

Illust. is KRF-V8080D.

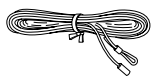
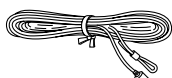
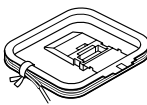
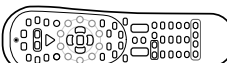
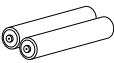
* Refer to parts list on page 29 .



KRF-V8080D/V8080D-S/VR-8050

ACCESSORIES / CAUTIONS

Accessories

FM indoor antenna (1) (T90-0877-05): EE1 	(T90-0905-05): KP 	AM loop antenna (1) (T90-0893-05) 	Remote control unit (1) RC-R0823 (A70-1623-05): EE1 RC-R0822 (A70-1622-05): KP 	Batteries (R6/AA) (2) 
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Color vs Model

Model	Color	ABB.
KRF-V8080D	Black	E
KRF-V8080D-S	Silver	E1
VR-8050	Black	KP


Cautions

Resetting the Microcomputer

The microcomputer may malfunction (unit cannot be operated, or shows an erroneous display) if the power cord is unplugged while the power is ON, or due to some other external factor. If this happens, execute the following procedure to reset.

- Please note that resetting the microcomputer will clear the contents of the memory and return the unit to the state it was in when it left the factory.

For the U.S.A. and Canada

Unplug the power cord from the wall outlet, then plug it back in while holding down the POWER ON/STANDBY  key.

For other countries

With the power cord plugged in, turn the POWER ON/OFF key OFF. Then, while holding down the ON/STANDBY  key, press POWER ON/OFF key.

Memory back up function

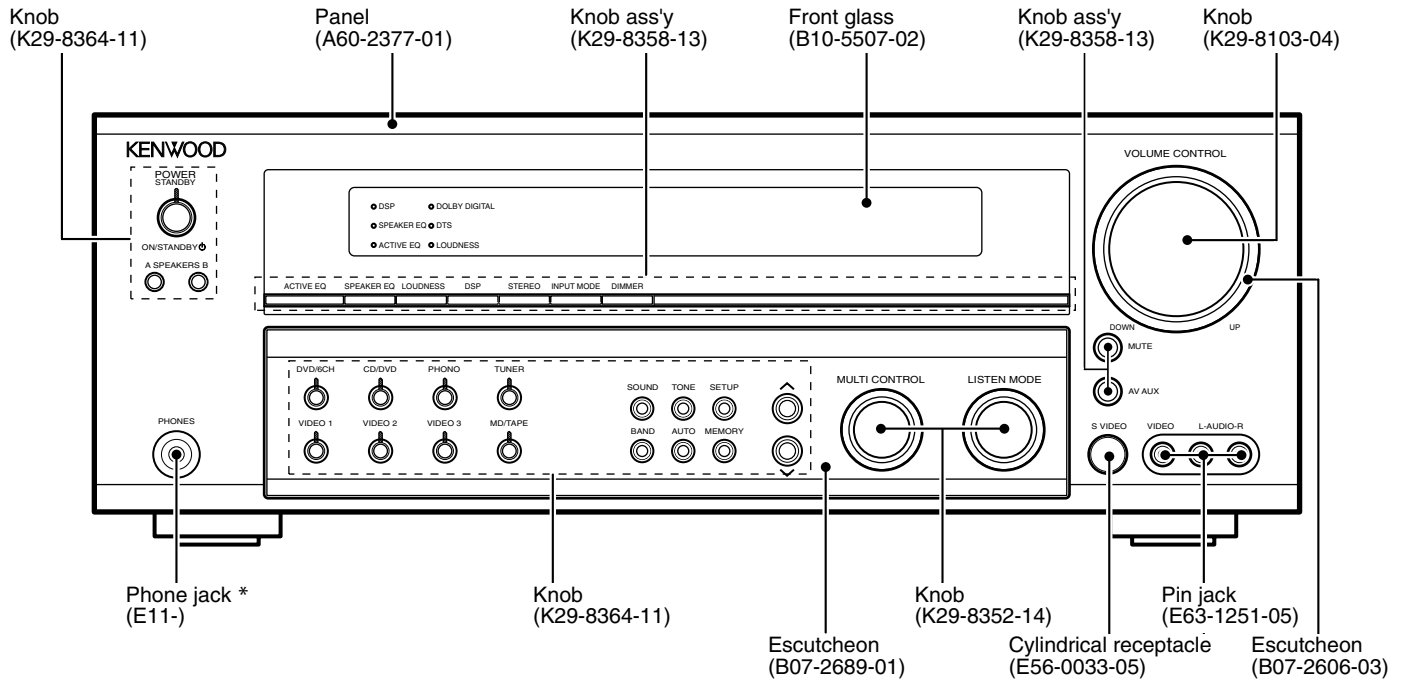
Please note that the following items will be deleted from the unit's memory if the power cord is disconnected from the AC outlet for approximately 1 day.

- Power mode
- Input selector settings
- Picture output
- Speaker ON/OFF
- Volume level
- BASS, TREBLE, INPUT level
- TONE ON/OFF
- LOUDNESS ON/OFF
- Dimmer level
- MD/TAPE settings
- Listen mode setting
- Speaker settings
- Distance setting
- Input mode setting
- Sound mode settings
- Broadcast band
- Frequency setting
- Preset stations
- Tuning mode
- ACTIVE EQ mode
- SPEAKER EQ mode

KRF-V8080D/V8080D-S/VR-8050

EXTERNAL VIEW / ADJUSTMENT

EXTERNAL VIEW



Illust. is VR-8050.

* Refer to parts list on page 29 .

ADJUSTMENT

No.	ITEM	INPUT SETTINGS	OUTPUT SETTINGS	RECEIVER SETTINGS	ALIGNMENT POINTS	ALIGN FOR	FIG.
AUDIO SECTION		SPEAKER : A					
<1>	IDLE CURRENT	-	CN11, FL ch. CN10, FR ch. CN14, SL ch. CN13, SR ch. CN12, C ch. CN15, SW ch. X09(A/5)	(FRONT 2ch MODE) Volume: Minimum	VR1(FL) VR2(FR) VR3(SL) VR4(SR) VR5(CENTER) VR6(SUB WOOFER) X09(A/5)	Adjust every potentiometer 10 minutes later after turned the power on.	

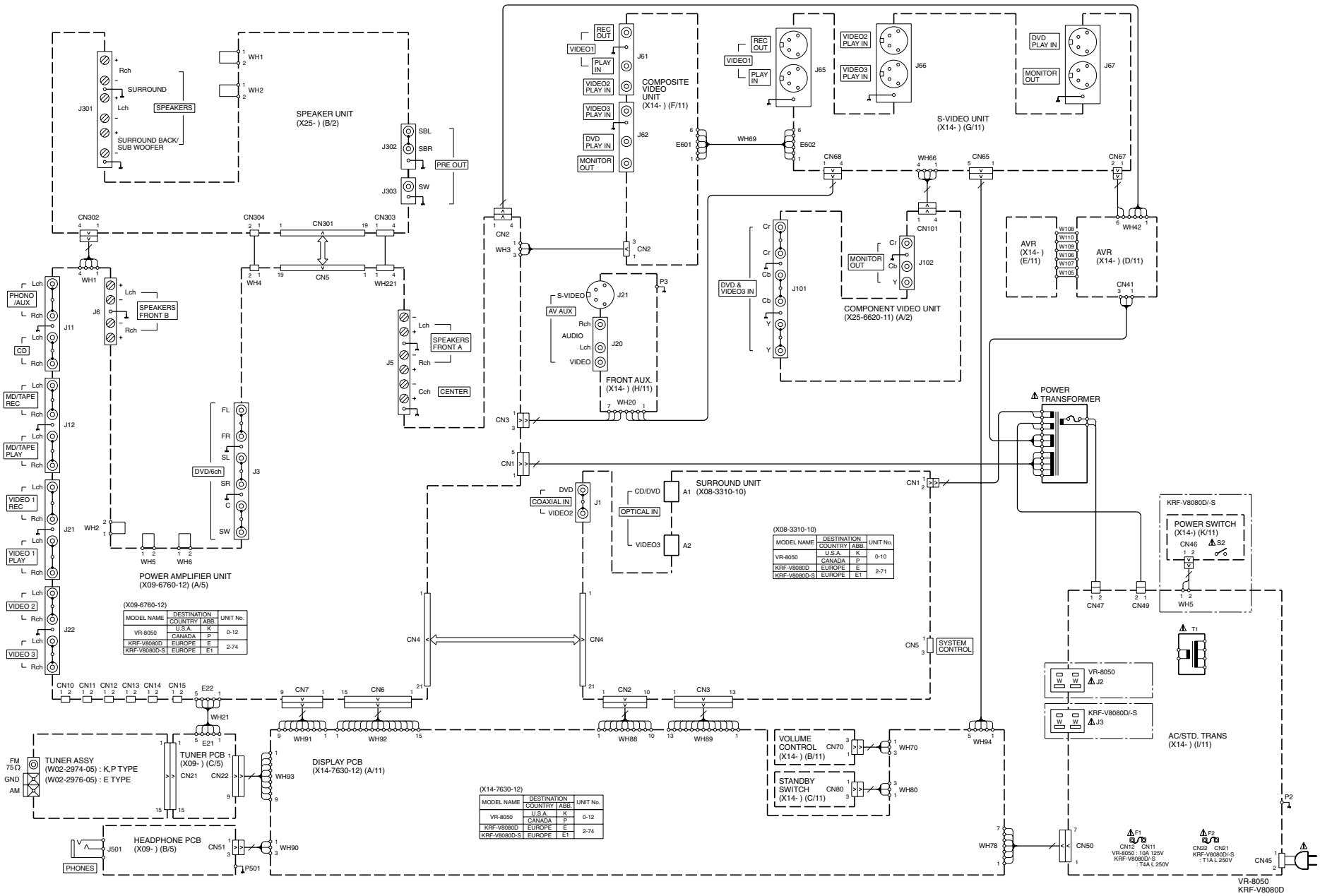
Idling Current Adjustment

All power amplifier stage need idling current adjustment after the installation of TRAIT transistor.

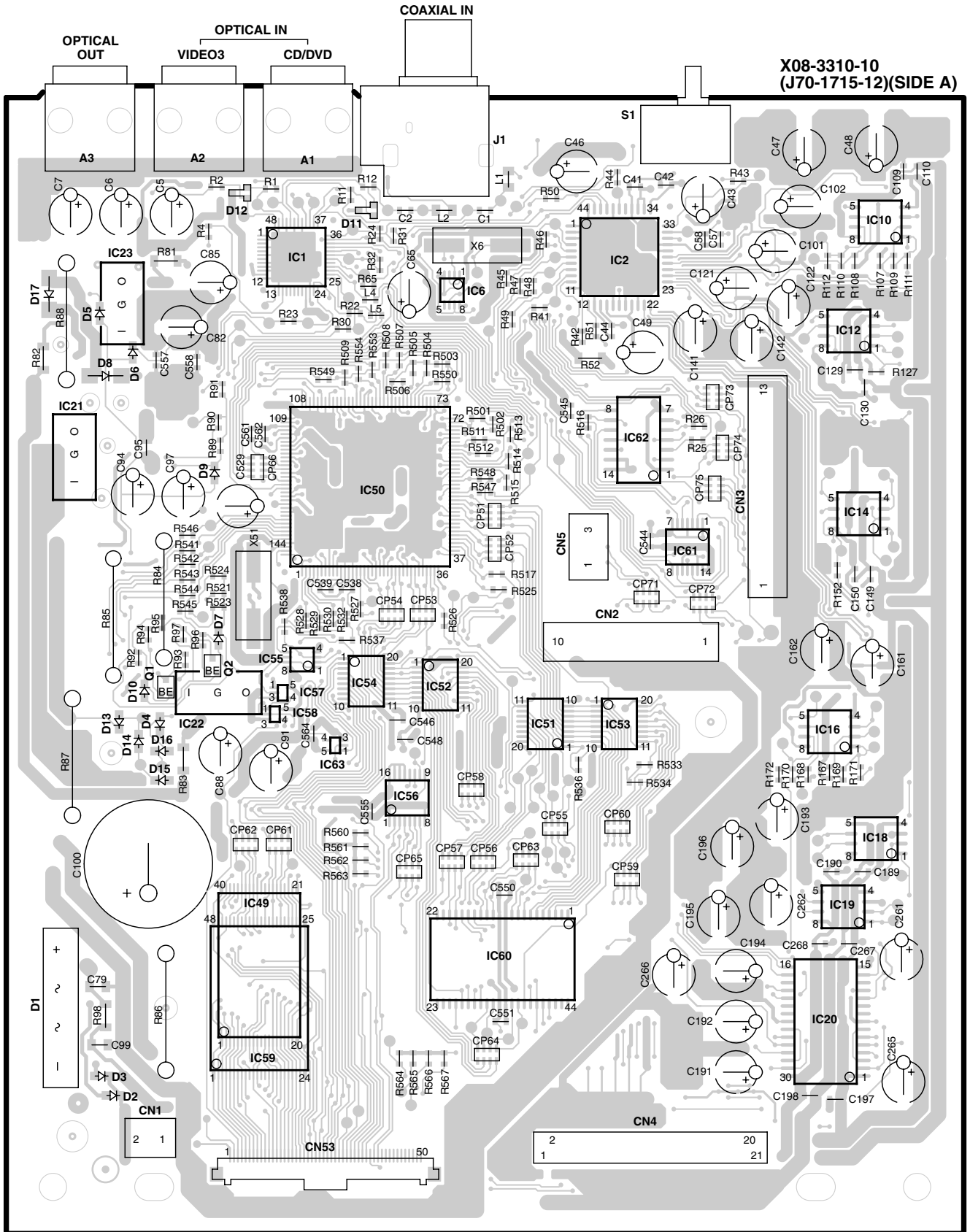
1. Connect a voltmeter to CN11 with the correct polarity as indicated by the PCB silk print.
2. Adjust the preset, VR1 to get 8.8mV (Idling current = 20mA) at the voltmeter reading.
3. Repeat step 1 and 2 for all other channels.

KRF-V8080D/V8080D-S/VR-8050

INTERCONNECTION DIAGRAM



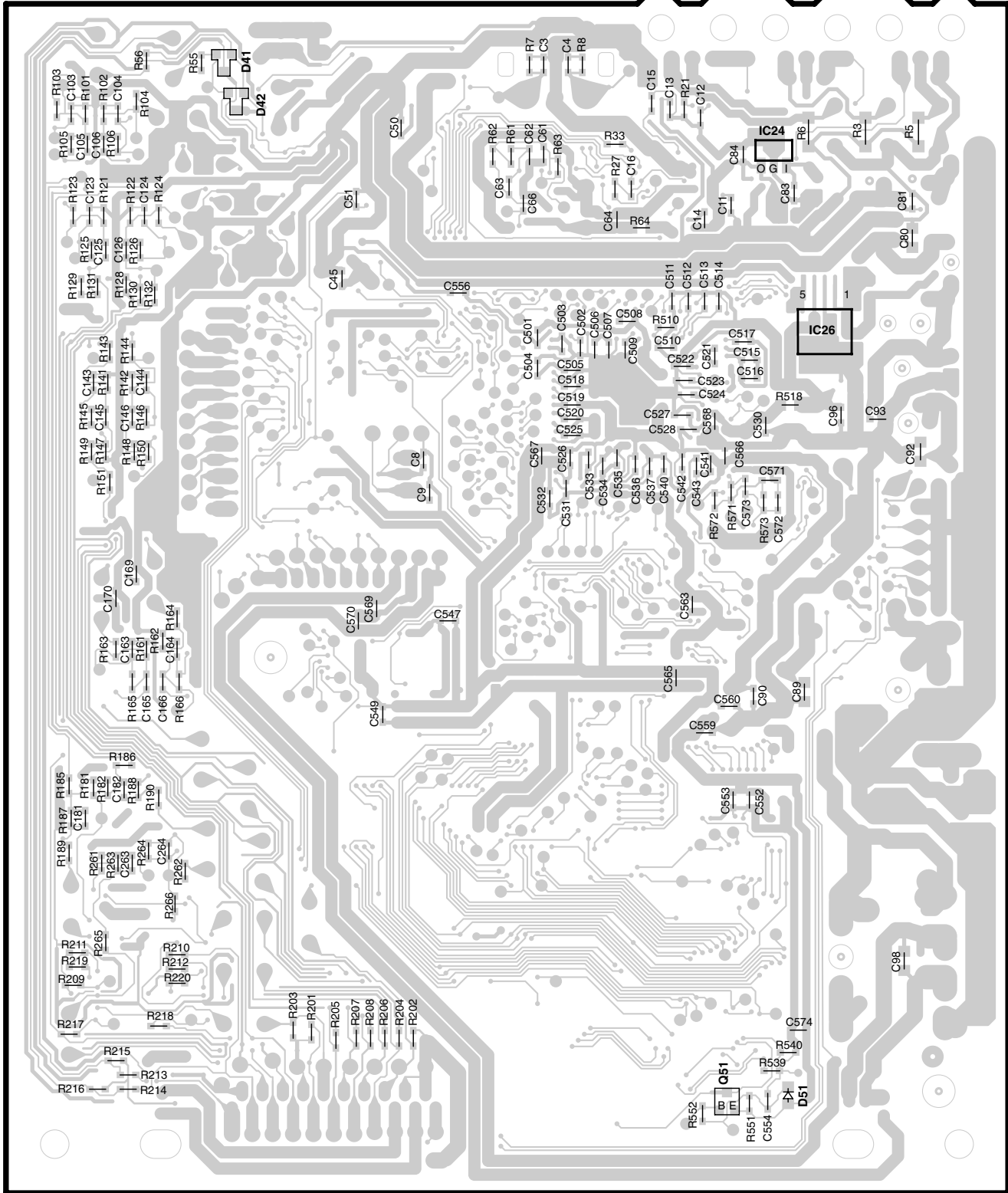
PC BOARD (Component side view)



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

PC BOARD (Component side view)

X08-3310-10 (J70-1715-12)(SIDE B)



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

PC BOARD(Component side view)

X09-6760-10 A/5
(J70-1676-01)

