Cam is located in the right position, then insert the TRAY gently.

Caution: If the rotating phase of the Gear, Main Cam is incorrectly adjusted, the chucking operation and tray movement will have malfunction.



TRANSISTOR ILLUSTRATION



ELECTRICAL MAIN PARTS LIST

DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO	PART NO.	KANRI NO.	DESCRIPTION	REF. NO	PART NO.	KANRI NO.	DESCRIPTION
IC				T-T C.B			
	87-A20-602-040	C-IC, M5291FP		C401	87-018-214-080		CAP TC U 0.1-50F
	87-A21-428-040	C-IC, NJM2115M		CON401	86-NFZ-675-010		CONN, 5P H 6216-11H
	87-017-825-010	IC, GP1F32T					
	8Z-ZJG-801-010	C-IC, CXD1866R					
	87-A21-315-040	C-IC, GLT440L16-40TC		DVD REAR C.B			
	8Z-ZJG-802-010	C-IC, CXD2598Q		C2	87-010-235-080		CAP, E 470-16 SME
	8Z-ZJG-803-010	C-IC, CXP912032-121Q		C4	87-010-196-080		CHIP CAPACITOR, 0.1-25
	8Z-ZJG-800-010	C-IC, CXD1889R		C5	87-010-196-080		CHIP CAPACITOR, 0.1-25
	87-A21-429-040	C-IC, NJM2137M		C6	87-010-101-080		CAP, ELECT 220-16
	87-A21-435-040	C-IC, BA5983FP		C7	87-010-101-080		CAP, ELECT 220-16
	87-002-929-080	IC, NJM2901M		C8	87-010-196-080		CHIP CAPACITOR, 0.1-25
	87-002-955-080	IC, NJU4053B		C9	87-010-235-080		CAP, E 470-16 SME
	87-A21-440-040	C-IC, SN74LS245NS		C10	87-010-235-080		CAP, E 470-16 SME
	87-017-859-080	IC, TC7S00FU		C11	87-010-805-080		CAP, S 1-16
	8Z-AV2-648-040	C-IC, HN58X2416FPSRZ		C12	87-012-140-080		CAP 470P
	87-A21-304-010	IC, LB1649		C13	87-010-178-080		CHIP CAP 1000P
	8Z-AV2-628-010	C-IC, HD6412350F20		C14	87-010-805-080		CAP, S 1-16
	87-A20-905-040	C-IC, BA033FP		C17	87-010-178-080		CHIP CAP 1000P
	87-A20-185-040	C-IC, PST600DMT		C18	87-010-178-080		CHIP CAP 1000P
	87-001-551-080	IC, TC7S08F		C19	87-010-196-080		CHIP CAPACITOR, 0.1-25
	8Z-ZJH-600-010	C-IC, M27C802CZ-H0		C21	87-010-197-080		CAP, CHIP 0.01 DM
	8Z-AV2-629-010	C-IC, W24512AT-15		C22	87-010-382-080		CAP, ELECT 22-25V
	8Z-AV2-630-010	C-IC, L64021D		C25	87-010-380-080		CAP, ELECT 47-16V
	8Z-AV2-633-010	C-IC, MB81F161622B		C26	87-010-235-080		CAP, E 470-16 SME
	87-017-888-080	IC, NJM4558MD		C27	87-010-248-080		CAP, ELECT 220-10V
	87-A20-689-080	C-IC, PCM1723		C28	87-010-196-080		CHIP CAPACITOR, 0.1-25
	87-A21-330-040	C-IC, SN74AHC1604DBV		C29	87-010-248-080		CAP, ELECT 220-10V
	87-A21-251-010	C-IC, MC44724A		C30	87-010-196-080		CHIP CAPACITOR, 0.1-25
	87-017-453-080	IC, NJM2267M		C31	87-010-248-080		CAP, ELECT 220-10V
	87-017-750-080	IC, MM1041XM		C32	87-010-196-080		CHIP CAPACITOR, 0.1-25
	87-A21-447-080	C-IC, BU4S81		C45	87-010-265-080		CAP, E 33-16 11L
	87-001-795-040	C-IC, TC74HC74AF		C50	87-010-380-080		CAP, ELECT 47-16V
	87-001-604-080	IC, TC74HCU04F		C51	87-010-196-080		CHIP CAPACITOR, 0.1-25
	87-070-224-080	IC, TC74HCT00AF		C101	87-010-190-080		S CHIP F 0.01
				C102	87-016-044-080		CAP, E 100-16 5L GAS
TRANSISTOR				C103	87-010-382-080		CAP, ELECT 22-25V
	87-A30-255-010	TR, 2SB1342		C104	87-010-190-080		S CHIP F 0.01
	87-A30-217-010	TR, 2SB1436(R)		C202	87-010-196-080		CHIP CAPACITOR, 0.1-25
	87-026-231-080	CHIP-TRANSISTER, DTA124XK		C203	87-016-044-080		CAP, E 100-16 5L GAS
	87-026-237-080	CHIP-TR, DTC124XK		C204	87-010-248-080		CAP, E 220-10 SME
	87-A30-359-040	C-TR, DTA144EUA		C206	87-010-197-080		CAP, CHIP 0.01 DM
	89-420-612-010	TR, 2SD2061 (2W)		C207	87-010-498-080		CAP, E 10-16 GAS
	87-A30-360-040	C-TR, DTC144EUA		C208	87-010-498-080		CAP, E 10-16 GAS
	87-A30-076-080	C-TR, 2SC3052F		C209	87-010-186-080		CAP, CHIP 4700P
	89-211-323-080	C-TR, 2SB1132R		C210	87-010-186-080		CAP, CHIP 4700P
	87-A30-362-040	C-TR, 2SK3019		C211	87-010-197-080		CAP, CHIP 0.01 DM
	87-026-210-080	CHIP-TR, DTC144EK		C212	87-010-197-080		CAP, CHIP 0.01 DM
	87-026-227-080	CHIP-TR, DTA114EK		C213	87-010-175-080		C-CAP, S 560P-50 SL
	89-333-265-080	TR, 2SC3326A		C214	87-010-175-080		C-CAP, S 560P-50 SL
	89-110-372-080	TR, 2SA1037(140MHZ 200MW)		C215	87-010-498-080		CAP, E 10-16 GAS
	89-324-123-080	C-TR, 2SC2412K S		C216	87-010-498-080		CAP, E 10-16 GAS
	87-026-211-080	TR, DTA144EK		C217	87-010-180-080		C-CER 1500P
				C218	87-010-180-080		C-CER 1500P
				C219	87-012-156-080		C-CAP, S 220P-50 CH
				C220	87-012-156-080		C-CAP, S 220P-50 CH
DIODE				C301	87-010-498-080		CAP, E 10-16 GAS
	87-A40-313-080	C-DIODE, MC 2840		C302	87-010-497-080		CAP, E 4.7-35 5L
	87-070-335-080	ZENER, MTZJ8.2B		C303	87-010-197-080		CAP, CHIP 0.01 DM
	87-A40-614-040	C-DIODE, SFPB-72		C304	87-010-497-080		CAP, E 4.7-35 5L
	87-017-779-080	C-DIODE, 1SS355		C305	87-010-499-080		CAP, E 22-6.3 SRE
	87-017-932-080	ZENER, MTJ6.2B		C306	87-010-555-080		CAP, E 100-10 GAS
	87-A40-464-080	ZENER, MTZJ3.6A		C307	87-010-499-080		CAP, E 22-6.3 SRE
	87-020-027-080	CHIP-DIODE 1SS184		C308	87-010-555-080		CAP, E 100-10 GAS
				C311	87-010-197-080		CAP, CHIP 0.01 DM
				C312	87-010-197-080		CAP, CHIP 0.01 DM
EXTENSION C.B				C313	87-010-196-080		CHIP CAPACITOR, 0.1-25
CN510	87-009-754-010	CONN, 13P PH H		C316	87-010-322-080		C-CAP, S 100P-50 CH
CN511	87-099-570-010	CONN, 13P TUC-P13P-B1		C513	87-010-322-080		C-CAP, S 100P-50 CH

