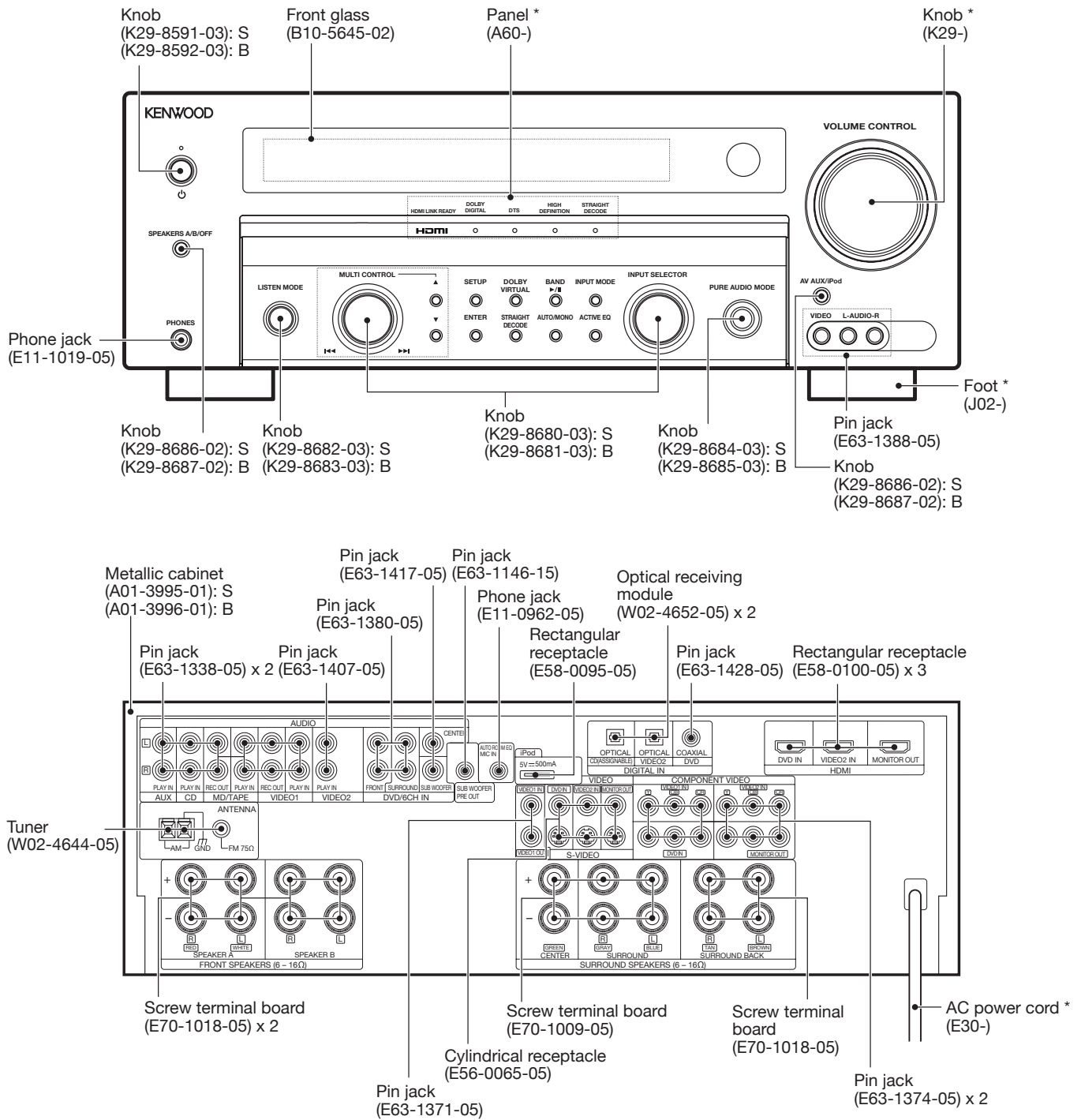


KRF-V7300D/V7300D-S KRF-V8300D/V8300D-S KRF-V9300D/V9300D-S SERVICE MANUAL

KENWOOD

Kenwood Corporation



B: Black panel

S: Silver panel

Illustration: KRF-V9300D

*** Refer to parts list on page 68.**

This product uses Lead Free solder.

This product complies with the **RoHS** directive for the European market.

