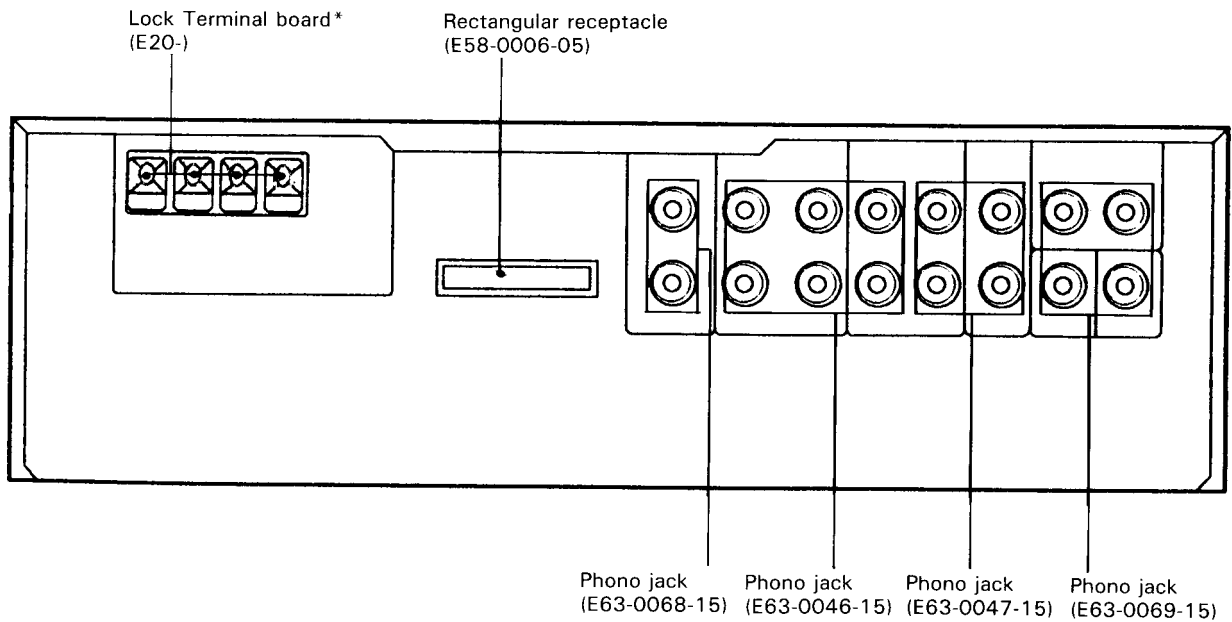
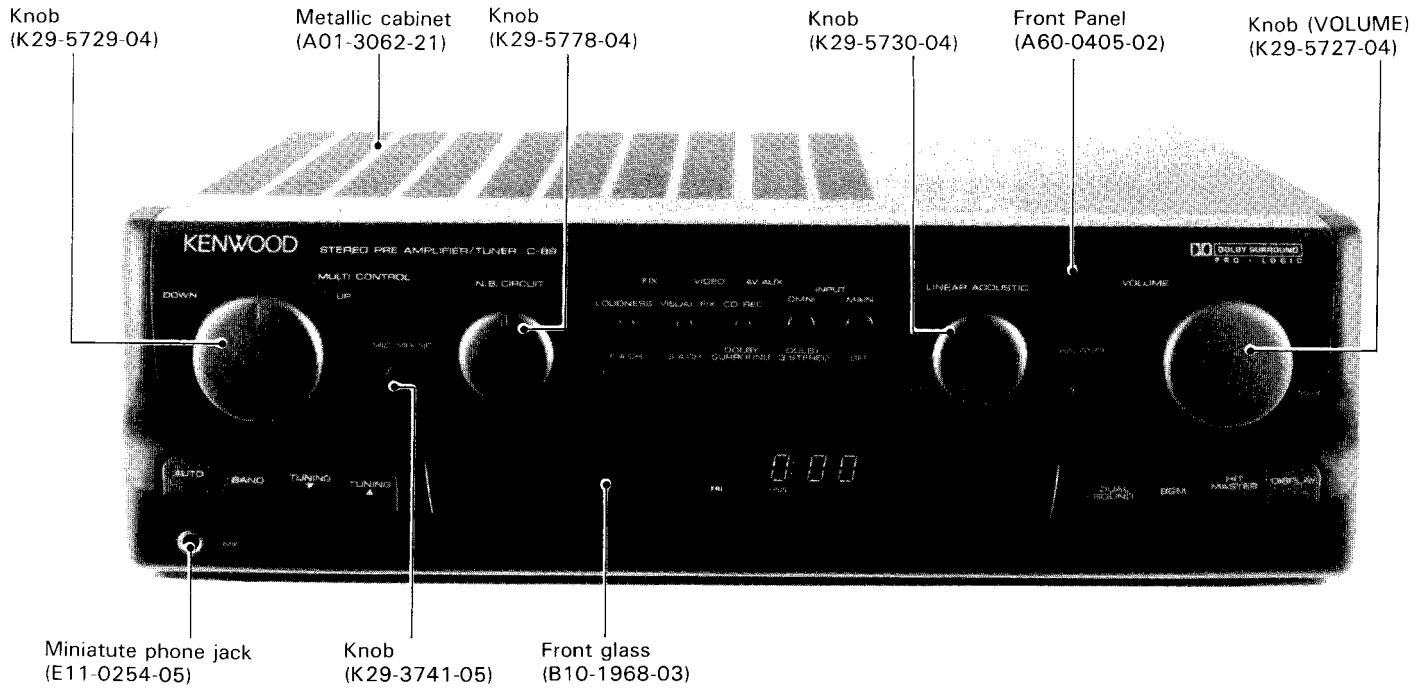


C-B9

SERVICE MANUAL (UD-901/951M)

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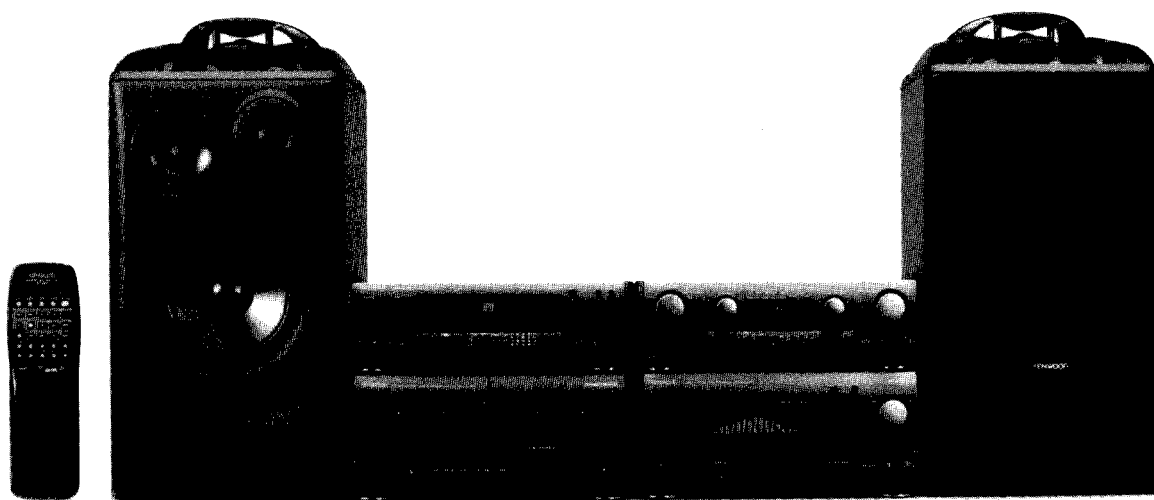
*Refer to parts list on page 28.

C-B9

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SYSTEM CONFIGURATION



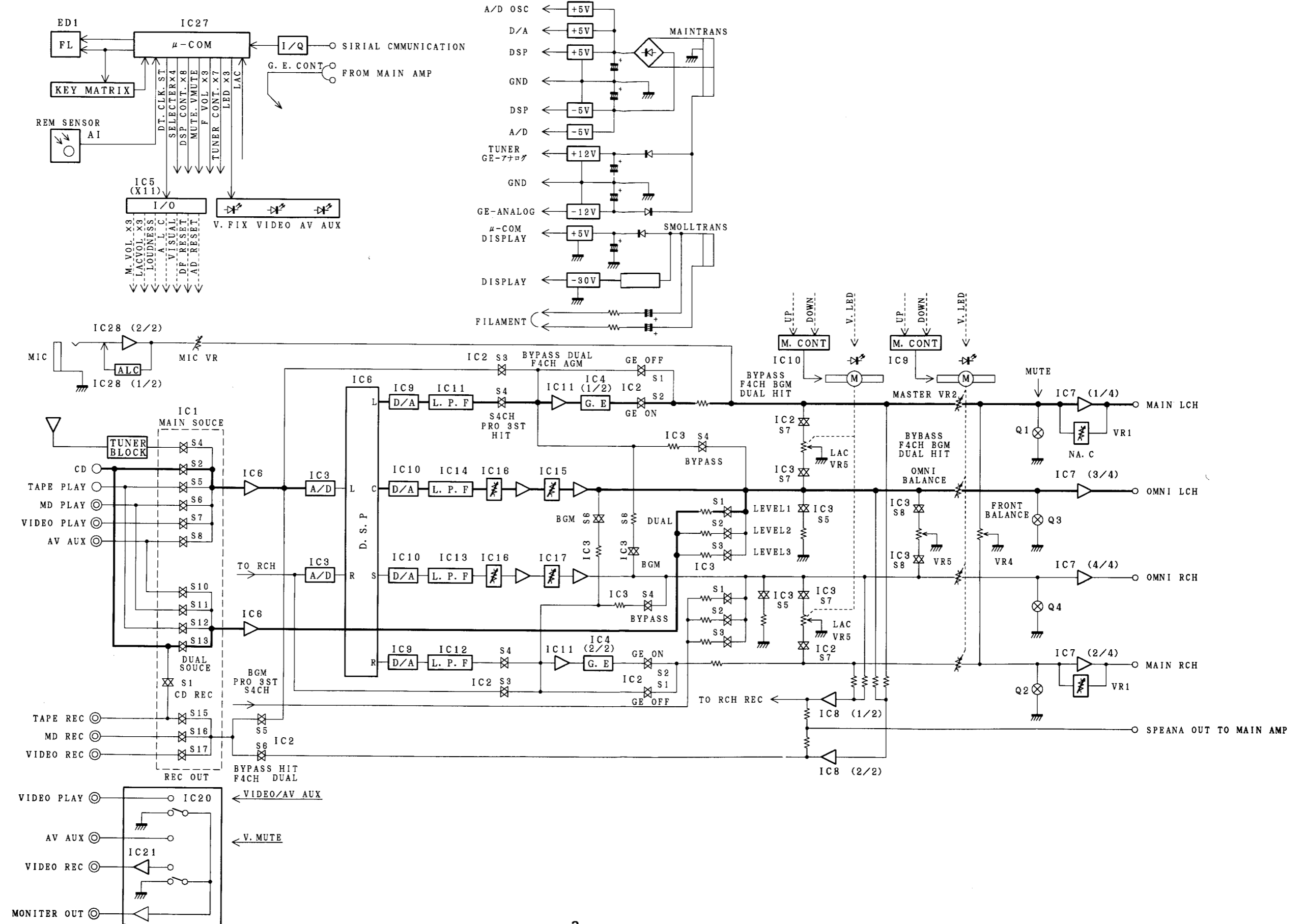
UD-901

SYSTEM	PRE AMP/TUNER	POWER AMP/GE	DECK	CD	OUTER CARTON CASE
UD-901	C-B9/L	B-B9	X-B9	DP-B9	H60-0172-04 : P (J) H60-0173-04 : E (J) H60-0187-04 : M (S)
UD-951	C-B9	B-B9	X-B9	DP-MB9	H60-0168-04 : P, M, X (J) H60-0169-04 : K (J) H60-0170-04 : E (J) H60-0174-04 : P, M, X (S) H60-0175-04 : P (W)

J : Japan made S : Singapore made W : Malaysia made

C-B9 C-B9

BLOCK DIAGRAM



CIRCUIT DESCRIPTION

Pin Description (M38174M8) (IC27: X08-)

PIN No.	PIN NAME	NAME	I/O	PIN PROCESSING	BACKUP	LOGIC	DESCRIPTION
1	P7 ₃ /AN ₃	PO	O	—	L	—	DSP (LC83016) control signal output
2	P7 ₂ /AN ₂	DSPRES	O	—	L	L	DSP (LC83016) reset
3	P7 ₁ /AN ₁	DSPSRDY	O	—	L	L	DSP (LC83016) control terminal
4	P7 ₀ /AN ₀	DSPSIK	I	—	—	L	DSP (LC83016) control terminal
5	P5 ₇ /SRDY ₂	DSPSIRQ	O	—	L	H	DSP (LC83016) control terminal
6	P5 ₆ /SCLK ₂	DSPSICK	O	—	L	H	DSP (LC83016) control terminal
7	P5 ₅ /SOUT ₂	DSPDATA	O	—	L	H	DSP (LC83016) control terminal
8	P5 ₄ /SIN ₂	SELST1	O	PD	L	H	STB of TC9274N
9	P5 ₃ /SRDY ₁	SELST2	O	PD	L	H	STB signal of TC9162 and 9164
10	P5 ₂ /SCLK ₁₁	SELCLK	O	PD	L	H	Clock signal of TC924N, 9162 and 9164
11	P5 ₁ /SOUT ₁	SELDATA	O	PD	L	H	Data signal of TC9274N, 9162 and 9164
12	P5 ₀ /SIN ₁	EXST	O	PD	L	L	Communication with NJU3711
13	P6 ₅	MUTE	O	PD	L	H	Mute H = MUTE OFF L = MUTE ON
14	P6 ₄	DFRESET	O	PD	L	L	Reset of digital filter
15	P6 ₃ /CNTR ₁	OMNILOUD	O	PU	L	L	Controls loudness when using omni SP
16	P6 ₂ /CNTR ₀	SBUSY	I/O	—	—	—	Serial communication with other equipment
17	P6 ₁ /PWM ₁	SDATA	I/O	—	—	—	Serial communication with other equipment
18	P6 ₀ /PWM ₀	IFCNT (DO)	I	PD	—	—	IF count signal from LC7218 (PLL IC)
19	P4 ₇ /T3OUT	PLLCE	O	PD	L	H	Communication to LC7218 (PLL IC)
20	P4 ₆ /T1OUT	PLLCLK	O	PD	L	H	Clock to LC7218 (PLL IC) and NJU3711
21	P4 ₅	PLLDATA	O	PD	L	H	Data to LC7218 (PLL IC) and NJU3711
22	P4 ₄ /INT ₄	TMUTE	O	PD	L	H	Tuner mute H = MUTE OFF L = MUTE ON
23	P4 ₃ /INT ₃	STEREO	I	PU	—	L	STEREO signal detection H = MONO L = STEREO
24	P4 ₂ /INT ₂	SD	I	PU	—	L	TUNE signal detection H: Detected L: Not detected
25	P4 ₁ /INT ₁	CE	I	—	—	H	Chip enable H→L: BACKUP IN
26	P4 ₀ /INT ₀	REMIN	I	—	—	—	Remote controller input optical signal
27	RESET	RESET	—	—	—	L	Reset terminal
28	XCIN	XCIN	—	—	—	—	32 kHz crystal oscillator input
29	XCOUT	XCOUT	—	—	—	—	32 kHz crystal oscillator output
30	XIN	XIN	—	—	—	—	6.3 MHz oscillator input
31	XOUT	XOUT	—	—	—	—	6.3 MHz oscillator output
32	VSS	VSS	—	—	—	—	GND
33	P2 ₇	EVCLK	O	—	L	—	Clock of electronic potentiometer (TC9213)
34	P2 ₆	EVDATA	O	—	L	—	Data of electronic potentiometer (TC9213)
35	P2 ₅	EVSTB	O	—	L	H	STB of electronic potentiometer (TC9213)
36	P2 ₄	ALC	O	—	H	L	Automatic level control. Set to "L" during recording. It has the function of suppressing the microphone input signal, with the purpose of preventing distortion in the recording.
37	P2 ₃	KR4	I	PD	—	—	Key return input
38	P2 ₂	KR3	I	PD	—	—	Key return input
39	P2 ₁	KR2	I	PD	—	—	Key return input
40	P2 ₀	KR1	I	PD	—	—	Key return input

Pin Processing: OP = Open, G = Vss, B = Vdd, BE = +5V, PU = Pull Up, PD = Pull Down

CIRCUIT DESCRIPTION

Pin Description (M38174M8) (IC27: X08-)

PIN No.	PIN NAME	NAME	I/O	PIN PROCESSING	BACKUP	LOGIC	DESCRIPTION
41	P1 ₇ /DIG ₁₅	FIXLED	O	—	L	H	V. FIX LED H = ON L = OFF
42	P1 ₆ /DIG ₁₄	VIDEOLED	O	—	L	H	VIDEO LED H = ON L = OFF
43	P1 ₅ /DIG ₁₃	AVAUOLED	O	—	L	H	AVAUOLED H = ON L = OFF
44	P1 ₄ /DIG ₁₂	1G	O	—	L	H	Grid terminal of fluorescent character display tube
45	P1 ₃ /DIG ₁₁	2G	O	—	L	H	Grid terminal of fluorescent character display tube
46	P1 ₂ /DIG ₁₀	3G	O	—	L	H	Grid terminal of fluorescent character display tube
47	P1 ₁ /DIG ₉	4G	O	—	L	H	Grid terminal of fluorescent character display tube
48	P1 ₀ /DIG ₈	5G	O	—	L	H	Grid terminal of fluorescent character display tube
49	P0 ₇ /SEG ₂₃	6G	O	—	L	H	Grid terminal of fluorescent character display tube
50	P0 ₆ /SEG ₂₂	7G	O	—	L	H	Grid terminal of fluorescent character display tube
51	P0 ₅ /SEG ₂₁	8G	O	—	L	H	Grid terminal of fluorescent character display tube
52	P0 ₄ /SEG ₂₀	9G	O	—	L	H	Grid terminal of fluorescent character display tube
53	P0 ₃ /SEG ₁₉	10G	O	—	L	H	Grid terminal of fluorescent character display tube
54	P0 ₂ /SEG ₁₈	S	O	—	L	H	Segment terminal of fluorescent character display tube
55	P0 ₁ /SEG ₁₇	R	O	—	L	H	Segment terminal of fluorescent character display tube
56	P0 ₀ /SEG ₁₆	Q	O	—	L	H	Segment terminal of fluorescent character display tube
57	P3 ₇ /SEG ₁₅	P	O	—	L	H	Segment terminal of fluorescent character display tube
58	P3 ₆ /SEG ₁₄	O	O	—	L	H	Segment terminal of fluorescent character display tube
59	P3 ₅ /SEG ₁₃	S1	O	—	L	H	Segment terminal of fluorescent character display tube
60	P3 ₄ /SEG ₁₂	S2	O	—	L	H	Segment terminal of fluorescent character display tube
61	P3 ₃ /SEG ₁₁	S11	O	—	L	H	Segment terminal of fluorescent character display tube
62	P3 ₂ /SEG ₁₀	S10	O	—	L	H	Segment terminal of fluorescent character display tube
63	P3 ₁ /SEG ₉	S9	O	—	L	H	Segment terminal of fluorescent character display tube
64	P3 ₀ /SEG ₈	S4	O	—	L	H	Segment terminal of fluorescent character display tube
65	P8 ₇ /SEG ₇	S5	O	PD	L	H	Segment terminal of fluorescent character display tube
66	P8 ₆ /SEG ₆	S14	O	PD	L	H	Segment terminal of fluorescent character display tube
67	P8 ₅ /SEG ₅	S13	O	PD	L	H	Segment terminal of fluorescent character display tube
68	P8 ₄ /SEG ₄	S3	O	PD	L	H	Segment terminal of fluorescent character display tube
69	P8 ₃ /SEG ₃	S12	O	PD	L	H	Segment terminal of fluorescent character display tube
70	P8 ₂ /SEG ₂	S8	O	PD	L	H	Segment terminal of fluorescent character display tube
71	P8 ₁ /SEG ₁	S7	O	PD	L	H	Segment terminal of fluorescent character display tube
72	P8 ₀ /SEG ₀	S6	O	PD	L	H	Segment terminal of fluorescent character display tube
73	VDD	VDD	—	B	—	—	+5 V power supply
74	VEE	VEE	—	-30 V	—	—	-30 V power supply
75	AVSS	AVSS	—	G	—	—	A/D reference GND
76	VREF	VREF	—	BE	—	—	A/D reference power supply (+5 V)
77	P7 ₇ /AN ₇	ALACDT	8 bit A/D	—	—	—	L.A.C position detector 0V to 5V (Analog input)
78	P7 ₆ /AN ₆	VMUTE	O	PU	L	H	Video mute
79	P7 ₅ /AN ₅	NOISE	A/D	PD	L	—	DSP (LC83016) noise detection
80	P7 ₄ /AN ₄	P1	O	—	—	—	DSAP (LC83016) control signal output