REF. NO	PART NO.	KANRI NO.	DESCRIPTION	REF. NO	PART NO.	KANRI NO.	DESCRIPTION
C515	87-010-322-080		C-CAP, S 100P-50 CH	C213	87-012-286-080		CAP, U 0.01-25
CN1	84-722-632-010		CONN, 2P H	C214	87-012-286-080		CAP, U 0.01-25
CN2	87-099-209-010		CONN, 4P 6216H	C215	87-012-286-080		CAP, U 0.01-25
CN101	87-099-212-010		CONN, 5P 6216 V	C216	87-012-286-080		CAP, U 0.01-25
CN501	87-099-030-010		CONN, 13P 6216H	C217	87-012-286-080		CAP, U 0.01-25
CN502	87-A61-089-010		CONN, 14P H GRY FMN-SSTK	C218	87-012-286-080		CAP, U 0.01-25
CN503	87-A61-088-010		CONN, 6P H GRY FMN-SSTK	C219	87-012-286-080		CAP, U 0.01-25
CN504	87-A61-091-010		CONN, 9P H 6232 DIP	C220	87-012-286-080		CAP, U 0.01-25
CN505	87-A60-904-010		CONN, 10P H BLK FMN-STRK	C221	87-012-286-080		CAP, U 0.01-25
CNA10	88-805-052-620		CONN ASSY, 5P	C222	87-012-286-080		CAP, U 0.01-25
CNA11	88-805-061-020		CONN ASSY, 6P	C223	87-012-286-080		CAP, U 0.01-25
FB301	87-005-786-080		F-BEAD, BL03RN2	C224	87-012-286-080		CAP, U 0.01-25
FB302	87-005-786-080		F-BEAD, BL03RN2	C225	87-012-171-080		C-CAP, U 9P-50 CH
FB303	87-005-786-080		F-BEAD, BL03RN2	C226	87-012-196-080		C-CAP, U 120P-50 CH
J301	87-A60-127-010		JACK, Y/CYKF51.5503	C230	87-012-286-080		CAP, U 0.01-25
J302	87-009-502-010		JACK, PIN 1P Y EARTH	C232	87-012-286-080		CAP, U 0.01-25
JR4	87-A50-189-080		C-COIL, S BLM21B272S	C233	87-012-286-080		CAP, U 0.01-25
JR302	87-A50-189-080		C-COIL, S BLM21B272S	C234	87-012-171-080		C-CAP, U 9P-50 CH
L2	87-A50-517-080		COIL, 10UHK FLR88	C235	87-012-286-080		CAP, U 0.01-25
L3	87-A50-517-080		COIL, 10UHK FLR88	C236	87-010-235-080		CAP, E 470-16
L6	87-A50-549-010		COIL, 68UH RCH110	C237	87-010-248-080		CAP, E 220-10
L301	87-005-436-080		COIL, 22UH FLR50, K	C238	87-012-196-080		C-CAP, U 120P-50 CH
PS401	87-026-573-010		IC, GP1S53V	C239	87-010-831-080		C-CAP, U, 0.1-16F
S101	87-A91-500-010		SW, MICRO MPU11470MLB0	C241	87-010-831-080		C-CAP, U, 0.1-16F
S102	87-A91-500-010		SW, MICRO MPU11470MLB0	C243	87-012-176-080		CAP 15P
BE CB				C244	87-010-831-080		C-CAP, U, 0.1-16F
BPF301	8Z-AV2-634-080		FLTR, LPF RZV-2XCN	C245	87-010-831-080		C-CAP, U, 0.1-16F
BPF302	8Z-AV2-634-080		FLTR, LPF RZV-2XCN	C248	87-012-174-080		CAP CHIP CERA SS 12P CHJ
BPF303	8Z-AV2-634-080		FLTR, LPF RZV-2XCN	C249	87-A11-144-080		CAP, U 0.1-50
C101	87-012-286-080		CAP, U 0.01-25	C300	87-012-286-080		CAP, U 0.01-25
C102	87-012-286-080		CAP, U 0.01-25	C301	87-016-428-080		C-CAP, E 47-16 5.5N
C104	87-012-286-080		CAP, U 0.01-25	C302	87-012-286-080		CAP, U 0.01-25
C105	87-012-286-080		CAP, U 0.01-25	C303	87-010-831-080		C-CAP, U, 0.1-16F
C108	87-016-428-080		C-CAP, E 47-16 5.5N	C304	87-010-831-080		C-CAP, U, 0.1-16F
C109	87-012-286-080		CAP, U 0.01-25	C305	87-010-831-080		C-CAP, U, 0.1-16F