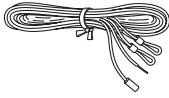


KRF-V7300D/V8300D/V9300D

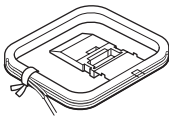
ACCESSORIES / iPod MODELS USABLE WITH THIS UNIT

Accessories

FM indoor antenna (1)
(T90-0854-05)

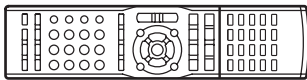


AM loop antenna (1)
(T90-0893-05)

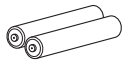


Remote control unit (1)

- KRF-V9300D : RC-R0923 (A70-1736-05)
- KRF-V8300D : RC-R0831 (A70-1731-05)
- KRF-V7300D : RC-R0733 (A70-1730-05)



Batteries * (R03) (2)
(-)



* Batteries are attached to the packing material.

KRF-V9300D /KRF-V8300D only
Setup microphone (Cord length : About 5m) (1)
(T29-0011-05)



iPod models usable with this unit

- To connect an iPod, you will need the iPod connection cable PNC-iP120 (optional accessory).
- This unit does not come with an iPod. It is up to you to purchase an iPod separately.
- Controllable iPod (As of July 2008)

Controllable iPod

iPod 4th Generation (Click wheel)

iPod mini

iPod 4th Generation (Color display)

iPod nano 1st Generation

iPod nano 2nd Generation

iPod video (iPod 5th Generation)

iPod photo

iPod nano 3rd Generation

iPod classic

iPod touch*

* With iPod touch, only the "Music" is compatible.

- Update the software of your iPod to the latest version. The latest iPod software upgrading data can be downloaded from the website of Apple Inc.
- Some functions of iPod may not work properly depending on the iPod models and the software version.
- This unit supplies power to your iPod, which means you can enjoy listening to music while charging your iPod. To do this, the unit must be turned on.
- Video output setting of iPod such as "TV OUT" and "TV Signal" needs to be set on your iPod.

Handling precautions

- Be sure to read the instruction manual that comes with the iPod you are using.
- Certain conditions while using an iPod can cause contents stored on the iPod to be lost. Note that Kenwood will not be held liable for any losses arising out of loss of stored contents.

Displayable characters

- This unit can display alphanumeric and some symbol characters.
It displays accented characters after converting them into ordinary alphabet characters. The non-displayable characters are displayed as "**".

RESETTING THE MICROCOMPUTER

Resetting the Microcomputer

If the unit is completely inoperable, the display is not normal or a problem cannot be solved even after checking the list in <Troubleshooting>, it is required to reset the microcomputer in the unit.