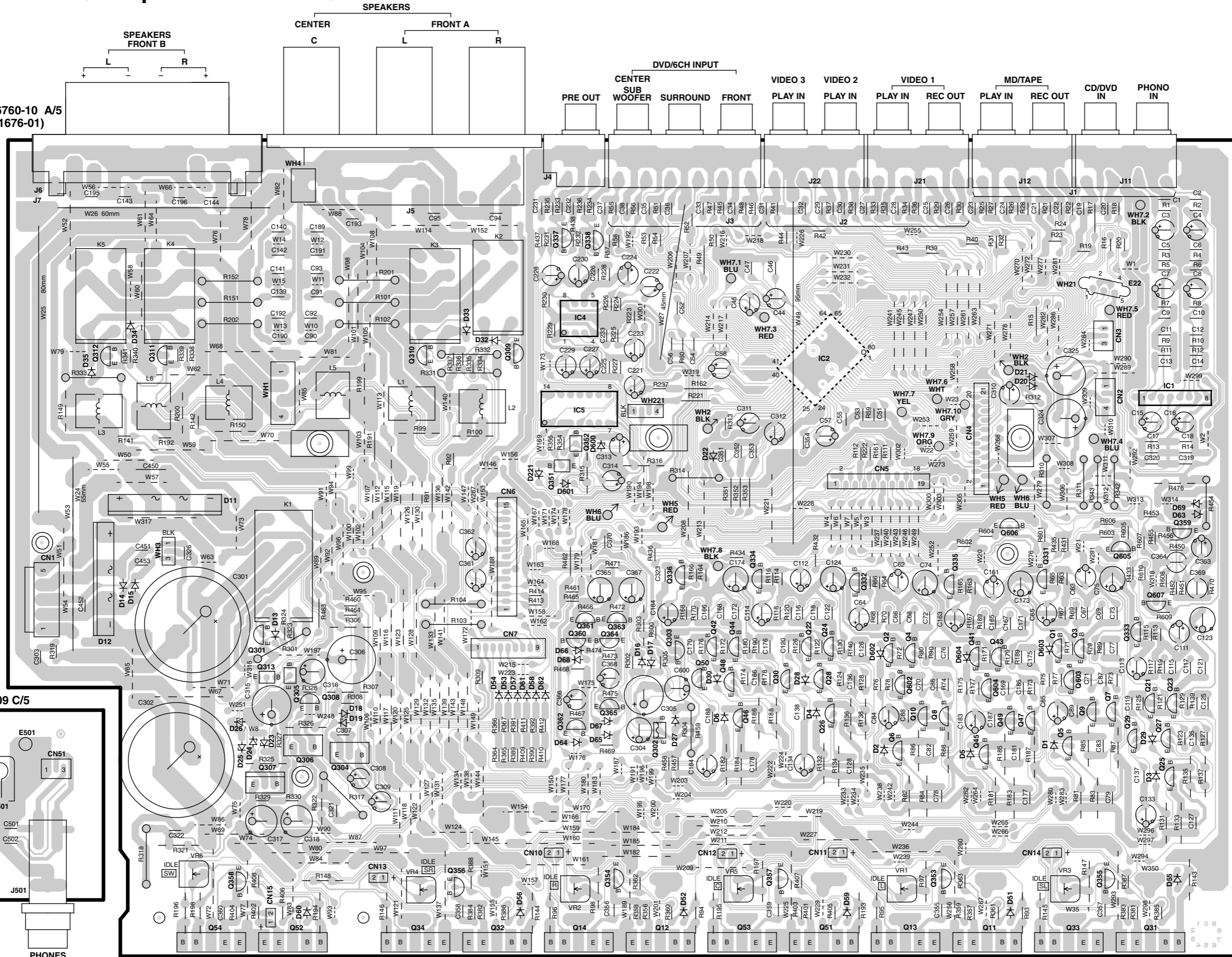
X09 E/5

X09 B/5

X09 C/5

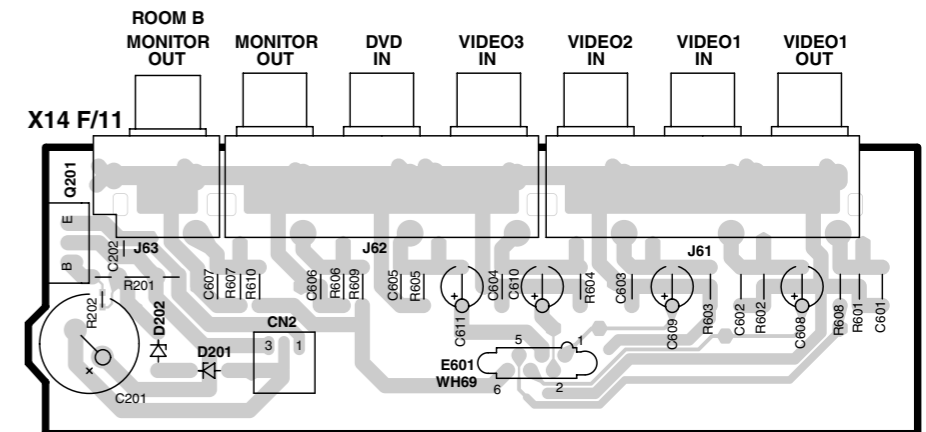
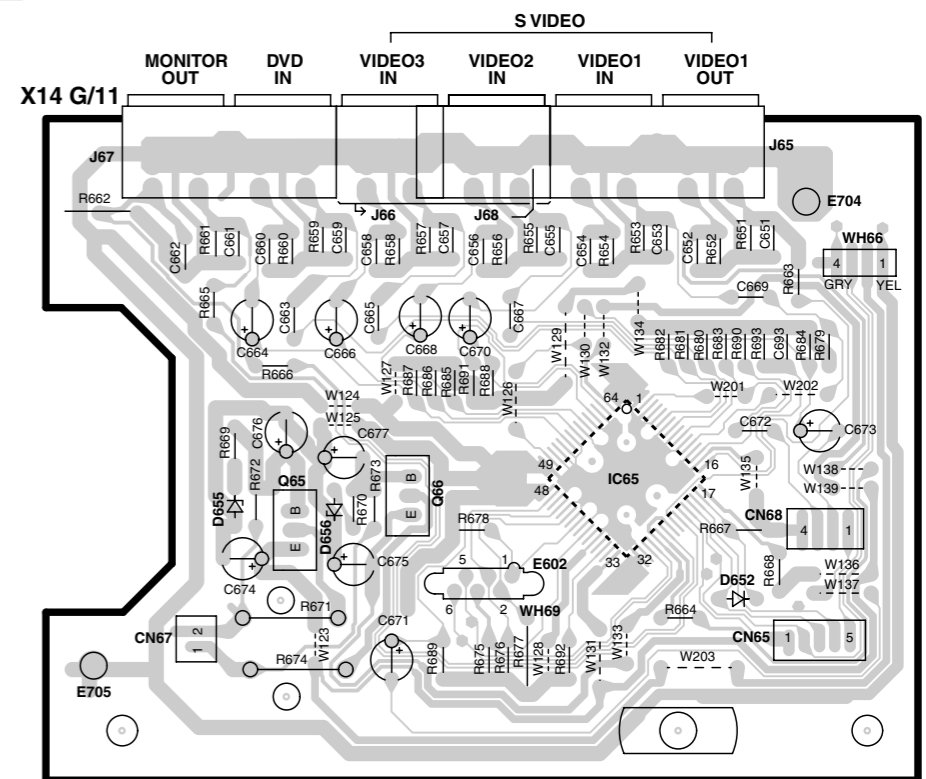
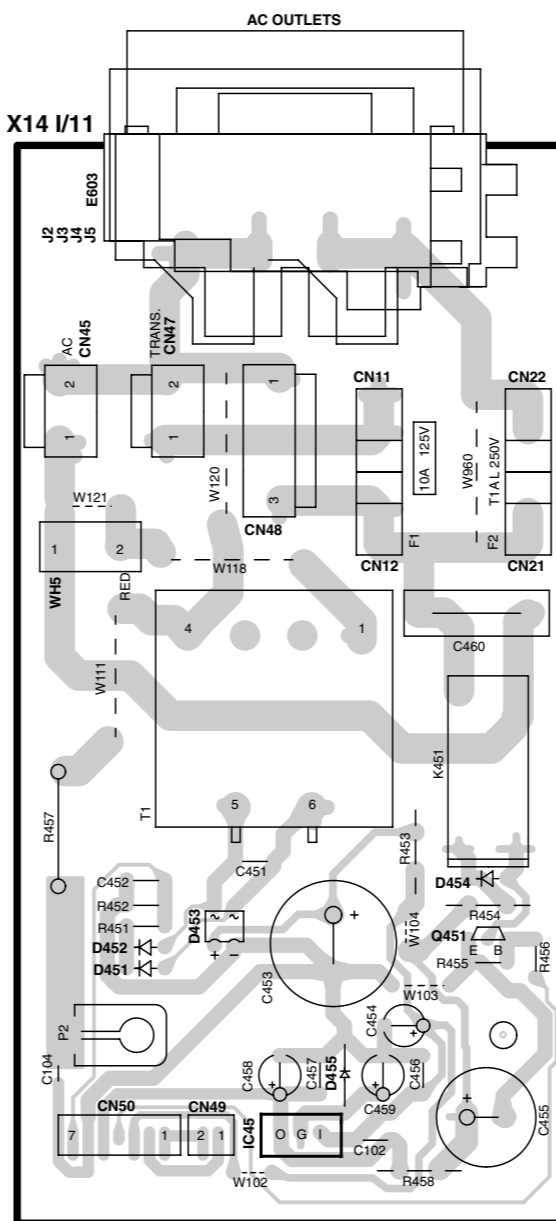
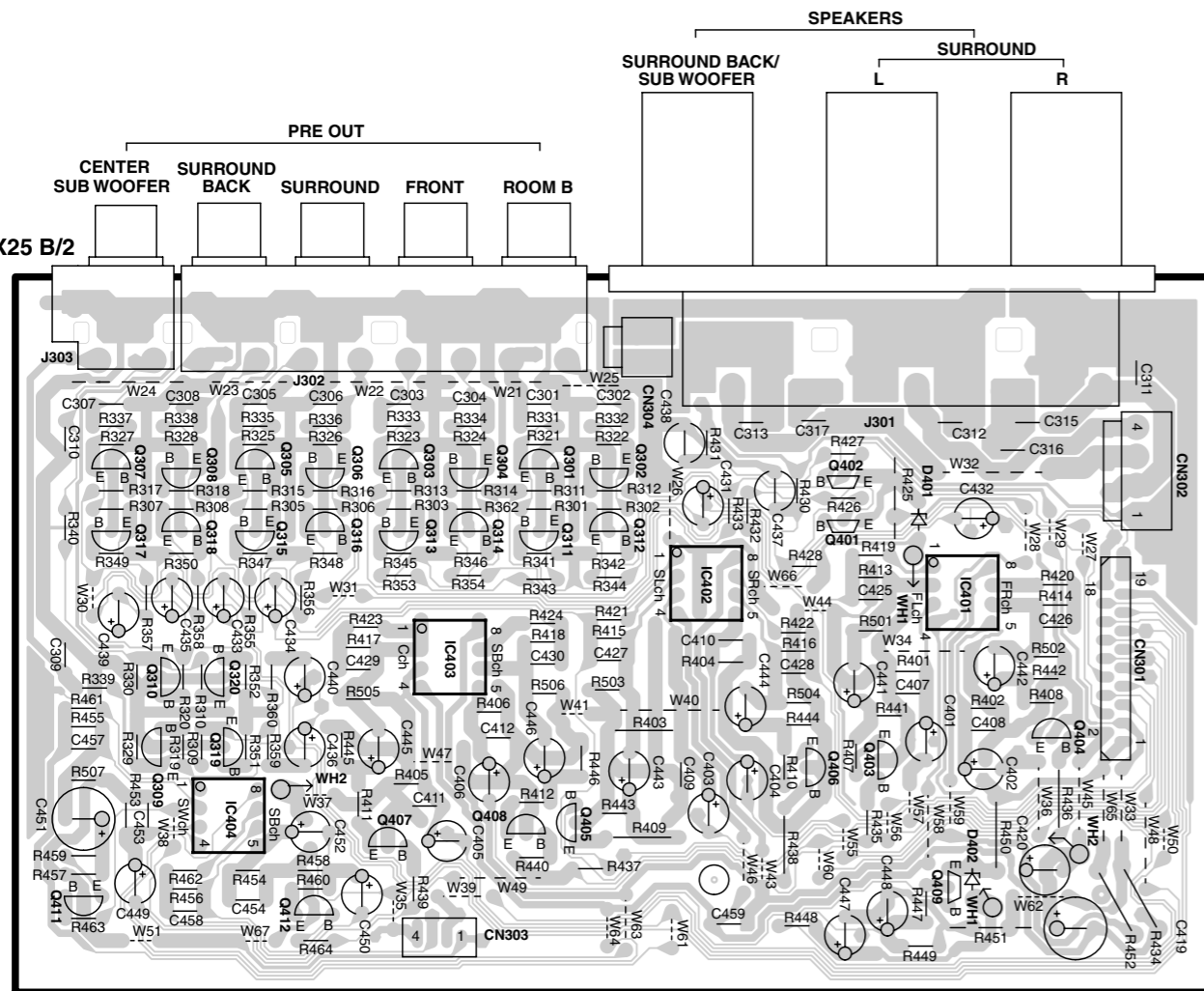
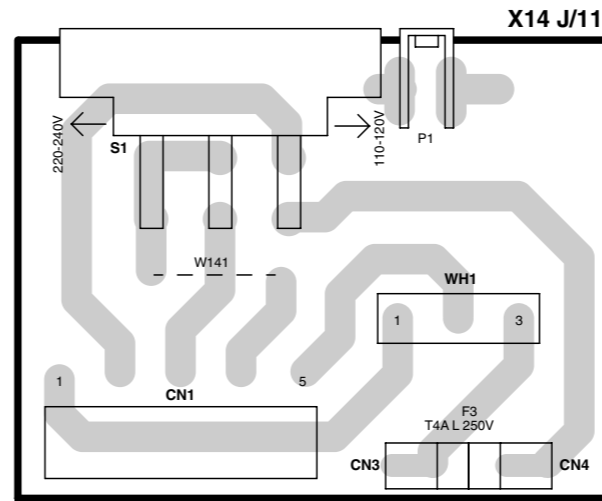
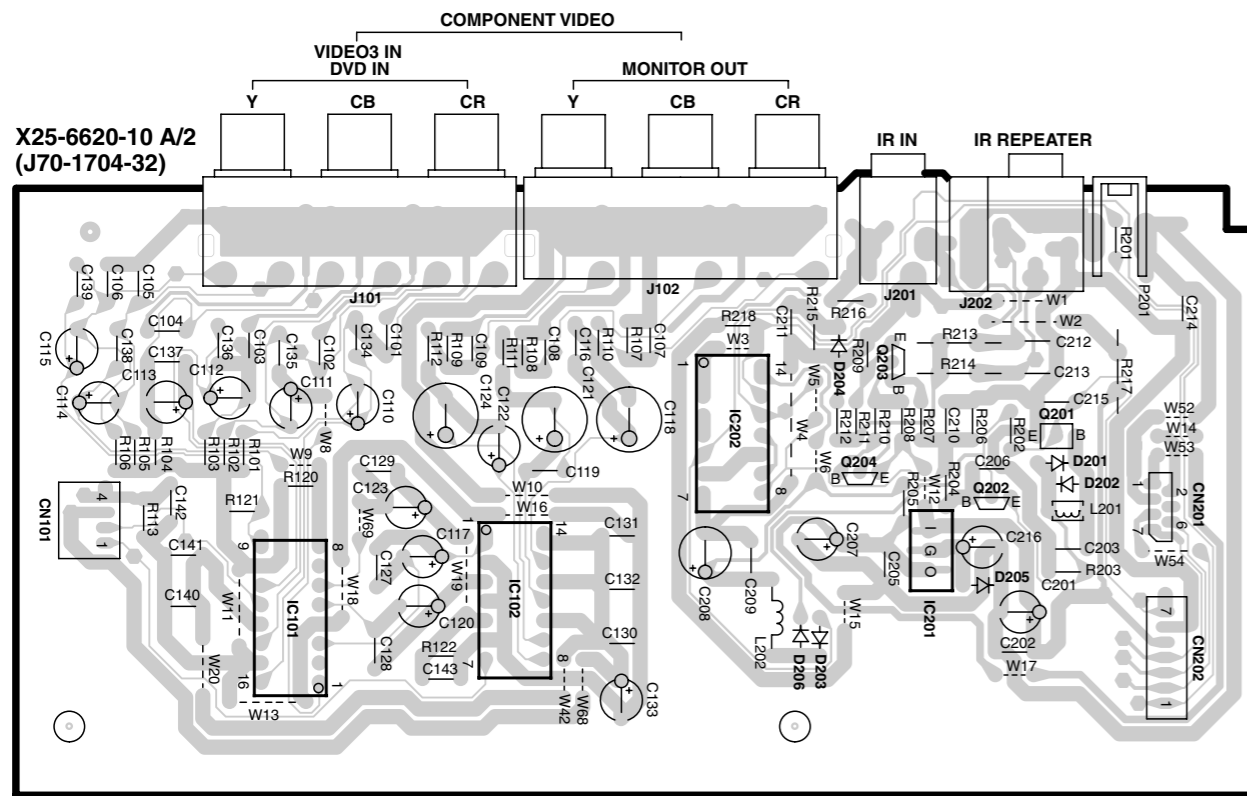
X09 D/5

X09 E/5



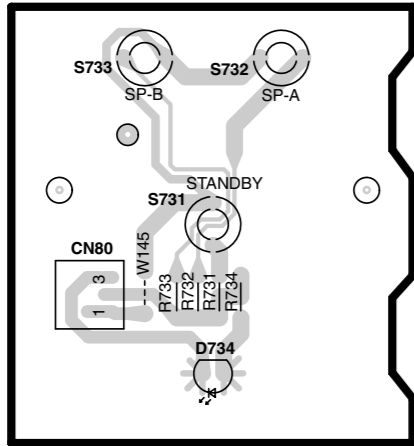
Refer to the schematic diagram for the value of resistors and capacitors.

PC BOARD(Component side view)

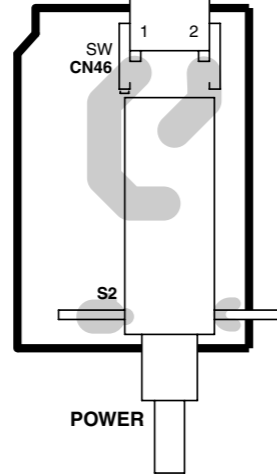


PC BOARD(Component side view)