Pin Processing: OP = Open, G = Vss, B = Vdd, BE = +5V, PU = Pull Up, PD = Pull Down

CIRCUIT DESCRIPTION

Pin Description (NJU3711) (8 bit Serial-Paralle Converter IC) (IC-5: X11)

PIN No.	PIN NAME	NAME	I/O	PIN PROCESSING	BACKUP	LOGIC	DESCRIPTION
1	P3	MVOLLED	O	—	L	—	Motor volume LED
2	P4	MVOLUP	O	—	L	—	Motor volume UP
3	P5	MVOLDWN	O	—	L	—	Motor volume DOWN
4	VSS	VSS	—	—	—	—	GND
5	P6	LVOLLED	O	—	L	—	L.A.C. volume LED
6	P7	LVOLUP	O	—	L	—	L.A.C. volume UP
7	P8	LVOLDWN	O	—	L	—	L.A.C. volume DOWN
8	DATA	DATA	I	—	—	—	Serial data input terminal
9	CLK	CLK	I	—	—	—	Clock signal input terminal
10	STB	STB	I	—	—	—	Strobe signal input terminal
11	CLR	CLR	I	—	—	—	Clear signal input terminal
12	P1	AVVIDEO	O	—	L	—	AV AUX/VIDEO selector control terminal H= VIDEO L= AVAUX
13	P2	LOUDNESS	O	—	L	—	LOUDNESS circuit control terminal L= LOUDNESS ON, H= LOUDNESS OFF
14	VDD	VDD	—	—	—	—	+5 V

Pin Processing: OP= Open, G= Vss, B= Vdd, BE= +5V, PU= Pull Up, PD= Pull Down

TEST MODE

1. Control Object

- FL.....CM1219C
- DSP.....LC83016
- PLL ICLC7218
- SELECTOR.....NJU7311L, NJU7313L, TC9274
- ELECTRICAL VOLTC9213
- VIDEO SELECTORCXA1558
- Expansion ICNJU3711

2. Conditions, depending on destination and model

Type	Diode SW (DS) terminal				BAND	Frequency range	Channel space	If	Ref frequency
	DS2	CHSP	DS1	DS0					
J	0	*	*	*	FM	76.0-90.0MHz	100kHz	- 10.7MHz	25kHz
					AM*1	531-1602kHz	9kHz	+ 450kHz	9kHz
K1	1	0	0	*	FM	87.5-108MHz	100kHz	+ 10.7MHz	25kHz
					AM	530-1610kHz	10kHz	+ 450MHz	10kHz
K2	1	0	1	*	FM	87.5-108MHz	100kHz	+ 10.7MHz	25kHz
					AM	530-1700kHz	10kHz	+ 450kHz	10kHz
E1	1	1	*	0	FM	87.5-108MHz	50kHz	+ 10.7MHz	25kHz
					AM	531-1602kHz	9kHz	+ 450kHz	9kHz
E2	1	1	*	1	FM	87.5-108MHz	50kHz	+ 10.7MHz	25kHz
					AM	531-1602kHz	9kHz	+ 450kHz	9kHz
					LW	153-279kHz	9kHz	+ 450kHz	9kHz

*1 Supporting AM STEREO broadcasting

Meaning of each diode SW

CHSP.....50 kHz/100 kHz

DS0LW YES/NO

DS1.....KTYPE WIDE/NARROW

DS2Domestic/Overseas

*Don't care

Equipment bound for M carry out K2 and E1 switching by changing over the CH and SP terminals by means of a switch.

3. TEST MODE WORKINGS BY SERIAL CODE INPUT

The operation becomes possible by entering the codes shown below.

When the codes shown below are received, the same codes are transmitted.

(1) Initialization by means of the main unit keys

- When the AC power cord is plugged in the electrical outlet while pushing the BGM key, the equipment is initialized.
- When the AC power cord is plugged in the electrical outlet or unplugged from the electrical outlet during the test mode selected by means of the main unit keys or during the test mode selected by serial communication, the equipment is initialized.

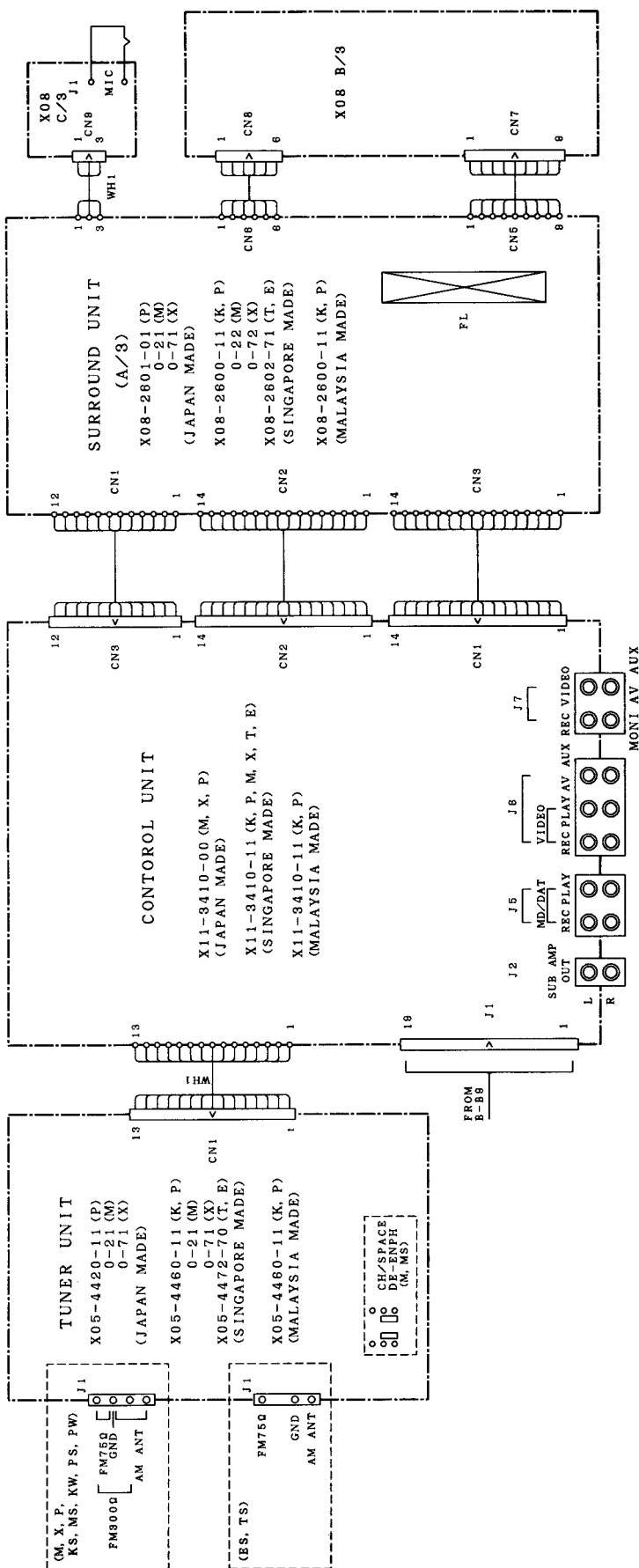
(2) POWER ON operation

- The POWER turns ON when the AC power source is connected while pushing the DUAL SOUND key. This form of POWER ON operation is the ordinary mode, different from the POWER ON operation in the test mode.

NAME	DATA	PROCESSING
TESTMODE START	C27F	The test mode starts.
POWER OFF	C200	The POWER turns OFF.
POWER ON	C201	The POWER turns ON.
MOTOR VOL UP	C224	The VOL volume turns UP
MOTOR VOL DOWN	C225	The VOL volume turns DOWN
LAC VOL UP	C22B	The LAC MOTOR VOL turns UP
LAC VOL DOWN	C22C	The LAC MOTOR VOL turns DOWN
LAC VOL STOP	C22D	The LAC MOTOR VOL STOPS.
ALL LIGHT UP OFF	C27B	The ALL LIT UP mode is canceled.
ALL LIGHT UP ON	C27C	All displays are lit up.
AMP INITIAL	C27D	Everything is cleared, and the amplifier is initialized.
TEST TONE OFF	C30C	The TEST TONE is tuned OFF.
TEST TONE ON	C30D	The TEST TONE is turned ON.
EQ OFF	C384	The EQ is turned OFF
EQ ON	C385	The EQ is turned ON
TEST MODE OFF	C27E	The test mode is turned OFF.
TAPE REC OUT CHECK	20A5	The TAPE terminal is switched to REC OUT.
TAPE PALY IN CHECK	2092	The TAPE terminal is switched to PLAY IN
TAPE STOP	2093	PLAY REC is canceled.

NOTE: This code is not accepted when the equipment is in the test mode. It is accepted during normal operation.

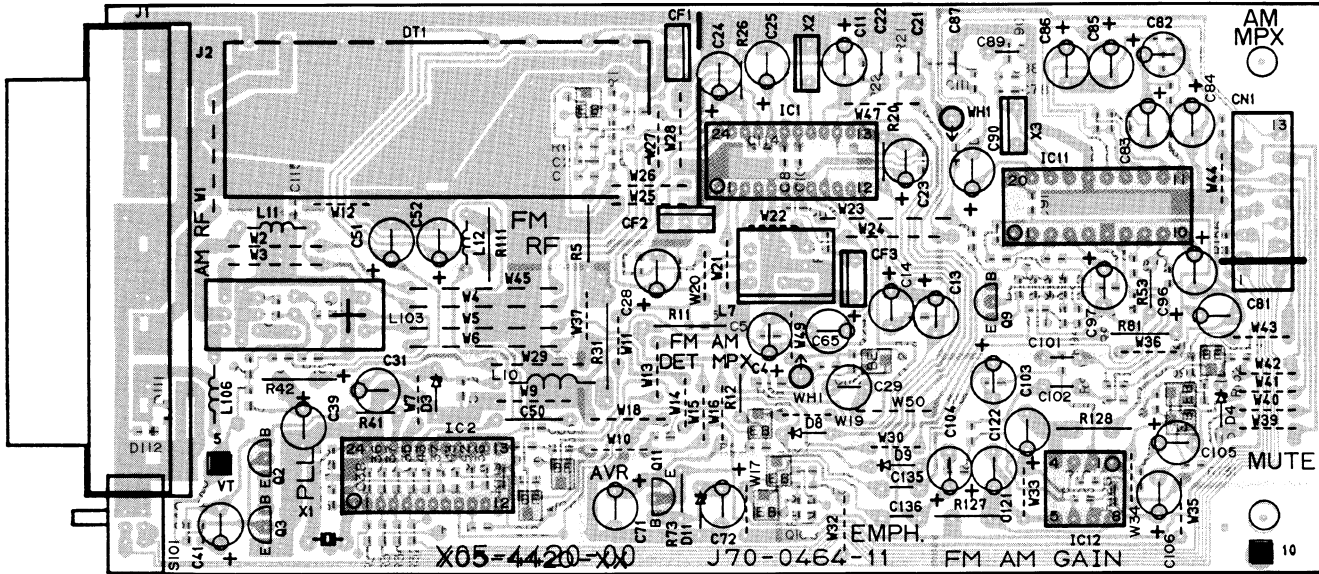
WIRING DIAGRAM



PC BOARD (Component side view)

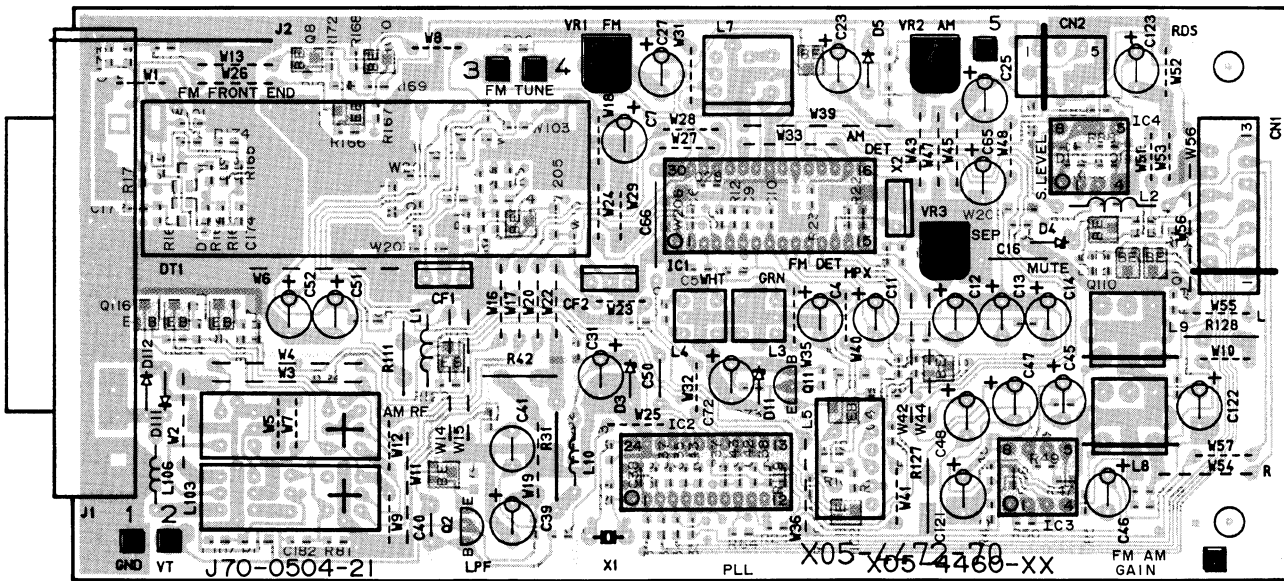
TUNER UNIT

- C-B9 : X05-4420-00 (JAPAN MADE)
- O-XX (JAPAN, MALAYSIA MADE)
- C-B9/L : X05-4460-XX (SINGAPORE MADE)



FRONT

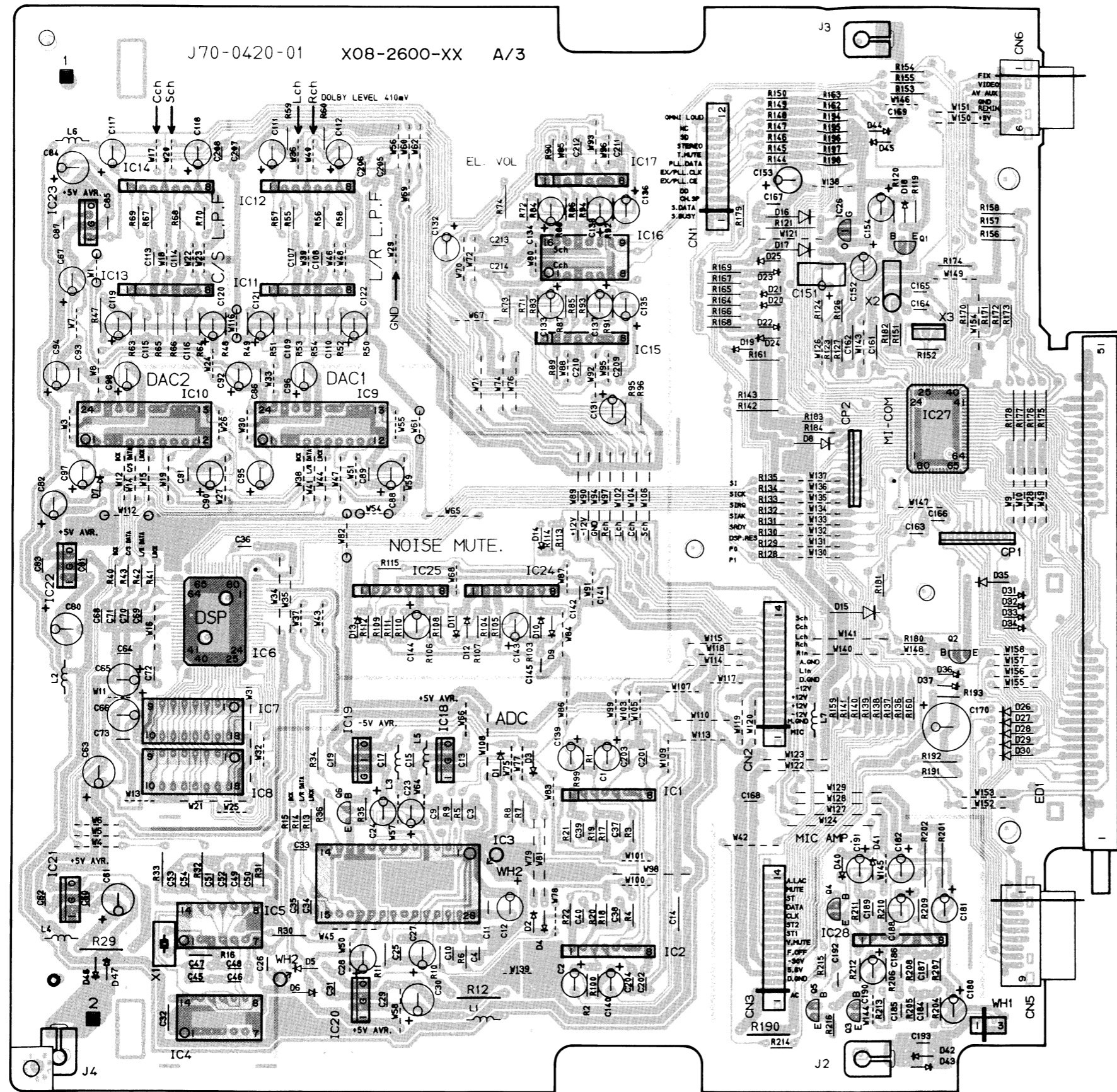
C-B9/L : X05-4472-70 (SINGAPORE MADE)



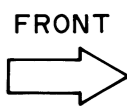
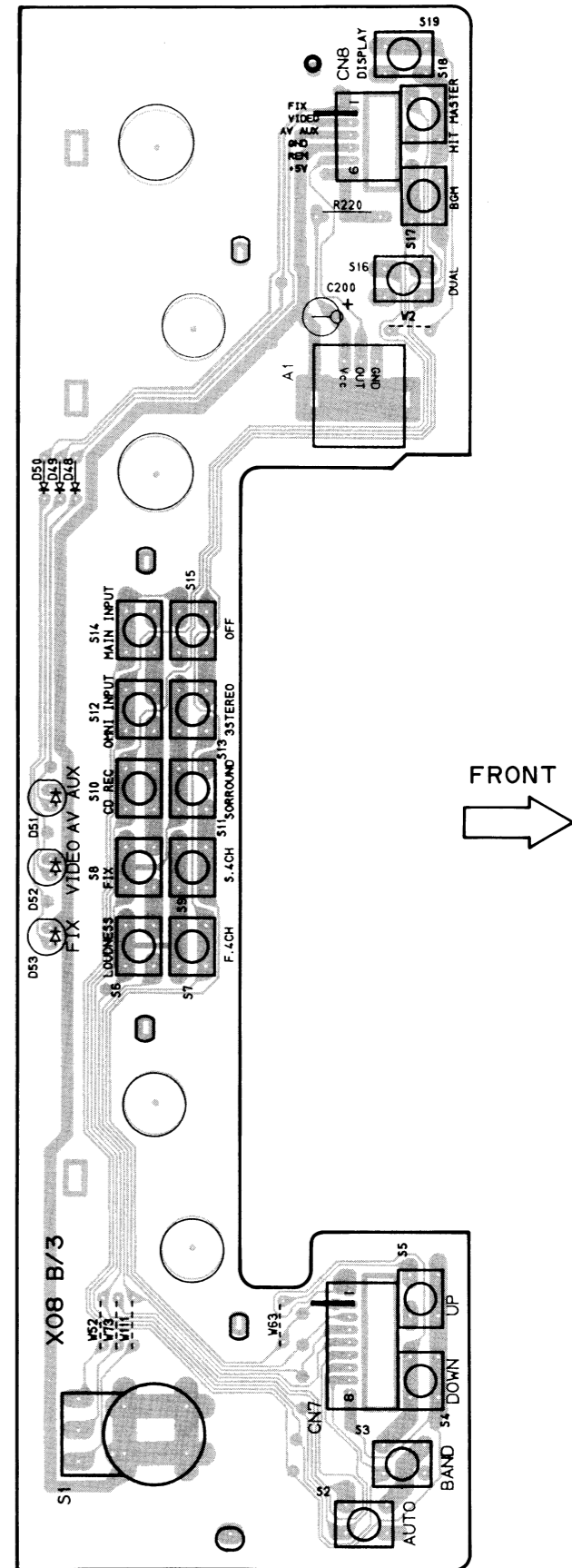
Refer to the schematic diagram for the values of resistors and capacitors.