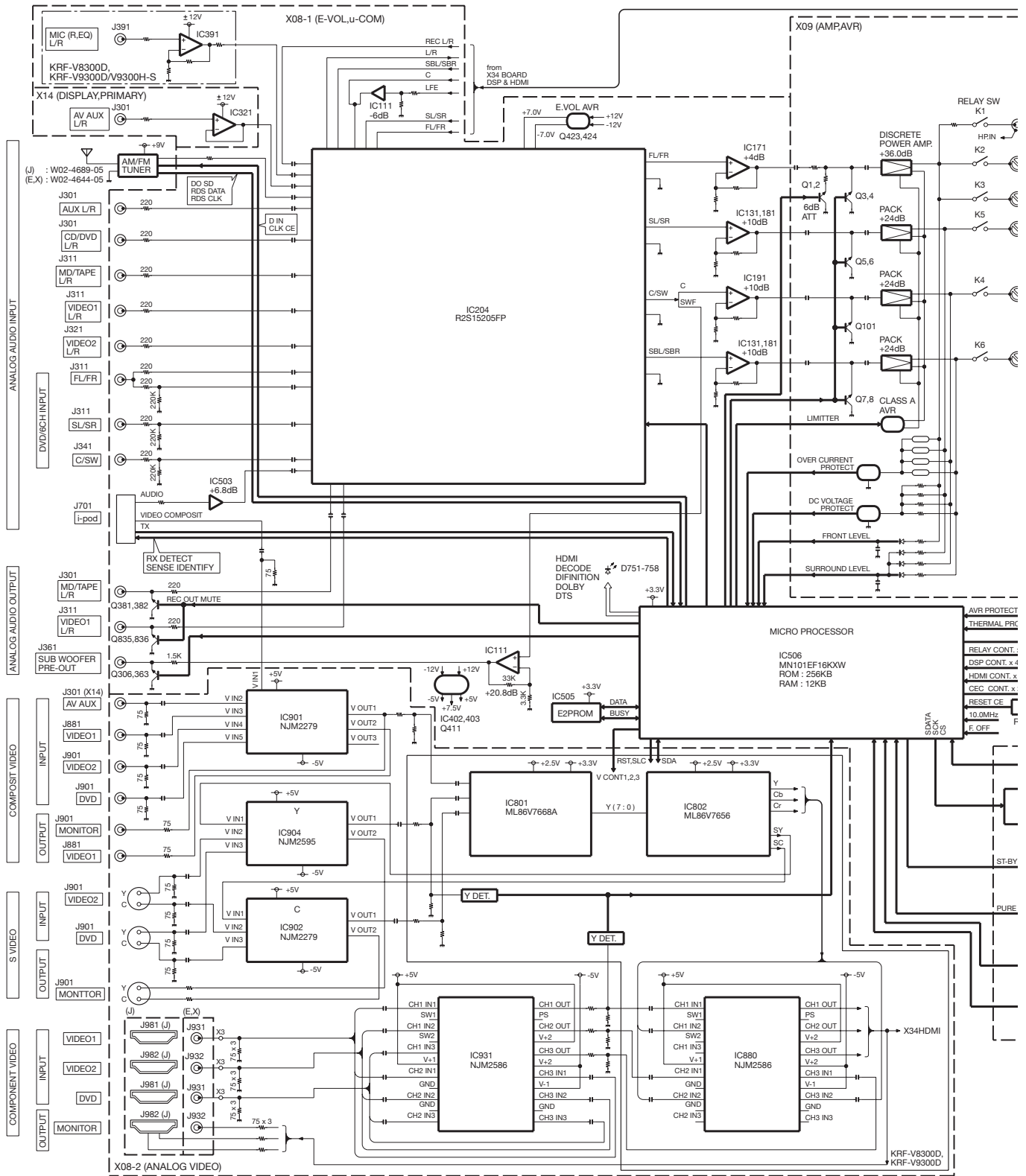
While holding down [⏻] key on the unit, unplug the power cord and plug it back in.

- 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.