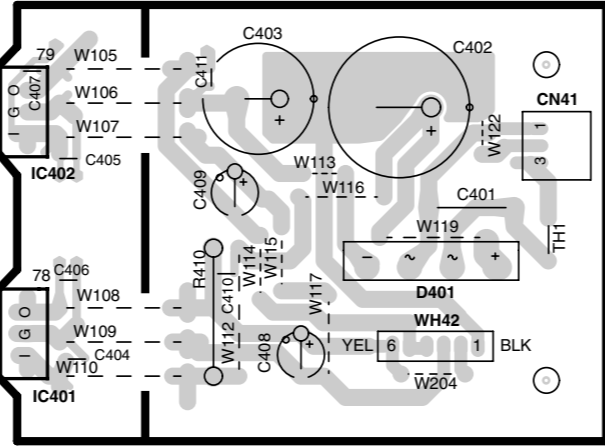
X14 C/11



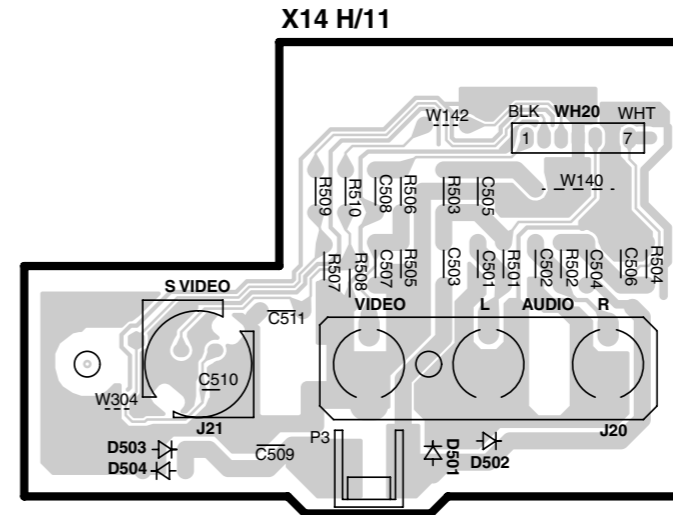
X14 K/11



X14 E/11

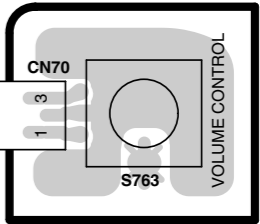


X14 D/11

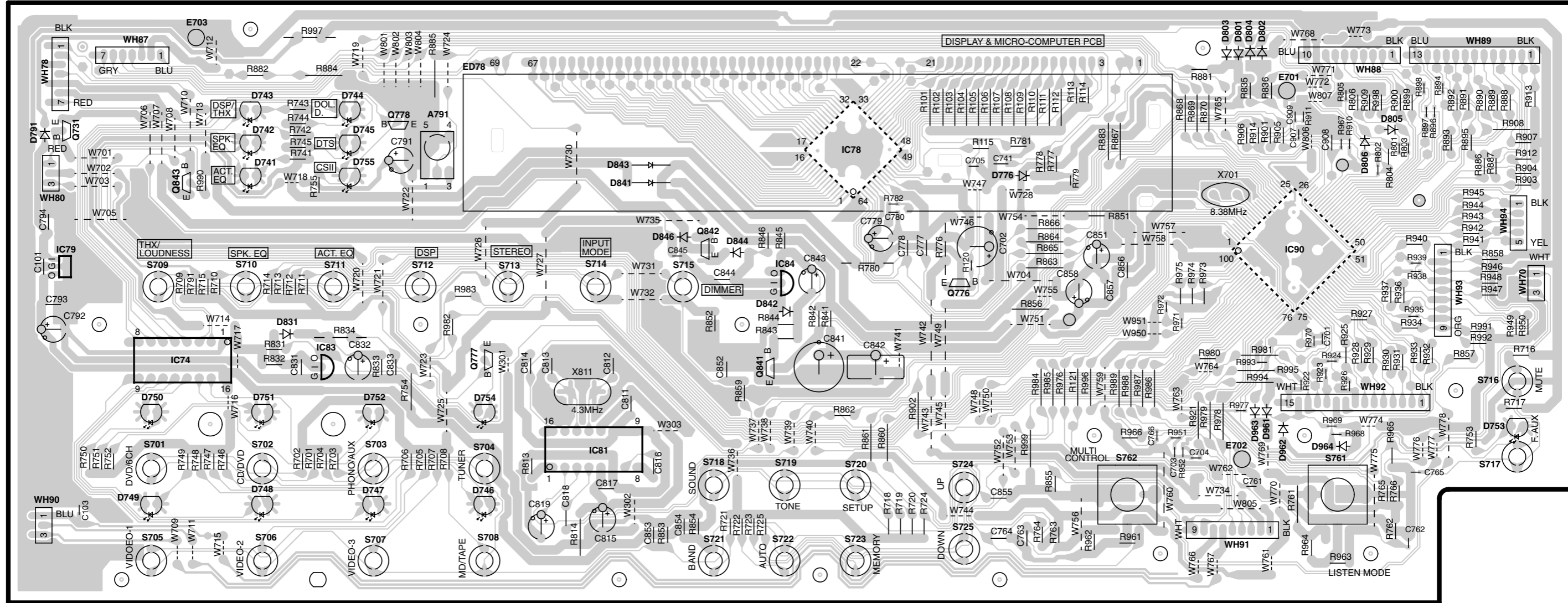


X14 H/11

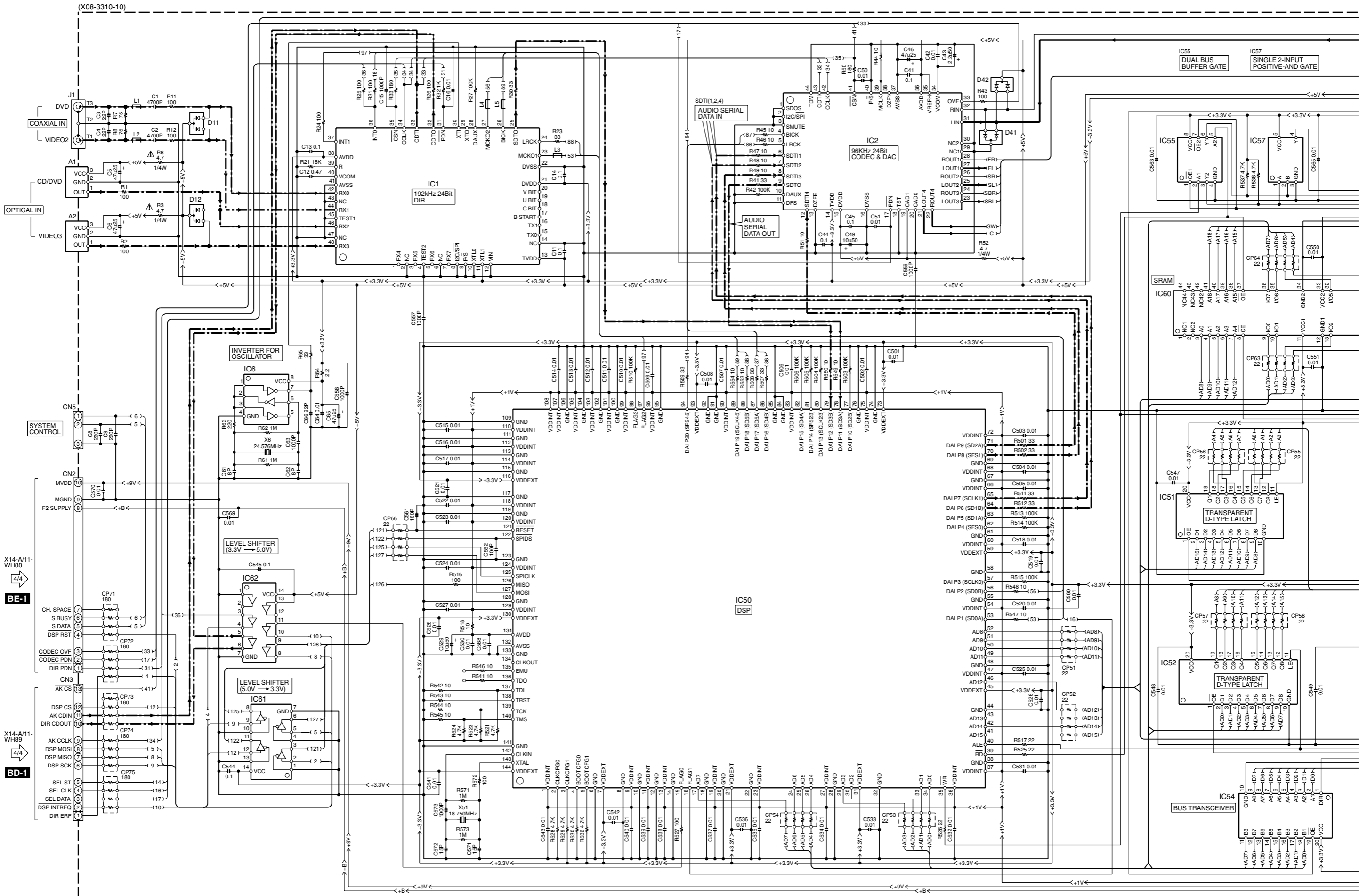
X14 B/11



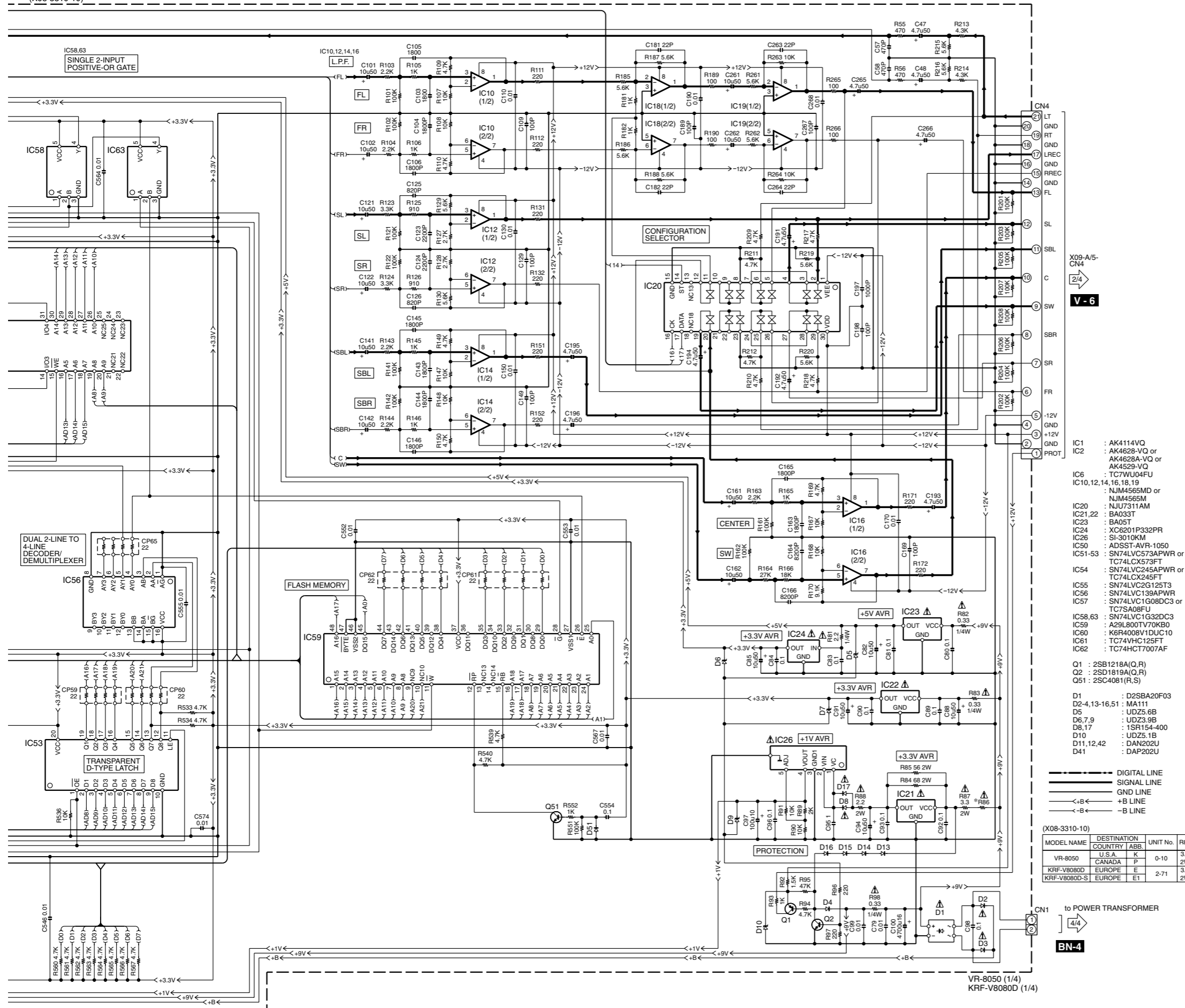
X14-7630-10 A/11 (J70-1675-11)



KRF-V8080D/V8080D-S/VR-8050



(X08-3310-10)



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The DC voltage is an actual reading measured with a high impedance type voltmeter with no signal input. The measurement value may vary depending on the measuring instruments used or on the product.

- IC1 : AK4114VQ
- IC2 : AK4628-VQ or AK4628A-VQ or AK4529-VQ
- IC6 : TC7WU04FU
- IC10,12,14,16,18,19 : NJM4565MD or NJM4565M
- IC20 : NJU7311AM
- IC21,22 : BA033T
- IC23 : BA05T
- IC24 : XC6201P332PR
- IC26 : SI-3010KM
- IC50 : ADSS-AVR-1050
- IC51-53 : SN74LVC573APWR or TC74LCX573FT
- IC54 : SN74LVC245APWR or TC74LCX245FT
- IC55 : SN74LVC2G125T3
- IC56 : SN74LVC139APWR
- IC57 : SN74LVC1G08DC3 or TC7SA08FU
- IC58.63 : SN74LVC1G32DC3
- IC59 : A29L800T70KB0
- IC60 : K6R4008V1DUC10
- IC61 : TC74VHC125FT
- IC62 : TC74HCT7007AF

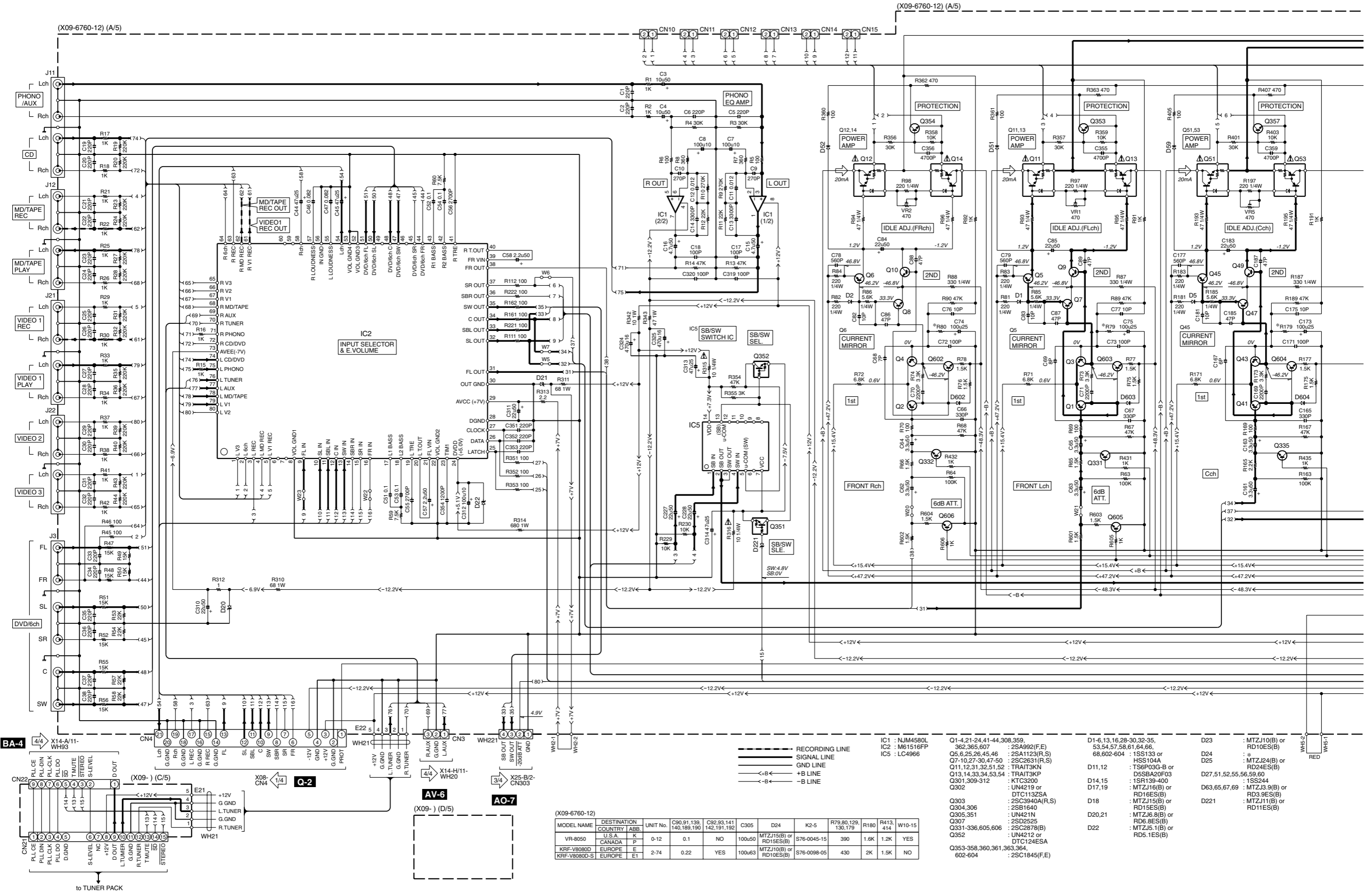
- Q1 : 2SB1218A(Q,R)
- Q2 : 2SD1819A(Q,R)
- Q51 : 2SC4081(R,S)

- D1 : D2SBA20F03
- D2-4,13-16,51 : MA111
- D5 : UDZ5.6B
- D6,7,9 : UDZ3.9B
- D8,17 : 1SR154-400
- D10 : UDZ5.1B
- D11,12,42 : DAN202U
- D41 : DAP202U

MODEL NAME	DESTINATION COUNTRY	ABB.	UNIT No.	R86
VR-8050	U.S.A.	K	0-10	3.3
KRF-V8080D	CANADA	P		2W
KRF-V8080D	EUROPE	E	2-71	3.9
KRF-V8080D-S	EUROPE	E1		2W

to POWER TRANSFORMER

KRF-V8080D/V8080D-S/VR-8050

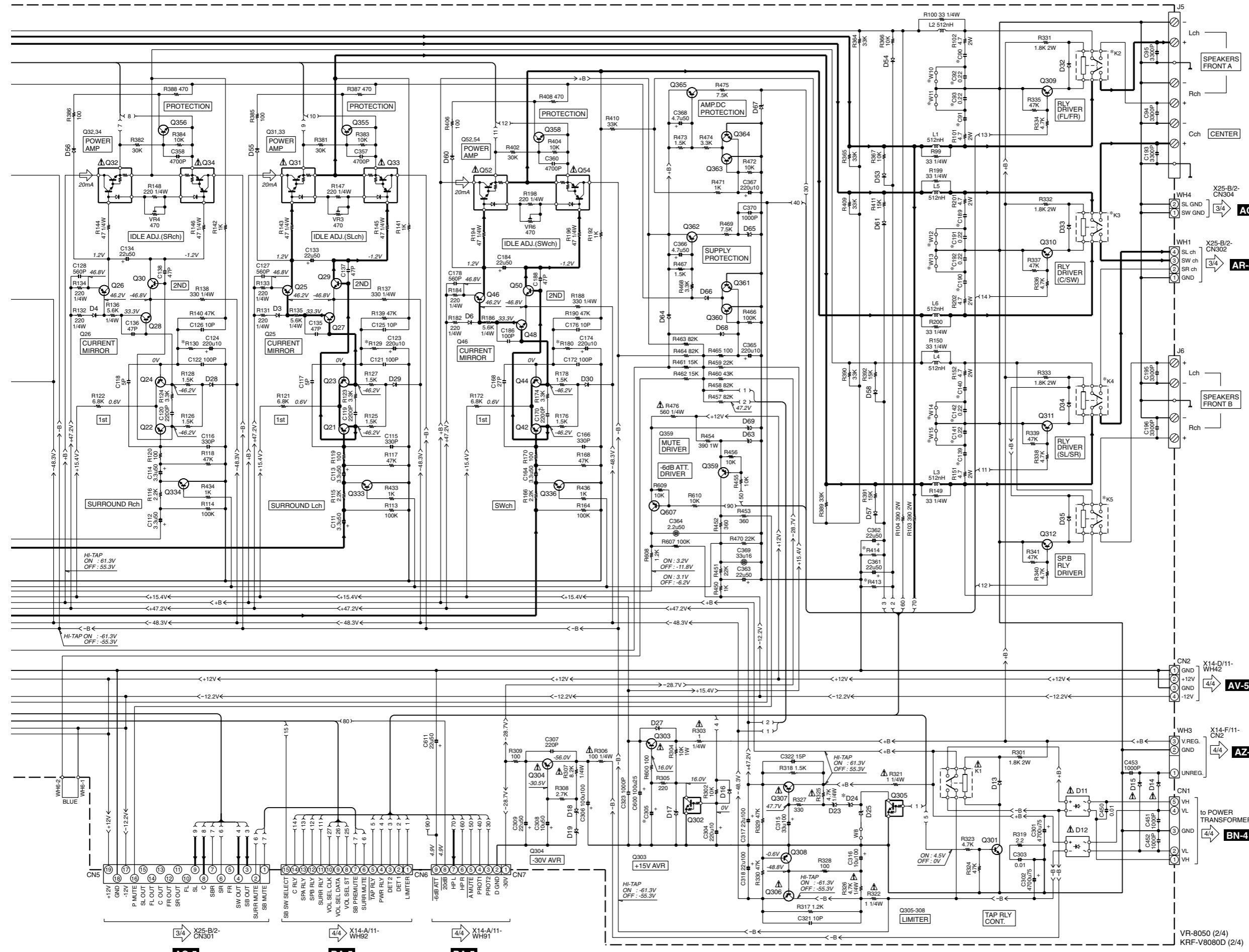


(X09-6760-12)

MODEL NAME	DESTINATION COUNTRY	ABB.	UNIT No.	C90,91,139,140,189,190	C92,93,141,142,191,192	C305	D24	K2-5	R79,80,129,130,179	R180	R413,414	W10-15
VR-8050	U.S.A.	K	0-12	0.1	NO	100u50	MTZJ15(B) or RD15ES(B)	S76-0045-15	390	1.6K	1.2K	YES
KRF-V8080D	CANADA	P										
KRF-V8080D-S	EUROPE	E	2-74	0.22	YES	100u63	MTZJ10(B) or RD10ES(B)	S76-0098-05	430	2K	1.5K	NO

- RECORDING LINE
SIGNAL LINE
GND LINE
+B LINE
-B LINE
- IC1 : NJM4580L
IC2 : M61516FP
IC5 : LC4966
- Q1-4,21-24,41-44,308,359,362,365,607 : 2SA992(F,E)
Q5,6,25,26,45,46 : 2SA1123(R,S)
Q7-10,27-30,47-50 : 2SC2631(R,S)
Q11,12,31,32,51,52 : TRAIT3KN
Q13,14,33,34,53,54 : TRAIT3KP
Q301,309-312 : KT C3200
Q302 : UN4219 or DT C113ZSA
Q303 : 2SC3940A(R,S)
Q304,306 : 2SB1640
Q305,351 : UN421N
Q307 : 2SD2525
Q331-336,605,606 : 2SC2878(B)
Q352 : UN4212 or DT C124ESA
Q353-358,360,361,363,364,602-604 : 2SC1845(F,E)
- D1-6,13,16,28-30,32-35,53,54,57,58,61,64,66,68,602-604 : 1S5133 or HSS104A
D11,12 : TS6P03G-B or DSSBA20F03
D14,15 : 1SR139-400
D17,19 : MTZJ16(B) or RD16ES(B)
D18 : MTZJ15(B) or RD15ES(B)
D20,21 : MTZJ6.8(B) or RD6.8ES(B)
D22 : MTZJ5.1(B) or RD5.1ES(B)
- D23 : MTZJ10(B) or RD10ES(B)
D24 : *
D25 : MTZJ24(B) or RD24ES(B)
D27,51,52,55,56,59,60 : 1SS244
D63,65,67,69 : MTZJ3.9(B) or RD3.9ES(B)
D221 : MTZJ11(B) or RD11ES(B)