PC BOARD (Component side view)

SURROUND UNIT (X08-260X-XX)

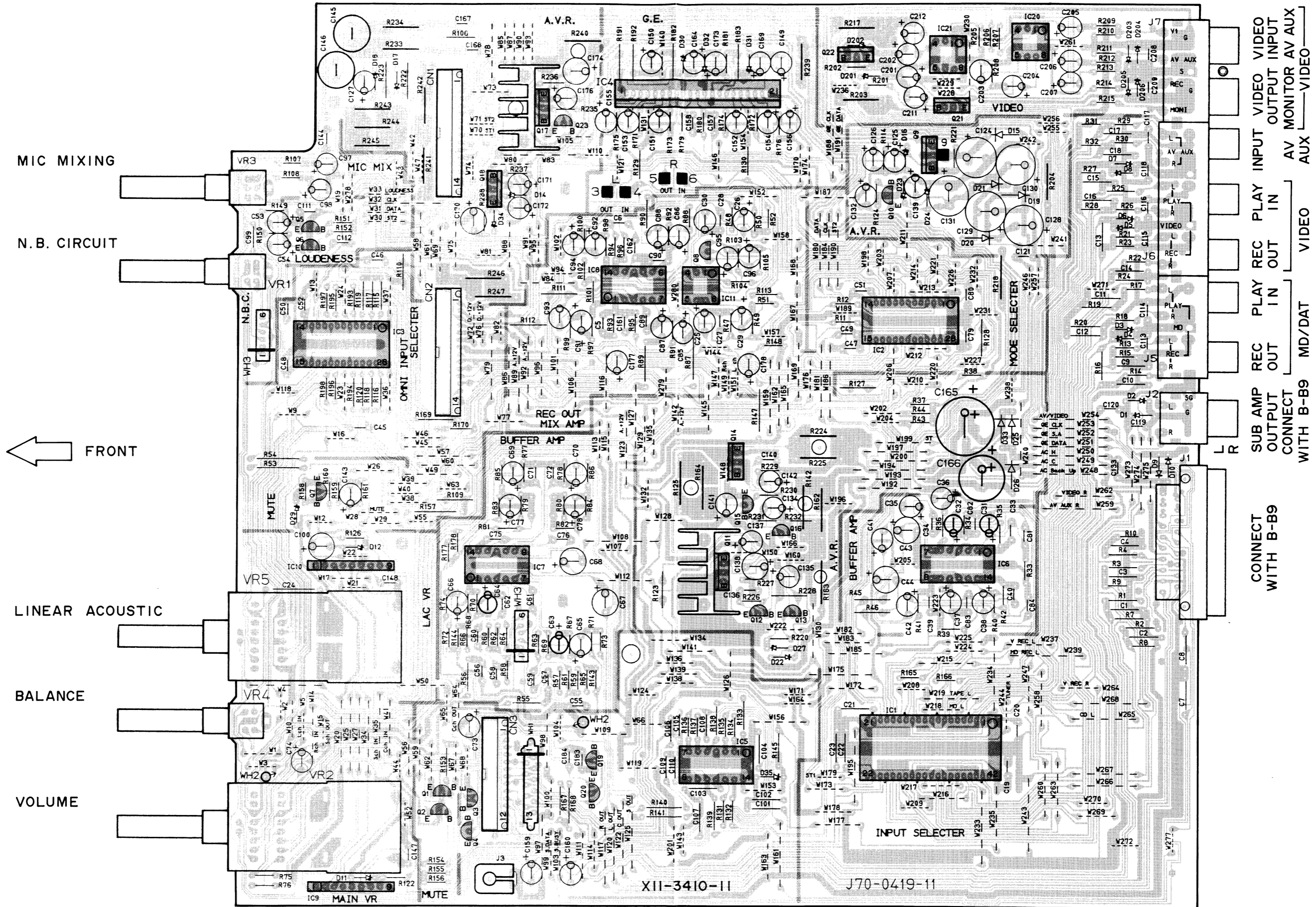


Refer to the schematic diagram for the values of resistors and capacitors.



PC BOARD (Component side view)

CONTROL UNIT (X11-3410-XX)



MIC MIXING
N.B. CIRCUIT

OMNI INPUT SELECTOR

FRONT

LINEAR ACOUSTIC
BALANCE

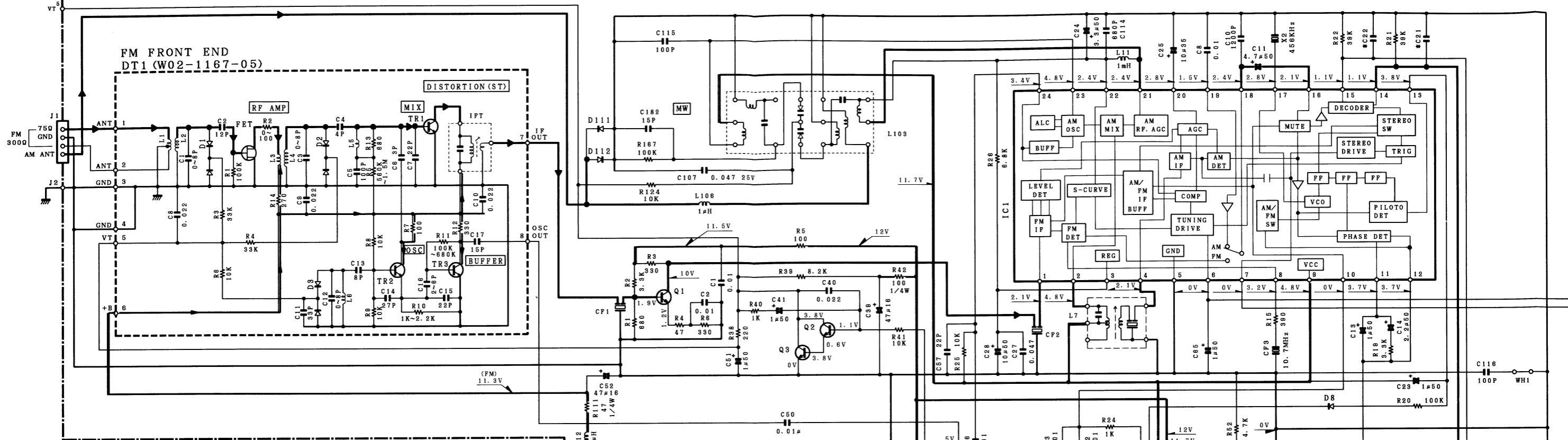
VOLUME

REC IN OUT
PLAY IN OUT
REC IN OUT
PLAY IN OUT
VIDEO
AV MONITOR AV AUX VIDEO

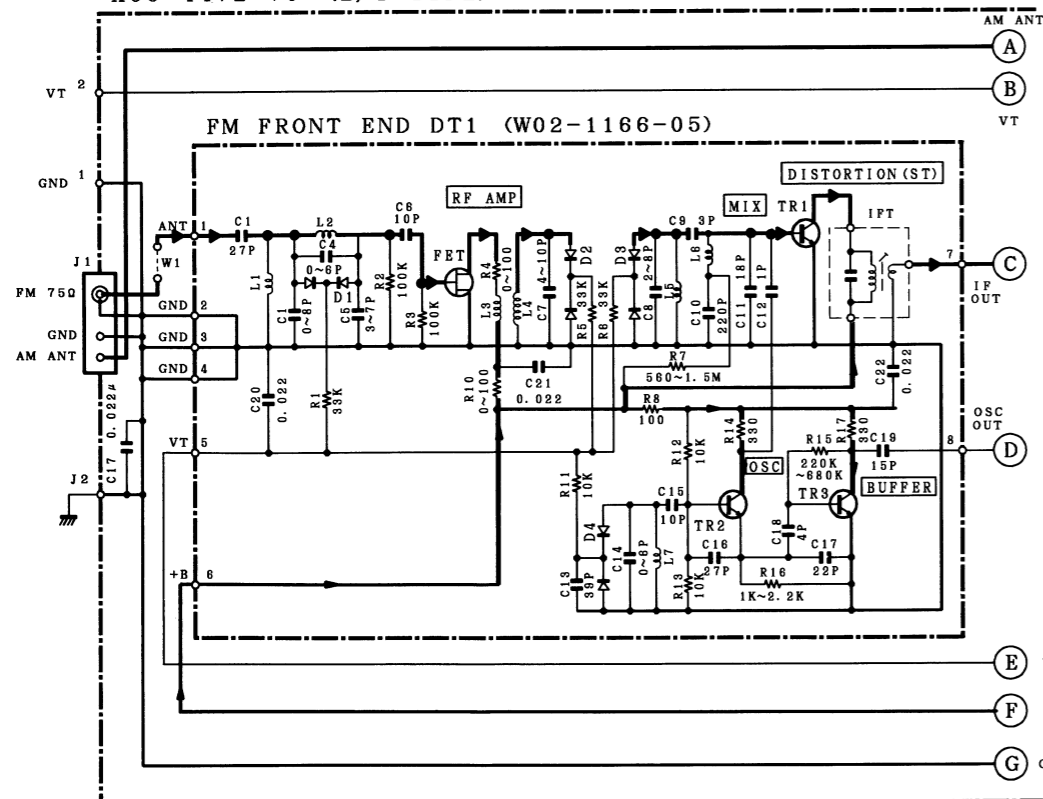
CONNECT WITH B-B9

SUB AMP OUTPUT CONNECT WITH B-B9

X05-44xx-xx (K, P, M, X TYPE)



X05-4472-70 (E, T TYPE)



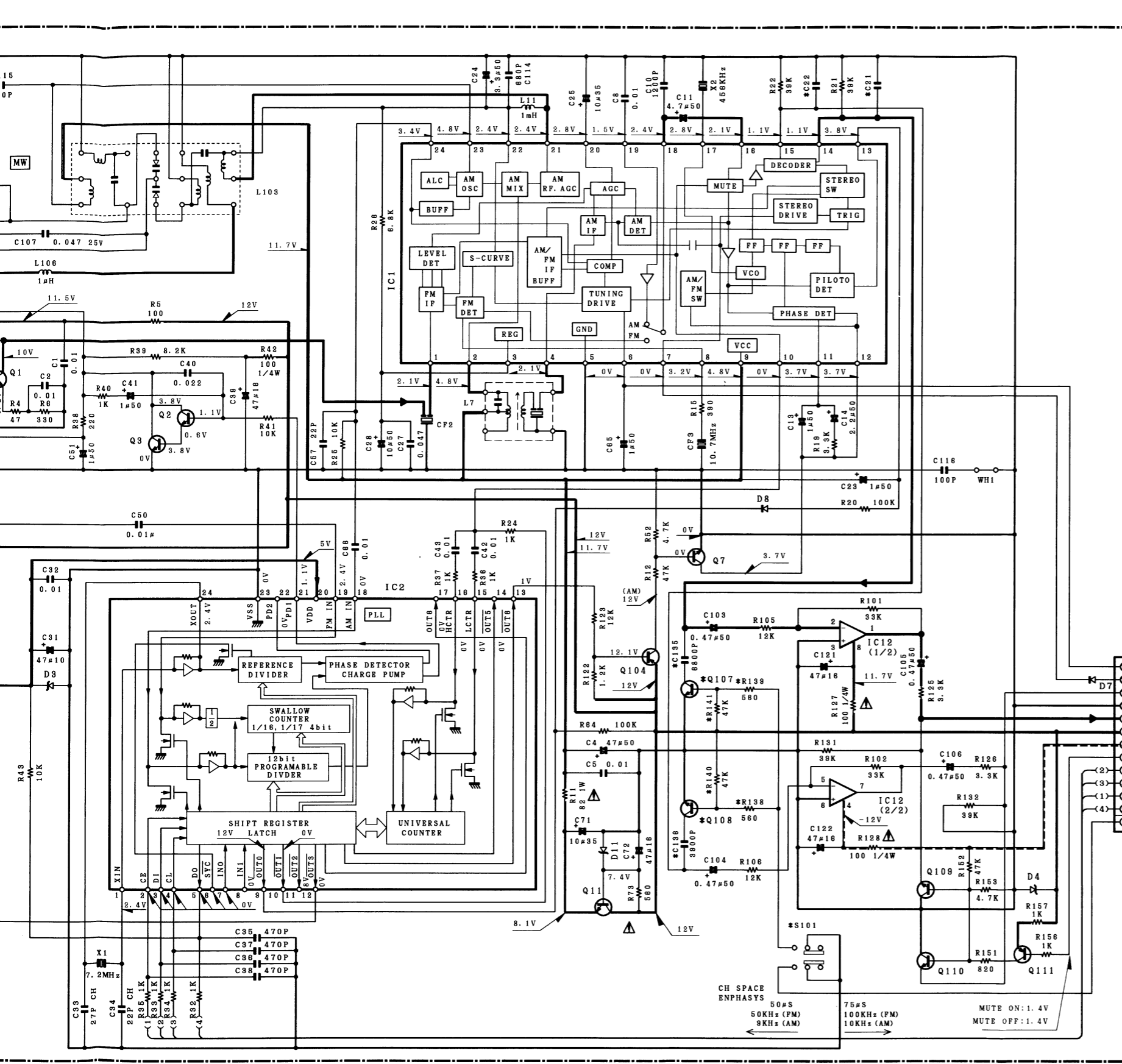
- | | | | | | |
|------|-----------|----------------|--------------------|--------------|-------------------|
| IC1 | :LA1831 | Q1 | :2SC2714 (R, O) | D3 | :HZS5. 1N (B2) |
| IC2 | :LC7218 | Q2 | :2SC1845 (F, E) | D4 | or RD5. 1ES (B2) |
| IC12 | :NJM45650 | Q3 | :2SC2458 (Y, GR) | | :HZS3. 3N (B2) |
| | | | or 2SC9311A (Q, R) | | or RD3. 3ES (B2) |
| | | | or 2SC1740S (Q, R) | D7, 111, 112 | :MA110 |
| | | | or 2SC2785 (F, E) | D8, 9 | :HSS104 or 1SS133 |
| | | Q7, 107~110 | :2SC2412K | D11 | :HZS8. 2N (B2) |
| | | Q11 | :2SD863 (E, F) | | or RD8. 2ES (B2) |
| | | Q102, 104, 111 | :2SA1037K | | |

UNIT	ABB	REF. NO	C21, 22	C135, 136
X05-4420-11	JAPAN MADE	P		
X05-4460-11	SINGAPORE	K, P	0. 024	NO
X05-4460-11	MALAYSIA MADE	M		
X05-4420-21	JAPAN MADE	M	0. 016	YES
X05-4460-21	SINGAPORE MADE	X		
X05-4420-71	JAPAN MADE	X	0. 016	NO
X05-4460-71	SINGAPORE MADE	X		

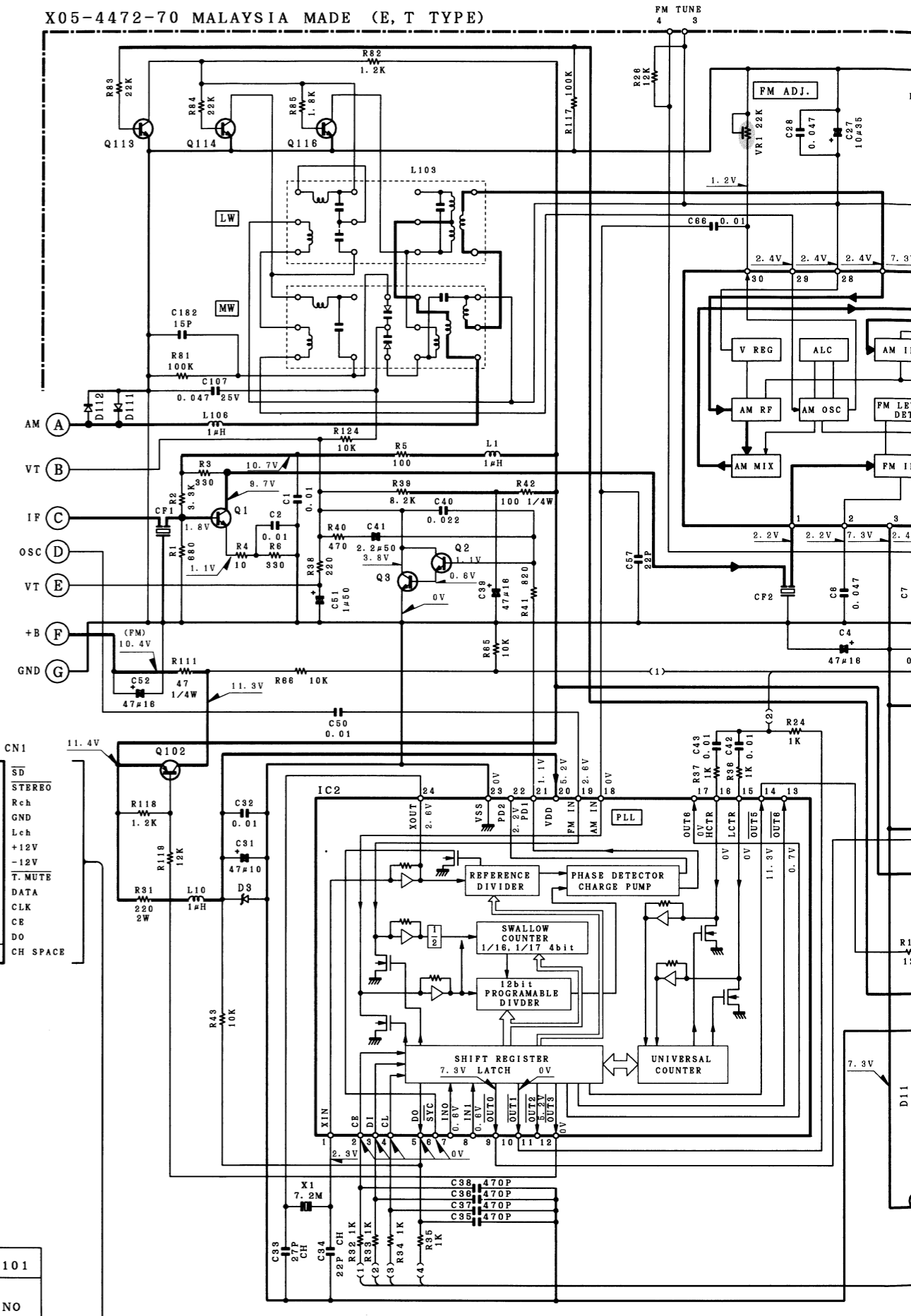
CH SPACE ENPHASIS 50μS
50KHz (FM)
9KHz (AM)

75μS
100KHz (FM)
10KHz (AM)

MUTE ON: 1.0V
MUTE OFF: 1.0V



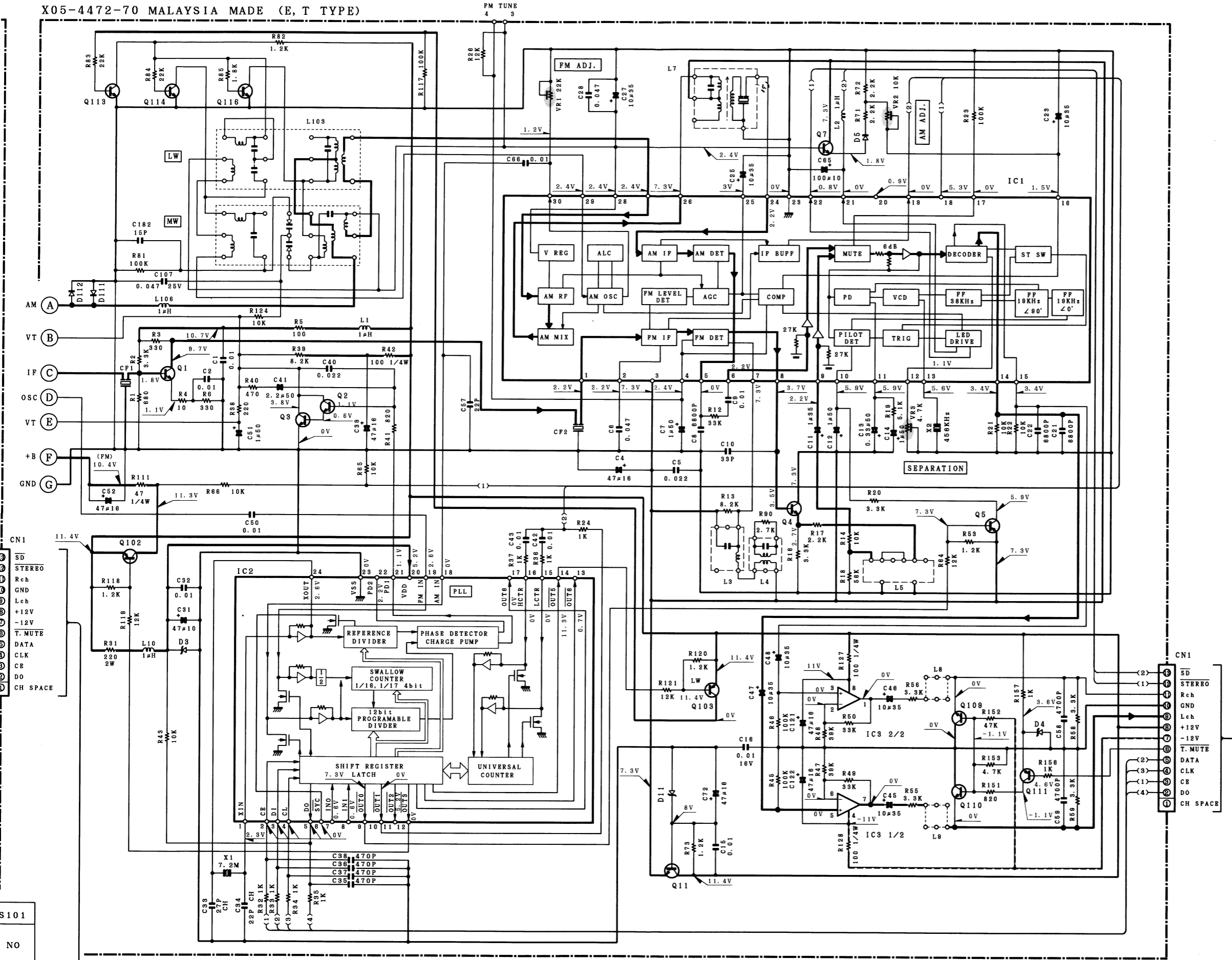
X05-4472-70 MALAYSIA MADE (E, T TYPE)