C112	87-012-286-080		CAP, U 0.01-25	C306	87-010-831-080		C-CAP, U, 0.1-16F
C113	87-012-286-080		CAP, U 0.01-25	C307	87-012-286-080		CAP, U 0.01-25
C114	87-012-172-080		CAPACITOR CHIP U 10P CH	C308	87-010-831-080		C-CAP, U, 0.1-16F
C115	87-016-428-080		C-CAP, E 47-16 5.5N	C310	87-012-286-080		CAP, U 0.01-25
C117	87-012-172-080		CAPACITOR CHIP U 10P CH	C311	87-016-428-080		C-CAP, E 47-16 5.5N
C119	87-012-286-080		CAP, U 0.01-25	C312	87-012-286-080		CAP, U 0.01-25
C120	87-012-286-080		CAP, U 0.01-25	C313	87-010-831-080		C-CAP, U, 0.1-16F
C121	87-012-286-080		CAP, U 0.01-25	C315	87-010-831-080		C-CAP, U, 0.1-16F
C122	87-016-428-080		C-CAP, E 47-16 5.5N	C316	87-010-831-080		C-CAP, U, 0.1-16F
C123	87-012-286-080		CAP, U 0.01-25	C317	87-010-848-080		C-CAP, 10-16V
C124	87-012-286-080		CAP, U 0.01-25	C318	87-012-286-080		CAP, U 0.01-25
C125	87-010-848-080		C-CAP, 10-16V	C319	87-012-182-080		C-CAP, U 27P-50 CH
C126	87-012-286-080		CAP, U 0.01-25	C320	87-012-182-080		C-CAP, U 27P-50 CH
C127	87-012-286-080		CAP, U 0.01-25	C324	87-012-182-080		C-CAP, U 27P-50 CH
C128	87-012-286-080		CAP, U 0.01-25	C325	87-012-182-080		C-CAP, U 27P-50 CH
C129	87-012-286-080		CAP, U 0.01-25	C329	87-012-182-080		C-CAP, U 27P-50 CH
C130	87-010-848-080		C-CAP, 10-16V	C330	87-012-182-080		C-CAP, U 27P-50 CH
C131	87-012-286-080		CAP, U 0.01-25	CN100	87-A60-942-080		C-CONN, 5P V PH-SM3-TB
C132	87-010-848-080		C-CAP, 10-16V	CN102	87-A60-889-080		C-CONN, 10P V FMN-BMTTN-TF
C134	87-012-286-080		CAP, U 0.01-25	CN102	87-A60-889-080		C-CONN, 10P V FMN-BMTTN-TF
C200	87-012-286-080		CAP, U 0.01-25	CN200	87-A60-790-080		C-CONN, 28P V 28FLT-SM1TB
C201	87-012-286-080		CAP, U 0.01-25	CN201	87-A60-892-080		C-CONN, 20P V FLT-SM1-TB
C202	87-016-428-080		C-CAP, E 47-16 5.5N	CN202	87-A60-852-080		C-CONN, 6P V FMN-BMTTNTF
C203	87-010-848-080		C-CAP, 10-16V	CN300	87-A60-891-080		C-CONN, 14P V FMN-BMTTN-TF
C204	87-012-286-080		CAP, U 0.01-25	CN301	87-A60-888-080		C-CONN, 9P V FMN-BMTTN-TF
C205	87-012-286-080		CAP, U 0.01-25	J106	87-A61-145-010		C-SOCKET, IC 2-44P IC179-44600
C206	87-012-286-080		CAP, U 0.01-25	L100	87-005-799-080		C-COIL, 1UH FLC32
C207	87-012-278-080		C-CAP, U 2200P-50 B	L101	87-005-799-080		C-COIL, 1UH FLC32
C208	87-012-286-080		CAP, U 0.01-25	L102	87-005-799-080		C-COIL, 1UH FLC32
C209	87-012-286-080		CAP, U 0.01-25	L200	87-005-799-080		C-COIL, 1UH FLC32
C210	87-016-428-080		C-CAP, E 47-16 5.5N	L201	87-005-799-080		C-COIL, 1UH FLC32
C211	87-012-286-080		CAP, U 0.01-25	L202	87-005-803-080		C-COIL, 2.2UH JFLC32
C212	87-012-286-080		CAP, U 0.01-25	L204	87-005-803-080		C-COIL, 2.2UH JFLC32
				L205	87-005-815-080		C-COIL, 22UH J FLC32
				L300	87-005-803-080		C-COIL, 2.2UH JFLC32