KRF-V8080D/V8080D-S/VR-8050



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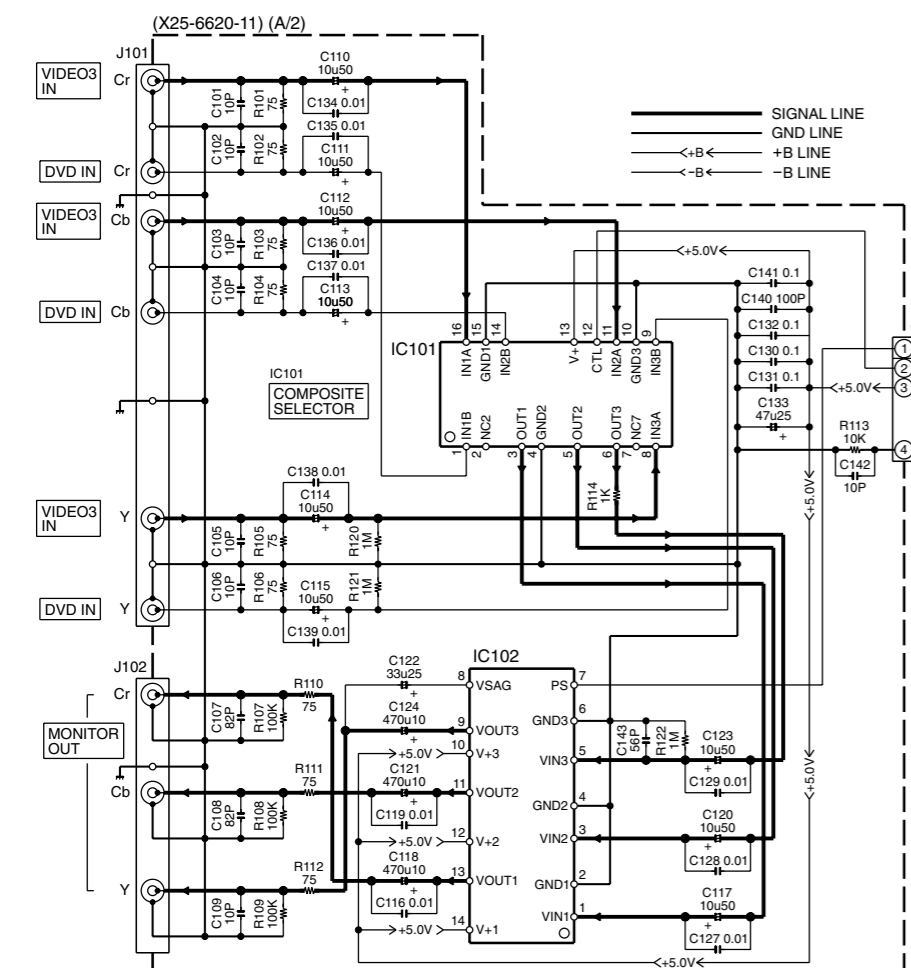
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AO-5

BA-5

BA-5

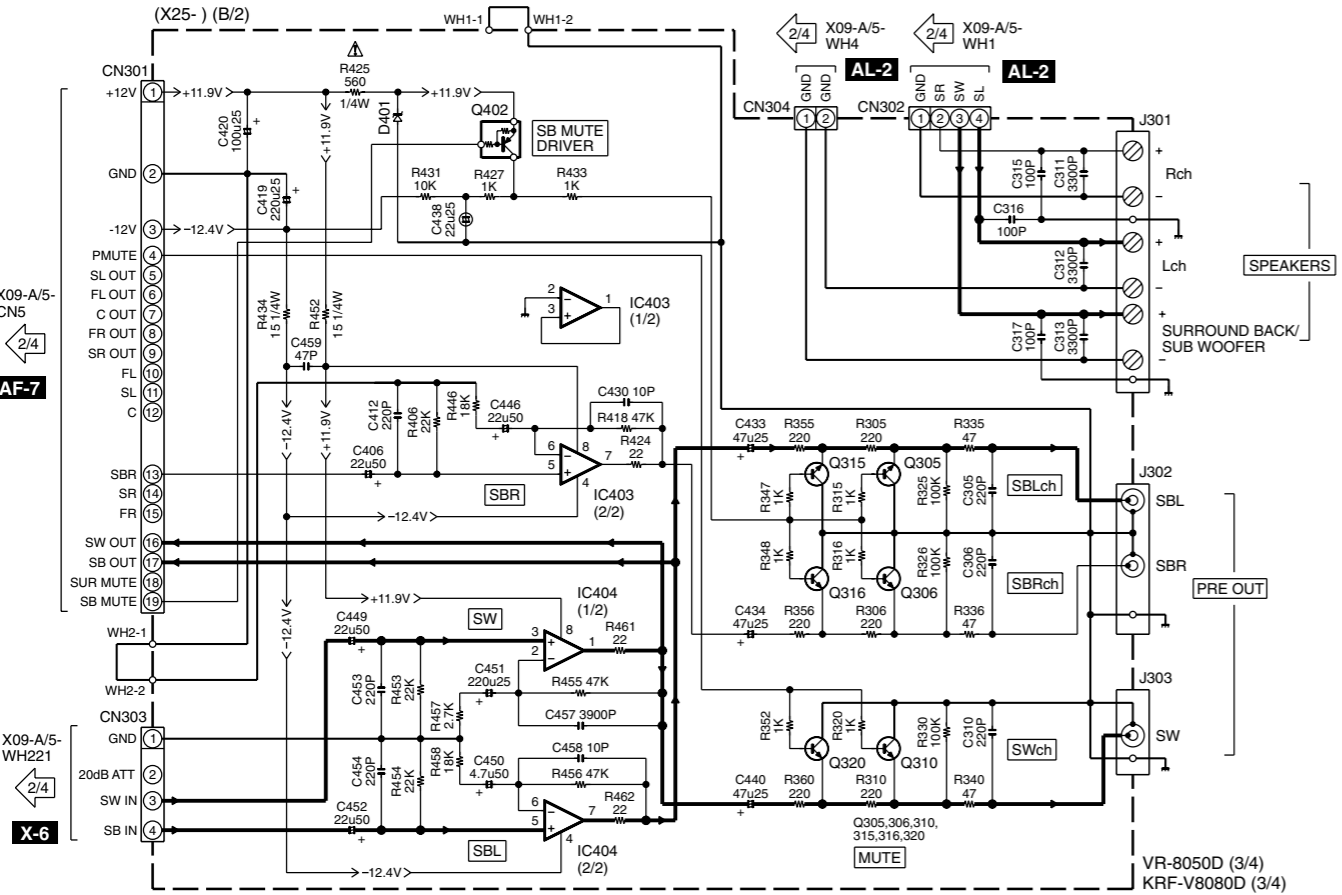
KRF-V8080D/V8080D-S/VR-8050



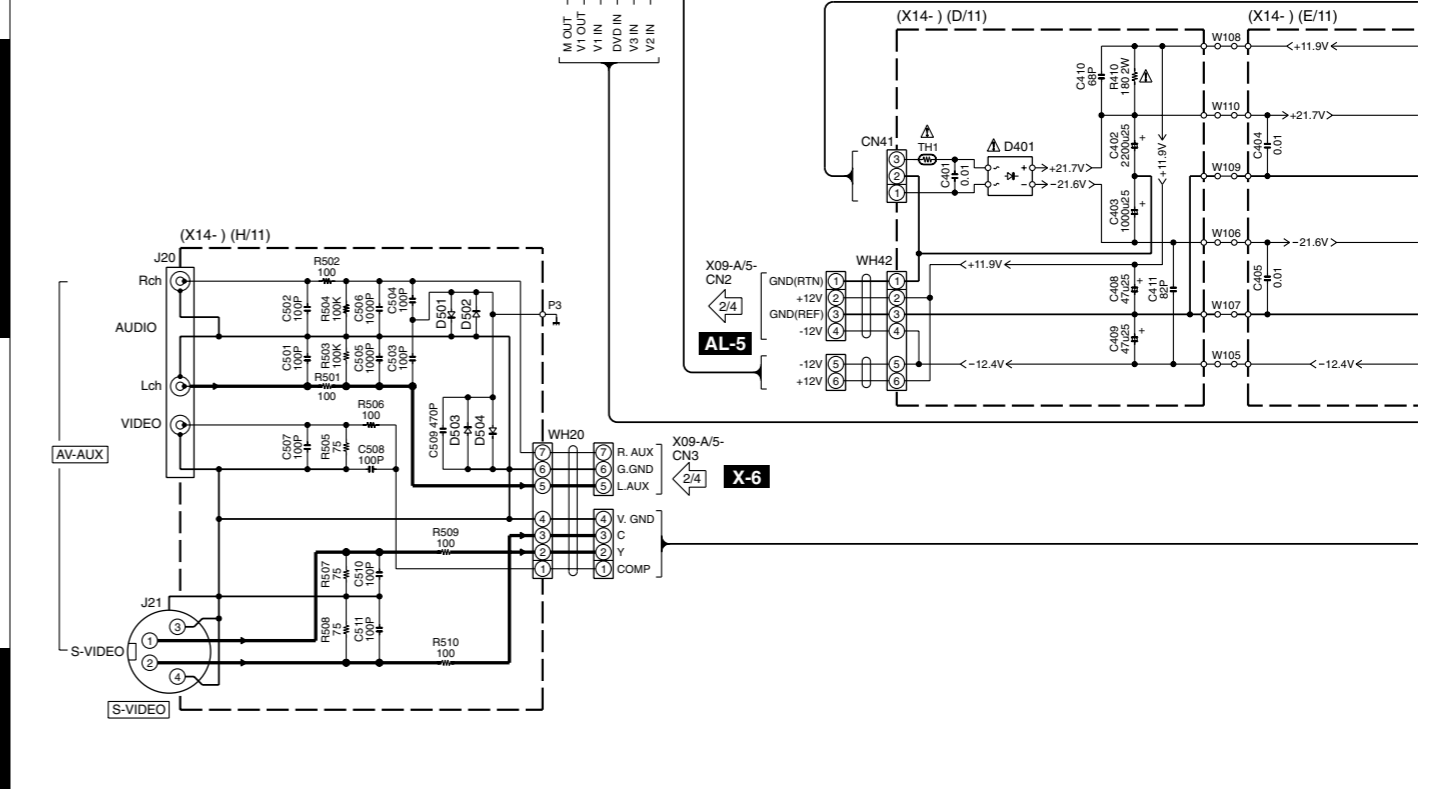
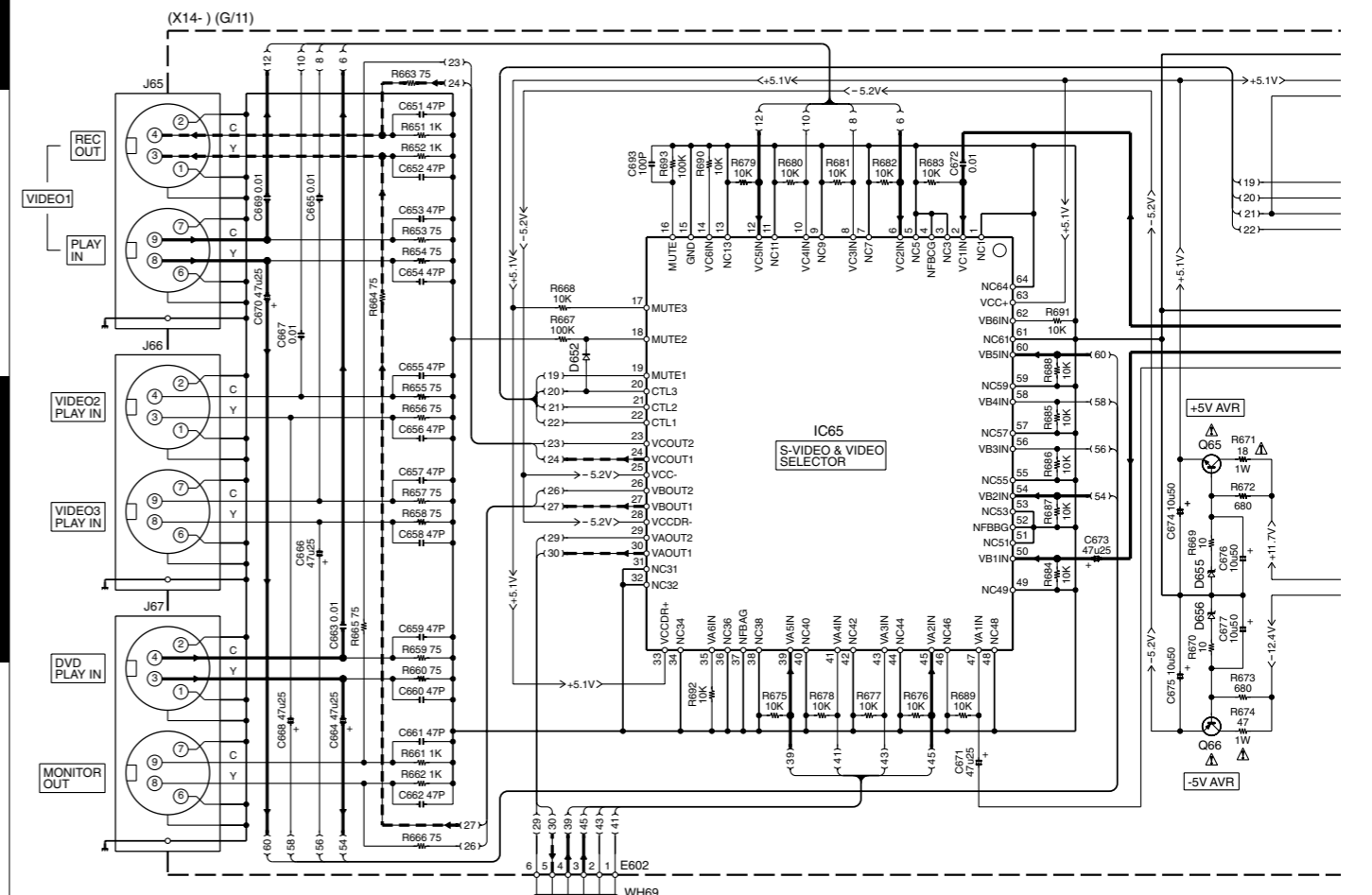
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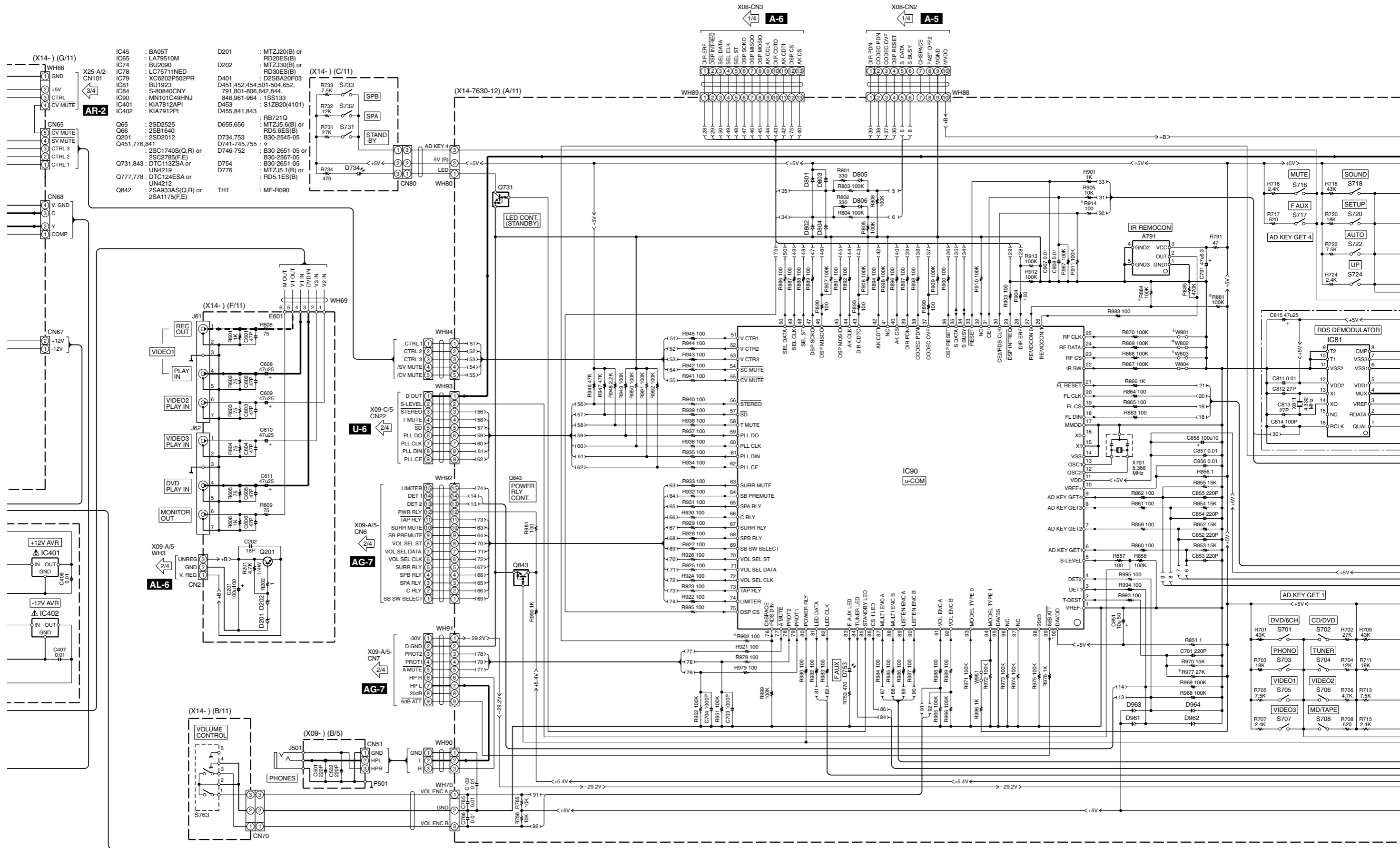
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- IC101 : NJM2584D
- IC102 : NJM2580D
- IC403 : NJM4580D-D
- IC404 : NJM4565D-D
- Q305,306,310,315,316,320 : 2SC2878(B)
- Q402 : KRA103 or DTA124ESA or UN4112
- D401 : MTZJ3.9(B) or RD3.9ES(B)