- Q1 : 2SC2714 (R, O)
- Q2 : 2SC1845 (F, E)
- Q3 : 2SC2458 (Y, GR)
or 2SC9311A (Q, R)
or 2SC1740S (Q, R)
or 2SC2785 (F, E)
- Q7, 107~110 : 2SC2412K
- Q11 : 2SD863 (E, F)
- Q102, 104, 111 : 2SA1037K
- D3 : HZS5. 1N (B2)
or RD5. 1ES (B2)
- D4 : HZS3. 3N (B2)
or RD3. 3ES (B2)
- D7, 111, 112 : MA110
- D8, 9 : HSS104 or 1SS133
- D11 : HZS8. 2N (B2)
or RD8. 2ES (B2)

UNIT	ABB	REF. NO	C21, 22	C135, 136	Q107, 108	S101
X05-4420-11	JAPAN MADE	P	CANADA			
X05-4460-11	SINGAPORE			0.024	NO	NO
X05-4460-11	MALAYSIA MADE	K, P	USA, CANADA			
X05-4420-21	JAPAN MADE	M	PX, OTHER AREAS	0.016	YES	YES
X05-4460-21	SINGAPORE MADE					
X05-4420-71	JAPAN MADE			0.016	NO	NO
X05-4460-71	SINGAPORE MADE	X	AUSTRALIA			

- IC1 : LA1851N
- IC2 : LC7218
- IC3 : NJM45650
- Q1 : 2SC2714 (R, O)
- Q2 : 2SC1845 (F, E)
- Q3, 4, 7, 109 : 2SC2412K
- Q5, 102, 103, 111 : 2SA1037K
- Q11 : 2SD863 (E, F)
- D3 : 2SD863 (E, F)
- D4 : 2SD863 (E, F)



S101	
NO	
YES	
NO	

IC1	: LA1851N	Q1	: 2SC2714 (R, O)	Q5, 102, 103, 111	: 2SA1037K	D3	: HZS5. 1N (B2)	D5, 111, 112	: HSS104 or 1SS133	Signal Line
IC2	: LC7218	Q2	: 2SC1845 (F, E)	Q11	: 2SD863 (E, F)	D4	: HZS3. 3N (B2)	D11	: HZS8. 2N (B2)	GND LINE
IC3	: NJM45650	Q3, 4, 7, 109, 110, 113, 114, 116	: 2SC2412K			D4	: HZS3. 3N (B2) or RD3. 3ES (B2)		: HZS8. 2ES (B2)	+B LINE
										-B LINE

DC voltages are as measured with a high impedance voltmeter with no signal input. Values may vary slightly due to variations between individual instruments or/and units.

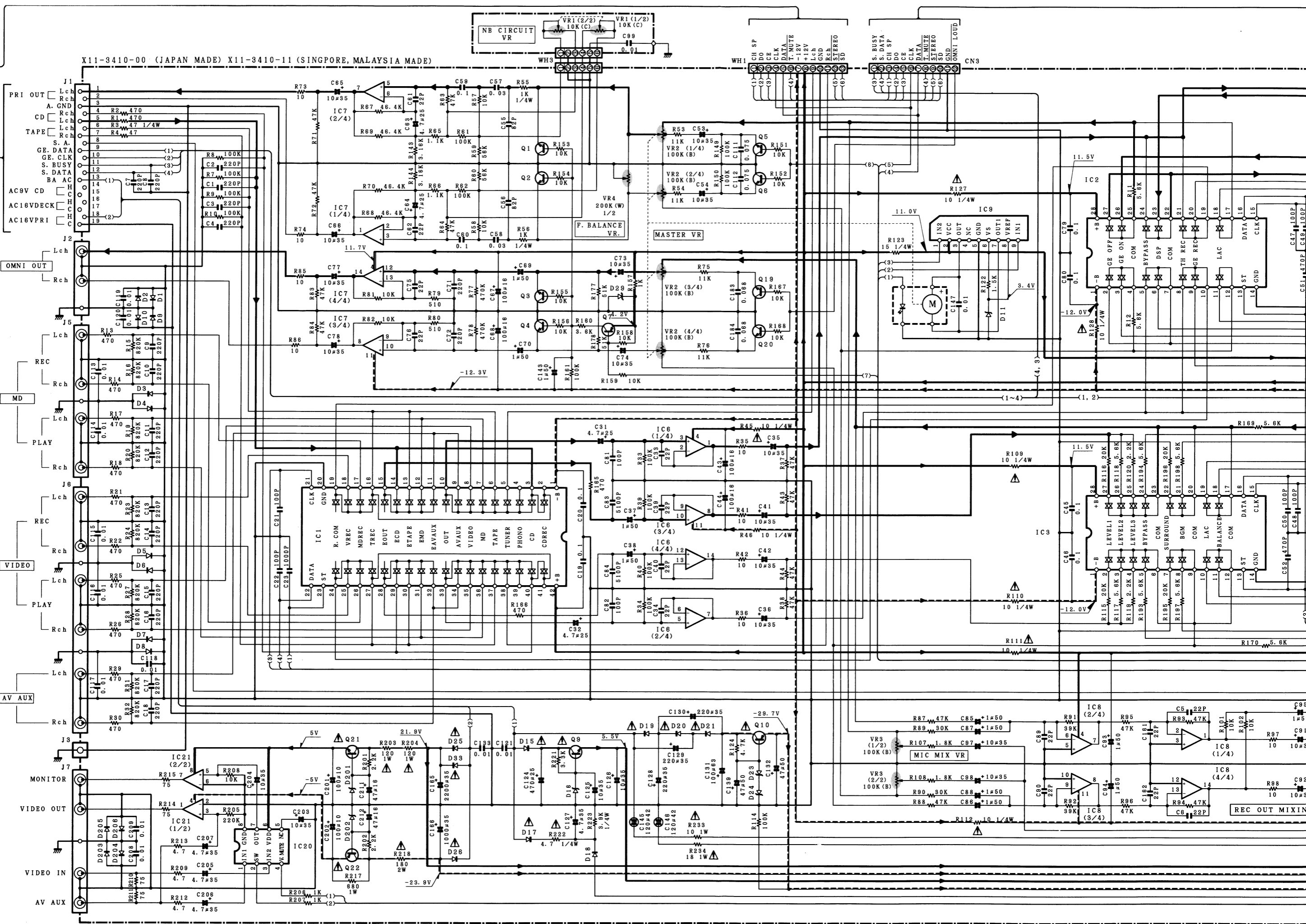
Les tensions c.c. doivent être mesurées avec un voltmètre à haute impédance sans signal d'entrée. Les valeurs peuvent différer légèrement du fait des variations inhérentes aux appareils et aux instruments de mesure individuels.

Die angegebenen Gleichspannungswerte wurden mit einem hochohmigen Spannungsmesser ohne Eingangssignal gemessen. Dabei schwanken die Meßwerte aufgrund von Unterschieden zwischen einzelnen Instrumenten oder Geräten u. U. geringfügig.

CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ⚠ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

X11-3410-00 (JAPAN MADE) X11-3410-11 (SINGAPORE, MALAYSIA MADE)

TO X05-CN1
TO B-B9



AF

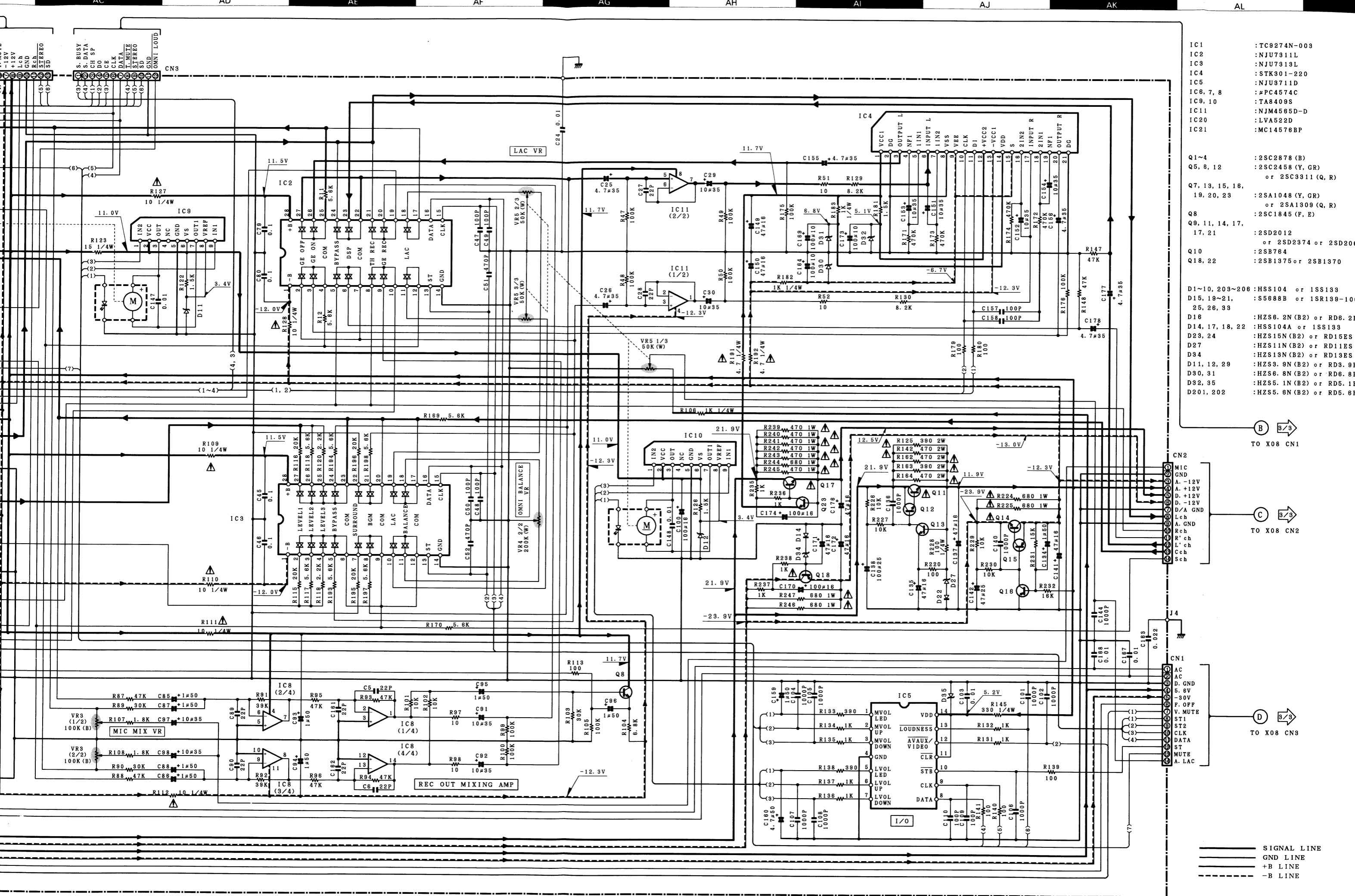
AE

AD

AC

AB

1/3



- IC1 : TC9274N-003
- IC2 : NJU7311L
- IC3 : NJU7313L
- IC4 : STK901-220
- IC5 : NJU3711D
- IC6, 7, 8 : μ PC4574C
- IC9, 10 : TA8409S
- IC11 : NJM4585D-D
- IC20 : LVA522D
- IC21 : MC14578BP

- Q1~4 : 2SC2878 (B)
- Q5, 8, 12 : 2SC2458 (Y, GR)
or 2SC3311 (Q, R)
- Q7, 13, 15, 18, 19, 20, 23 : 2SA1048 (Y, GR)
or 2SA1309 (Q, R)
- Q8 : 2SC1845 (F, E)
- Q9, 11, 14, 17, 17, 21 : 2SD2012
or 2SD2374 or 2SD2000
- Q10 : 2SB784
- Q18, 22 : 2SB1375 or 2SB1370

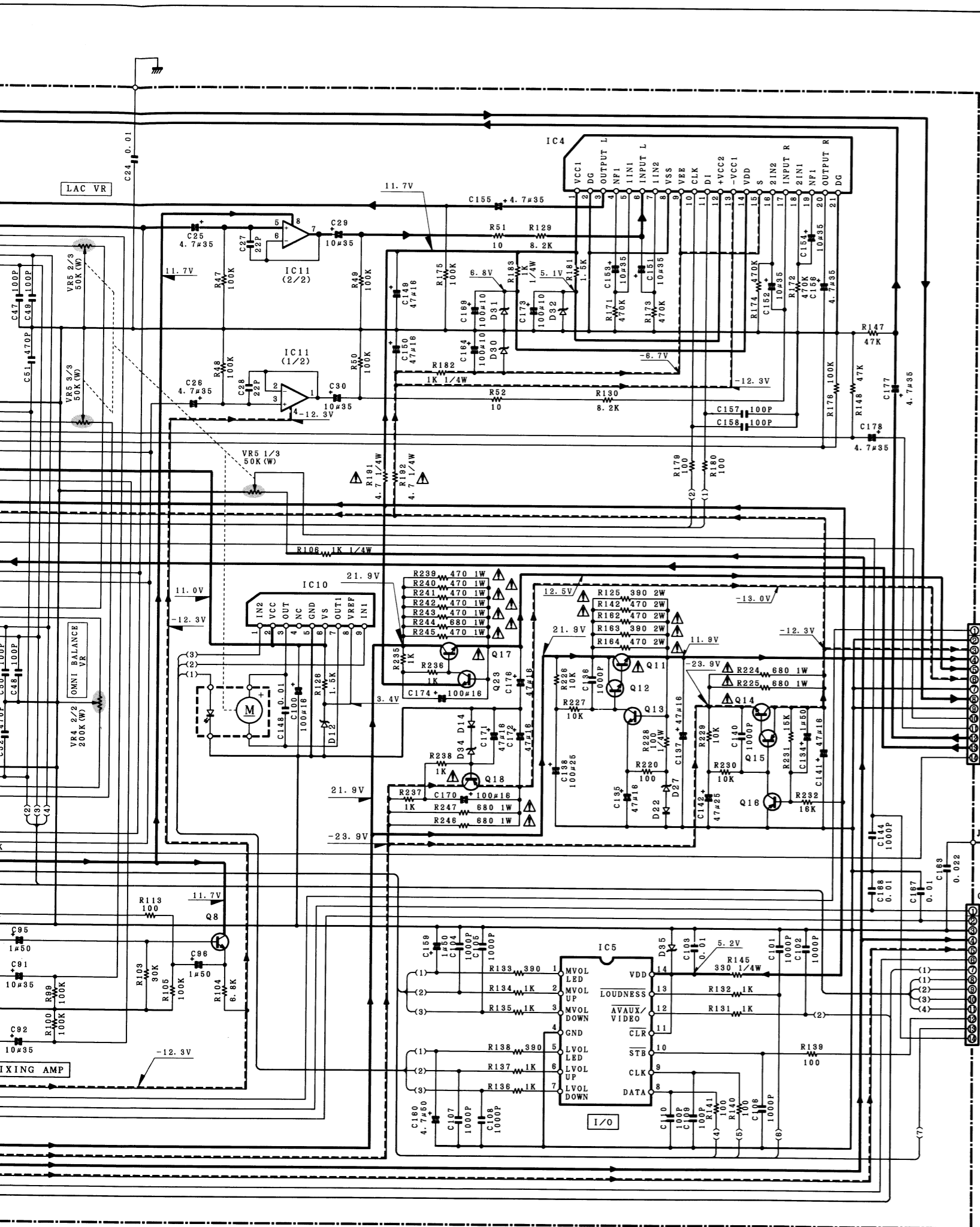
- D1~10, 203~208 : HSS104 or 1SS133
- D15, 19~21, 25, 26, 33 : S5888B or 1SR139-10
- D16 : HZS6.2N (B2) or RD6.2N
- D14, 17, 18, 22 : HSS104A or 1SS133
- D23, 24 : HZS15N (B2) or RD15ES
- D27 : HZS11N (B2) or RD11ES
- D34 : HZS13N (B2) or RD13ES
- D11, 12, 29 : HZS3.9N (B2) or RD3.9N
- D30, 31 : HZS6.8N (B2) or RD6.8N
- D32, 35 : HZS5.1N (B2) or RD5.1N
- D201, 202 : HZS5.6N (B2) or RD5.6N

(B) 3/3
TO X08 CN1

(C) 3/3
TO X08 CN2

(D) 3/3
TO X08 CN3

— SIGNAL LINE
 — GND LINE
 — +B LINE
 - - - -B LINE

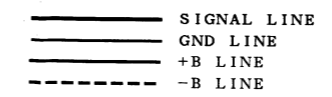


- IC1 : TC9274N-003
 - IC2 : NJU7311L
 - IC3 : NJU7313L
 - IC4 : STK301-220
 - IC5 : NJU3711D
 - IC6, 7, 8 : #PC4574C
 - IC9, 10 : TA8409S
 - IC11 : NJM4565D-D
 - IC20 : LVA522D
 - IC21 : MC14578BP
-
- Q1~4 : 2SC2878 (B)
 - Q5, 6, 12 : 2SC2458 (Y, GR)
or 2SC3311 (Q, R)
 - Q7, 13, 15, 16, 19, 20, 23 : 2SA1048 (Y, GR)
or 2SA1309 (Q, R)
 - Q8 : 2SC1845 (F, E)
 - Q9, 11, 14, 17, 17, 21 : 2SD2012
or 2SD2374 or 2SD2061
 - Q10 : 2SB764
 - Q18, 22 : 2SB1375 or 2SB1370
-
- D1~10, 203~208 : HSS104 or 1SS133
 - D15, 19~21, 25, 26, 33 : S5688B or 1SR198-100
 - D18 : HZS6.2N (B2) or RD6.2ES (B2)
 - D14, 17, 18, 22 : HSS104A or 1SS133
 - D23, 24 : HZS15N (B2) or RD15ES (B2)
 - D27 : HZS11N (B2) or RD11ES (B2)
 - D34 : HZS13N (B2) or RD13ES (B2)
 - D11, 12, 29 : HZS3.9N (B2) or RD3.9ES (B2)
 - D30, 31 : HZS6.8N (B2) or RD6.8ES (B2)
 - D32, 35 : HZS5.1N (B2) or RD5.1ES (B2)
 - D201, 202 : HZS5.8N (B2) or RD5.6ES (B2)

(B) TO X08 CN1

(C) TO X08 CN2

(D) TO X08 CN3



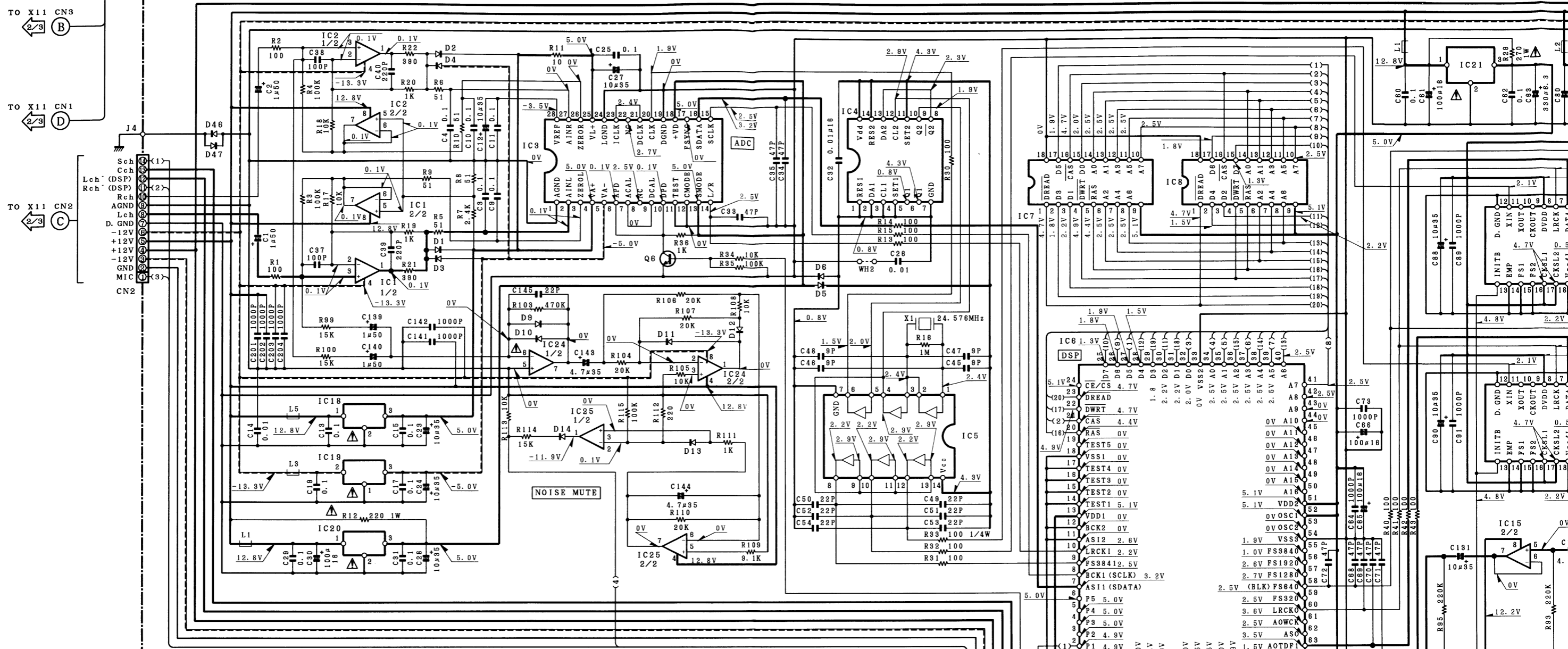
DC voltages are as measured with a high impedance voltmeter with no signal input. Values may vary slightly due to variations between individual instruments or/and units.