REF. NO	PART NO.	KANRI NO.	DESCRIPTION	REF. NO	PART NO.	KANRI NO.	DESCRIPTION
L301	87-005-815-080		C-COIL, 22UH J FLC32	C76	87-010-805-080		CAP, S 1-16
L302	87-005-811-080		C-COIL, 10UH J FLC32	C77	87-010-805-080		CAP, S 1-16
L303	87-005-817-080		C-COIL, 33UH J FLC32	C78	87-010-805-080		CAP, S 1-16
L307	87-005-817-080		C-COIL, 33UH J FLC32	C80	87-010-843-080		C-CAP,E 1-50 M 5.5L MV
L308	87-005-817-080		C-COIL, 33UH J FLC32	C81	87-010-154-080		CAP CHIP 10P
R233	87-A91-502-080		C-F-BEAD, BLM11B750SA	C82	87-010-805-080		CAP, S 1-16
R237	87-A91-480-080		C-F-BEAD, BK1608 HS121	C83	87-010-154-080		CAP CHIP 10P
R238	87-A91-649-080		C-F-BEAD, BK1608HM471	C84	87-010-805-080		CAP, S 1-16
R239	87-A91-480-080		C-F-BEAD, BK1608 HS121	C87	87-A11-975-080		C-CAP,E 47-16 M 5.5L MV
R241	87-A91-480-080		C-F-BEAD, BK1608 HS121	C88	87-010-805-080		CAP, S 1-16
FE C.B				C89	87-010-197-080		CAP, CHIP 0.01 DM
C1	87-010-805-080		CAP, S 1-16	C90	87-A11-973-080		C-CAP,E 1000-6.3 M 10.5L MV
C2	87-010-805-080		CAP, S 1-16	C91	87-010-184-080		CHIP CAPACITOR 3300P(K)
C3	87-016-081-080		C-CAP,S 0.1-16 RK	C92	87-010-180-080		C-CER 1500P
C4	87-010-805-080		CAP, S 1-16	C93	87-010-805-080		CAP, S 1-16
C7	87-010-992-080		C-CAP,S 0.047-25 B	C94	87-010-805-080		CAP, S 1-16
C8	87-012-358-080		C-CAP,S 0.47-10 F Z	C95	87-010-184-080		CHIP CAPACITOR 3300P(K)
C9	87-010-805-080		CAP, S 1-16	C96	87-010-180-080		C-CER 1500P
C12	87-012-358-080		C-CAP,S 0.47-10 F Z	C97	87-016-081-080		C-CAP,S 0.1-16 RK
C13	87-010-186-080		CAP,CHIP 4700P	C98	87-010-197-080		CAP, CHIP 0.01 DM
C14	87-016-081-080		C-CAP,S 0.1-16 RK	C99	87-010-992-080		C-CAP,S 0.047-25 B
C15	87-010-805-080		CAP, S 1-16	C100	87-010-992-080		C-CAP,S 0.047-25 B
C16	87-010-197-080		CAP, CHIP 0.01 DM	C101	87-010-182-080		C-CAP,S 2200P-50 B
C17	87-010-805-080		CAP, S 1-16	C103	87-010-182-080		C-CAP,S 2200P-50 B
C18	87-012-156-080		C-CAP,S 220P-50 CH	C104	87-010-182-080		C-CAP,S 2200P-50 B
C19	87-016-081-080		C-CAP,S 0.1-16 RK	C105	87-010-182-080		C-CAP,S 2200P-50 B
C23	87-012-140-080		CAP 470P	C106	87-012-157-080		C-CAP,S 330P-50 CH
C24	87-010-805-080		CAP, S 1-16	C107	87-010-197-080		CAP, CHIP 0.01 DM
C25	87-010-805-080		CAP, S 1-16	C108	87-016-081-080		C-CAP,S 0.1-16 RK
C26	87-010-805-080		CAP, S 1-16	C109	87-010-992-080		C-CAP,S 0.047-25 B
C29	87-010-805-080		CAP, S 1-16	C110	87-012-154-080		C-CAP,S 150P-50 CH
C30	87-010-805-080		CAP, S 1-16	C111	87-012-140-080		CAP 470P
C31	87-010-805-080		CAP, S 1-16	C112	87-A11-975-080		C-CAP,E 47-16 M 5.5L MV
C32	87-010-805-080		CAP, S 1-16	C113	87-016-081-080		C-CAP,S 0.1-16 RK
C33	87-010-805-080		CAP, S 1-16	C114	87-016-369-080		C-CAP,S 0.033-25 B K