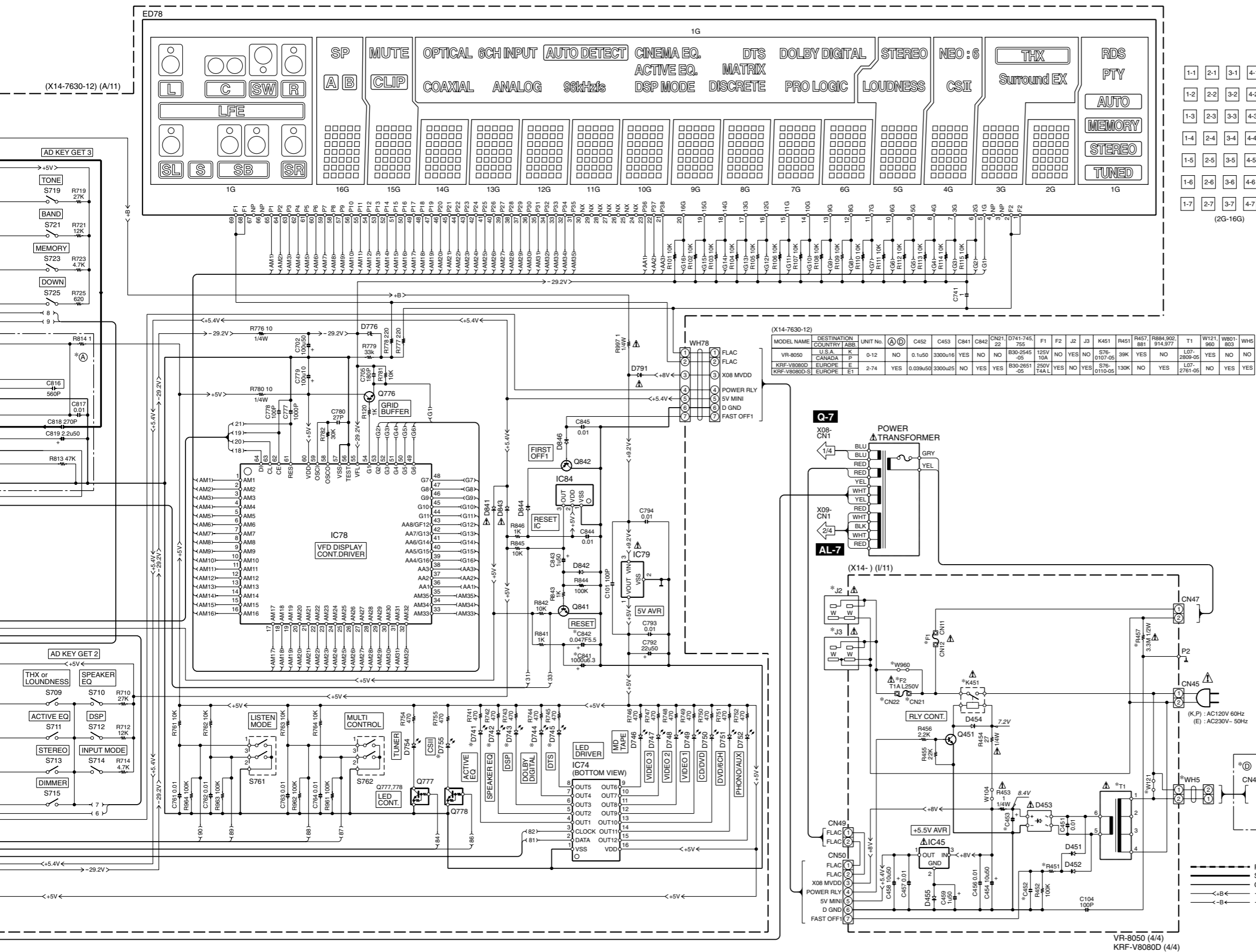


KRF-V8080D/V8080D-S/VR-8050





KRF-V8080D/V8080D-S/VR-8050

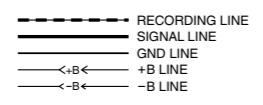


ANODE CONNECTION

	1G	2G	3G	4G	5G	6-14G	15G	16G
P1	1-1	1-1	1-1	1-1	1-1	1-1	1-1	1-1
P2	2-1	2-1	2-1	2-1	2-1	2-1	2-1	2-1
P3	3-1	3-1	3-1	3-1	3-1	3-1	3-1	3-1
P4	4-1	4-1	4-1	4-1	4-1	4-1	4-1	4-1
P5	5-1	5-1	5-1	5-1	5-1	5-1	5-1	5-1
P6	1-2	1-2	1-2	1-2	1-2	1-2	1-2	1-2
P7	2-2	2-2	2-2	2-2	2-2	2-2	2-2	2-2
P8	3-2	3-2	3-2	3-2	3-2	3-2	3-2	3-2
P9	4-2	4-2	4-2	4-2	4-2	4-2	4-2	4-2
P10	5-2	5-2	5-2	5-2	5-2	5-2	5-2	5-2
P11	1-3	1-3	1-3	1-3	1-3	1-3	1-3	1-3
P12	2-3	2-3	2-3	2-3	2-3	2-3	2-3	2-3
P13	3-3	3-3	3-3	3-3	3-3	3-3	3-3	3-3
P14	4-3	4-3	4-3	4-3	4-3	4-3	4-3	4-3
P15	5-3	5-3	5-3	5-3	5-3	5-3	5-3	5-3
P16	1-4	1-4	1-4	1-4	1-4	1-4	1-4	1-4
P17	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4
P18	3-4	3-4	3-4	3-4	3-4	3-4	3-4	3-4
P19	4-4	4-4	4-4	4-4	4-4	4-4	4-4	4-4
P20	5-4	5-4	5-4	5-4	5-4	5-4	5-4	5-4
P21	1-5	1-5	1-5	1-5	1-5	1-5	1-5	1-5
P22	2-5	2-5	2-5	2-5	2-5	2-5	2-5	2-5
P23	3-5	3-5	3-5	3-5	3-5	3-5	3-5	3-5
P24	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5
P25	5-5	5-5	5-5	5-5	5-5	5-5	5-5	5-5
P26	1-6	1-6	1-6	1-6	1-6	1-6	1-6	1-6
P27	2-6	2-6	2-6	2-6	2-6	2-6	2-6	2-6
P28	3-6	3-6	3-6	3-6	3-6	3-6	3-6	3-6
P29	4-6	4-6	4-6	4-6	4-6	4-6	4-6	4-6
P30	5-6	5-6	5-6	5-6	5-6	5-6	5-6	5-6
P31	1-7	1-7	1-7	1-7	1-7	1-7	1-7	1-7
P32	2-7	2-7	2-7	2-7	2-7	2-7	2-7	2-7
P33	3-7	3-7	3-7	3-7	3-7	3-7	3-7	3-7
P34	4-7	4-7	4-7	4-7	4-7	4-7	4-7	4-7
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P36								
P37								
P38								

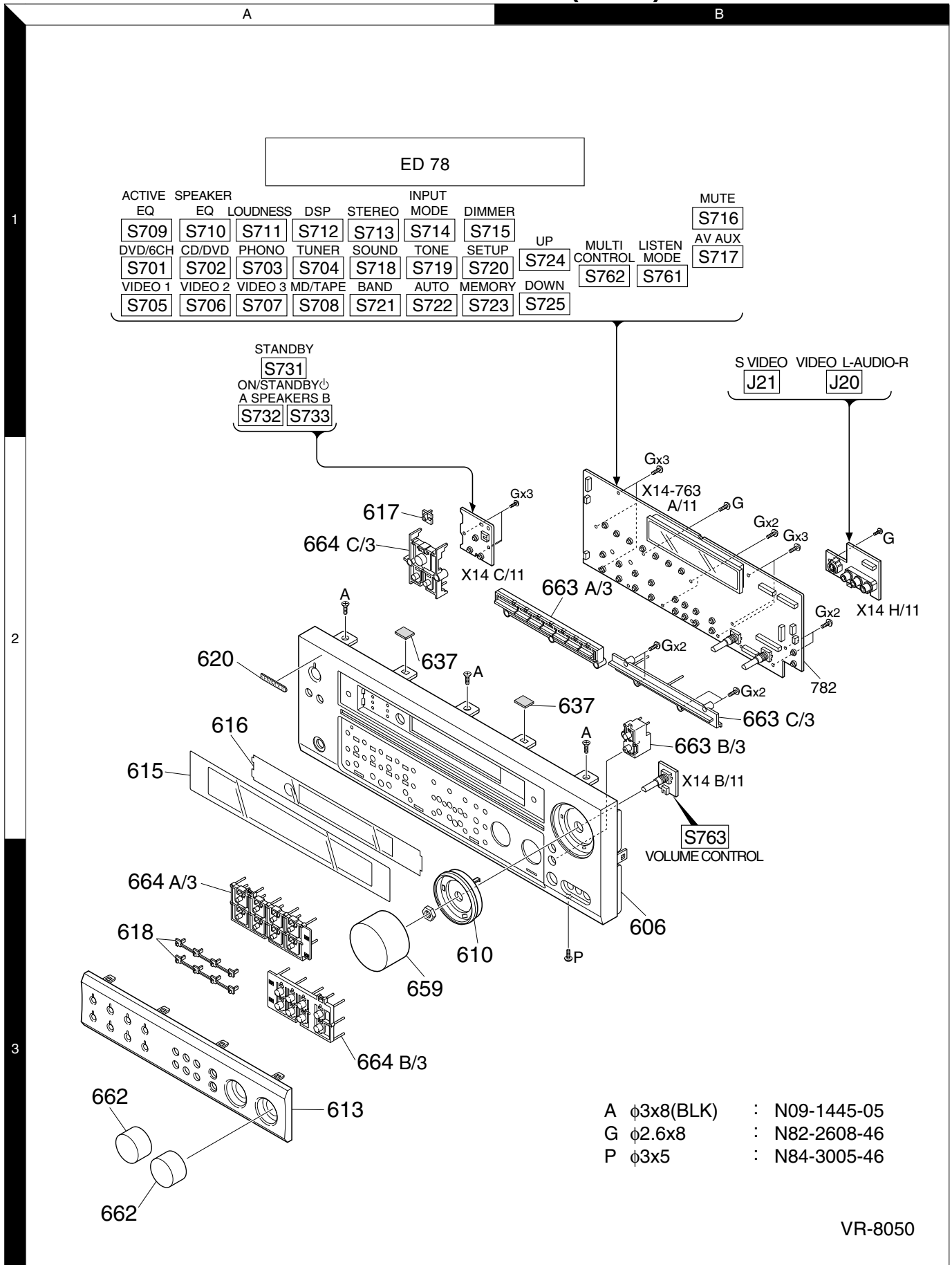
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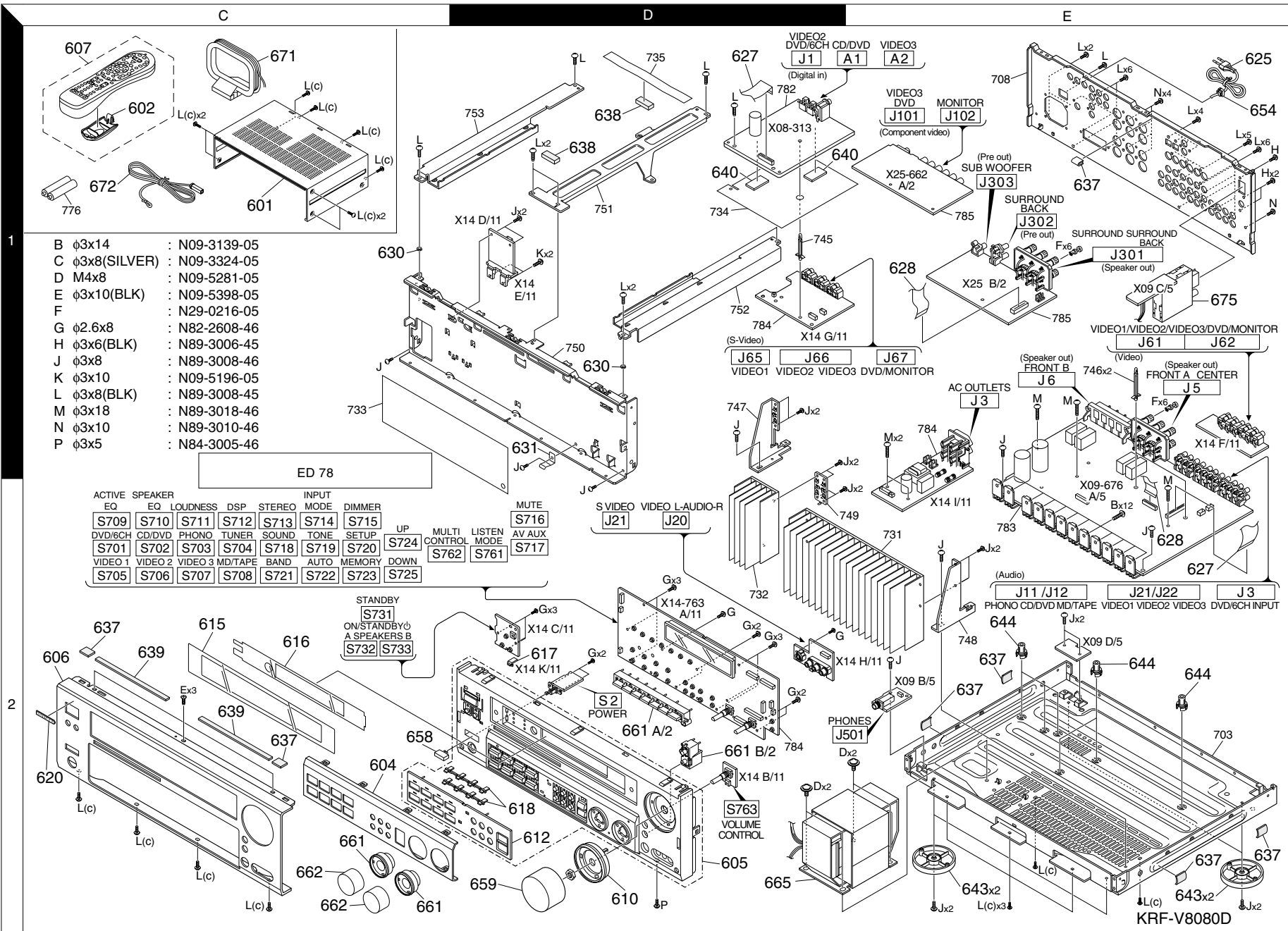


KRF-V8080D/V8080D-S/VR-8050

EXPLODED VIEW (UNIT)



Parts with exploded numbers larger than 700 are not supplied.



Parts with exploded numbers larger than 700 are not supplied.

* 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.

①

Ref. No	Address	New Parts	Parts No.	Description	Destination	Remarks
MISCELEOVNEOUS						
601	1C		A01-3840-01	METALLIC CABINET	KP	
601	1C		A01-3842-01	METALLIC CABINET	E	
601	1C		A01-3843-01	METALLIC CABINET	E1	
602	1C		A09-1274-08	BATTERY COVER		
604	2C		A21-3982-12	DRESSING PANEL	E	
604	2C		A21-3983-12	DRESSING PANEL	E1	
605	2D		A22-1873-01	SUB PANEL ASSY	E	
605	2D		A22-1874-01	SUB PANEL ASSY	E1	
606	2C		A60-2181-12	PANEL	E	
606	2C		A60-2182-12	PANEL	E1	
606	2A	*	A60-2377-01	PANEL	KP	
607	1C		A70-1622-05	REMOTE CONTROLLER ASSY	KP	
607	1C		A70-1623-05	REMOTE CONTROLLER ASSY	EE1	
-	-	*	B60-5458-00	INST. MANUAL (EN)	KP	
-	-	*	B60-5459-00	INST. MANUAL (FR)	P	
-	-	*	B60-5460-00	INST. MANUAL,EN,FR,GE,NE,IT,ES	EE1	
610	3A		B07-2606-03	ESCUTCHEON	KPE	
610	2D		B07-2607-03	ESCUTCHEON	E1	
611	2C		B07-2608-03	ESCUTCHEON	E	
611	2C		B07-2609-03	ESCUTCHEON	E1	
612	2D		B07-2619-13	ESCUTCHEON	E	
612	2D		B07-2620-13	ESCUTCHEON	E1	
613	3A	*	B07-2689-01	ESCUTCHEON	KP	
615	2A	*	B10-5507-02	FRONT GLASS	KP	
615	2C	*	B10-5511-02	FRONT GLASS	E	
615	2C	*	B10-5512-02	FRONT GLASS	E1	
616	2A,2C	*	B11-1598-03	COLOR FILTER		
617	2D		B12-0440-04	INDICATOR	EE1	
617	2A	*	B12-0484-14	INDICATOR	KP	
618	2D		B12-0442-04	INDICATOR	EE1	
618	3A	*	B12-0486-03	INDICATOR	KP	
620	2A,2C	*	B43-0336-04	BADGE		
△ 625	1E		E30-2941-05	AC POWER CORD	KP	
△ 625	1E		E30-2942-05	AC POWER CORD	EE1	
627	1D,2E		E35-3216-05	FLAT CABLE (21P 180)		
628	1E,2E	*	E35-3675-05	FLAT CABLE (19P 225)		
630	1C,1D	*	F29-0134-04	INSULATING WASHER		
631	1D		G02-1748-04	FLAT SPRING	EE1	
637	2A,2E		G11-2885-04	CUSHION		
638	1D		G11-2886-04	CUSHION		
639	2C		G11-2887-04	CUSHION	EE1	
640	1D	*	G11-2916-04	CUSHION		
-	-		H10-7888-02	POLYSTYRENE FOAMED FIXTURE (R)		
-	-		H10-7890-02	POLYSTYRENE FOAMED FIXTURE (L)		
-	-		H25-0232-04	PROTECTION BAG (235X350X0.03)		
-	-		H25-0391-04	PROTECTION BAG		
-	-	*	H50-4909-14	ITEM CARTON CASE	KP	
-	-	*	H50-4910-14	ITEM CARTON CASE	E	
-	-	*	H50-4911-14	ITEM CARTON CASE	E1	
643	2E		J02-1532-03	FOOT		
644	2E		J19-3751-04	UNIT HOLDER		

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654	1E		J42-0349-05	POWER CORD BUSHING		
658	2C		K27-2384-04	KNOB (BUTTON)	E	
658	2C		K27-2481-04	KNOB (BUTTON)	E1	
659	3A		K29-8103-04	KNOB	KP	
659	2D		K29-8268-04	KNOB	E1	
659	2D		K29-8269-04	KNOB	E	
661	2D		K29-8136-03	KNOB ASSY	E	
661	2D		K29-8137-03	KNOB ASSY	E1	
662	2C		K29-8271-04	KNOB	E	
662	2C		K29-8272-04	KNOB	E1	
662	3A	*	K29-8352-14	KNOB	KP	
663	2B	*	K29-8358-13	KNOB ASSY	KP	
664	2A,3A	*	K29-8364-11	KNOB	KP	
△ 665	2D		L07-3138-05	POWER TRANSFORMER	KP	
△ 665	2D		L07-3252-05	POWER TRANSFORMER	EE1	
670	1C		T90-0877-05	LEAD WIRE ANTENNA	EE1	
670	1C		T90-0905-05	LEAD WIRE ANTENNA	KP	
671	1C		T90-0893-05	LOOP ANTENNA		
675	1E		W02-2974-15	TUNER ASSY	KP	
675	1E		W02-2976-05	TUNER ASSY	EE1	
SURROUND (X08-3310-10)						
C1 ,2			CK73GB1H472K	CHIP C	4700PF	K
C3 ,4			CC73GCH1H220J	CHIP C	22PF	J
C5 ,6			CE04KW1E470M	ELECTRO	47UF	25WV
C8 ,9			CC73GCH1H221J	CHIP C	220PF	J
C11			CK73GB1C104K	CHIP C	0.10UF	K
C12			CK73GB1A474K	CHIP C	0.47UF	K
C13 ,14			CK73GB1C104K	CHIP C	0.10UF	K
C15			CK73GB1H102K	CHIP C	1000PF	K
C16			CK73GB1H103K	CHIP C	0.010UF	K
C41			CK73GB1C104K	CHIP C	0.10UF	K
C42			CK73GB1H103K	CHIP C	0.010UF	K
C43			CE04KW1H2R2M	ELECTRO	2.2UF	50WV
C44 ,45			CK73GB1C104K	CHIP C	0.10UF	K
C46			CE04KW1E470M	ELECTRO	47UF	25WV
C47 ,48			CE04KW1H4R7M	ELECTRO	4.7UF	50WV
C49			CE04KW1H100M	ELECTRO	10UF	50WV
C50 ,51			CK73GB1H103K	CHIP C	0.010UF	K
C57 ,58			CC73GSL1H471J	CHIP C	470PF	J
C61 ,62			CC73GCH1H080D	CHIP C	8.0PF	D
C63			CK73GB1H102K	CHIP C	1000PF	K
C64			CK73GB1H103K	CHIP C	0.010UF	K
C65			CE04KW1E470M	ELECTRO	47UF	25WV
C66			CC73GCH1H220J	CHIP C	22PF	J
C79			CK73FB1H103K	CHIP C	0.010UF	K
C80			CK73FB1E104K	CHIP C	0.10UF	K
C81			CK73GB1C104K	CHIP C	0.10UF	K
C82			CE04KW1H100M	ELECTRO	10UF	50WV
C83 ,84			CK73GB1C104K	CHIP C	0.10UF	K
C85			CE04KW1H100M	ELECTRO	10UF	50WV
C88			CE04KW1H100M	ELECTRO	10UF	50WV
C89			CK73FB1E104K	CHIP C	0.10UF	K