Les tensions c.c. doivent être mesurées avec un voltmètre à haute impédance sans signal d'entrée. Les valeurs peuvent différer légèrement du fait des variations inhérentes aux appareils et aux instruments de mesure individuels.

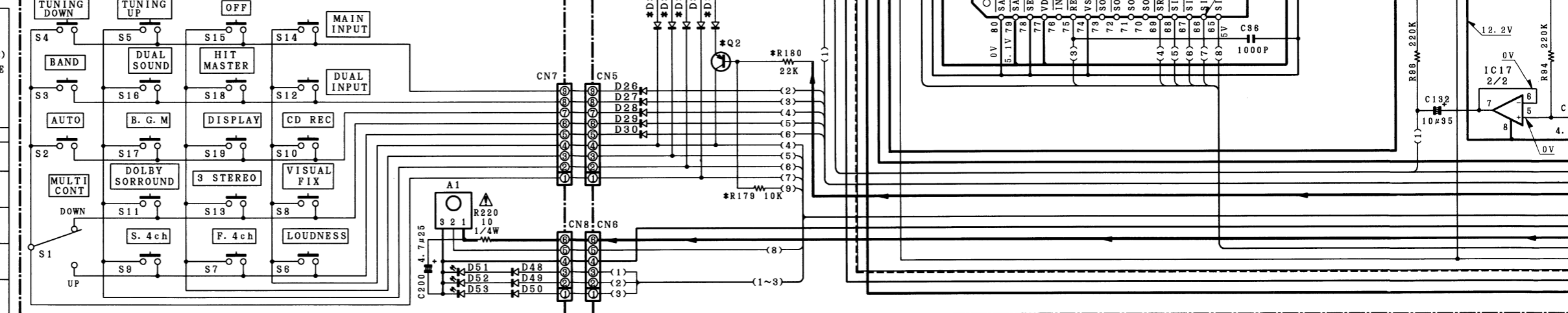
Die angegebenen Gleichspannungswerte wurden mit einem hochohmigen Spannungsmesser ohne Eingangssignal gemessen. Dabei schwanken die Meßwerte aufgrund von Unterschieden zwischen einzelnen Instrumenten oder Geräten u. U. geringfügig.

CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). Δ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

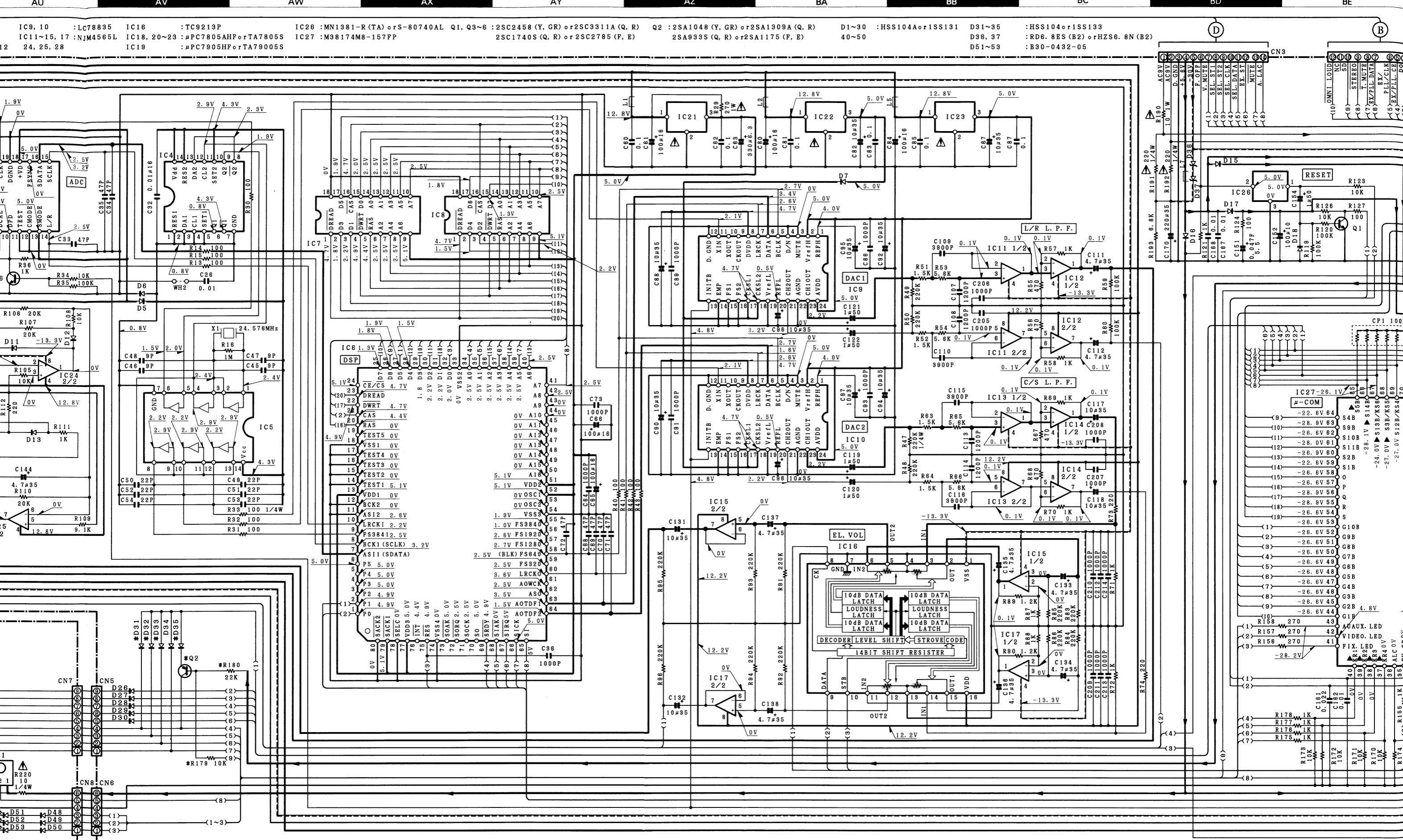
IC1, 2 : M5238AL IC5 : MC74HCU04N or TC74HCU04AP IC9, 10 : LC78835 IC16 : TC9213P IC26 : MN1381-R (TA) or S-80740AL Q1, Q3~6 : 2SC2458 (Y, GR) or 2SC9311A (Q, R) Q2 : 2SA1048 (Y, GR) or 2SA1163 (Y, GR)
 IC3 : CS5939-KP IC8 : LC83016E IC11~15, 17 : NJM4565L IC18, 20~23 : PC7805AH or TA7805S IC27 : M38174M8-157FP 2SC1740S (Q, R) or 2SC2785 (F, E) 2SA993S (Q, R) or 2SA1163 (Y, GR)
 IC4 : MC74HC74AN or TC74HC74AP IC7, 8 : LM33464-G12 or HM50464RP-12 24, 25, 28 IC19 : PC7905HF or TA79005S



X08 B/3



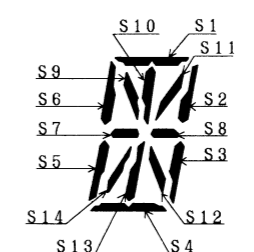
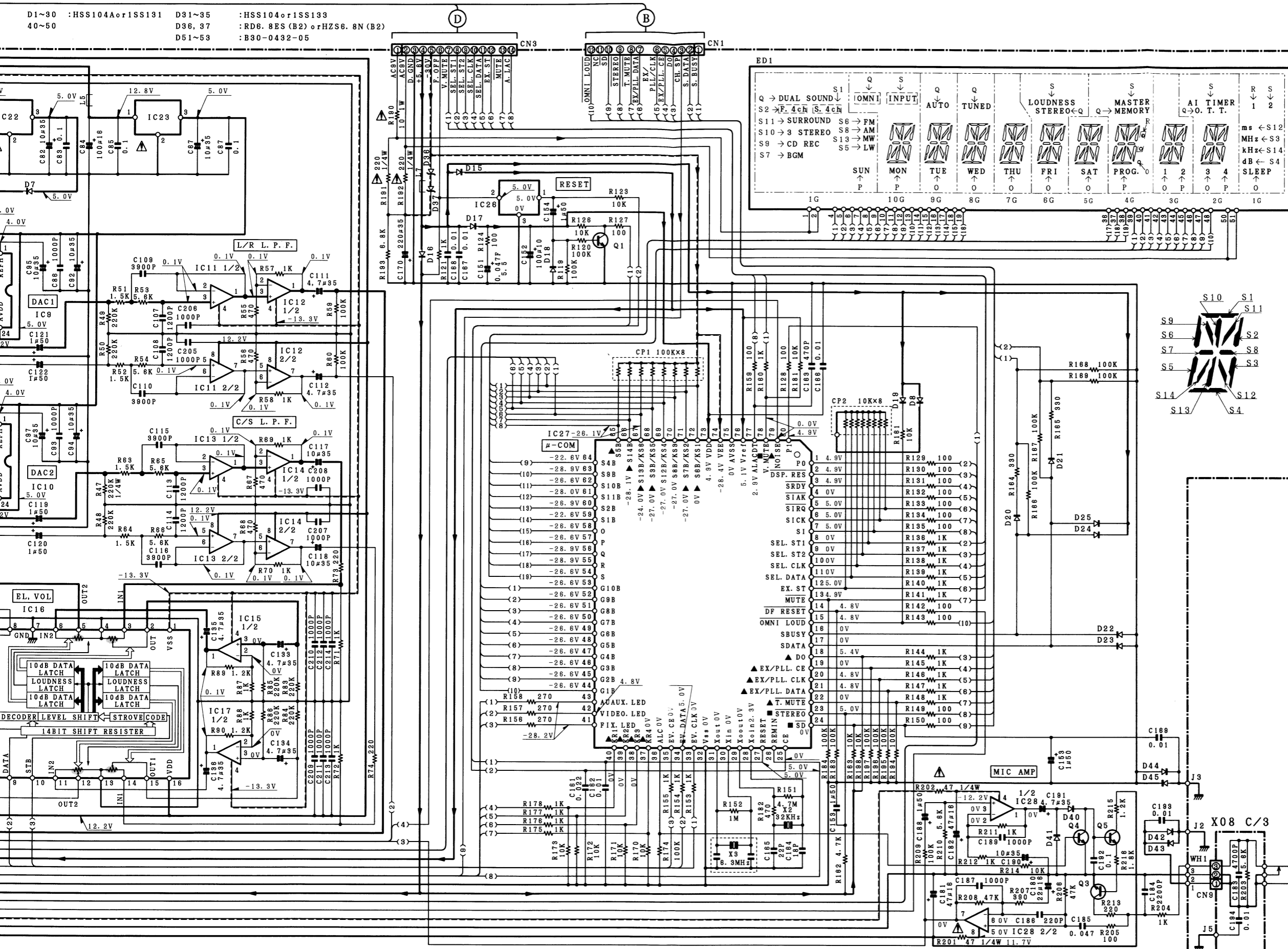
UNIT	1-01 (P) (JAPAN MADE)	0-21 (M) (JAPAN MADE)	0-71 (X) (JAPAN MADE)	2-71 (T, E) (SINGAPORE MADE)
ABB.	K, P	M	X	T, E
COUNTRY REF. NO	CANADA USA	GENERAL MARKET	AUSTRALIA	J. K EUROPE
D31	NO	NO	YES	YES
D32	NO	NO	NO	YES
D33	NO	YES	NO	NO
D35, R179 R180, Q2	NO	YES	NO	NO



IC9, 10 : LC78835 IC16 : TC9213P IC26 : MN1381-R (TA) or S-80740AL Q1, Q3~6 : 2SC2458 (Y, GR) or 2SC3311A (Q, R) Q2 : 2SA1048 (Y, GR) or 2SA1309A (Q, R) D1~30 : HSS104A or 1SS131 D31~35 : HSS104 or 1SS133
 IC11~15, 17 : NJM4565L IC18, 20~23 : PC7805AH or TA7805S IC27 : M98174M8-157FP 2SC1740S (Q, R) or 2SC2785 (F, E) 2SA933S (Q, R) or 2SA1175 (F, E) 40~50 : D36, 37 : RD6. 8ES (B2) or HZS6. 8N (B2)
 24, 25, 28 IC19 : PC7905HF or TA79005S

CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ⚠ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

D1~30 :HSS104or1SS131 D31~35 :HSS104or1SS133
 40~50 :RD6.8ES(B2)orHZS6.8N(B2)
 D51~53 :B30-0432-05



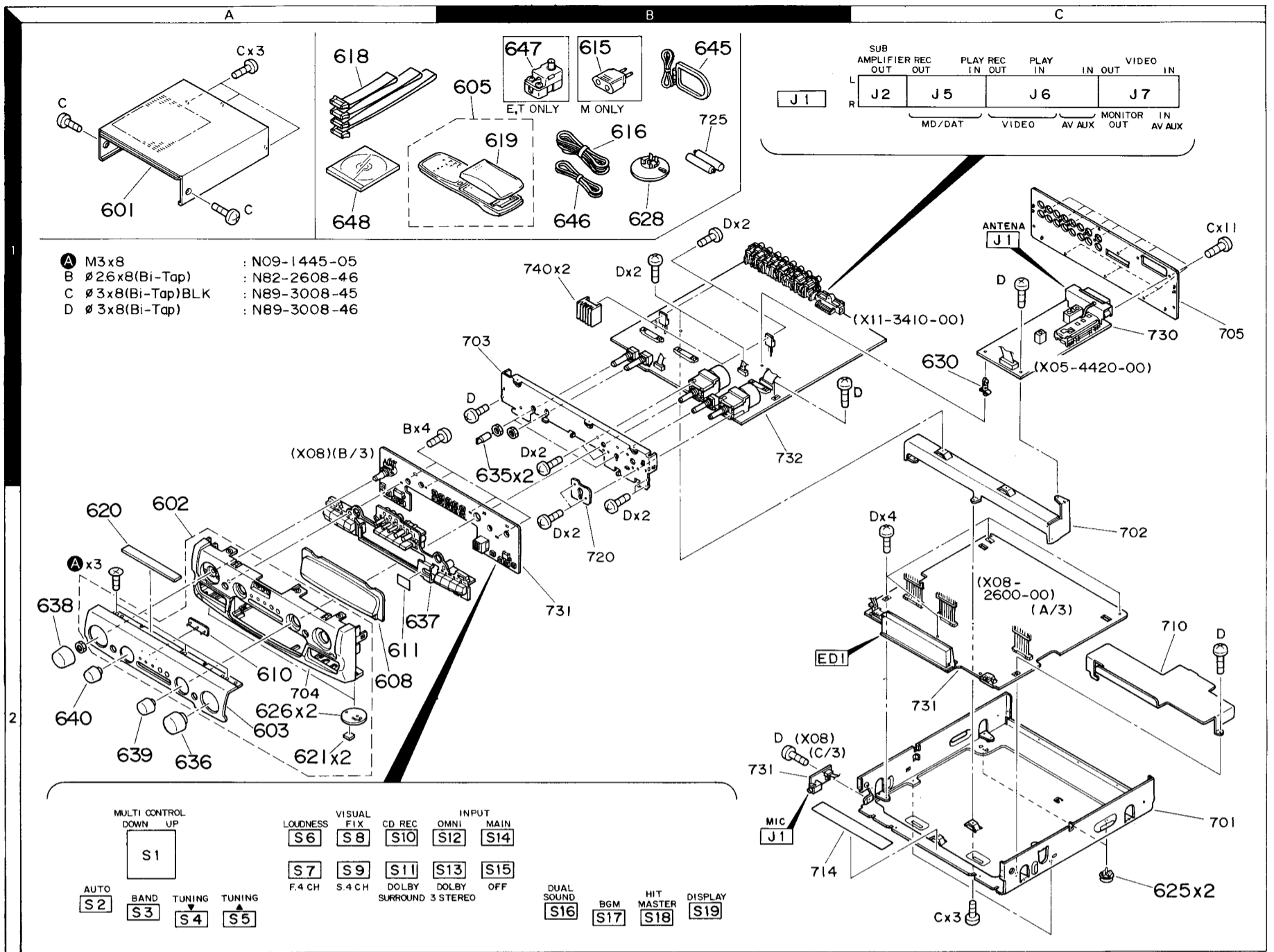
CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

DC voltages are as measured with a high impedance voltmeter with no signal input. Values may vary slightly due to variations between individual instruments or/and units.

Les tensions c.c. doivent être mesurées avec un voltmètre à haute impédance sans signal d'entrée. Les valeurs peuvent différer légèrement du fait des variations inhérentes aux appareils et aux instruments de mesure individuels.

Die angegebenen Gleichspannungswerte wurden mit einem hochohmigen Spannungsmesser ohne Eingangssignal gemessen. Dabei schwanken die Meßwerte aufgrund von Unterschieden zwischen einzelnen Instrumenten oder Geräten u. U. geringfügig.

Parts with the exploded numbers larger than 700 are not supplied.



EXPLODED VIEW (UNIT)

C-B9

C-B9

* New Parts

Parts without Parts No. are not supplied.
 Les articles non mentionnés dans le Parts No. ne sont pas fournis.
 Teile ohne Parts No. werden nicht geliefert.

NO.1

Ref. No.	Address	New Parts	Parts No.	Description	Destination	Remarks
参照番号	位置	新	部品番号	部品名/規格	仕向	備考
C-B9 (JAPAN MADE)						
601	1A	*	A01-3062-21	METALLIC CABINET		
602	2B	*	A60-0405-02	PANEL ASSY		
603	2B	*	A21-1843-02	DRESSING PANEL		
608	2A	*	B10-1968-03	FRONT GLASS		
610	2A	*	B12-0223-04	INDICATOR		
611	2A	*	B12-0236-04	INDICATOR		
-	-	*	B46-0096-33	WARRANTY CARD	X	
-	-	*	B46-0121-33	WARRANTY CARD	P	
-	-	*	B59-0183-00	GUIDE BOOK	M	
-	-	*	B60-1198-00	INSTRUCTION MANUAL	P	
-	-	*	B60-1199-00	INSTRUCTION MANUAL	M	
-	-	*	B60-1200-00	INSTRUCTION MANUAL	M	
-	-	*	B60-1204-00	INSTRUCTION MANUAL	M	
-	-	*	B60-1205-00	INSTRUCTION MANUAL	M	
615	1B	*	E03-0115-05	AC PLUG ADAPTER	M	
616	1B	*	E30-0615-05	AUDIO CORD		
618	1B	*	E30-2738-05	CORD WITH CONNECTOR		
619	1B	*	F07-0721-23	COVER REMOTE CONTROLLER		
619	1B	*	F07-0721-23	COVER REMOTE CONTROLLER		
619	1B	*	F07-0721-23	COVER REMOTE CONTROLLER		
620	2A	*	G10-0175-04	NON-WOVEN FABRIC		
621	2A	*	G11-2052-14	CUSHION FOOT		
-	-	*	H13-0039-04	CARTON BOARD		
-	-	*	H50-0666-04	ITEM CARTON CASE		
-	-	*	H10-5516-02	POLYSTYRENE FOAMED FIXTURE L		
-	-	*	H10-5517-02	POLYSTYRENE FOAMED FIXTURE R		
-	-	*	H25-0632-04	PROTECTION BAG		
-	-	*	H25-0681-04	PROTECTION BAG		
625	2C	*	J02-0370-05	FOOT REAR		
626	2A	*	J02-1095-04	FOOT FRONT		
628	1B	*	J19-2815-04	ANTENNA HOLDER		
630	1C	*	J19-3325-05	UNIT HOLDER		
635	1B	*	K29-3741-04	KNOB MIC MIXING, BALANCE		
636	2A	*	K29-5727-04	KNOB VOLUME		
637	2A	*	K29-5728-02	KNOB FUNCTION		
638	2A	*	K29-5729-04	KNOB MULTI CONTROL		
639	2A	*	K29-5730-04	KNOB LINEAR ACOUSTIC		
640	2A	*	K29-5778-04	KNOB N.B CIRCUIT		
A	2A		N09-1445-05	SET SCREW (M3X8 75)		
B	1A		N82-2608-46	BINDING HEAD TAPTITE SCREW		
C	1A, 1C		N89-3008-45	BINDING HEAD TAPTITE SCREW		
D	1B, 2D		N89-3008-46	BINDING HEAD TAPTITE SCREW		
645	1B	*	T90-0173-05	LOOP ANTENNA		
646	1B	*	T90-0176-05	T TYPE ANTENNA		
648	1A	*	W01-0830-05	CD DISK		
605	1B	*	X94-1050-00	REMOTE CONTROL ASSY UNIT		

* New Parts

Parts without Parts No. are not supplied.
 Les articles non mentionnés dans le Parts No. ne sont pas fournis.
 Teile ohne Parts No. werden nicht geliefert.