C35	87-010-805-080		CAP, S 1-16	C116	87-016-081-080		C-CAP,S 0.1-16 RK
C36	87-010-805-080		CAP, S 1-16	C117	87-016-081-080		C-CAP,S 0.1-16 RK
C37	87-010-805-080		CAP, S 1-16	C118	87-010-197-080		CAP, CHIP 0.01 DM
C38	87-010-805-080		CAP, S 1-16	C119	87-016-081-080		C-CAP,S 0.1-16 RK
C39	87-010-805-080		CAP, S 1-16	C120	87-010-805-080		CAP, S 1-16
C40	87-016-081-080		C-CAP,S 0.1-16 RK	C122	87-A11-975-080		C-CAP,E 47-16 M 5.5L MV
C41	87-010-805-080		CAP, S 1-16	C123	87-A12-049-080		C-CAP,E 33-10 M 5.5 MV
C42	87-010-805-080		CAP, S 1-16	C124	87-012-349-080		C-CAP,S 1000P-50 CH
C43	87-010-805-080		CAP, S 1-16	C125	87-A11-975-080		C-CAP,E 47-16 M 5.5L MV
C44	87-010-805-080		CAP, S 1-16	C126	87-A11-978-080		C-CAP,E 10-35 M 5.5L MV
C46	87-A11-978-080		C-CAP,E 10-35 M 5.5L MV	C127	87-A11-978-080		C-CAP,E 10-35 M 5.5L MV
C47	87-010-805-080		CAP, S 1-16	C128	87-A11-978-080		C-CAP,E 10-35 M 5.5L MV
C48	87-010-197-080		CAP, CHIP 0.01 DM	C129	87-A11-978-080		C-CAP,E 10-35 M 5.5L MV
C49	87-016-081-080		C-CAP,S 0.1-16 RK	C131	87-016-081-080		C-CAP,S 0.1-16 RK
C50	87-010-805-080		CAP, S 1-16	C132	87-012-154-080		C-CAP,S 150P-50 CH
C51	87-016-081-080		C-CAP,S 0.1-16 RK	C133	87-016-081-080		C-CAP,S 0.1-16 RK
C52	87-010-956-080		CHIP-CAP,S 0.068-25B	C134	87-016-081-080		C-CAP,S 0.1-16 RK
C54	87-010-197-080		CAP, CHIP 0.01 DM	C135	87-016-081-080		C-CAP,S 0.1-16 RK
C55	87-010-322-080		C-CAP,S 100P-50 CH	C136	87-016-081-080		C-CAP,S 0.1-16 RK
C56	87-010-805-080		CAP, S 1-16	C137	87-010-805-080		CAP, S 1-16
C57	87-010-180-080		C-CER 1500P	C138	87-012-157-080		C-CAP,S 330P-50 CH
C58	87-010-805-080		CAP, S 1-16	C140	87-A11-976-080		C-CAP,E 470-16 M 10.5L MV
C59	87-010-320-080		CHIP CAP 68P	C141	87-016-081-080		C-CAP,S 0.1-16 RK
C60	87-010-992-080		C-CAP,S 0.047-25 B	C142	87-016-081-080		C-CAP,S 0.1-16 RK
C61	87-A11-975-080		C-CAP,E 47-16 M 5.5L MV	C143	87-016-081-080		C-CAP,S 0.1-16 RK
C62	87-010-805-080		CAP, S 1-16	C144	87-016-081-080		C-CAP,S 0.1-16 RK
C63	87-012-145-080		CAP, CHIP S 270P CH	C145	87-016-081-080		C-CAP,S 0.1-16 RK
C65	87-010-805-080		CAP, S 1-16	C148	87-010-182-080		C-CAP,S 2200P-50 B
C66	87-010-152-080		C-CAP,S 8P-50 CH	C149	87-010-319-080		C-CAP,S 56P-50 CH
C67	87-010-805-080		CAP, S 1-16	C150	87-010-992-080		C-CAP,S 0.047-25 B
C68	87-010-805-080		CAP, S 1-16	C151	87-012-157-080		C-CAP,S 330P-50 CH
C69	87-010-152-080		C-CAP,S 8P-50 CH	C152	87-010-956-080		CHIP-CAP,S 0.068-25B
C71	87-010-805-080		CAP, S 1-16	C154	87-010-992-080		C-CAP,S 0.047-25 B
				C156	87-010-319-080		C-CAP,S 56P-50 CH
				C157	87-012-157-080		C-CAP,S 330P-50 CH