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③

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C90			CK73GB1C104K	CHIP C 0.10UF K		
C91			CE04KW1H100M	ELECTRO 10UF 50WV		
C92			CK73FB1E104K	CHIP C 0.10UF K		
C93			CK73GB1C104K	CHIP C 0.10UF K		
C94			CE04KW1H100M	ELECTRO 10UF 50WV		
C95			CK73FB1C105K	CHIP C 1.0UF K		
C96			CK73GB1C104K	CHIP C 0.10UF K		
C97			CE04KW1A101M	ELECTRO 100UF 10WV		
C98			CK73FB1E104K	CHIP C 0.10UF K		
C99			CK73FB1H103K	CHIP C 0.010UF K		
C100			CE04KW1C472M	ELECTRO 4700UF 16WV		
C101,102			CE04KW1H100M	ELECTRO 10UF 50WV		
C103-106			CK73GB1H182K	CHIP C 1800PF K		
C109			CC73GCH1H101J	CHIP C 100PF J		
C110			CK73GB1H103K	CHIP C 0.010UF K		
C121,122			CE04KW1H100M	ELECTRO 10UF 50WV		
C123,124			CK73GB1H222K	CHIP C 2200PF K		
C125,126			CK73GB1H821K	CHIP C 820PF K		
C129			CC73GCH1H101J	CHIP C 100PF J		
C130			CK73GB1H103K	CHIP C 0.010UF K		
C141,142			CE04KW1H100M	ELECTRO 10UF 50WV		
C143-146			CK73GB1H182K	CHIP C 1800PF K		
C149			CC73GCH1H101J	CHIP C 100PF J		
C150			CK73GB1H103K	CHIP C 0.010UF K		
C161,162			CE04KW1H100M	ELECTRO 10UF 50WV		
C163			CK73GB1H182K	CHIP C 1800PF K		
C164			CK73GB1H822K	CHIP C 8200PF K		
C165			CK73GB1H182K	CHIP C 1800PF K		
C166			CK73GB1H822K	CHIP C 8200PF K		
C169			CC73GCH1H101J	CHIP C 100PF J		
C170			CK73GB1H103K	CHIP C 0.010UF K		
C181,182			CC73GCH1H220J	CHIP C 22PF J		
C189			CC73GCH1H101J	CHIP C 100PF J		
C190			CK73GB1H103K	CHIP C 0.010UF K		
C191-196			CE04KW1H4R7M	ELECTRO 4.7UF 50WV		
C197			CC73GCH1H102J	CHIP C 1000PF J		
C198			CC73GCH1H101J	CHIP C 100PF J		
C261,262			CE04KW1H100M	ELECTRO 10UF 50WV		
C263,264			CC73GCH1H220J	CHIP C 22PF J		
C265,266			CE04KW1H4R7M	ELECTRO 4.7UF 50WV		
C267			CC73GCH1H101J	CHIP C 100PF J		
C268			CK73GB1H103K	CHIP C 0.010UF K		
C501-528			CK73GB1H103K	CHIP C 0.010UF K		
C529			CE04KW1H100M	ELECTRO 10UF 50WV		
C530-543			CK73GB1H103K	CHIP C 0.010UF K		
C544,545			CK73GB1C104K	CHIP C 0.10UF K		
C546-553			CK73GB1H103K	CHIP C 0.010UF K		
C554			CK73GB1C104K	CHIP C 0.10UF K		
C555			CK73GB1H103K	CHIP C 0.010UF K		
C556-558			CK73GB1H102K	CHIP C 1000PF K		
C560			CK73GB1H103K	CHIP C 0.010UF K		
C561,562			CC73GCH1H101J	CHIP C 100PF J		
C563-565			CK73GB1H103K	CHIP C 0.010UF K		
C567-570			CK73GB1H103K	CHIP C 0.010UF K		
C571,572			CC73GCH1H150J	CHIP C 15PF J		

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C573			CK73GB1H102K	CHIP C 1000PF K		
C574			CK73GB1H103K	CHIP C 0.010UF K		
CN1			E40-3246-05	PIN ASSY		
CN2			E40-3254-05	PIN ASSY		
CN3			E40-3257-05	PIN ASSY		
CN4			E40-8484-05	FLAT CABLE CONNECTOR		
CN5			E40-3247-05	PIN ASSY		
J1			E63-1080-05	PIN JACK		
L1 ,2			L92-0510-05	CHIP FERRITE		
L3 -5		*	L92-0578-05	CHIP FERRITE		
X6		*	L77-2419-05	CRYSTAL RESONATOR(24.576MHZ)		
X51		*	L77-2420-05	CRYSTAL RESONATOR(18.75MHZ)		
CP51-66			R90-1033-05	MULTI-COMP 22 X4		
CP71-75			R90-0728-05	MULTI-COMP 180 X4		
R1 ,2			RK73GB1J101J	CHIP R 100 J 1/16W		
R3			R92-1946-05	METAL GLAZE 4.7 J 1/4W		
R6			R92-1946-05	METAL GLAZE 4.7 J 1/4W		
R7 ,8			RK73GB1J750J	CHIP R 75 J 1/16W		
R11 ,12			RK73GB1J101J	CHIP R 100 J 1/16W		
R21			RK73GB1J183J	CHIP R 18K J 1/16W		
R23			RK73GB1J330J	CHIP R 33 J 1/16W		
R24 -26			RK73GB1J101J	CHIP R 100 J 1/16W		
R27			RK73GB1J104J	CHIP R 100K J 1/16W		
R30			RK73GB1J330J	CHIP R 33 J 1/16W		
R31			RK73GB1J101J	CHIP R 100 J 1/16W		
R32			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R33			RK73GB1J181J	CHIP R 180 J 1/16W		
R41			RK73GB1J330J	CHIP R 33 J 1/16W		
R42			RK73GB1J104J	CHIP R 100K J 1/16W		
R43			RK73GB1J101J	CHIP R 100 J 1/16W		
R44 -49			RK73GB1J100J	CHIP R 10 J 1/16W		
R50			RK73GB1J181J	CHIP R 180 J 1/16W		
R51			RK73GB1J100J	CHIP R 10 J 1/16W		
R52			R92-1946-05	METAL GLAZE 4.7 J 1/4W		
R55 ,56			RK73GB1J471J	CHIP R 470 J 1/16W		
R61 ,62			RK73GB1J105J	CHIP R 1.0M J 1/16W		
R63			RK73GB1J221J	CHIP R 220 J 1/16W		
R64			RK73FB2A2R2J	CHIP R 2.2 J 1/10W		
R65			RK73GB1J330J	CHIP R 33 J 1/16W		
R81			R92-1960-05	METAL GLAZE 2.2 J 1/4W		
R82 ,83			R92-1918-05	CHIP R 0.33 J 1/4W		
R84			RS14KB3D680J	FL-PROOF RS 68 J 2W		
R85			RS14KB3D560J	FL-PROOF RS 56 J 2W		
R86			RS14KB3D3R9J	FL-PROOF RS 3.9 J 2W		EE1
R86 ,87			RS14KB3D3R3J	FL-PROOF RS 3.3 J 2W		KP
R87			RS14KB3D3R3J	FL-PROOF RS 3.3 J 2W		EE1
R88			RS14KB3D2R2J	FL-PROOF RS 2.2 J 2W		
R89			RK73GB1J202J	CHIP R 2.0K J 1/16W		
R90 ,91			RK73GB1J103J	CHIP R 10K J 1/16W		
R92			RK73GB1J152J	CHIP R 1.5K J 1/16W		
R93			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R94			RK73GB1J472J	CHIP R 4.7K J 1/16W		
R95			RK73GB1J473J	CHIP R 47K J 1/16W		

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R96 ,97			RK73GB1J221J	CHIP R	220	J 1/16W
R98			R92-1918-05	CHIP R	0.33	J 1/4W
R101,102			RK73GB1J104J	CHIP R	100K	J 1/16W
R103,104			RK73GB1J222J	CHIP R	2.2K	J 1/16W
R105,106			RK73GB1J102J	CHIP R	1.0K	J 1/16W
R107,108			RK73GB1J103J	CHIP R	10K	J 1/16W
R109,110			RK73GB1J472J	CHIP R	4.7K	J 1/16W
R111,112			RK73GB1J221J	CHIP R	220	J 1/16W
R121,122			RK73GB1J104J	CHIP R	100K	J 1/16W
R123,124			RK73GB1J332J	CHIP R	3.3K	J 1/16W
R125,126			RK73GB1J911J	CHIP R	910	J 1/16W
R127,128			RK73GB1J272J	CHIP R	2.7K	J 1/16W
R129,130			RK73GB1J562J	CHIP R	5.6K	J 1/16W
R131,132			RK73GB1J221J	CHIP R	220	J 1/16W
R141,142			RK73GB1J104J	CHIP R	100K	J 1/16W
R143,144			RK73GB1J222J	CHIP R	2.2K	J 1/16W
R145,146			RK73GB1J102J	CHIP R	1.0K	J 1/16W
R147,148			RK73GB1J103J	CHIP R	10K	J 1/16W
R149,150			RK73GB1J472J	CHIP R	4.7K	J 1/16W
R151,152			RK73GB1J221J	CHIP R	220	J 1/16W
R161,162			RK73GB1J104J	CHIP R	100K	J 1/16W
R163			RK73GB1J222J	CHIP R	2.2K	J 1/16W
R164			RK73GB1J273J	CHIP R	27K	J 1/16W
R165			RK73GB1J102J	CHIP R	1.0K	J 1/16W
R166			RK73GB1J183J	CHIP R	18K	J 1/16W
R167,168			RK73GB1J103J	CHIP R	10K	J 1/16W
R169			RK73GB1J472J	CHIP R	4.7K	J 1/16W
R170			RK73GB1J912J	CHIP R	9.1K	J 1/16W
R171,172			RK73GB1J221J	CHIP R	220	J 1/16W
R181,182			RK73GB1J102J	CHIP R	1.0K	J 1/16W
R185-188			RK73GB1J562J	CHIP R	5.6K	J 1/16W
R189,190			RK73GB1J101J	CHIP R	100	J 1/16W
R201-208			RK73GB1J104J	CHIP R	100K	J 1/16W
R209-212			RK73GB1J472J	CHIP R	4.7K	J 1/16W
R213,214			RK73GB1J432J	CHIP R	4.3K	J 1/16W
R215,216			RK73GB1J562J	CHIP R	5.6K	J 1/16W
R217,218			RK73GB1J472J	CHIP R	4.7K	J 1/16W
R219,220			RK73GB1J562J	CHIP R	5.6K	J 1/16W
R261-264			RK73GB1J562J	CHIP R	5.6K	J 1/16W
R265,266			RK73GB1J101J	CHIP R	100	J 1/16W
R501,502			RK73GB1J330J	CHIP R	33	J 1/16W
R503-506			RK73GB1J104J	CHIP R	100K	J 1/16W
R507-509			RK73GB1J330J	CHIP R	33	J 1/16W
R510			RK73GB1J104J	CHIP R	100K	J 1/16W
R511,512			RK73GB1J330J	CHIP R	33	J 1/16W
R513-515			RK73GB1J104J	CHIP R	100K	J 1/16W
R516			RK73GB1J101J	CHIP R	100	J 1/16W
R517			RK73GB1J220J	CHIP R	22	J 1/16W
R518			RK73FB2A100J	CHIP R	10	J 1/10W
R521			RK73GB1J472J	CHIP R	4.7K	J 1/16W
R523,524			RK73GB1J472J	CHIP R	4.7K	J 1/16W
R525,526			RK73GB1J220J	CHIP R	22	J 1/16W
R527			RK73GB1J101J	CHIP R	100	J 1/16W
R528-530			RK73GB1J472J	CHIP R	4.7K	J 1/16W
R532-534			RK73GB1J472J	CHIP R	4.7K	J 1/16W

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R536			RK73GB1J103J	CHIP R	10K	J 1/16W
R537-540			RK73GB1J472J	CHIP R	4.7K	J 1/16W
R541-550			RK73GB1J100J	CHIP R	10	J 1/16W
R551			RK73GB1J104J	CHIP R	100K	J 1/16W
R552			RK73GB1J102J	CHIP R	1.0K	J 1/16W
R553,554			RK73GB1J100J	CHIP R	10	J 1/16W
R560-567			RK73GB1J472J	CHIP R	4.7K	J 1/16W
R571			RK73GB1J105J	CHIP R	1.0M	J 1/16W
R572			RK73GB1J101J	CHIP R	100	J 1/16W
R573			RK73GB1J105J	CHIP R	1.0M	J 1/16W
Δ D1			D2SBA20F03	DIODE		
Δ D2 -3			MA111	DIODE		
D4			MA111	DIODE		
D5			UDZ5.6B	ZENER DIODE		
D6 ,7			UDZ3.9B	ZENER DIODE		
Δ D8			1SR154-400	DIODE		
D9			UDZ3.9B	ZENER DIODE		
D10			UDZ5.1B	ZENER DIODE		
D11 ,12			DAN202U	DIODE		
D13 -16			MA111	DIODE		
Δ D17			1SR154-400	DIODE		
D41			DAP202U	DIODE		
D42			DAN202U	DIODE		
D51			MA111	DIODE		
IC1		*	AK4114VQ	MOS-IC		
IC2		*	AK4529-VQ	MOS-IC		
IC2		*	AK4628-VQ	MOS-IC		
IC2		*	AK4628A-VQ	MOS-IC		
IC6			TC7WU04FU	MOS-IC		
IC10			NJM4565M	ANALOGUE IC		
IC10			NJM4565MD	ANALOGUE IC		
IC12			NJM4565M	ANALOGUE IC		
IC12			NJM4565MD	ANALOGUE IC		
IC14			NJM4565M	ANALOGUE IC		
IC14			NJM4565MD	ANALOGUE IC		
IC16			NJM4565M	ANALOGUE IC		
IC16			NJM4565MD	ANALOGUE IC		
IC18,19			NJM4565M	ANALOGUE IC		
IC18,19			NJM4565MD	ANALOGUE IC		
IC20			NJU7311AM	MOS-IC		
Δ IC21,22			BA033T	ANALOGUE IC		
Δ IC23			BA05T	ANALOGUE IC		
Δ IC24			XC6201P332PR	ANALOGUE IC		
Δ IC26			SI-3010KM	ANALOGUE IC		
IC50		*	ADSST-AVR-1050	MOS-IC		
IC51-53		*	SN74LVC573APWR	MOS-IC		
IC51-53		*	TC74LCX573FT	MOS-IC		
IC54		*	SN74LVC245APWR	MOS-IC		
IC54		*	TC74LCX245FT	MOS-IC		
IC55		*	SN74LVC2G125T3	MOS-IC		
IC56		*	SN74LVC139APWR	MOS-IC		
IC57		*	SN74LVC1G08DC3	MOS-IC		
IC57		*	TC7SA08FU	MOS-IC		
IC58		*	SN74LVC1G32DC3	MOS-IC		
IC59		*	A29L800TV70KB0	ROM IC		

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KRF-V8080D/V8080D-S/MR-8050
PARTS LIST

* New Parts

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Ref. No	Address	New Parts	Parts No.	Description	Destination	Remarks
IC60		*	K6R4008V1DUC10	SRAM IC		
IC61			TC74VHC125FT	MOS-IC		
IC62			TC74HCT7007AF	MOS-IC		
IC63		*	SN74LVC1G32DC3	MOS-IC		
Q1			2SB1218A(Q,R)	TRANSISTOR		
Q2			2SD1819A(Q,R)	TRANSISTOR		
Q51			2SC4081(R,S)	TRANSISTOR		
A1 ,2		*	W02-4524-05	OPTIC RECEIVING MODULE		
AUDIO (X09-6760-12)						
C1 ,2			CC45FSL1H221J	CERAMIC	220PF	J
C3 ,4			CE04LW1H100M	ELECTRO	10UF	50WV
C5 ,6			CC45FSL1H221J	CERAMIC	220PF	J
C7 ,8			CE04LW1A101M	ELECTRO	100UF	10WV
C9 ,10			CC45FSL1H271J	CERAMIC	270PF	J
C11 ,12			CQ93FMG1H123J	MYLAR	0.012UF	J
C13 ,14			CK45FB1H332K	CERAMIC	3300PF	K
C15 ,16			CE04LW1H4R7M	ELECTRO	4.7UF	50WV
C17 ,18			CC45FCH1H101J	CERAMIC	100PF	J
C19 -38			CC45FSL1H221J	CERAMIC	220PF	J
C44 ,45			CE04LW1E470M	ELECTRO	47UF	25WV
C46 ,47			CQ93FMG1H823J	MYLAR	0.082UF	J
C51 -54			C91-1573-05	MP-C	0.10UF	J
C55 ,56			CQ93FMG1H272J	MYLAR	2700PF	J
C57 ,58			CE04LW1H2R2M	ELECTRO	2.2UF	50WV
C62 -65			CE04KW1H3R3M	ELECTRO	3.3UF	50WV
C66 ,67			CC45FSL1H331J	CERAMIC	330PF	J
C68			CC45FCH1H070D	CERAMIC	7.0PF	D
C69			CC45FCH1H080D	CERAMIC	8.0PF	D
C70 ,71			CK45FB1H222K	CERAMIC	2200PF	K
C72 ,73			CC45FCH1H101J	CERAMIC	100PF	J
C74 ,75			CE04KW1E101M	ELECTRO	100UF	25WV
C76 ,77			CC45FCH1H100D	CERAMIC	10PF	D
C78 ,79			CK45FB1H561K	CERAMIC	560PF	K
C82 ,83			CC45FCH1H100D	CERAMIC	10PF	D
C84 ,85			CE04KW1H220M	ELECTRO	22UF	50WV
C86 ,87			CC45FSL1H470J	CERAMIC	47PF	J
C88 ,89			CC45FSL2H470J	CERAMIC	47PF	J
C90 -93			C91-1577-05	MP-C	0.22UF	J
C90 ,91			C91-1573-05	MP-C	0.10UF	J
C94 ,95			CK45FB1H332K	CERAMIC	3300PF	K
C111 ,112			CE04KW1H3R3M	ELECTRO	3.3UF	50WV
C113 ,114			CE04LW1H3R3M	ELECTRO	3.3UF	50WV
C115 ,116			CC45FSL1H331J	CERAMIC	330PF	J
C117 ,118			CC45FCH1H050C	CERAMIC	5.0PF	C
C119 ,120			CK45FB1H222K	CERAMIC	2200PF	K
C121 ,122			CC45FCH1H101J	CERAMIC	100PF	J
C123 ,124			CE04KW1A221M	ELECTRO	220UF	10WV
C125 ,126			CC45FCH1H100D	CERAMIC	10PF	D
C127 ,128			CK45FB1H561K	CERAMIC	560PF	K
C133 ,134			CE04LW1H220M	ELECTRO	22UF	50WV
C135 ,136			CC45FSL1H470J	CERAMIC	47PF	J
C137 ,138			CC45FSL2H470J	CERAMIC	47PF	J
C139 -142			C91-1577-05	MP-C	0.22UF	J
C139 ,140			C91-1573-05	MP-C	0.10UF	J