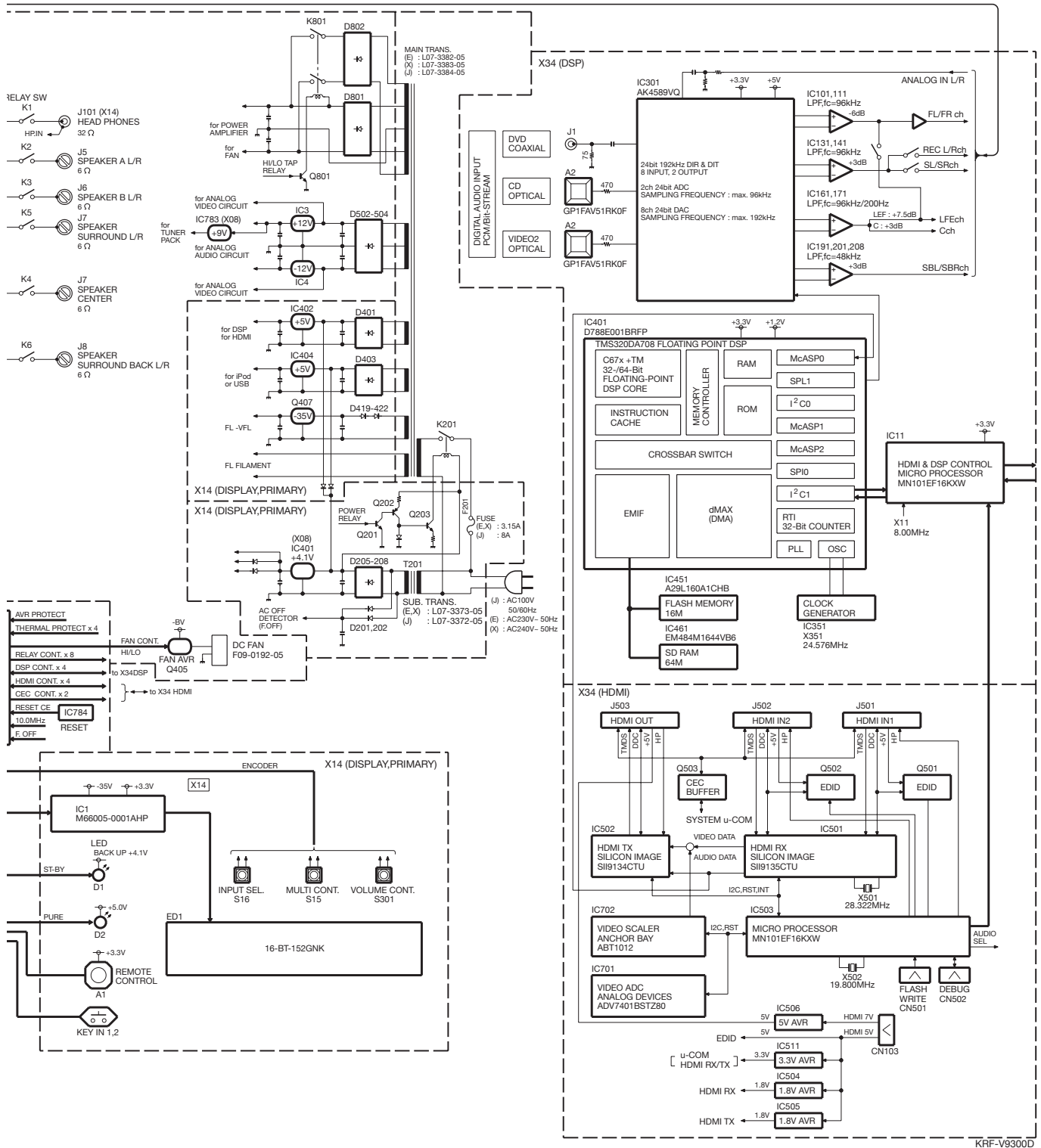
KRF-V7300D/V8300D/V9300D

BLOCK DIAGRAM



KRF-V7300D/V8300D/V9300D

BLOCK DIAGRAM



KRF-V7300D/V8300D/V9300D

CIRCUIT DESCRIPTION

● Semiconductor Working Description (X08-3502-70)

Ref. No.	Parts No.	Description	Logic
D207,208	1SS402-F	The protection for the input of IC204 from static electricity.	
D301	1SS302-F	The protection for the circuit from static electricity.	
D311	1SS302-F	The protection for the circuit from static electricity.	
D391	UDZW4.7 (B)	The power supply for the MIC circuit.	
D392,393	UDZW18 (B)	The protection for the input of IC204 from static electricity.	
D401	UDZW3.9 (B)	The power supply for the protection circuit.	
D402	1SS355	The protection for the protection circuit from the reverse current.	
D403	UDZW5.6 (B)	The detection of over voltage for digital +5V.	
D404	1SS355	The protection for the protection circuit from reverse current.	
D405	1SS355	Adjusting voltage of protection detection voltage.	
D406	1SS355	The protection for the protection circuit from reverse current.	
D407	1SS355	The protection for the microprocessor power supply from reverse current.	
D408	1SS355	The protection for Q403.	
D409	UDZW11 (B)	The power supply for FAN circuit.	
D410	UDZW6.2 (B)	The power supply for FAN circuit.	
D411	UDZW5.6 (B)	The power supply for FAN circuit.	
D412	UDZW5.2 (B)	The power supply for FAN circuit.	
D413	1SS355	The protection for the microprocessor power supply from reverse current.	
D414	1SS355	The level shifter for Q407.	
D415,416	1SS355	The level shifter for fast-off detection circuit.	
D418	1SS355	The protect the circuit from static electricity.	
D419	UDZW3.3 (B)	The power supply for analog mute and REC mute.	
D420,421	1SS355	The protection for the power supply of analog mute and REC mute from reverse current.	
D422	UDZW6.2 (B)	The power supply for IC204	±7.0V
D423,424	1SS355	The protection for the power supply of analog mute and REC mute from reverse current.	
D425	UDZW3.3 (B)	The power supply for analog mute and REC mute.	
D426	UDZW3.3 (B)	The control video circuit (X08) on/off.	power on/off.
D427	UDZW8.2 (B)	The power supply for video circuit.	+7.5V
D428	UDZW6.2 (B)	The power supply for IC204	±7.0V
D501	1SS355	The protection for the protection circuit from reverse current.	
D502	1SS355	The protection for the OR circuit of analog mute from reverse current.	
D701	1SS302-F	The protection for the circuit from static electricity.	
D709	1SS302-F	The protection for the circuit from static electricity.	
D881	1SS302-F	The detection for video synchronizing signal.	
D901	1SS302-F	The detection for video synchronizing signal.	
IC111	NJM4565MD-ZB	The buffer amplifier of IC204 (OP amp)	
IC131	NJM4565MD-ZB	The buffer amplifier of IC204 (OP amp)	