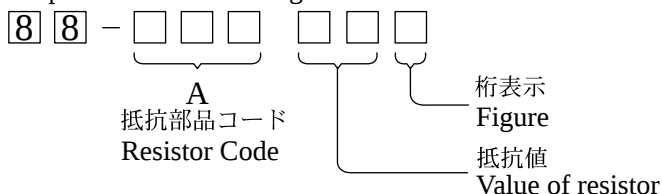
REF. NO	PART NO.	KANRI NO.	DESCRIPTION	REF. NO	PART NO.	KANRI NO.	DESCRIPTION
C160	87-010-956-080		CHIP-CAP,S 0.068-25B	C703	87-A11-976-080		C-CAP,E 470-16 M 10.5L MV
C163	87-010-805-080		CAP, S 1-16	C704	87-016-081-080		C-CAP,S 0.1-16 RK
C165	87-010-805-080		CAP, S 1-16	C705	87-A11-976-080		C-CAP,E 470-16 M 10.5L MV
C166	87-010-805-080		CAP, S 1-16	C706	87-016-081-080		C-CAP,S 0.1-16 RK
C167	87-010-805-080		CAP, S 1-16	C707	87-A11-976-080		C-CAP,E 470-16 M 10.5L MV
C168	87-010-805-080		CAP, S 1-16	C708	87-A11-976-080		C-CAP,E 470-16 M 10.5L MV
C174	87-A11-977-080		C-CAP,E 2.2-35 M 5.5L MV	C709	87-016-081-080		C-CAP,S 0.1-16 RK
C175	87-010-184-080		CHIP CAPACITOR 3300P(K)	C710	87-A11-976-080		C-CAP,E 470-16 M 10.5L MV
C176	87-010-321-080		CHIP CAPACITOR,82P(J)	C711	87-016-081-080		C-CAP,S 0.1-16 RK
C177	87-016-081-080		C-CAP,S 0.1-16 RK	C712	87-016-369-080		C-CAP,S 0.033-25 B K
C178	87-010-314-080		C-CAP,S 22P-50V	C713	87-016-081-080		C-CAP,S 0.1-16 RK
C179	87-010-314-080		C-CAP,S 22P-50V	C714	87-016-081-080		C-CAP,S 0.1-16 RK
C181	87-010-314-080		C-CAP,S 22P-50V	C715	87-010-805-080		CAP, S 1-16
C182	87-010-314-080		C-CAP,S 22P-50V	C801	87-010-805-080		CAP, S 1-16
C183	87-010-805-080		CAP, S 1-16	C802	87-010-805-080		CAP, S 1-16
C184	87-010-805-080		CAP, S 1-16	C803	87-010-805-080		CAP, S 1-16
C199	87-010-805-080		CAP, S 1-16	C804	87-010-805-080		CAP, S 1-16
C201	87-A11-975-080		C-CAP,E 47-16 M 5.5L MV	CN4	87-A61-135-080		C-CONN,21P V 6232-121-006-800
C202	87-010-805-080		CAP, S 1-16	CN5	87-A61-062-080		C-CONN,6P V PH-SM3-TB
C204	87-A11-978-080		C-CAP,E 10-35 M 5.5L MV	CN700	87-A61-144-080		C-CONN,6P H PH-SM3-TB
C209	87-010-805-080		CAP, S 1-16	CN701	87-A60-790-080		C-CONN,28P V 28FLT-SM1TB
C210	87-010-149-080		C-CAP,S 5P-50 CH	CN702	87-A60-892-080		C-CONN,20P V FLT-SM1-TB
C211	87-010-149-080		C-CAP,S 5P-50 CH	FB4	87-A50-192-080		C-COIL,S BLM21P300S
C212	87-A11-978-080		C-CAP,E 10-35 M 5.5L MV	FB700	87-A50-192-080		C-COIL,S BLM21P300S
C213	87-016-081-080		C-CAP,S 0.1-16 RK	FB701	87-A50-192-080		C-COIL,S BLM21P300S
C214	87-010-805-080		CAP, S 1-16	FB702	87-A50-192-080		C-COIL,S BLM21P300S
C215	87-010-805-080		CAP, S 1-16	FB703	87-A50-192-080		C-COIL,S BLM21P300S
C216	87-010-805-080		CAP, S 1-16	L3	87-005-781-080		C-COIL,47UH FLC32C
C217	87-010-182-080		C-CAP,S 2200P-50 B	L4	87-005-781-080		C-COIL,47UH FLC32C
C218	87-010-182-080		C-CAP,S 2200P-50 B	R75	87-A91-648-080		C-F-BEAD, BK2125HS241
C219	87-010-182-080		C-CAP,S 2200P-50 B	R76	87-A91-648-080		C-F-BEAD, BK2125HS241
C221	87-016-081-080		C-CAP,S 0.1-16 RK	R90	87-A91-648-080		C-F-BEAD, BK2125HS241
C222	87-016-081-080		C-CAP,S 0.1-16 RK	R118	87-A91-648-080		C-F-BEAD, BK2125HS241
C223	87-016-081-080		C-CAP,S 0.1-16 RK	X2	87-A70-231-080		C-VIB,XTAL 33.868MHZ HC-49/U0
C224	87-A11-973-080		C-CAP,E 1000-6.3 M 10.5L MV	X3	87-A70-194-080		C-VIB,XTAL 20MHZ HC-49/U03C
C225	87-016-081-080		C-CAP,S 0.1-16 RK				
C240	87-010-145-080		C-CAP,S 1P-50 CH				
C242	87-010-805-080		CAP, S 1-16				
C246	87-010-805-080		CAP, S 1-16				
C247	87-010-805-080		CAP, S 1-16				
C248	87-016-081-080		C-CAP,S 0.1-16 RK				
C250	87-A11-978-080		C-CAP,E 10-35 M 5.5L MV				
C251	87-016-081-080		C-CAP,S 0.1-16 RK				
C253	87-A11-978-080		C-CAP,E 10-35 M 5.5L MV				
C702	87-016-081-080		C-CAP,S 0.1-16 RK				