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C161			CE04KW1H3R3M	ELECTRO	3.3UF	50WV
C163			CE04KW1H3R3M	ELECTRO	3.3UF	50WV
C164			CE04LW1H3R3M	ELECTRO	3.3UF	50WV
C165 ,166			CC45FSL1H331J	CERAMIC	330PF	J
C167			CC45FCH1H060D	CERAMIC	6.0PF	D
C168			CC45FSL1H270J	CERAMIC	27PF	J
C169 ,170			CK45FB1H222K	CERAMIC	2200PF	K
C171 ,172			CC45FCH1H101J	CERAMIC	100PF	J
C173			CE04KW1E101M	ELECTRO	100UF	25WV
C174			CE04KW1A221M	ELECTRO	220UF	10WV
C175 ,176			CC45FCH1H100D	CERAMIC	10PF	D
C177 ,178			CK45FB1H561K	CERAMIC	560PF	K
C181			CC45FCH1H100D	CERAMIC	10PF	D
C183			CE04KW1H220M	ELECTRO	22UF	50WV
C184			CE04LW1H220M	ELECTRO	22UF	50WV
C185			CC45FSL1H470J	CERAMIC	47PF	J
C186			CC45FSL1H101J	CERAMIC	100PF	J
C187 ,188			CC45FSL2H470J	CERAMIC	47PF	J
C189-192			C91-1577-05	MP-C	0.22UF	J
C189 ,190			C91-1573-05	MP-C	0.10UF	J
C193			CK45FB1H332K	CERAMIC	3300PF	K
C195 ,196			CK45FB1H332K	CERAMIC	3300PF	K
C227 ,228			CE04LW1H220M	ELECTRO	22UF	50WV
C301 ,302			C90-5772-05	ELECTRO	4700UF	75WV
C301 ,302		*	C90-5775-05	ELECTRO	4700UF	75WV
C303			CQ93FMG1H103J	MYLAR	0.010UF	J
C304			CE04LW1A221M	ELECTRO	220UF	10WV
C305			CE04KW1H101M	ELECTRO	100UF	50WV
C305			CE04KW1J101M	ELECTRO	100UF	63WV
C306			CE04LW2A101M	ELECTRO	100UF	100WV
C307			CC45FSL1H221J	CERAMIC	220PF	J
C308			CE04LW1H100M	ELECTRO	10UF	50WV
C309			CE04LW1H220M	ELECTRO	22UF	50WV
C310 ,311			CE04KW1H220M	ELECTRO	22UF	50WV
C312			CE04LW1A101M	ELECTRO	100UF	10WV
C313 ,314			CE04LW1E470M	ELECTRO	47UF	25WV
C315			CE04LW2A330M	ELECTRO	33UF	100WV
C316			CE04LW2A100M	ELECTRO	10UF	100WV
C317 ,318			CE04KW2A220M	ELECTRO	22UF	100WV
C319 ,320			CC45FCH1H101J	CERAMIC	100PF	J
C321			CC45FCH1H100D	CERAMIC	10PF	D
C322			CC45FCH1H150J	CERAMIC	15PF	J
C323			CK45FB1H102K	CERAMIC	1000PF	K
C324 ,325			CE04DW1C471M	ELECTRO	470UF	16WV
C351-353			CC45FSL1H221J	CERAMIC	220PF	J
C354			CQ93FMG1H122J	MYLAR	1200PF	J
C355-360			CK45FF1H472Z	CERAMIC	4700PF	Z
C361			CE04KW1H220M	ELECTRO	22UF	50WV
C362 ,363			CE04LW1H220M	ELECTRO	22UF	50WV
C364			CE04HW1H2R2M	NP-ELEC	2.2UF	50WV
C365			CE04KW1A221M	ELECTRO	220UF	10WV
C366			CE04LW1H4R7M	ELECTRO	4.7UF	50WV
C367			CE04KW1A221M	ELECTRO	220UF	10WV
C368			CE04LW1H4R7M	ELECTRO	4.7UF	50WV
C369			CE04HW1C330M	NP-ELEC	33UF	16WV

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C370			CK45FB1H102K	CERAMIC 1000PF K		
C450			CK45FE2H103P	CERAMIC 0.010UF P		
C451-453			CK45FB2H102K	CERAMIC 1000PF K		
C501,502			CC45FSL1H221J	CERAMIC 220PF J		
C600			CE04KW1E101M	ELECTRO 100UF 25WV		
C611			CE04KW1H220M	ELECTRO 22UF 50WV		
CN1		*	E40-3912-05	PIN ASSY		
CN1			E40-8361-05	PIN ASSY		
CN2			E40-3248-05	PIN ASSY		
CN3			E40-3247-05	PIN ASSY		
CN4			E40-8484-05	FLAT CABLE CONNECTOR		
CN5			E40-8483-05	FLAT CABLE CONNECTOR		
CN6			E40-3259-05	PIN ASSY		
CN7			E40-3253-05	PIN ASSY		
CN10-15			E40-4871-05	PIN ASSY		
CN21			E40-8429-05	SOCKET FOR PIN ASSY		
CN22			E40-3253-05	PIN ASSY		
CN51			E40-3247-05	PIN ASSY		
J3			E63-1247-05	PIN JACK		
J5			E70-0150-05	SCREW TERMINAL BOARD		
J6			E70-0160-05	LOCK TERMINAL BOARD		
J11 ,12			E63-1317-05	PIN JACK		
J21 ,22			E63-1317-05	PIN JACK		
J501			E11-0190-05	PHONE JACK (3P)		
J501			E11-0271-05	PHONE JACK (METAL SLEEVE)		
L1 -6			L39-0085-05	PHASE COMPENSATION COIL		
R81 -84			RD14NB2E221J	RD 220 J 1/4W		
R85 ,86			RD14NB2E562J	RD 5.6K J 1/4W		
R87 ,88			RD14NB2E331J	RD 330 J 1/4W		
R93 -96			RD14NB2E470J	RD 47 J 1/4W		
R97 ,98			RD14NB2E221J	RD 220 J 1/4W		
R99 ,100			RD14NB2E330J	RD 33 J 1/4W		
R101 ,102			RS14KB3D4R7J	FL-PROOF RS 4.7 J 2W		
R103,104			RS14KB3D391J	FL-PROOF RS 390 J 2W		
R131-134			RD14NB2E221J	RD 220 J 1/4W		
R135,136			RD14NB2E562J	RD 5.6K J 1/4W		
R137,138			RD14NB2E331J	RD 330 J 1/4W		
R143-146			RD14NB2E470J	RD 47 J 1/4W		
R147,148			RD14NB2E221J	RD 220 J 1/4W		
R149,150			RD14NB2E330J	RD 33 J 1/4W		
R151,152			RS14KB3D4R7J	FL-PROOF RS 4.7 J 2W		
R181-184			RD14NB2E221J	RD 220 J 1/4W		
R185,186			RD14NB2E562J	RD 5.6K J 1/4W		
R187,188			RD14NB2E331J	RD 330 J 1/4W		
R193-196			RD14NB2E470J	RD 47 J 1/4W		
R197,198			RD14NB2E221J	RD 220 J 1/4W		
R199,200			RD14NB2E330J	RD 33 J 1/4W		
R201,202			RS14KB3D4R7J	FL-PROOF RS 4.7 J 2W		
R301			RS14KB3D182J	FL-PROOF RS 1.8K J 2W		
R303			RD14NB2E1R0J	RD 1 J 1/4W		
R304			RS14KB3A103J	FL-PROOF RS 10K J 1W		
R306			RD14NB2E101J	RD 100 J 1/4W		
R307			RD14NB2E822J	RD 8.2K J 1/4W		

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R310,311			RS14KB3A680J	FL-PROOF RS 68 J 1W		
R314			RS14KB3A681J	FL-PROOF RS 680 J 1W		
R315,316			RD14NB2E100J	RD 10 J 1/4W		
R317			RS14KB3D122J	FL-PROOF RS 1.2K J 2W		
R318			RS14KB3D152J	FL-PROOF RS 1.5K J 2W		
R321,322			RD14NB2E1R0J	RD 1 J 1/4W		
R325,326			RD14NB2E472J	RD 4.7K J 1/4W		
R331-333			RS14KB3D182J	FL-PROOF RS 1.8K J 2W		
R342			RS14KB3A100J	FL-PROOF RS 10 J 1W		
R343			RS14KB3A470J	FL-PROOF RS 47 J 1W		
R454			RS14KB3A391J	FL-PROOF RS 390 J 1W		
R476			RD14NB2E561J	RD 560 J 1/4W		
VR1 -6			R32-0032-05	SEMI FIXED VARIABLE RESISTOR		
K1			S76-0134-05	MAGNETIC RELAY		
K2 -5			S76-0045-15	MAGNETIC RELAY		KP
K2 -5			S76-0098-05	MAGNETIC RELAY		EE1
D1 -6			HSS104A	DIODE		
D1 -6			1SS133	DIODE		
D11 ,12			D5SBA20F03	DIODE		
D11 ,12			TS6P03G-B	DIODE		
D13			HSS104A	DIODE		
D13			1SS133	DIODE		
D14 ,15			1SR139-400	DIODE		
D16			HSS104A	DIODE		
D16			1SS133	DIODE		
D17			MTZJ16(B)	ZENER DIODE		
D17			RD16ES(B)	ZENER DIODE		
D18			MTZJ15(B)	ZENER DIODE		
D18			RD15ES(B)	ZENER DIODE		
D19			MTZJ16(B)	ZENER DIODE		
D19			RD16ES(B)	ZENER DIODE		
D20 ,21			MTZJ6.8(B)	ZENER DIODE		
D20 ,21			RD6.8ES(B)	ZENER DIODE		
D22			MTZJ5.1(B)	ZENER DIODE		
D22			RD5.1ES(B)	ZENER DIODE		
D23			MTZJ10(B)	ZENER DIODE		
D23			RD10ES(B)	ZENER DIODE		
D23 ,24			MTZJ10(B)	ZENER DIODE		
D23 ,24			RD10ES(B)	ZENER DIODE		
D24			MTZJ15(B)	ZENER DIODE		
D24			RD15ES(B)	ZENER DIODE		
D25			MTZJ24(B)	ZENER DIODE		
D25			RD24ES(B)	ZENER DIODE		
D27			1SS244	DIODE		
D28 -30			HSS104A	DIODE		
D28 -30			1SS133	DIODE		
D32 -35			HSS104A	DIODE		
D32 -35			1SS133	DIODE		
D51 ,52			1SS244	DIODE		
D53 ,54			HSS104A	DIODE		
D53 ,54			1SS133	DIODE		
D55 ,56			1SS244	DIODE		
D57 ,58			HSS104A	DIODE		
D57 ,58			1SS133	DIODE		

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D59,60			1SS244	DIODE		
D61			HSS104A	DIODE		
D61			1SS133	DIODE		
D63			MTZJ3.9(B)	ZENER DIODE		
D63			RD3.9ES(B)	ZENER DIODE		
D64			HSS104A	DIODE		
D64			1SS133	DIODE		
D65			MTZJ3.9(B)	ZENER DIODE		
D65			RD3.9ES(B)	ZENER DIODE		
D66			HSS104A	DIODE		
D66			1SS133	DIODE		
D67			MTZJ3.9(B)	ZENER DIODE		
D67			RD3.9ES(B)	ZENER DIODE		
D68			HSS104A	DIODE		
D68			1SS133	DIODE		
D69			MTZJ3.9(B)	ZENER DIODE		
D69			RD3.9ES(B)	ZENER DIODE		
D221			MTZJ11(B)	ZENER DIODE		
D221			RD11ES(B)	ZENER DIODE		
D602-604			HSS104A	DIODE		
D602-604			1SS133	DIODE		
IC1			NJM4580L	ANALOGUE IC		
IC2			M61516FP	ANALOGUE IC		
IC5			LC4966	MOS-IC		
Q1 -4			2SA992(F,E)	TRANSISTOR		
Q5 ,6			2SA1123(R,S)	TRANSISTOR		
Q7 -10			2SC2631(R,S)	TRANSISTOR		
Q11,12	Δ		TRAIT3KN	TRANSISTOR		
Q13,14	Δ		TRAIT3KP	TRANSISTOR		
Q21 -24			2SA992(F,E)	TRANSISTOR		
Q25,26			2SA1123(R,S)	TRANSISTOR		
Q27 -30			2SC2631(R,S)	TRANSISTOR		
Q31,32	Δ		TRAIT3KN	TRANSISTOR		
Q33,34	Δ		TRAIT3KP	TRANSISTOR		
Q41 -44			2SA992(F,E)	TRANSISTOR		
Q45,46			2SA1123(R,S)	TRANSISTOR		
Q47 -50			2SC2631(R,S)	TRANSISTOR		
Q51,52	Δ		TRAIT3KN	TRANSISTOR		
Q53,54	Δ		TRAIT3KP	TRANSISTOR		
Q301			KTC3200	TRANSISTOR		
Q302			DTC113ZSA	DIGITAL TRANSISTOR		
Q302			UN4219	DIGITAL TRANSISTOR		
Q303	Δ		2SC3940A(R,S)	TRANSISTOR		
Q304	Δ		2SB1640	TRANSISTOR		
Q305			UN421N	DIGITAL TRANSISTOR		
Q306	Δ		2SB1640	TRANSISTOR		
Q307	Δ		2SD2525	TRANSISTOR		
Q308			2SA992(F,E)	TRANSISTOR		
Q309-312			KTC3200	TRANSISTOR		
Q331-336			2SC2878(B)	TRANSISTOR		
Q351			UN421N	DIGITAL TRANSISTOR		
Q352			DTC124ESA	DIGITAL TRANSISTOR		
Q352			UN4212	DIGITAL TRANSISTOR		
Q353-358			2SC1845(F,E)	TRANSISTOR		
Q359			2SA992(F,E)	TRANSISTOR		

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Q360,361			2SC1845(F,E)	TRANSISTOR		
Q362			2SA992(F,E)	TRANSISTOR		
Q363,364			2SC1845(F,E)	TRANSISTOR		
Q365			2SA992(F,E)	TRANSISTOR		
Q602-604			2SC1845(F,E)	TRANSISTOR		
Q605,606			2SC2878(B)	TRANSISTOR		
Q607			2SA992(F,E)	TRANSISTOR		
D734			B30-2545-05	LED(RED3(160))		
D741-745			B30-2545-05	LED(RED3(160))	KP	
D741-752			B30-2651-05	LED(RED,D3,40DEG.)	EE1	
D746-752			B30-2567-05	LED(RED(80) HI-BR)		
D746-752			B30-2651-05	LED(RED,D3,40DEG.)	KP	
D753			B30-2545-05	LED(RED3(160))		
D754			B30-2567-05	LED(RED(80) HI-BR)		
D754			B30-2651-05	LED(RED,D3,40DEG.)	KP	
D754,755			B30-2651-05	LED(RED,D3,40DEG.)	EE1	
D755			B30-2545-05	LED(RED3(160))	KP	
C101			CC45FSL1H101J	CERAMIC	100PF	J
C103			CK73GB1H103K	CHIP C	0.010UF	K
C104			CC73GCH1H101J	CHIP C	100PF	J
C201			CE04KW2A101M	ELECTRO	100UF	100WV
C202			CC73GCH1H180J	CHIP C	18PF	J
C401			CK45FE2H103P	CERAMIC	0.010UF	P
C402			CE04KW1E222M	ELECTRO	2200UF	25WV
C403			CE04KW1E102M	ELECTRO	1000UF	25WV
C404-407			CK73GB1H103K	CHIP C	0.010UF	K
C408,409			CE04KW1E470M	ELECTRO	47UF	25WV
C410			CC73GCH1H680J	CHIP C	68PF	J
C411			CC73GCH1H820J	CHIP C	82PF	J
C451			CK45FF1H103Z	CERAMIC	0.010UF	Z
C452			CQ93FMG1H104J	MYLAR	0.10UF	J
C452			CQ93FMG1H393J	MYLAR	0.039UF	J
C453			CE04KW1C332M	ELECTRO	3300UF	16WV
C453			CE04KW1E332M	ELECTRO	3300UF	25WV
C454			CE04LW1H100M	ELECTRO	10UF	50WV
C456,457			CK45FF1H103Z	CERAMIC	0.010UF	Z
C458			CE04LW1H100M	ELECTRO	10UF	50WV
C459			CE04LW1H010M	ELECTRO	1.0UF	50WV
C501-504			CC45FCH1H101J	CERAMIC	100PF	J
C505,506			CK45FB1H102K	CERAMIC	1000PF	K
C507,508			CC45FCH1H101J	CERAMIC	100PF	J
C509			CK45FB1H471K	CERAMIC	470PF	K
C510			CC73GCH1H101J	CHIP C	100PF	J
C511			CC45FCH1H101J	CERAMIC	100PF	J
C601-606			CC45FSL1H470J	CERAMIC	47PF	J
C608-611			CE04LW1E470M	ELECTRO	47UF	25WV
C651-662			CC45FSL1H470J	CERAMIC	47PF	J
C663			CK45FF1H103Z	CERAMIC	0.010UF	Z
C664			CE04LW1E470M	ELECTRO	47UF	25WV
C665			CK45FF1H103Z	CERAMIC	0.010UF	Z
C666			CE04LW1E470M	ELECTRO	47UF	25WV
C667			CK45FF1H103Z	CERAMIC	0.010UF	Z
C668			CE04LW1E470M	ELECTRO	47UF	25WV

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KRF-V8080D/V8080D-S/VR-8050

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C669			CK45FF1H103Z	CERAMIC 0.010UF Z		
C670,671			CE04LW1E470M	ELECTRO 47UF 25WV		
C672			CK45FF1H103Z	CERAMIC 0.010UF Z		
C673			CE04LW1E470M	ELECTRO 47UF 25WV		
C674-677			CE04LW1H100M	ELECTRO 10UF 50WV		
C693			CC45FSL1H101J	CERAMIC 100PF J		
C701			CC73GCH1H221J	CHIP C 220PF J		
C702			CE04LW1H101M	ELECTRO 100UF 50WV		
C703,704			CC73GCH1H102J	CHIP C 1000PF J		
C705			CC73GCH1H181J	CHIP C 180PF J		
C741			CK73EF1E105Z	CHIP C 1.0UF Z		
C761,762			CK73GB1H103K	CHIP C 0.010UF K		
C763,764			CK45FF1H103Z	CERAMIC 0.010UF Z		
C765,766			CK73GB1H103K	CHIP C 0.010UF K		
C777			CK45FB1H102K	CERAMIC 1000PF K		
C778			CC45FCH1H101J	CERAMIC 100PF J		
C779			CE04LW1A101M	ELECTRO 100UF 10WV		
C780			CC73GCH1H270J	CHIP C 27PF J		
C791			CE04RWOJ470M	ELECTRO 47UF 6.3WV		
C792			CE04LW1H220M	ELECTRO 22UF 50WV		
C793,794			CK45FF1H103Z	CERAMIC 0.010UF Z	EE1	
C811			CK45FF1H103Z	CERAMIC 0.010UF Z	EE1	
C812,813			CC45FCH1H270J	CERAMIC 27PF J	EE1	
C814			CC45FCH1H101J	CERAMIC 100PF J	EE1	
C815			CE04LW1E470M	ELECTRO 47UF 25WV	EE1	
C816			CK45FB1H561K	CERAMIC 560PF K	EE1	
C817			CK45FF1H103Z	CERAMIC 0.010UF Z	EE1	
C818			CC45FSL1H271J	CERAMIC 270PF J	EE1	
C819			CE04LW1H2R2M	ELECTRO 2.2UF 50WV	EE1	
C841			CE04EWOJ102M	ELECTRO 1000UF 6.3WV	KP	
C842			C90-1826-05	BACKUP-C 0.047F 5.5WV	EE1	
C843			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C844			CK45FF1H103Z	CERAMIC 0.010UF Z		
C845			CK73GB1H103K	CHIP C 0.010UF K		
C851			CE04LW1H100M	ELECTRO 10UF 50WV		
C852-855			CC45FSL1H221J	CERAMIC 220PF J		
C856,857			CK45FF1H103Z	CERAMIC 0.010UF Z		
C858			CE04LW1A101M	ELECTRO 100UF 10WV		
C907			CK73GB1H103K	CHIP C 0.010UF K		
C908			CK45FF1H103Z	CERAMIC 0.010UF Z		
CN2			E40-3261-05	PIN ASSY		
CN41			E40-3261-05	PIN ASSY		
CN45			E40-4245-05	PIN ASSY		
CN46			E40-4632-05	PIN ASSY		
CN47			E40-4245-05	PIN ASSY	EE1	
CN49			E40-3246-05	PIN ASSY		
CN50			E40-3251-05	PIN ASSY		
CN65			E40-3249-05	PIN ASSY		
CN67			E40-3246-05	PIN ASSY		
CN68			E40-3248-05	PIN ASSY		
CN70			E40-3261-05	PIN ASSY		
CN80			E40-3261-05	PIN ASSY		
J2		*	E03-0396-05	AC OUTLET	KP	
J3			E03-0398-05	AC OUTLET	EE1	
J20			E63-1251-05	PIN JACK		