NO.2

Ref. No.	Address	New Parts	Parts No.	Description	Destination	Remarks
参照番号	位置	新	部品番号	部品名/規格	仕向	備考
C-B9/L (SINGAPORE MADE)						
601	1A	*	A01-3062-21	METALLIC CABINET		
602	2B	*	A60-0405-02	PANEL ASSY	KPMX	
602	2B	*	A60-0406-02	PANEL ASSY	ET	
603	2B	*	A21-1843-02	DRESSING PANEL	KPMX	
603	2B	*	A21-1844-02	DRESSING PANEL	ET	
608	2A	*	B10-1968-03	FRONT GLASS		
610	2A	*	B12-0223-04	INDICATOR		
611	2A	*	B12-0236-04	INDICATOR		
-	-	*	B46-0092-33	WARRANTY CARD	K	
-	-	*	B46-0096-33	WARRANTY CARD	X	
-	-	*	B46-0121-33	WARRANTY CARD	P	
-	-	*	B46-0122-23	WARRANTY CARD	E	
-	-	*	B46-0143-13	WARRANTY CARD	E	
-	-	*	B59-0183-00	GUIDE BOOK	M	
-	-	*	B60-1198-00	INSTRUCTION MANUAL	M	
-	-	*	B60-1199-00	INSTRUCTION MANUAL	PE	
-	-	*	B60-1200-00	INSTRUCTION MANUAL	EE	
-	-	*	B60-1201-00	INSTRUCTION MANUAL	E	
-	-	*	B60-1202-00	INSTRUCTION MANUAL	E	
-	-	*	B60-1203-00	INSTRUCTION MANUAL	E	
-	-	*	B60-1204-00	INSTRUCTION MANUAL	M	
-	-	*	B60-1205-00	INSTRUCTION MANUAL	ME	
615	1B	*	E03-0115-05	AC PLUG ADAPTER	M	
616	1B	*	E30-0615-05	AUDIO CORD		
618	1B	*	E30-2738-05	CORD WITH CONNECTOR		
620	2A	*	G10-0175-04	NON-WOVEN FABRIC		
621	2A	*	G11-2052-14	CUSHION FOOT		
-	-	*	H13-0086-04	CARTON BOARD		
-	-	*	H50-0667-04	ITEM CARTON CASE	M	
-	-	*	H50-0668-04	ITEM CARTON CASE	KPX	
-	-	*	H50-0669-04	ITEM CARTON CASE	ET	
-	-	*	H10-5518-02	POLYSTYRENE FOAMED FIXTURE L		
-	-	*	H10-5519-02	POLYSTYRENE FOAMED FIXTURE R		
-	-	*	H25-0632-04	PROTECTION BAG (0632 PRINTED)	KPMXE	
-	-	*	H25-0681-04	PROTECTION BAG	KPMXET	
625	2C	*	J21-5996-04	MOUNTING HARDWARE		
626	2A	*	J02-0370-05	FOOT REAR		
628	1B	*	J19-2815-04	ANTENNA HOLDER		
630	1C	*	J19-3325-05	UNIT HOLDER		
635	1B	*	K29-3741-04	KNOB MIC MIXING, BALANCE		
636	2A	*	K29-5727-04	KNOB VOLUME		
637	2A	*	K29-5728-02	KNOB FUNCTION		
638	2A	*	K29-5729-04	KNOB MULTI CONTROL		
639	2A	*	K29-5730-04	KNOB LINEAR ACOUSTIC		
640	2A	*	K29-5778-04	KNOB N.B CIRCUIT		
A	2A		N09-1445-05	SET SCREW (M3X8)		
B	1A		N82-2608-46	BINDING HEAD TAPTITE SCREW		
C	1A, 1C		N89-3008-45	BINDING HEAD TAPTITE SCREW		
D	1B, 2D		N89-3008-46	BINDING HEAD TAPTITE SCREW		

PARTS LIST

* New Parts
 Parts without Parts No. are not supplied.
 Les articles non mentionnés dans le Parts No. ne sont pas fournis.
 Teile ohne Parts No. werden nicht geliefert.

NO.1

Ref. No. 参照番号	Address 位置	New Parts	Parts No. 部品番号	Description 部品名/規格	Destination 仕向	Remarks 備考
C-B9 (JAPAN MADE)						
601	1A	*	A01-3062-21	METALLIC CABINET		
602	2B	*	A60-0405-02	PANEL ASSY		
603	2B	*	A21-1843-02	DRESSING PANEL		
608	2A	*	B10-1968-03	FRONT GLASS		
610	2A	*	B12-0223-04	INDICATOR		
611	2A	*	B12-0236-04	INDICATOR		
-	-	*	B46-0096-33	WARRANTY CARD		
-	-	*	B46-0121-33	WARRANTY CARD	X	P
-	-	*	B59-0183-00	GUIDE BOOK		
-	-	*	B60-1198-00	INSTRUCTION MANUAL	M	
-	-	*	B60-1199-00	INSTRUCTION MANUAL		
-	-	*	B60-1200-00	INSTRUCTION MANUAL	P	
-	-	*	B60-1204-00	INSTRUCTION MANUAL	M	
-	-	*	B60-1205-00	INSTRUCTION MANUAL	M	
615	1B	*	E03-0115-05	AC PLUG ADAPTER		
616	1B	*	E30-0615-05	AUDIO CORD		
618	1B	*	E30-2738-05	CORD WITH CONNECTOR		
619	1B	*	F07-0721-23	COVER REMOTE CONTROLLER		
619	1B	*	F07-0721-23	COVER REMOTE CONTROLLER		
619	1B	*	F07-0721-23	COVER REMOTE CONTROLLER		
620	2A	*	G10-0175-04	NON-WOVEN FABRIC		
621	2A	*	G11-2052-14	CUSHION FOOT		
-	-	*	H13-0039-04	CARTON BOARD		
-	-	*	H50-0666-04	ITEM CARTON CASE		
-	-	*	H10-5516-02	POLYSTYRENE FOAMED FIXTURE L		
-	-	*	H10-5517-02	POLYSTYRENE FOAMED FIXTURE R		
-	-	*	H25-0632-04	PROTECTION BAG		
-	-	*	H25-0681-04	PROTECTION BAG		
625	2C	*	J02-0370-05	FOOT REAR		
626	2A	*	J02-1095-04	FOOT FRONT		
628	1B	*	J19-2815-04	ANTENNA HOLDER		
630	1C	*	J19-3325-05	UNIT HOLDER		
635	1B	*	K29-3741-04	KNOB MIC MIXING, BALANCE		
636	2A	*	K29-5727-04	KNOB VOLUME		
637	2A	*	K29-5728-02	KNOB FUNCTION		
638	2A	*	K29-5729-04	KNOB MULTI CONTROL		
639	2A	*	K29-5730-04	KNOB LINEAR ACOUSTIC		
640	2A	*	K29-5778-04	KNOB N.B CIRCUIT		
A	2A	*	N09-1445-05	SET SCREW (M3X8 75)		
B	1A	*	N82-2608-46	BINDING HEAD TAPTITE SCREW		
C	1A, 1C	*	N89-3008-45	BINDING HEAD TAPTITE SCREW		
D	1B, 2D	*	N89-3008-46	BINDING HEAD TAPTITE SCREW		
645	1B	*	T90-0173-05	LOOP ANTENNA		
646	1B	*	T90-0176-05	T TYPE ANTENNA		
648	1A	*	W01-0830-05	CD DISK		
605	1B	*	X94-1050-00	REMOTE CONTROL ASSY UNIT		

L:Scandinavia K:USA P:Canada J : JAPAN MADE
 Y:PX(Far East, Hawaii) T:England E:Europe S : SINGAPORE MADE
 Y:AAFE(S:Europe) X:Australia M:Other Areas W : MALAYSIA MADE indicates safety critical components.

* New Parts
 Parts without Parts No. are not supplied.
 Les articles non mentionnés dans le Parts No. ne sont pas fournis.
 Teile ohne Parts No. werden nicht geliefert.

NO.2

Ref. No. 参照番号	Address 位置	New Parts	Parts No. 部品番号	Description 部品名/規格	Destination 仕向	Remarks 備考
C-B9/L (SINGAPORE MADE)						
601	1A	*	A01-3062-21	METALLIC CABINET		
602	2B	*	A60-0405-02	PANEL ASSY		KPMX
602	2B	*	A60-0406-02	PANEL ASSY		ET
603	2B	*	A21-1843-02	DRESSING PANEL		KPMX
603	2B	*	A21-1844-02	DRESSING PANEL		ET
608	2A	*	B10-1968-03	FRONT GLASS		
610	2A	*	B12-0223-04	INDICATOR		
611	2A	*	B12-0236-04	INDICATOR		
-	-	*	B46-0092-33	WARRANTY CARD		K
-	-	*	B46-0096-33	WARRANTY CARD		X
-	-	*	B46-0121-33	WARRANTY CARD		P
-	-	*	B46-0122-23	WARRANTY CARD		E
-	-	*	B46-0143-13	WARRANTY CARD		T
-	-	*	B59-0183-00	GUIDE BOOK		
-	-	*	B60-1198-00	INSTRUCTION MANUAL		M
-	-	*	B60-1199-00	INSTRUCTION MANUAL		
-	-	*	B60-1200-00	INSTRUCTION MANUAL		PE
-	-	*	B60-1201-00	INSTRUCTION MANUAL		EE
-	-	*	B60-1202-00	INSTRUCTION MANUAL		EE
-	-	*	B60-1203-00	INSTRUCTION MANUAL		
-	-	*	B60-1204-00	INSTRUCTION MANUAL		M
-	-	*	B60-1205-00	INSTRUCTION MANUAL		ME
615	1B	*	E03-0115-05	AC PLUG ADAPTER		
616	1B	*	E30-0615-05	AUDIO CORD		
618	1B	*	E30-2738-05	CORD WITH CONNECTOR		
620	2A	*	G10-0175-04	NON-WOVEN FABRIC		
621	2A	*	G11-2052-14	CUSHION FOOT		
-	-	*	H13-0086-04	CARTON BOARD		
-	-	*	H50-0667-04	ITEM CARTON CASE		M
-	-	*	H50-0668-04	ITEM CARTON CASE		KPX
-	-	*	H50-0669-04	ITEM CARTON CASE		ET
-	-	*	H10-5518-02	POLYSTYRENE FOAMED FIXTURE L		
-	-	*	H10-5519-02	POLYSTYRENE FOAMED FIXTURE R		KPMXE
-	-	*	H25-0632-04	PROTECTION BAG		T
-	-	*	H25-0644-04	PROTECTION BAG (0632 PRINTED)		KPMXET
-	-	*	H25-0681-04	PROTECTION BAG		
625	2C	*	J21-5996-04	MOUNTING HARDWARE		
626	2A	*	J02-0370-05	FOOT REAR		
628	1B	*	J02-1095-04	FOOT FRONT		
630	1C	*	J19-2815-04	ANTENNA HOLDER		
630	1C	*	J19-3325-05	UNIT HOLDER		
635	1B	*	K29-3741-04	KNOB MIC MIXING, BALANCE		
636	2A	*	K29-5727-04	KNOB VOLUME		
637	2A	*	K29-5728-02	KNOB FUNCTION		
638	2A	*	K29-5729-04	KNOB MULTI CONTROL		
639	2A	*	K29-5730-04	KNOB LINEAR ACOUSTIC		
640	2A	*	K29-5778-04	KNOB N.B CIRCUIT		
A	2A	*	N09-1445-05	SET SCREW (M3X8)		
B	1A	*	N82-2608-46	BINDING HEAD TAPTITE SCREW		
C	1A, 1C	*	N89-3008-45	BINDING HEAD TAPTITE SCREW		
D	1B, 2D	*	N89-3008-46	BINDING HEAD TAPTITE SCREW		

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NO.3

Ref. No. 参照番号	Address 位置	New Parts	Parts No. 部品番号	Description 部品名/規格	Destination 仕向	Remarks 備考
645	1B	*	T90-0174-05	LOOP ANTENNA		
646	1B	*	T90-0175-05	T TYPE ANTENNA		
647	1B	*	T90-0185-05	ANTENNA ADAPTOR		ET
648	1A	*	W01-0830-05	CD DISK		
605	1B	*	X94-1050-00	REMOTE CONTROL ASSY UNIT		
C-B9 (MALAYSIA MADE)						
601	1A	*	A01-3062-21	METALLIC CABINET		
602	2B	*	A60-0405-02	PANEL ASSY		
603	2B	*	A21-1843-02	DRESSING PANEL		
608	2A	*	B10-1968-03	FRONT GLASS		
610	2A	*	B12-0223-04	INDICATOR		
611	2A	*	B12-0236-04	INDICATOR		
-	-	*	B46-0121-33	WARRANTY CARD		
-	-	*	B59-0183-00	GUIDE BOOK		
-	-	*	B60-1199-00	INSTRUCTION MANUAL		
-	-	*	B60-1200-00	INSTRUCTION MANUAL		
616	1B	*	E30-0615-05	AUDIO CORD		
618	1B	*	E30-2738-05	CORD WITH CONNECTOR		
620	2A	*	G10-0175-04	NON-WOVEN FABRIC		
621	2A	*	G11-2052-14	CUSHION FOOT		
-	-	*	H13-0086-04	CARTON BOARD		
-	-	*	H50-0812-04	ITEM CARTON CASE		
-	-	*	H10-5617-02	POLYSTYRENE FOAMED FIXTURE L		
-	-	*	H10-5618-02	POLYSTYRENE FOAMED FIXTURE R		
-	-	*	H25-0632-04	PROTECTION BAG		
-	-	*	H25-0681-04	PROTECTION BAG		
625	2C	*	J02-0370-05	FOOT REAR		
626	2A	*	J02-1095-04	FOOT FRONT		
628	1B	*	J19-2815-04	ANTENNA HOLDER		
630	1C	*	J19-3325-05	UNIT HOLDER		
635	1B	*	K29-3741-04	KNOB MIC MIXING, BALANCE		
636	2A	*	K29-5727-04	KNOB VOLUME		
637	2A	*	K29-5728-02	KNOB FUNCTION		
638	2A	*	K29-5729-04	KNOB MULTI CONTROL		
639	2A	*	K29-5730-04	KNOB LINEAR ACOUSTIC		
640	2A	*	K29-5778-04	KNOB N.B CIRCUIT		
A	2A	*	N09-1445-05	SET SCREW (M3X8)		
B	1A	*	N82-2608-46	BINDING HEAD TAPTITE SCREW		
C	1A, 1C	*	N89-3008-45	BINDING HEAD TAPTITE SCREW		
D	1B, 2D	*	N89-3008-46	BINDING HEAD TAPTITE SCREW		
645	1B	*	T90-0174-05	LOOP ANTENNA		
646	1B	*	T90-0175-05	T TYPE ANTENNA		
648	1A	*	W01-0830-05	CD DISK		
605	1B	*	X94-1050-00	REMOTE CONTROL ASSY UNIT		
TUNER UNIT (X05-4420-11 : K, P, 0-21 : M, 0-71 : X)						
C1	,2		CK73FB1H103K	CHIP C 0.010UF K	KPMX	J
C4			CE04KW1A470M	ELECTRO 47UF 10WV	KPMX	S
C4			CE04LW1A470M	ELECTRO 47UF 10WV	KPMX	S

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NO.4

Ref. No. 参照番号	Address 位置	New Parts	Parts No. 部品番号	Description 部品名/規格	Destination 仕向	Remarks 備考
C5			CK73FB1H103K	CHIP C 0.010UF K	KPMX	
C8			CK73FB1H103K	CHIP C 0.010UF K	KPMX	
C10			CK73FB1H122K	CHIP C 1200PF K	KPMX	
C11			CE04KW1H4R7M	ELECTRO 4.7UF 50WV	KPMX	J
C11			CE04LW1H4R7M	ELECTRO 4.7UF 50WV	KPMX	S
C13			CE04KW1H010M	ELECTRO 1.0UF 50WV	KPMX	J
C13			CE04LW1H010M	ELECTRO 1.0UF 50WV	KPMX	S
C14			CE04KW1H2R2M	ELECTRO 2.2UF 50WV	KPMX	J
C14			CE04LW1H2R2M	ELECTRO 2.2UF 50WV	KPMX	S
C21	,22		CF92FV1H163J	MF 0.016UF J	MX	
C21	,22		CF92FV1H243J	MF 0.024UF J	KP	
C23			CE04KW1H010M	ELECTRO 1.0UF 50WV	KPMX	J
C23			CE04LW1H010M	ELECTRO 1.0UF 50WV	KPMX	S
C24			CE04KW1H3R3M	ELECTRO 3.3UF 50WV	KPMX	J
C24			CE04LW1H3R3M	ELECTRO 3.3UF 50WV	KPMX	S
C25			CE04KW1V100M	ELECTRO 10UF 35WV	KPMX	J
C25			CE04LW1V100M	ELECTRO 10UF 35WV	KPMX	S
C27			CK73FB1E473K	CHIP C 0.047UF K	KPMX	
C28			CE04KW1V100M	ELECTRO 10UF 35WV	KPMX	J
C28			CE04LW1V100M	ELECTRO 10UF 35WV	KPMX	S
C31						

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NO.3

Table with columns: Ref. No., Address, New Parts, Parts No., Description, Destination, Remarks. Includes sub-sections for C-B9 (MALAYSIA MADE) and TUNER UNIT (X05-4420-11).

L:Scandinavia K:USA P:Canada J : JAPAN MADE
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NO.4

Table with columns: Ref. No., Address, New Parts, Parts No., Description, Destination, Remarks. Includes various electronic components like chips, capacitors, and resistors.

L:Scandinavia K:USA P:Canada J : JAPAN MADE
Y:PX(Far East, Hawaii) T:England E:Europe S : SINGAPORE MADE
Y:AAFES(Europe) X:Australia M:Other Areas W : MALAYSIA MADE

PARTS LIST

C-B9

C-B9

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Teile ohne Parts No. werden nicht geliefert.

NO.5

Table with columns: Ref. No., Address, New Parts, Parts No., Description, Destination, Remarks. Includes sub-sections for TUNER UNIT (X05-4472-70) and various electronic components.

L:Scandinavia K:USA P:Canada J : JAPAN MADE
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Teile ohne Parts No. werden nicht geliefert.

NO.6

Table with columns: Ref. No., Address, New Parts, Parts No., Description, Destination, Remarks. Includes various electronic components like capacitors, resistors, and transistors.

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Y:AAFES(Europe) X:Australia M:Other Areas W : MALAYSIA MADE

PARTS LIST

C-B9

× New Parts

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Telle ohne Parts No. werden nicht geliefert.