- Regarding connectors, they are not stocked as they are not the initial order items.
The connectors are available after they are supplied from connector manufacturers upon the order is received.

チップ抵抗部品コード／CHIP RESISTOR PART CODE

チップ抵抗部品コードの成り立ち

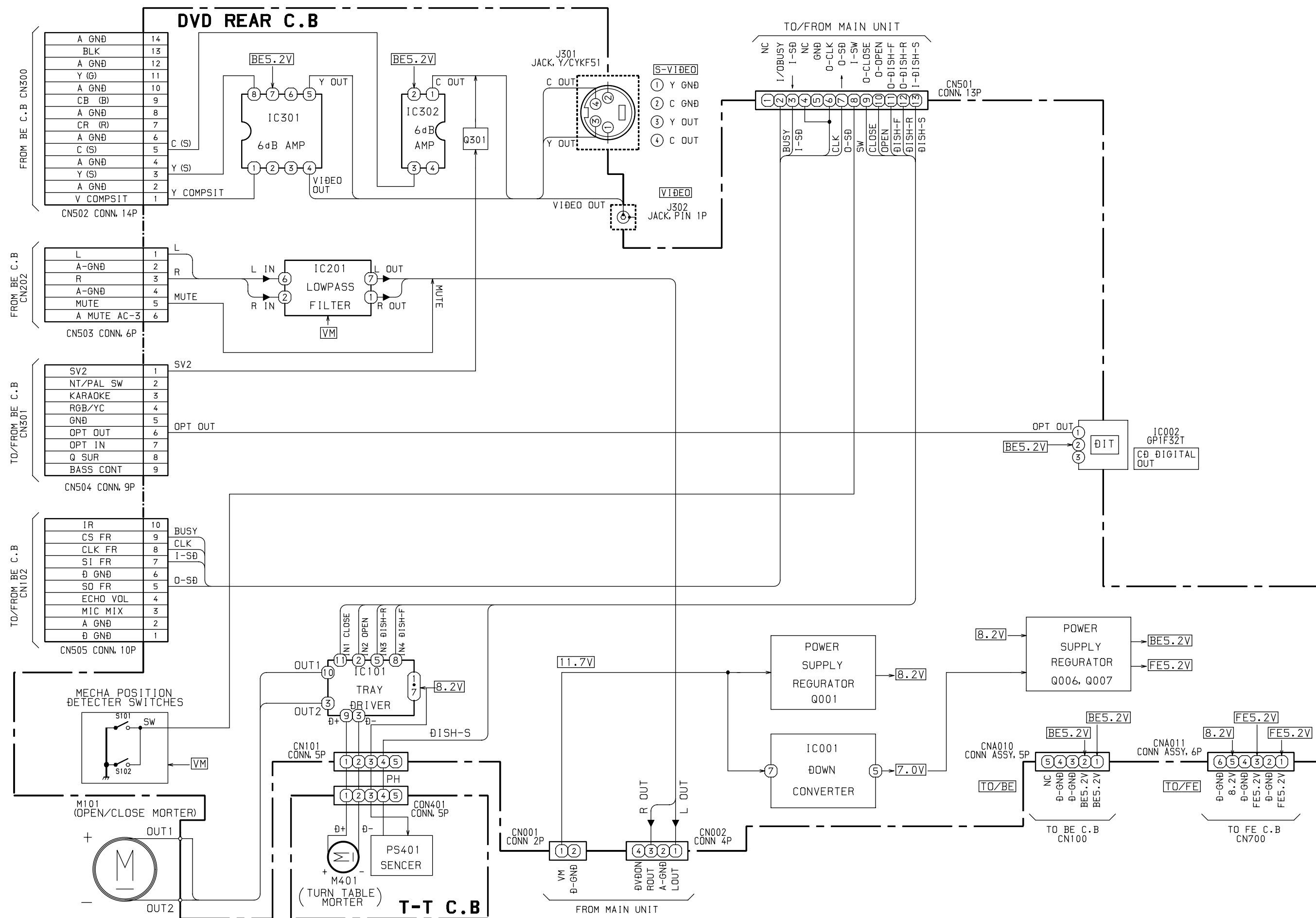
Chip Resistor Part Coding



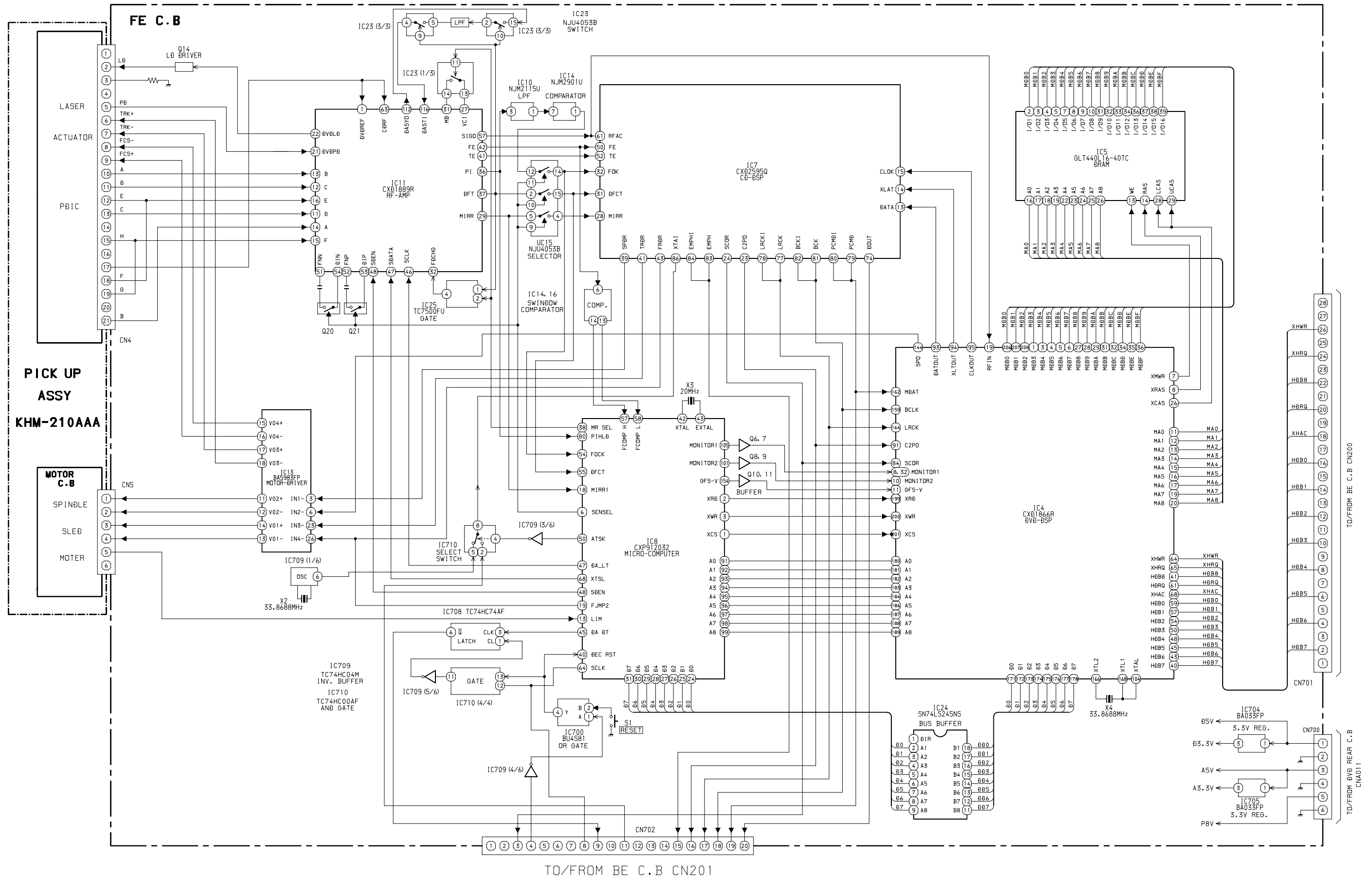
チップ抵抗
Chip resistor

容量 Wattage	種類 Type	許容誤差 Tolerance	記号 Symbol	寸法／Dimensions (mm)				抵抗コード : A Resistor Code : A