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J21			E56-0033-05	CYLINDRICAL RECEPTACLE		
J61 ,62			E63-1293-05	PIN JACK		
J65 -67			E56-0040-05	CYLINDRICAL RECEPTACLE		
J65 -67			E56-0050-05	CYLINDRICAL RECEPTACLE		
WH94		*	E35-3526-05	WIRING HARNESS		
Δ F1			F05-4025-05	FUSE (SEMKO) (250V T4A L)	EE1	
Δ F1			F50-0078-05	FUSE(5X20)	KP	
Δ F2			F06-1022-05	FUSE (SEMKO) (250V T1A L)	EE1	
CN11,12			J13-0075-05	FUSE CLIP		
CN21,22			J13-0075-05	FUSE CLIP	EE1	
Δ T1			L07-2761-05	POWER TRANSFORMER	EE1	
Δ T1			L07-2809-05	POWER TRANSFORMER	KP	
X701			L78-0725-05	RESONATOR (8.38MHZ)		
X811			L77-2002-05	CRYSTAL RESONATOR(4.332MHZ)	EE1	
R120			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R201			RD14NB2E472J	RD 4.7K J 1/4W		
R202			RK73GB1J1R0J	CHIP R 1 J 1/16W		
Δ R410			RS14KB3D181J	FL-PROOF RS 180 J 2W		
Δ R453			RD14NB2E1R0J	RD 1 J 1/4W		
Δ R454			RD14NB2E270J	RD 27 J 1/4W		
Δ R457			R92-1844-05	CARBON 3.3M J 1/2W	KP	
Δ R671			RS14KB3A180J	FL-PROOF RS 18 J 1W		
Δ R674			RS14KB3A470J	FL-PROOF RS 47 J 1W		
R776			RD14NB2E100J	RD 10 J 1/4W		
R779			RK73GB1J333J	CHIP R 33K J 1/16W		
R780			RD14NB2E100J	RD 10 J 1/4W		
R782			RK73GB1J303J	CHIP R 30K J 1/16W		
R801,802			RK73GB1J331J	CHIP R 330 J 1/16W		
R803			RK73GB1J104J	CHIP R 100K J 1/16W		
R805			RK73GB1J104J	CHIP R 100K J 1/16W		
R894			RK73GB1J101J	CHIP R 100 J 1/16W		
R896-898			RK73GB1J101J	CHIP R 100 J 1/16W		
R910,911			RK73GB1J104J	CHIP R 100K J 1/16W		
R922-924			RK73GB1J101J	CHIP R 100 J 1/16W		
R926			RK73GB1J101J	CHIP R 100 J 1/16W		
R935			RK73GB1J101J	CHIP R 100 J 1/16W		
R938,939			RK73GB1J101J	CHIP R 100 J 1/16W		
R951,952			RK73GB1J104J	CHIP R 100K J 1/16W		
R967-969			RK73GB1J104J	CHIP R 100K J 1/16W		
R970			RK73GB1J153J	CHIP R 15K J 1/16W		
R971,972			RK73GB1J104J	CHIP R 100K J 1/16W		
R977			RK73GB1J273J	CHIP R 27K J 1/16W	EE1	
R993			RK73GB1J101J	CHIP R 100 J 1/16W		
Δ R997			RD14NB2E1R0J	RD 1 J 1/4W		
Δ K451			S76-0107-05	MAGNETIC RELAY	KP	
Δ K451			S76-0110-05	MAGNETIC RELAY	EE1	
Δ S2			S68-0142-05	PUSH SWITCH	EE1	
S701-725			S70-0086-05	TACT SWITCH		
S731-733			S70-0086-05	TACT SWITCH		
S761,762			T99-0663-05	ROTARY ENCODER		
S763			T99-0664-05	ROTARY ENCODER		
D201			MTZJ20(B)	ZENER DIODE		
D201			RD20ES(B)	ZENER DIODE		

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KRF-V8080D/V8080D-S/MR-8050
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D202			MTZJ30(B)	ZENER DIODE		
D202			RD30ES(B)	ZENER DIODE		
Δ D401			D2SBA20F03	DIODE		
D451,452			1SS133	DIODE		
Δ D453			S1ZB20(4101)	DIODE		
D454			1SS133	DIODE		
D455			RB721Q	DIODE		
D501-504			1SS133	DIODE		
D652			1SS133	DIODE		
D655,656			MTZJ5.6(B)	ZENER DIODE		
D655,656			RD5.6ES(B)	ZENER DIODE		
D776			MTZJ5.1(B)	ZENER DIODE		
D776			RD5.1ES(B)	ZENER DIODE		
Δ D791			1SS133	DIODE		
D801-806			1SS133	DIODE		
Δ D841			RB721Q	DIODE		
D842			1SS133	DIODE		
Δ D843			RB721Q	DIODE		
D844			1SS133	DIODE		
D846			1SS133	DIODE		
D961-964			1SS133	DIODE		
ED78			HNA-16MM36T	FLUORESCENT INDICATOR TUBE		
Δ IC45			BA05T	ANALOGUE IC		
IC65			LA79510M	ANALOGUE IC		
IC74			BU2090	ANALOGUE IC		
IC78			LC75711NED	MOS-IC		
IC79			XC6202P502PR	ANALOGUE IC		
IC81			BU1923	ANALOGUE IC		
IC84			S-80840CNY	ANALOGUE IC		
IC90		*	MN101C49HNJ	MICROCONTROLLER IC		
Δ IC401			KIA7812API	ANALOGUE IC	EE1	
Δ IC402			KIA7912PI	ANALOGUE IC		
Δ Q65			2SD2525	TRANSISTOR		
Δ Q66			2SB1640	TRANSISTOR		
Δ Q201			2SD2012	TRANSISTOR		
Q451			2SC1740S(Q,R)	TRANSISTOR		
Q451			2SC2785(F,E)	TRANSISTOR		
Q731			DTC113ZSA	DIGITAL TRANSISTOR		
Q731			UN4219	DIGITAL TRANSISTOR		
Q776			2SC1740S(Q,R)	TRANSISTOR		
Q776			2SC2785(F,E)	TRANSISTOR		
Q777,778			DTC124ESA	DIGITAL TRANSISTOR		
Q777,778			UN4212	DIGITAL TRANSISTOR		
Q841			2SC1740S(Q,R)	TRANSISTOR		
Q841			2SC2785(F,E)	TRANSISTOR		
Q842			2SA1175(F,E)	TRANSISTOR		
Q842			2SA933AS(Q,R)	TRANSISTOR		
Q843			DTC113ZSA	DIGITAL TRANSISTOR		
Q843			UN4219	DIGITAL TRANSISTOR		
Δ TH1			MF-R090	THERMISTOR		
A791			W02-2769-05	ELECTRIC CIRCUIT MODULE		
SUB (X25-6620-11)						
C101-106			CC45FCH1H100D	CERAMIC 10PF D		
C107,108			CC45FSL1H820J	CERAMIC 82PF J		

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C109			CC45FCH1H100D	CERAMIC 10PF D		
C110-115			CE04LW1H100M	ELECTRO 10UF 50WV		
C116			CK45FF1H103Z	CERAMIC 0.010UF Z		
C117			CE04LW1H100M	ELECTRO 10UF 50WV		
C118			CE04LW1A471M	ELECTRO 470UF 10WV		
C119			CK45FF1H103Z	CERAMIC 0.010UF Z		
C120			CE04LW1H100M	ELECTRO 10UF 50WV		
C121			CE04LW1A471M	ELECTRO 470UF 10WV		
C122			CE04KW1E330M	ELECTRO 33UF 25WV		
C123			CE04LW1H100M	ELECTRO 10UF 50WV		
C124			CE04LW1A471M	ELECTRO 470UF 10WV		
C127-129			CK45FF1H103Z	CERAMIC 0.010UF Z		
C130-132			CQ93FMG1H104J	MYLAR 0.10UF J		
C133			CE04LW1E470M	ELECTRO 47UF 25WV		
C134-139			CK45FF1H103Z	CERAMIC 0.010UF Z		
C140			CC45FSL1H101J	CERAMIC 100PF J		
C141			CQ93FMG1H104J	MYLAR 0.10UF J		
C142			CC45FCH1H100D	CERAMIC 10PF D		
C143			CC45FSL1H560J	CERAMIC 56PF J		
C305,306			CC45FSL1H221J	CERAMIC 220PF J		
C310			CC45FSL1H221J	CERAMIC 220PF J		
C311-313			CK45FB1H332K	CERAMIC 3300PF K		
C315-317			CC45FSL1H101J	CERAMIC 100PF J		
C406			CE04KW1H220M	ELECTRO 22UF 50WV		
C412			CC45FSL1H221J	CERAMIC 220PF J		
C419			CE04KW1E221M	ELECTRO 220UF 25WV		
C420			CE04KW1E101M	ELECTRO 100UF 25WV		
C430			CC45FCH1H100D	CERAMIC 10PF D		
C433,434			CE04KW1E470M	ELECTRO 47UF 25WV		
C438			CE04HW1E220M	NP-ELEC 22UF 25WV		
C440			CE04KW1E470M	ELECTRO 47UF 25WV		
C446			CE04KW1H220M	ELECTRO 22UF 50WV		
C449			CE04KW1H220M	ELECTRO 22UF 50WV		
C450			CE04KW1H4R7M	ELECTRO 4.7UF 50WV		
C451			CE04KW1E221M	ELECTRO 220UF 25WV		
C452			CE04KW1H220M	ELECTRO 22UF 50WV		
C453,454			CC45FSL1H221J	CERAMIC 220PF J		
C457			CQ93FMG1H392J	MYLAR 3900PF J		
C458			CC45FCH1H100D	CERAMIC 10PF D		
C459			CC45FSL1H470J	CERAMIC 47PF J		
CN101			E40-3262-05	PIN ASSY		
CN301			E40-8483-05	FLAT CABLE CONNECTOR		
CN302			E40-4101-05	PIN ASSY		
CN303			E40-3248-05	PIN ASSY		
CN304			E40-4248-05	PIN ASSY		
J101			E63-1315-05	PIN JACK		
J102			E63-1316-05	PIN JACK		
J301			E70-0150-05	SCREW TERMINAL BOARD		
J302			E63-0133-15	PIN JACK		
J303			E63-1146-05	PIN JACK		
Δ R425			RD14NB2E561J	RD 560 J 1/4W		
R434			RD14GB2E150J	FL-PROOF RD 15 J 1/4W		
R452			RD14GB2E150J	FL-PROOF RD 15 J 1/4W		
D401			MTZJ3.9(B)	ZENER DIODE		

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D401			RD3.9ES(B)	ZENER DIODE		
IC101		*	NJM2584D	ANALOGUE IC		
IC102		*	NJM2580D	ANALOGUE IC		
IC403			NJM4580D-D	IC(OP AMP X2)		
IC404			NJM4565D-D	IC(OP AMP X2)		
Q305,306			2SC2878(B)	TRANSISTOR		
Q310			2SC2878(B)	TRANSISTOR		
Q315,316			2SC2878(B)	TRANSISTOR		
Q320			2SC2878(B)	TRANSISTOR		
Q402			DTA124ESA	DIGITAL TRANSISTOR		
Q402			KRA103M	DIGITAL TRANSISTOR		
Q402			UN4112	DIGITAL TRANSISTOR		

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KRF-V8080D/V8080D-S/M/R-8050
PARTS LIST

KRF-V8080D/V8080D-S/VR-8050

SPECIFICATIONS

KRF-V8080D

AUDIO section

Rated power output during STEREO operation	
DIN/IEC (63Hz ~ 12.5 kHz, 0.09 % T.H.D. at 6 Ω).....	100 W + 100 W
Effective power output during SURROUND operation	
FRONT	
(63Hz ~ 12.5 kHz, 0.09 % T.H.D. at 6 Ω one channel driven)	100 W + 100 W
(1 kHz, 10 % T.H.D. at 6 Ω one channel driven)	130 W + 130 W
CENTER	
(63Hz ~ 12.5 kHz, 0.09 % T.H.D. at 6 Ω one channel driven)	100 W
(1 kHz, 10 % T.H.D. at 6 Ω one channel driven)	130 W
SURROUND	
(63Hz ~ 12.5 kHz, 0.7 % T.H.D. at 6 Ω one channel driven)	100 W + 100 W
(1 kHz, 10 % T.H.D. at 6 Ω one channel driven)	130 W + 130 W
Surround Back/subwoofer	
(63Hz ~ 12.5 kHz, 0.09 % T.H.D. at 6 Ω one channel driven)	100 W
(1 kHz, 10 % T.H.D. at 6 Ω one channel driven)	130 W
Total harmonic distortion.....	0.009 % (1 kHz, 50 W, 6 Ω)
Frequency response	
(CD/DVD, TAPE, VIDEO 1, VIDEO 2, VIDEO 3, DVD/6CH)	10 Hz ~ 100 kHz, +0 dB ~ -3.0 dB
PHONO 'RIAA' response	40 Hz ~ 20 kHz, +1.5 dB ~ -3.0 dB
Maximum input level	
PHONO (MM)	40 mV, 1 % T.H.D. at 1 kHz
Signal to noise ratio (IHF'66)	
PHONO (MM).....	75 dB
(CD/DVD, TAPE, VIDEO 1, VIDEO 2, VIDEO 3, DVD/6CH)	95 dB
Loudness control	
VOLUME at -30 dB level.....	+6 dB (100 Hz)
Input sensitivity / impedance	
PHONO (MM)	6.0 mV / 47 kΩ
(CD/DVD, TAPE, VIDEO 1, VIDEO 2, VIDEO 3, DVD/6CH)	500 mV / 47 kΩ
Output level / impedance	
TAPE REC	500 mV / 1 kΩ
PRE OUT (SURROUND BACK CHANNEL).....	1 V / 1 kΩ
PRE OUT (SUBWOOFER).....	1 V / 1 kΩ
Tone control	
BASS	±10 dB (at 100 Hz)
TREBLE	±10 dB (at 10 kHz)

DIGITAL AUDIO section

Sampling frequency	32 kHz, 44.1 kHz, 48 kHz, 96 kHz
Input level / impedance / wave length	
Optical	(-15 dBm ~ -24 dBm), 660 nm ±30 nm
Coaxial.....	0.5 Vp-p / 75 Ω

VIDEO section

VIDEO inputs / outputs	
VIDEO (composite).....	1 Vp-p / 75 Ω
S VIDEO inputs /outputs	
S VIDEO (luminance signal).....	1 Vp-p / 75 Ω
S VIDEO (chrominance signal).....	0.286 Vp-p / 75 Ω
COMPONENT VIDEO inputs/ outputs	
COMPONENT VIDEO (luminance signal).....	1 Vp-p / 75 Ω
COMPONENT VIDEO (CB/CR-signal).....	±0.32 Vp-p / 75 Ω

FM tuner section

Tuning frequency range	87.5 MHz ~ 108.0 MHz
Usable sensitivity	
MONO	1.3 μV (75 Ω)/ 13.2 dBf (40 kHz dev, S/N 26 dB)
STEREO	45 μV (75 Ω)/ 42.1 dBf (40 + 6 kHz dev, S/N 46 dB)
Total harmonic distortion	
MONO (1 kHz, 40 kHz dev)	0.2% (65.2 dBf input)
STEREO (1 kHz, 40 + 6 kHz dev).....	0.8% (65.2 dBf input)
Signal to noise ratio (DIN weighted at 1 kHz)	
MONO	65 dB (65.2 dBf input)
STEREO	60 dB (65.2 dBf input)
Stereo separation (1 kHz)	36 dB
Selectivity (DIN ±300 kHz)	64 dB
Frequency response (30 Hz ~ 15 kHz)	+0.5 dB, -3.0 dB

AM tuner section

Tuning frequency range	531 kHz ~ 1,602 kHz
Usable sensitivity (30% mod, S/N 20 dB).....	16 μV / (600 μV/m)
Signal to noise ratio (30% mod, 400 Hz).....	50 dB (60 dBμV EMF input)

GENERAL

Power consumption.....	330 W
AC outlet	
SWITCHED	(total 90 W max.)
Dimensions.....	W : 440 mm (17-5/16")
	H : 159 mm (6-1/4")
	D : 392 mm (15-7/16")
Weight (Net)	11.7 kg (25.8 lb)

KRF-V8080D/V8080D-S/VR-8050

SPECIFICATIONS

VR-8050

AUDIO section

Rated power output during STEREO operation

100 watts per channel minimum RMS, both channels driven, at 8 Ω from 20 Hz to 20 kHz with no more than 0.09% total harmonic distortion. (FTC)

Effective power output during SURROUND operation

FRONT (20 ~ 20 kHz, 0.09 % T.H.D. at 8 Ω one channel driven)	100 W + 100 W	
CENTER (20 ~ 20 kHz, 0.09 % T.H.D. at 8 Ω one channel driven).....	100 W	
SURROUND (20 ~ 20 kHz, 0.7 % T.H.D. at 8 Ω one channel driven)	100 W + 100 W	
SURROUND BACK/SUBWOOFER (20 ~ 20 kHz, 0.09 % T.H.D. at 8 Ω one channel driven).....	100 W	
Total harmonic distortion.....	0.009 % (1 kHz, 50 W, 8 Ω)	
Frequency response (CD/DVD, TAPE, VIDEO 1, VIDEO 2, VIDEO 3, DVD/6CH)10 Hz ~ 100 kHz, +0 dB ~ -3.0 dB	
PHONO 'RIAA' response	40 Hz ~ 20 kHz, +1.5 dB ~ -3.0 dB	
Maximum input level PHONO (MM)	40 mV, 1 % T.H.D. at 1 kHz	
Signal to noise ratio (IHF'66) PHONO (MM)	75 dB (CD/DVD, TAPE, VIDEO 1, VIDEO 2, VIDEO 3, DVD/6CH)95 dB	
Loudness control VOLUME at -30 dB level.....	+6 dB (100 Hz)	
Input sensitivity / impedance PHONO (MM)	6.0 mV / 47 kΩ (CD/DVD, TAPE, VIDEO 1, VIDEO 2, VIDEO 3, DVD/6CH)500 mV / 47 kΩ	
Output level / impedance TAPE REC	500 mV / 1 kΩ PRE OUT (SURROUND BACK CHANNEL)..... 1 V / 1 kΩ PRE OUT (SUBWOOFER)..... 1 V / 1 kΩ	
Tone control BASS	±10 dB (at 100 Hz) TREBLE	±10 dB (at 10 kHz)

DIGITAL AUDIO section

Sampling frequency	32 kHz, 44.1 kHz, 48 kHz, 96 kHz
Input level / impedance / wave length Optical	(-15 dBm ~ -24 dBm), 660 nm ±30 nm
Coaxial.....	0.5 Vp-p / 75 Ω

VIDEO section

VIDEO inputs / outputs VIDEO (composite).....	1 Vp-p / 75 Ω
S VIDEO inputs / outputs S VIDEO (luminance signal).....	1 Vp-p / 75 Ω
S VIDEO (chrominance signal).....	0.286 Vp-p / 75 Ω
COMPONENT VIDEO inputs / outputs COMPONENT VIDEO (luminance signal).....	1 Vp-p / 75 Ω
COMPONENT VIDEO (CB/CR-signal).....	±0.32 Vp-p / 75 Ω

FM tuner section

Tuning frequency range	87.5 MHz ~ 108.0 MHz
Usable sensitivity (MONO)	1.3 μV (75 Ω)/ 13.2 dBf (75 kHz dev, SINAD 30 dB)
50 dB quieting sensitivity STEREO	28 μV (75 Ω)/ 40.2 dBf
Total harmonic distortion MONO (1 kHz, 75 kHz dev)	0.5% (65 dBf input)
STEREO (1 kHz, 67.5 + 6.75 kHz dev)...	0.7% (65 dBf input)
Signal to noise ratio MONO (1 kHz, 75 kHz dev)	75 dB (65 dBf input)
STEREO (1 kHz, 67.5 + 6.75 kHz dev) ..	68 dB (65 dBf input)
Stereo separation (1 kHz)	40 dB
Selectivity (±400 kHz)	70 dB
Frequency response (30 Hz ~ 15 kHz)	+0.5 dB, -3.0 dB

AM tuner section

Tuning frequency range 10 kHz step	530 kHz ~ 1,700 kHz
Usable sensitivity (30% mod, S/N 20 dB)	16 μV / (600 μV/m)
Signal to noise ratio (30% mod, 400 Hz)	50 dB (60 dBμV EMF input)

GENERAL

Power consumption.....	3.4 A
AC outlet SWITCHED	(total 150 W, 1.25 A max.)
Dimensions	W: 440 mm (17-5/16") H: 159 mm (6-1/4") D: 392 mm (15-7/16")
Weight (Net)	11.0 kg (24.3 lb)

Notes

1. KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.
2. The full performance may not be exhibited in an extremely cold location (under a water-freezing temperature).