NO.7

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕向	Re- marks 備考
R127, 128			RD14NB2E101J	RD 100 J 1/4W	ET	S
VR1			R12-3686-05	TRIMMING PØT. (22K)	ET	S
VR2			R12-3685-05	TRIMMING PØT. (10K)	ET	S
VR3			R12-1619-05	TRIMMING PØT. (4.7K)	ET	S
W100-103			R92-0670-05	CHIP R 0 ØHM	ET	S
W200-211			R92-0679-05	CHIP R 0 ØHM	ET	S
D3			HZS5.1N(B2)	ZENER DIØDE	ET	S
D3			RD5.1ES(B2)	ZENER DIØDE	ET	S
D4			HZS3.3N(B2)	ZENER DIØDE	ET	S
D4			RD3.3ES(B2)	ZENER DIØDE	ET	S
D5			HSS104	DIØDE	ET	S
D5			1SS133	DIØDE	ET	S
D11			HZS8.2N(B2)	ZENER DIØDE	ET	S
D11			RD8.2ES(B2)	ZENER DIØDE	ET	S
D111, 112			HSS104	DIØDE	ET	S
D111, 112			1SS133	DIØDE	ET	S
IC1			LA1851N	IC(AM,FM TUNER)	ET	S
IC2			LC7218	IC(PLL SYNTHESIZER)	ET	S
IC3			NJM4565D	IC(OP AMP X2)	ET	S
Q1			2SC2714(R,Ø)	TRANSISTØR	ET	S
Q2			2SC1845(F,E)	TRANSISTØR	ET	S
Q3, 4			2SC2412K	TRANSISTØR	ET	S
Q5			2SA1037K	TRANSISTØR	ET	S
Q7			2SC2412K	TRANSISTØR	ET	S
Q11			2SD863(C,F)	TRANSISTØR	ET	S
Q102, 103			2SA1037K	TRANSISTØR	ET	S
Q109, 110			2SC2412K	TRANSISTØR	ET	S
Q111			2SA1037K	TRANSISTØR	ET	S
Q113, 114			2SC2412K	TRANSISTØR	ET	S
Q116			2SC2412K	TRANSISTØR	ET	S
DT1		*	W02-1166-05	FM FRONT-END ASSY	ET	S
SURROUND UNIT (X08-260X-XX)						
D51 -53			B30-0432-05	LED(LN31GCPH(U))		
C1, 2			CE04KW1H010M	ELECTRØ 1.0UF 50WV	J	S
C1, 2			CE04LW1H010M	ELECTRØ 1.0UF 50WV	J	S
C3, 4			CF92FV1H104J	MF 0.10UF J		
C9 -11			CF92FV1H104J	MF 0.10UF J		
C12			CE04KW1V100M	ELECTRØ 10UF 35WV	J	S
C12			CE04LW1V100M	ELECTRØ 10UF 35WV		S
C13			CF92FV1H104J	MF 0.10UF J		
C14			C91-0769-05	CERAMIC 0.01UF K		
C15			CF92FV1H104J	MF 0.10UF J		
C17			CF92FV1H104J	MF 0.10UF J		
C18			C91-0729-05	CERAMIC 22PF J		
C19			CF92FV1H104J	MF 0.10UF J		
C23, 24			CE04KW1V100M	ELECTRØ 10UF 35WV	J	S
C23, 24			CE04LW1V100M	ELECTRØ 10UF 35WV	J	S
C25			CF92FV1H104J	MF 0.10UF J		
C26			CK45FF1H103Z	CERAMIC 0.010UF Z		
C27, 28			CE04KW1V100M	ELECTRØ 10UF 35WV	J	S
C27, 28			CE04LW1V100M	ELECTRØ 10UF 35WV	J	S
C29			CF92FV1H104J	MF 0.10UF J		
C30			CE04KW1C101M	ELECTRØ 100UF 16WV	J	S

× New Parts

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NO.8

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕向	Re- marks 備考
C30			CE04LW1C101M	ELECTRØ 100UF 16WV		S
C31			CF92FV1H104J	MF 0.10UF J		
C32			C91-0769-05	CERAMIC 0.01UF K		
C33 -35			CC45FSL1H470J	CERAMIC 47PF J		
C36			CK45FB1H102K	CERAMIC 1000PF K		
C37, 38			CC45FSL1H101J	CERAMIC 100PF J		
C39, 40			CC45FSL1H221J	CERAMIC 220PF J		
C45 -48			CC45FCH1H090D	CERAMIC 9.0PF D		
C49 -54			CC45FSL1H220J	CERAMIC 22PF J		
C60			CF92FV1H104J	MF 0.10UF J		
C61			CE04KW1C101M	ELECTRØ 100UF 16WV	J	S
C61			CE04LW1C101M	ELECTRØ 100UF 16WV	J	S
C62			CF92FV1H104J	MF 0.10UF J		
C63			CE04KWOJ331M	ELECTRØ 330UF 6.3WV	J	S
C63			CE04LWOJ331M	ELECTRØ 330UF 6.3WV	J	S
C64			CF92FV1H102J	MF 1000PF J		
C65, 66			CE04KW1C101M	ELECTRØ 100UF 16WV	J	S
C65, 66			CE04LW1C101M	ELECTRØ 100UF 16WV	J	S
C67			CE04KW1V100M	ELECTRØ 10UF 35WV	J	S
C67			CE04LW1V100M	ELECTRØ 10UF 35WV	J	S
C68 -72			CC45FSL1H470J	CERAMIC 47PF J		
C73			CF92FV1H102J	MF 1000PF J		
C80			CE04KW1C101M	ELECTRØ 100UF 16WV	J	S
C80			CE04LW1C101M	ELECTRØ 100UF 16WV	J	S
C81			CF92FV1H104J	MF 0.10UF J		
C82			CE04KW1V100M	ELECTRØ 10UF 35WV	J	S
C82			CE04LW1V100M	ELECTRØ 10UF 35WV	J	S
C83			CF92FV1H104J	MF 0.10UF J		
C84			CE04KW1C101M	ELECTRØ 100UF 16WV	J	S
C84			CE04LW1C101M	ELECTRØ 100UF 16WV	J	S
C85			CF92FV1H104J	MF 0.10UF J		
C86			CF92FV1H102J	MF 1000PF J		
C87			CF92FV1H104J	MF 0.10UF J		
C88			CE04KW1V100M	ELECTRØ 10UF 35WV	J	S
C88			CE04LW1V100M	ELECTRØ 10UF 35WV	J	S
C89			CF92FV1H102J	MF 1000PF J		
C90			CE04KW1V100M	ELECTRØ 10UF 35WV	J	S
C90			CE04LW1V100M	ELECTRØ 10UF 35WV	J	S
C91			CF92FV1H102J	MF 1000PF J		
C92			CE04KW1V100M	ELECTRØ 10UF 35WV	J	S
C92			CE04LW1V100M	ELECTRØ 10UF 35WV	J	S
C93			CF92FV1H102J	MF 1000PF J		
C94 -98			CE04KW1V100M	ELECTRØ 10UF 35WV	J	S
C94 -98			CE04LW1V100M	ELECTRØ 10UF 35WV	J	S
C107, 108			CF92FV1H122J	MF 1200PF J		
C109, 110			CF92FV1H392J	MF 3900PF J		
C111, 112			CE04KW1V100M	ELECTRØ 10UF 35WV	J	S
C111, 112			CE04KW1V4R7M	ELECTRØ 4.7UF 35WV	J	S
C111, 112			CE04LW1V100M	ELECTRØ 10UF 35WV	J	S
C111, 112			CE04LW1V4R7M	ELECTRØ 4.7UF 35WV	J	S
C113, 114			CF92FV1H122J	MF 1200PF J		
C115, 116			CF92FV1H392J	MF 3900PF J		
C117, 118			CE04KW1V100M	ELECTRØ 10UF 35WV	J	S
C117, 118			CE04LW1V100M	ELECTRØ 10UF 35WV	J	S
C119-122			CE04KW1H010M	ELECTRØ 1.0UF 50WV	J	S

PARTS LIST

C-B9

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⚠ indicates safety critical components.

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NO.9

Ref. No. 参照番号	Address 位置	New Parts	Parts No. 部品番号	Description 部品名/規格	Desti- nation 仕向	Re- marks 備考
C119-122			CE04LW1H010M	ELECTRØ 1.0UF 50WV		S
C131, 132			CE04KW1V100M	ELECTRØ 10UF 35WV		J
C131, 132			CE04LW1V100M	ELECTRØ 10UF 35WV		S
C133-138			CE04KW1V4R7M	ELECTRØ 4.7UF 35WV		J
C133-138			CE04LW1V4R7M	ELECTRØ 4.7UF 35WV		S
C139, 140			CE04KW1H010M	ELECTRØ 1.0UF 50WV		J
C139, 140			CE04LW1H010M	ELECTRØ 1.0UF 50WV		S
C141, 142			CF92FV1H102J	MF 1000PF J		
C143, 144			CE04KW1V4R7M	ELECTRØ 4.7UF 35WV		J
C143, 144			CE04LW1V4R7M	ELECTRØ 4.7UF 35WV		S
C145			CC45FSL1H220J	CERAMIC 22PF J		
C151			C90-1826-05	BACKUP 0.047F 5.5WV		
C152			CE04KW1A101M	ELECTRØ 100UF 10WV		J
C152			CE04LW1A101M	ELECTRØ 100UF 10WV		S
C153, 154			CE04KW1H010M	ELECTRØ 1.0UF 50WV		J
C153, 154			CE04LW1H010M	ELECTRØ 1.0UF 50WV		S
C161			C91-0085-05	CERAMIC 0.022UF N		
C162			C91-0769-05	CERAMIC 0.01UF K		
C163			CK45FB1H471K	CERAMIC 470PF K		
C164			CC45FCH1H180J	CERAMIC 18PF J		
C165			CC45FCH1H220J	CERAMIC 22PF J		
C166-169			CK45FF1H103Z	CERAMIC 0.010UF Z		
C170			CE04DW1V221M	ELECTRØ 220UF 35WV		J
C170			CE04BW1V221M	ELECTRØ 220UF 35WV		S
C180			CE04KW1C220M	ELECTRØ 22UF 16WV		J
C181, 182			CE04LW1C220M	ELECTRØ 22UF 16WV		S
C181, 182			CE04LW1C470M	ELECTRØ 47UF 16WV		S
C183			C91-0765-05	CERAMIC 820PF J		
C184			CF92FV1H222J	MF 2200PF J		
C185			CF92FV1H473J	MF 0.047UF J		
C186			CC45FSL1H221J	CERAMIC 220PF J		
C187			CF92FV1H102J	MF 1000PF J		
C188			CE04KW1H010M	ELECTRØ 1.0UF 50WV		J
C188			CE04LW1H010M	ELECTRØ 1.0UF 50WV		S
C189			CF92FV1H102J	MF 1000PF J		
C190			CE04KW1V100M	ELECTRØ 10UF 35WV		J
C190			CE04LW1V100M	ELECTRØ 10UF 35WV		S
C191			CE04KW1V4R7M	ELECTRØ 4.7UF 35WV		J
C191			CE04LW1V4R7M	ELECTRØ 4.7UF 35WV		S
C192			CF92FV1H104J	MF 0.10UF J		
C193			CK45FF1H103Z	CERAMIC 0.010UF Z		
C194			C91-0769-05	CERAMIC 0.01UF K		
C200			C90-3232-05	ELECTRØ 4.7UF 25WV		
C201-214			CF92FV1H102J	MF 1000PF J		
J1		*	E11-0254-05	MINIATURE PHONE JACK MIC		
L1 -7			L92-0017-05	FERRITE CORE		
X1			L77-1125-05	CRYSTAL RESONATOR(24.576MHZ)		
X2			L77-2111-05	CRYSTAL RESONATOR(32.768KHZ)		
X3			L78-0602-05	RESONATOR (6.300M)		
CP1			R90-0492-05	MULTI-COMP 100KX8 J 1/6W		
CP2			R90-0805-05	MULTI-COMP 10KX8 J 1/4W		
R12			RS14KB3A221J	FL-PROOF RS 220 J 1W		
R29			RS14KB3A271J	FL-PROOF RS 270 J 1W		

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△ indicates safety critical components.

* New Parts

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Teile ohne Parts No. werden nicht geliefert.

NO.10

Ref. No. 参照番号	Address 位置	New Parts	Parts No. 部品番号	Description 部品名/規格	Desti- nation 仕向	Re- marks 備考
R190			RS14KB3A100J	FL-PROOF RS 10 J 1W		
R201, 202			RD14NB2E470J	RD 47 J 1/4W		
S1		*	S60-0021-05	ROTARY SWITCH MULTI CONTROL		
S2 -19			S40-1064-05	PUSH SWITCH KEY BOARD		
D1 -30			HSS104	DIODE		
D1 -30			1SS133	DIODE		
D31			HSS104A	DIODE		X
D31			1SS131	DIODE		X
D31, 32			HSS104A	DIODE		ET
D31, 32			1SS131	DIODE		S
D33 -35			HSS104A	DIODE		ET
D33 -35			1SS131	DIODE		S
D34			HSS104A	DIODE		M
D34			1SS131	DIODE		KPXET
D34			1SS131	DIODE		KPXET
D36, 37		*	HZS6.8N(B2)	ZENER DIODE		
D36, 37		*	RD6.8ES(B2)	ZENER DIODE		
D40 -50			HSS104	DIODE		
D40 -50			1SS133	DIODE		
ED1		*	CM1219C	INDICATOR TUBE		
IC1, 2			M5238AL	IC(OPAMP X2)		
IC3			CS5339-KP	IC(A/D CONVERTER)		
IC4			MC74HC74AN	IC(D-TYPE FLIP-FLOP X2)		
IC4			TC74HC74AP	IC(DUAL D-TYPE FLIP FLOP)		
IC5			MC74HC04AN	IC(INVERTER)		
IC5			TC74HC04AP	IC(CMOS INVERTER)		
IC6			LC83016E	IC(DIGITAL SURROUND)		
IC7, 8			HM50464RP-12	IC(RAM)		
IC7, 8			LM33464Q-12	IC(D RAM)		
IC9, 10		*	LC78835	IC(D/A CONVERTOR)		
IC11-15			NJM4565L	IC(OP AMP X2)		
IC16			TC9213P	IC(2CH ELECTRONIC VOLUME)		
IC17			NJM4565L	IC(OP AMP X2)		
IC18			TA7805S	IC(VOLTAGE REGULATOR/ +5V)		
IC18			UPC7805AHF	IC(VOLTAGE REGULATOR/ +5V)		
IC19			TA7900SS	IC(VOLTAGE REGULATOR/ -5V)		
IC19			UPC7905HP	IC(VOLTAGE REGULATOR/ -5V)		
IC20-23			TA7805S	IC(VOLTAGE REGULATOR/ +5V)		
IC20-23			UPC7805AHF	IC(VOLTAGE REGULATOR/ +5V)		
IC24, 25			NJM4565L	IC(OP AMP X2)		
IC26			MN1381-R(TA)	IC(VOLTAGE DETECT)		
IC26			S-80740AL	IC(VOLTAGE DETECTOR)		
IC27		*	M38174M8-157FP	IC		
IC28			NJM4565L	IC(OP AMP X2)		
Q1			2SC1740S(Q, R)	TRANSISTOR		S
Q1			2SC2458(Y, GR)	TRANSISTOR		J
Q1			2SC2785(F, E)	TRANSISTOR		J
Q1			2SC3311A(Q, R)	TRANSISTOR		J
Q2			2SA1048(Y, GR)	TRANSISTOR		M
Q2			2SA1175(F, E)	TRANSISTOR		S
Q2			2SA1309A(Q, R)	TRANSISTOR		M
Q2			2SA933S(Q, R)	TRANSISTOR		J
Q3 -6			2SC1740S(Q, R)	TRANSISTOR		S
Q3 -6			2SC2458(Y, GR)	TRANSISTOR		J
Q3 -6			2SC2785(F, E)	TRANSISTOR		S

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PARTS LIST

× New Parts

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Les articles non mentionnés dans le Parts No. ne sont pas fournis.

Telle ohne Parts No. werden nicht geliefert.

NO.11

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名/規格	Destination 仕向	Remarks 備考
Q3 -6			2SC3311A(Q,R)	TRANSISTOR		J
A1			W02-1046-05	ELECTRIC CIRCUIT MODULE		
CONTROL UNIT (X11-3410-XX)						
C1 -4			C91-0749-05	CERAMIC 220PF K		
C5 ,6			CC45FSL1H220J	CERAMIC 22PF J		
C7 -18			C91-0749-05	CERAMIC 220PF K		
C19 ,20			CF92FV1H104J	MF 0.10UF J		
C21 ,22			C91-0745-05	CERAMIC 100PF K		
C23			C91-0757-05	CERAMIC 1000PF K		
C24			C91-0769-05	CERAMIC 0.01UF K		
C25 ,26			CE04KW1V4R7M	ELECTRO 4.7UF 35WV	J	
C25 ,26			CE04LW1V4R7M	ELECTRO 4.7UF 35WV	S	
C27 ,28			CC45FSL1H220J	CERAMIC 22PF J		
C29 ,30			CE04KW1V100M	ELECTRO 10UF 35WV	J	
C29 ,30			CE04LW1V100M	ELECTRO 10UF 35WV	S	
C31 ,32			C90-1886-05	ELECTRO 4.7UF 25WV		
C33 ,34			CC45FSL1H220J	CERAMIC 22PF J		
C35 ,36			CE04KW1V100M	ELECTRO 10UF 35WV	J	
C35 ,36			CE04LW1V100M	ELECTRO 10UF 35WV	S	
C37 ,38			CE04KW1H010M	ELECTRO 1.0UF 50WV	J	
C37 ,38			CE04LW1H010M	ELECTRO 1.0UF 50WV	S	
C39 ,40			CC45FSL1H220J	CERAMIC 22PF J		
C41 ,42			CE04KW1V100M	ELECTRO 10UF 35WV	J	
C41 ,42			CE04LW1V100M	ELECTRO 10UF 35WV	S	
C43 ,44			CE04KW1C101M	ELECTRO 100UF 16WV	J	
C43 ,44			CE04LW1C101M	ELECTRO 100UF 16WV	S	
C45 ,46			CF92FV1H104J	MF 0.10UF J		
C47 -50			CC45FSL1H101J	CERAMIC 100PF J		
C51 ,52			CK45FB1H471K	CERAMIC 470PF K	J	
C53 ,54			CE04KW1V100M	ELECTRO 10UF 35WV	J	
C53 ,54			CE04LW1V100M	ELECTRO 10UF 35WV	S	
C55 ,56			CC45FSL1H820J	CERAMIC 82PF J		
C57 ,58			CF92FV1H303J	MF 0.030UF J		
C59 ,60			CF92FV1H104J	MF 0.10UF J		
C61 ,62			CC45FSL1H220J	CERAMIC 22PF J		
C63 ,64			C90-1853-05	ELECTRO 4.7UF 25WV		
C65 ,66			CE04KW1V100M	ELECTRO 10UF 35WV	J	
C65 ,66			CE04LW1V100M	ELECTRO 10UF 35WV	S	
C67 ,68			CE04KW1C101M	ELECTRO 100UF 16WV	J	
C67 ,68			CE04LW1C101M	ELECTRO 100UF 16WV	S	
C69 ,70			CE04KW1H010M	ELECTRO 1.0UF 50WV	J	
C69 ,70			CE04LW1H010M	ELECTRO 1.0UF 50WV	S	
C71 ,72			CF92FV1H271K	MF 270PF K		
C73 ,74			CE04KW1V100M	ELECTRO 10UF 35WV	J	
C73 ,74			CE04LW1V100M	ELECTRO 10UF 35WV	S	
C75 ,76			CC45FSL1H220J	CERAMIC 22PF J		
C77 ,78			CE04KW1V100M	ELECTRO 10UF 35WV	J	
C77 ,78			CE04LW1V100M	ELECTRO 10UF 35WV	S	
C79 ,80			CF92FV1H104J	MF 0.10UF J		
C81 ,82			CC45FSL1H101J	CERAMIC 100PF J		
C83 ,84			CF92FV1H512J	MF 5100PF J		
C85 -88			CE04KW1H010M	ELECTRO 1.0UF 50WV	J	
C85 -88			CE04LW1H010M	ELECTRO 1.0UF 50WV	S	

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× New Parts

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Telle ohne Parts No. werden nicht geliefert.