				外形／Form	L	W	t	
1/16W	1005	± 5%	CJ		1.0	0.5	0.35	104
1/16W	1608	± 5%	CJ		1.6	0.8	0.45	108
1/10W	2125	± 5%	CJ		2	1.25	0.45	118
1/8W	3216	± 5%	CJ		3.2	1.6	0.55	128

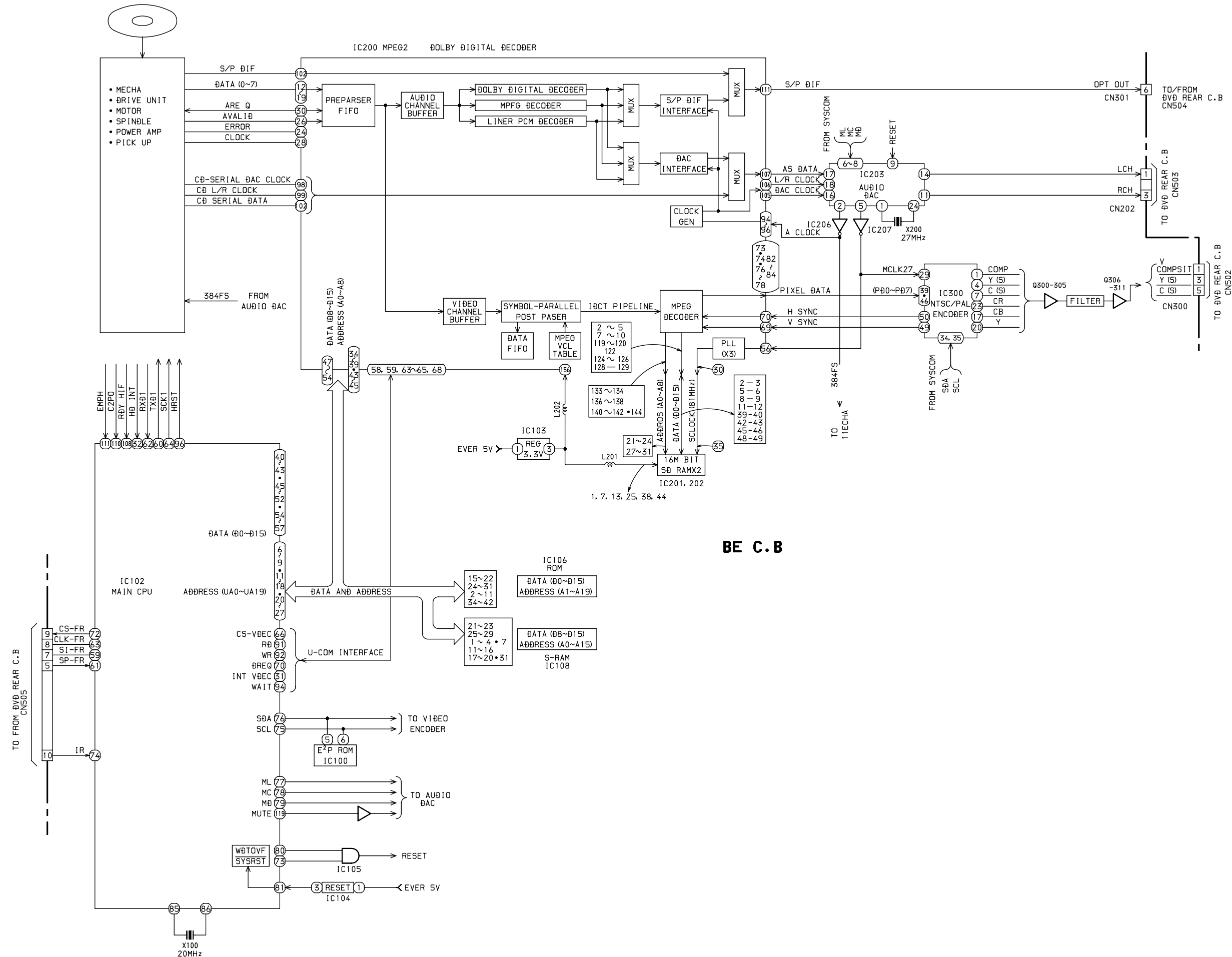
BLOCK DIAGRAM-1 (DVD VIDEO AMP/MECHA CONTROL)



BLOCK DIAGRAM-2 (RF AMP/CS DSP/DVD DSP)



BLOCK DIAGRAM-3 (CS DSP/A/D CONVERTER)





SCHEMATIC DIAGRAM-1 (DVD REAR/T-T/EXTENSION)