NO.12

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名/規格	Destination 仕向	Remarks 備考
C89 ,90			CC45FSL1H220J	CERAMIC 22PF J		
C91 ,92			CE04KW1V100M	ELECTRO 10UF 35WV	J	
C91 ,92			CE04LW1V100M	ELECTRO 10UF 35WV	S	
C93 -96			CE04KW1H010M	ELECTRO 1.0UF 50WV	J	
C93 -96			CE04LW1H010M	ELECTRO 1.0UF 50WV	S	
C97 ,98			CE04KW1V100M	ELECTRO 10UF 35WV	J	
C97 ,98			CE04LW1V100M	ELECTRO 10UF 35WV	S	
C99			C91-0769-05	CERAMIC 0.01UF K		
C100			CE04KW1C101M	ELECTRO 100UF 16WV	J	
C100			CE04LW1C101M	ELECTRO 100UF 16WV	S	
C101,102			C91-0757-05	CERAMIC 1000PF K		
C103			C91-0769-05	CERAMIC 0.01UF K		
C104-108			C91-0757-05	CERAMIC 1000PF K		
C109,110			C91-0745-05	CERAMIC 100PF K		
C111,112			CF92FV1H753J	MF 0.075UF J		
C113-121			CK45FF1H103Z	CERAMIC 0.010UF Z		
C124			CE04KW1E471M	ELECTRO 470UF 25WV	J	
C124			CE04LW1E471M	ELECTRO 470UF 25WV	S	
C125,126			CE04KW1V100M	ELECTRO 10UF 35WV	J	
C125,126			CE04LW1V100M	ELECTRO 10UF 35WV	S	
C127			CE04KW1V4R7M	ELECTRO 4.7UF 35WV	J	
C127			CE04LW1V4R7M	ELECTRO 4.7UF 35WV	S	
C128-130			CE04DW1V221M	ELECTRO 220UF 35WV	J	
C128-130			CE04EW1V221M	ELECTRO 220UF 35WV	S	
C131			CE04DW1J101M	ELECTRO 100UF 63WV	J	
C131			CE04EW1J101M	ELECTRO 100UF 63WV	S	
C132			CE04KW1H470M	ELECTRO 47UF 50WV	J	
C132			CE04LW1H470M	ELECTRO 47UF 50WV	S	
C133			CK45FF1H103Z	CERAMIC 0.010UF Z		
C134			CE04KW1H010M	ELECTRO 1.0UF 50WV	J	
C134			CE04LW1H010M	ELECTRO 1.0UF 50WV	S	
C135			CE04KW1C470M	ELECTRO 47UF 16WV	J	
C135			CE04LW1C470M	ELECTRO 47UF 16WV	S	
C136			CK45FB1H102K	CERAMIC 1000PF K	J	
C137			CE04KW1C470M	ELECTRO 47UF 16WV	J	
C137			CE04LW1C470M	ELECTRO 47UF 16WV	S	
C138			CE04KW1E101M	ELECTRO 100UF 25WV	J	
C138			CE04LW1E101M	ELECTRO 100UF 25WV	S	
C139			CE04KW1H470M	ELECTRO 47UF 50WV	J	
C139			CE04LW1H470M	ELECTRO 47UF 50WV	S	
C140			CK45FB1H102K	CERAMIC 1000PF K	J	
C141			CE04KW1C470M	ELECTRO 47UF 16WV	J	
C141			CE04LW1C470M	ELECTRO 47UF 16WV	S	
C142			CE04KW1E470M	ELECTRO 47UF 25WV	J	
C142			CE04LW1E470M	ELECTRO 47UF 25WV	S	
C143			CE04KW1H010M	ELECTRO 1.0UF 50WV	J	
C143			CE04LW1H010M	ELECTRO 1.0UF 50WV	S	
C144			CK45FB1H102K	CERAMIC 1000PF K	J	
C145,146			C90-1839-05	NP-ELEC 120UF 42WV		
C147,148			CK45FF1H103Z	CERAMIC 0.010UF Z		
C149,150			CE04KW1C470M	ELECTRO 47UF 16WV	J	
C149,150			CE04LW1C470M	ELECTRO 47UF 16WV	S	
C151-154			CE04KW1V100M	ELECTRO 10UF 35WV	J	
C151-154			CE04LW1V100M	ELECTRO 10UF 35WV	S	
C155,156			CE04KW1V4R7M	ELECTRO 4.7UF 35WV	J	

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PARTS LIST

C-B9

* New Parts

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NO.13

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕 向	Re- marks 備考
C155, 156 C157, 158 C159 C159 C160			CE04LW1V4R7M CC45FSL1H101J CE04KW1H010M CE04LW1H010M CE04KW1V4R7M	ELECTRØ 4.7UF 35WV CERAMIC 100PF J ELECTRØ 1.0UF 50WV ELECTRØ 1.0UF 50WV ELECTRØ 4.7UF 35WV	S J S S J	
C160 C161, 162 C163 C164 C164			CE04LW1V4R7M CC45FSL1H220J CK45FF1H223Z CE04KW1A101M CE04LW1A101M	ELECTRØ 4.7UF 35WV CERAMIC 22PF J CERAMIC 0.022UF Z ELECTRØ 100UF 10WV ELECTRØ 100UF 10WV	S J J J S	
C165 C165 C166 C166 C167, 168			CE04KW1E332M CE04LW1E332M CE04KW1V102M CE04LW1V102M CK45FF1H103Z	ELECTRØ 3300UF 25WV ELECTRØ 3300UF 25WV ELECTRØ 1000UF 35WV ELECTRØ 1000UF 35WV CERAMIC 0.010UF Z	J S J S S	
C169 C169 C170 C170 C171, 172			CE04KW1A101M CE04LW1A101M CE04KW1C101M CE04LW1C101M CE04KW1C470M	ELECTRØ 100UF 10WV ELECTRØ 100UF 10WV ELECTRØ 100UF 16WV ELECTRØ 100UF 16WV ELECTRØ 47UF 16WV	J S J J J	
C171, 172 C173 C173 C174 C174			CE04LW1C470M CE04KW1A101M CE04LW1A101M CE04KW1C101M CE04LW1C101M	ELECTRØ 47UF 16WV ELECTRØ 100UF 10WV ELECTRØ 100UF 10WV ELECTRØ 100UF 16WV ELECTRØ 100UF 16WV	S J S J S	
C176 C176 C177, 178 C177, 178 C183, 184			CE04KW1C470M CE04LW1C470M CE04KW1V4R7M CE04LW1V4R7M CF92FV1H683J	ELECTRØ 47UF 16WV ELECTRØ 47UF 16WV ELECTRØ 4.7UF 35WV ELECTRØ 4.7UF 35WV MF 0.068UF J	J S J S S	
C201, 202 C201, 202 C203, 204 C203, 204 C205-207			CE04KW1A101M CE04LW1A101M CE04KW1V100M CE04LW1V100M CE04KW1V4R7M	ELECTRØ 100UF 10WV ELECTRØ 100UF 10WV ELECTRØ 10UF 35WV ELECTRØ 10UF 35WV ELECTRØ 4.7UF 35WV	J S J J S	
C205-207 C208, 209 C211, 212 C211, 212			CE04LW1V4R7M CK45FF1H103Z CE04KW1C470M CE04LW1C470M	ELECTRØ 4.7UF 35WV CERAMIC 0.010UF Z ELECTRØ 47UF 16WV ELECTRØ 47UF 16WV	S J J S	
J1 J2 J5 J6 J7		*	E58-0006-05 E63-0068-15 E63-0046-15 E63-0047-15 E63-0069-15	RECTANGULAR RECEPTACLE OUTSIDE PHONE JACK SUB AMP OUTPUT PHONE JACK MD/DAT PHONE JACK VIDEO IN/OUT AUX PHONE JACK MONI, VIDEO, AV AUX		
		*	F01-2032-05	HEAT SINK		
D	1B		N89-3008-46	BINDING HEAD TAPTITE SCREW		
R45, 46 R67-70 R109-112 R123 R127, 128			RD14NB2E100J RN14BK2C4642F RD14NB2E100J RD14NB2E150J RD14NB2E100J	RD 10 J 1/4W RN 46.4K F 1/6W RD 10 J 1/4W RD 15 J 1/4W RD 10 J 1/4W		
R142 R143, 144			RS14KB3D471J RN14BK2C3161F	FL-PROOF RS 470 J 2W RN 3.16K F 1/6W		

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NO.14

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕 向	Re- marks 備考
R162 R163 R164 R182, 183 R191, 192			RS14KB3D471J RS14KB3D391J RS14KB3D471J RD14NB2E102J RD14NB2E4R7J	FL-PROOF RS 470 J 2W FL-PROOF RS 390 J 2W FL-PROOF RS 470 J 2W RD 1.0K J 1/4W RD 4.7 J 1/4W		
R203, 204 R203, 204 R217 R217 R218			RS14DB3A121J RS14KB3A121J RS14DB3A681J RS14KB3A681J RD14KB3D181J	FL-PROOF RS 120 J 1W FL-PROOF RS 120 J 1W FL-PROOF RS 680 J 1W FL-PROOF RS 680 J 1W RD 180 J 2W		J S J S J
R222 R223 R224, 225 R224, 225 R228			RD14NB2E4R7J RD14NB2E392J RS14DB3A681J RS14KB3A681J RD14NB2E101J	RD 4.7 J 1/4W RD 3.9K J 1/4W FL-PROOF RS 680 J 1W FL-PROOF RS 680 J 1W RD 100 J 1/4W		J S J S J
R233 R233 R234 R234 R239-243			RS14DB3A100J RS14KB3A100J RS14DB3A180J RS14KB3A180J RS14KB3A471J	FL-PROOF RS 10 J 1W FL-PROOF RS 10 J 1W FL-PROOF RS 18 J 1W FL-PROOF RS 18 J 1W FL-PROOF RS 470 J 1W		J S J S S
R239, 240 R241 R242, 243 R244 R244			RS14DB3A471J RS14KB3A471J RS14DB3A471J RS14DB3A681J RS14KB3A681J	FL-PROOF RS 470 J 1W FL-PROOF RS 470 J 1W FL-PROOF RS 470 J 1W FL-PROOF RS 680 J 1W FL-PROOF RS 680 J 1W		J J J J S
R245 R245 R246 R246, 247 R247			RS14DB3A471J RS14KB3A471J RS14DB3A681J RS14KB3A681J RS14KB3A681J	FL-PROOF RS 470 J 1W FL-PROOF RS 470 J 1W FL-PROOF RS 680 J 1W FL-PROOF RS 680 J 1W FL-PROOF RS 680 J 1W		J S J S J
VR1 VR2 VR3 VR4 VR5		*	R10-3050-05 R29-5057-05 R10-5067-05 R10-5066-05 R29-4023-05	POTENTIOMETER(10KX2)NB CIRCUIT POTENTIOMETER(100KX4)VOLUME POTENTIOMETER(100KX2)MIXING POTENTIOMETER(200KX2)BALANCE POTENTIOMETER(50K X3)L,A,C		V V
D1 -10 D1 -10 D11, 12 D11, 12 D14			HSS104 1SS133 HZS3.9N(B2) RD3.9ES(B2) HSS104	DIODE DIODE ZENER DIODE ZENER DIODE DIODE		
D14 D15 D15 D16 D16			1SS133 S5688B 1SR139-100 HZS6.2N(B2) RD6.2ES(B2)	DIODE DIODE DIODE ZENER DIODE ZENER DIODE		
D17, 18 D17, 18 D19 -21 D19 -21 D22			HSS104A 1SS131 S5688B 1SR139-100 HSS104	DIODE DIODE DIODE DIODE DIODE		
D22 D23, 24 D23, 24 D25, 26 D25, 26			1SS133 HZS15N(B2) RD15ES(B2) S5688B 1SR139-100	DIODE ZENER DIODE ZENER DIODE DIODE DIODE		

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NO.15

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕 向	Re- marks 備考
D27			HZS11N(B2)	ZENER DIODE		
D27			RD11ES(B2)	ZENER DIODE		
D29			HZS3.9N(B2)	ZENER DIODE		
D29			RD3.9ES(B2)	ZENER DIODE		
D30 , 31			HZS6.8N(B2)	ZENER DIODE		
D30 , 31			RD6.8ES(B2)	ZENER DIODE		
D32			HZS5.1N(B2)	ZENER DIODE		
D32			RD5.1ES(B2)	ZENER DIODE		
D33			S5688B	DIODE		
D33			1SR139-100	DIODE		
D34			HZS13N(B2)	ZENER DIODE		
D34			RD13ES(B2)	ZENER DIODE		
D35			HZS5.1N(B2)	ZENER DIODE		
D35			RD5.1ES(B2)	ZENER DIODE		
D201, 202			HZS5.6N(B2)	ZENER DIODE		
D201, 202			RD5.6ES(B2)	ZENER DIODE		
D203-206			HSS104	DIODE		
D203-206			1SS133	DIODE		
IC1		*	TC9274N-003	IC		
IC2			NJU7311L	IC(ANALOG SWITCH)		
IC3			NJU7313L	IC(ANALOG SWITCH)		
IC4		*	STK301-220	IC(GRAPHIC)		
IC5			NJU3711D	IC(8BIT I/O EXPANDER)		
IC6 -8			UPC4574C	IC(OP AMP X4)		
IC9 , 10			TA8409S	IC(MOTOR CONTROL)		
IC11			NJM4565D-D	IC(OP AMP X2)		
IC20			LVA522D	IC(VIDEO SWITCH)		
IC21			MC14576BP	IC(OP AMP X2)		
Q1 -4			2SC2878(B)	TRANSISTOR		
Q5 , 6			2SC1740S(Q,R)	TRANSISTOR		S
Q5 , 6			2SC2458(Y,GR)	TRANSISTOR		J
Q5 , 6			2SC2785(F,E)	TRANSISTOR		S
Q5 , 6			2SC3311A(Q,R)	TRANSISTOR		J
Q7			2SA1048(Y,GR)	TRANSISTOR		J
Q7			2SA1175(F,E)	TRANSISTOR		S
Q7			2SA1309A(Q,R)	TRANSISTOR		J
Q7			2SA933S(Q,R)	TRANSISTOR		S
Q8			2SC1845(F,E)	TRANSISTOR		
Q9			2SD2012	TRANSISTOR		
Q9			2SD2061	TRANSISTOR		
Q9			2SD2374	TRANSISTOR		
Q10			2SB764(E,F)	TRANSISTOR		
Q11			2SD2012	TRANSISTOR		
Q11			2SD2061	TRANSISTOR		
Q11			2SD2374	TRANSISTOR		
Q12 , 13			2SC1740S(Q,R)	TRANSISTOR		S
Q12 , 13			2SC2458(Y,GR)	TRANSISTOR		J
Q12 , 13			2SC2785(F,E)	TRANSISTOR		S
Q12 , 13			2SC3311A(Q,R)	TRANSISTOR		J
Q14			2SD2012	TRANSISTOR		
Q14			2SD2061	TRANSISTOR		
Q14			2SD2374	TRANSISTOR		
Q15 , 16			2SA1048(Y,GR)	TRANSISTOR		J
Q15 , 16			2SA1175(F,E)	TRANSISTOR		S
Q15 , 16			2SA1309A(Q,R)	TRANSISTOR		J

× New Parts

Parts without Parts No. are not supplied.
Les articles non mentionnés dans le Parts No. ne sont pas fournis.
Teile ohne Parts No. werden nicht geliefert.

NO.16

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕 向	Re- marks 備考
Q15 , 16			2SA933S(Q,R)	TRANSISTOR		S
Q17			2SD2012	TRANSISTOR		
Q17			2SD2061	TRANSISTOR		
Q17			2SD2374	TRANSISTOR		
Q18			2SB1370	TRANSISTOR		
Q18			2SB1375	TRANSISTOR		
Q19 , 20			2SC1740S(Q,R)	TRANSISTOR		S
Q19 , 20			2SC2458(Y,GR)	TRANSISTOR		J
Q19 , 20			2SC2785(F,E)	TRANSISTOR		S
Q19 , 20			2SC3311A(Q,R)	TRANSISTOR		J
Q21			2SD2012	TRANSISTOR		
Q21			2SD2061	TRANSISTOR		
Q21			2SD2374	TRANSISTOR		
Q22			2SB1370	TRANSISTOR		
Q22			2SB1375	TRANSISTOR		
Q23			2SC1740S(Q,R)	TRANSISTOR		S
Q23			2SC2458(Y,GR)	TRANSISTOR		J
Q23			2SC2785(F,E)	TRANSISTOR		S
Q23			2SC3311A(Q,R)	TRANSISTOR		J

PARTS LIST

C-B9

L:Scandinavia K:USA P:Canada J : JAPAN MADE
Y:PX(Far East, Hawaii) T:England E:Europe S : SINGAPORE MADE
Y:AAFES(Europe) X:Australia M:Other Areas W : MALAYSIA MADE
△ indicates safety critical components.

L:Scandinavia K:USA P:Canada J : JAPAN MADE
Y:PX(Far East, Hawaii) T:England E:Europe S : SINGAPORE MADE
Y:AAFES(Europe) X:Australia M:Other Areas W : MALAYSIA MADE
△ indicates safety critical components.

SPECIFICATIONS

(For U.K. and Europe)

Pre Amplifier / Tuner unit (C-B9L)

FM Tuner section

Tuning frequency range 87.5 MHz ~ 108 MHz
 Sensitivity (DIN at 75 Ω)
 MONO 1.0 μV / 11.2 dBf
 Signal to noise ratio
 (DIN weighted at 1 kHz, 65.2 dBf input)
 MONO 65 dB
 STEREO 62 dB
 Selectivity (DIN ± 300 kHz) 64 dB
 Stereo separation (DIN at 1 kHz) 40 dB
 Frequency response ... 30 Hz ~ 15 kHz + 0.5 dB, - 3 dB

MW Tuner section

Tuning frequency range 531 kHz ~ 1,602 kHz
 Usable sensitivity 12 μV / (500 μV / m)
 Signal to noise ratio 48 dB

LW Tuner section

Tuning frequency range 153 kHz ~ 279 kHz
 Usable sensitivity 22 μV
 Signal to noise ratio 45 dB

Pre Amplifier section

Total harmonic distortion
 0.02 % (40 Hz ~ 20 kHz)
 0.01 % (1 kHz)
 Input sensitivity / Impedance
 MD / DAT, VIDEO, AV AUX 200 mV / 47 kΩ
 MIC 1.9 mV / 47 kΩ
 Loudness control
 VOLUME at - 30 dB level + 6 dB (100 Hz)
 N.B. circuit + 15 dB (max.)
 (60 Hz)
 Output level / Impedance
 MD / DAT, VIDEO 200 mV / 2.2 kΩ

VIDEO section

Input level / Impedance
 VIDEO (composite) 1 Vp-p / 75 Ω
 Input (VIDEO, AV AUX)
 Output level / Impedance
 VIDEO (composite) 1 Vp-p / 75 Ω
 Output (MONITOR OUT, VIDEO)

[General]

Dimensions W: 270 mm (10-5 / 8")
 H: 85 mm (3-3 / 8")
 D: 318 mm (12-1 / 2")
 Weight (net) 2.6 kg (5.7 lb)

(For U.S.A. and Canada)

Pre Amplifier / Tuner unit (C-B9)

FM Tuner section

Tuning frequency range 87.5 MHz ~ 108 MHz
 Sensitivity (IHF) 13.2 dBf (1.2 μV at 75 Ω)
 Signal to noise ratio at 1 kHz
 MONO 75 dB (65 dBf input)
 STEREO 68 dB (65 dBf input)
 Selectivity (IHF ± 400 kHz) 50 dB
 Stereo separation (IHF at 1 kHz) 40 dB
 Frequency response ... 30 Hz ~ 15 kHz + 0.5 dB, - 3 dB

AM Tuner section

Tuning frequency range 530 kHz ~ 1,700 kHz
 Usable sensitivity 12 μV / (500 μV / m)
 Signal to noise ratio 48 dB

Pre Amplifier section

Total harmonic distortion
 0.02 % (40 Hz ~ 20 kHz)
 0.01 % (1 kHz)
 Input sensitivity / Impedance
 MD / DAT, VIDEO, AV AUX 200 mV / 47 kΩ
 MIC 1.9 mV / 47 kΩ
 Loudness control
 VOLUME at - 30 dB level + 6 dB (100 Hz)
 N.B. circuit + 15 dB (max.)
 (60 Hz)
 Output level / Impedance
 MD / DAT, VIDEO 200 mV / 2.2 kΩ

VIDEO section

Input level / Impedance
 VIDEO (composite) 1 Vp-p / 75 Ω
 Input (VIDEO, AV AUX)

Output level / Impedance
 VIDEO (composite) 1 Vp-p / 75 Ω
 Output (MONITOR OUT, VIDEO)

[General]

Dimensions W: 270 mm (10-5 / 8")
 H: 85 mm (3-3 / 8")
 D: 318 mm (12-1 / 2")
 Weight (net) 2.6 kg (5.7 lb)

(For other countries)

Pre Amplifier / Tuner unit (C-B9)

FM Tuner section

Tuning frequency range 87.5 MHz ~ 108 MHz
 Sensitivity (IHF) 13.2 dBf (1.2 μV at 75 Ω)
 Signal to noise ratio at 1 kHz
 MONO 75 dB (65 dBf input)
 STEREO 68 dB (65 dBf input)
 Selectivity (IHF ± 400 kHz) 50 dB
 Stereo separation (IHF at 1 kHz) 40 dB
 Frequency response ... 30 Hz ~ 15 kHz + 0.5 dB, - 3 dB

AM Tuner section

Tuning frequency range
 9 kHz step 531 kHz ~ 1,602 kHz
 10 kHz step 530 kHz ~ 1,610 kHz
 Usable sensitivity 12 μV / (500 μV / m)
 Signal to noise ratio 48 dB

Pre Amplifier section

Total harmonic distortion
 0.02 % (40 Hz ~ 20 kHz)
 0.01 % (1 kHz)
 Input sensitivity / Impedance
 MD / DAT, VIDEO, AV AUX 200 mV / 47 kΩ
 MIC 1.9 mV / 47 kΩ
 Loudness control
 VOLUME at - 30 dB level + 6 dB (100 Hz)
 N.B. circuit + 15 dB (max.)
 (60 Hz)
 Output level / Impedance
 MD / DAT, VIDEO 200 mV / 2.2 kΩ

VIDEO section

Input level / Impedance
 VIDEO (composite) 1 Vp-p / 75 Ω
 Input (VIDEO, AV AUX)
 Output level / Impedance
 VIDEO (composite) 1 Vp-p / 75 Ω
 Output (MONITOR OUT, VIDEO)

[General]

Dimensions W: 270 mm (10-5 / 8")
 H: 85 mm (3-3 / 8")
 D: 318 mm (12-1 / 2")
 Weight (net) 2.6 kg (5.7 lb)

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