KRF-V7300D/V8300D/V9300D

CIRCUIT DESCRIPTION

Ref. No.	Parts No.	Description	Logic
IC171	NJM4565MD-ZB	The buffer amplifier of IC204 (OP amp)	
IC181	NJM4565MD-ZB	The buffer amplifier of IC204 (OP amp)	
IC191	NJM4565MD-ZB	The buffer amplifier of IC204 (OP amp)	
IC204	R2S15205FP	The electronic volume (Selector and volume)	
IC391	NJM4565MD-ZB	The Mic amp (OP amp)	
IC401	XC62HR4102PRN	The regulator for IC506.	+4.1V
IC402	KIA78R05PI-P	The regulator for video circuit.	+5V
IC403	KIA79R05PI-P	The regulator for video circuit.	-5V
IC501,502	TC74HCT7007FF	The hex buffer (3V to 5V level shifter ; tuner, FL driver, electronic volume).	
IC503	MF1341S2160	iPod coprocessor.	
IC505	M24C08-RDW6TP	EEPROM	
IC506	MN101EF16K1CLA	The system control microprocessor.	
IC507	NJU3718AM-ZB	The converter from serial to parallel (LED, SPEAKER RELAY,VIDEO SELECTOR)	
IC651-653	BA2903F	The comparator for thermal protection.	
IC701	MIC2005-05YM6	The high-side switch (detection of over current; more 700mA)	
IC702	NJM4565MD-ZB	The audio amp for iPod (OP amp)	
IC782	XC6201P332PRN	The regulator for logic circuit.	+3.3V
IC783	NJM2830U109ZB	The regulator for tuner.	+9V
IC784	XC61CN2702MRN	The voltage (2.7V) detection for microprocessor reset.	
IC801	ML86V7668AT03	The video decoder (Analogue video up converter).	
IC802	ML86V7656T03	The video encoder (Analogue video up converter).	
IC803	74AHC1GU04GW	The inverter for oscillation (32MHz) circuit.	
IC804	NJM2820F-ZB	The shunt regulator for reference voltage (1.25V) of video encoder.	
IC811	XC6203P332PRN	The regulator for video decoder and encoder.	+3.3V
IC812	XC6214P252PN	The regulator for video decoder and encoder.	+2.5V
IC880	NJM2586AM-ZB	The video amp for component signal selector and buffer amp.	
IC881	NJM4565MD-ZB	The detection of video synch signal.	
IC901,902	NJM4565MD-ZB	The video amp for S-video signal selector and buffer amp.	
IC903	NJM4565MD-ZB	The detection of video synch signal.	
IC904	NJM4565MD-ZB	The video amp for composite signal selector and buffer amp.	
IC931	NJM2586AM-ZB	The video amp for composite signal selector and buffer amp.	
IC981,982	CD4052BPWR	The analog switch (selector of D jack)	
Q306	2SC4213 (B) -F	The mute for Super Woofer (SW) pre-out.	Mute: ON
Q363	2SC4213 (B) -F	The mute for Super Woofer (SW) pre-out.	Mute: ON
Q381,382	2SC4213 (B) -F	The mute for rec-out	Mute: ON
Q385,386	2SC4213 (B) -F	The mute for rec-out	Mute: ON
Q391	DTA143TSA	The control of mic amp.	AUTO ROOM EQ: ON
Q401	2SA1576A (R,S)	The protection for AVR.	
Q402	2SC4081 (R,S)	The protection for AVR.	

KRF-V7300D/V8300D/V9300D

CIRCUIT DESCRIPTION

Ref. No.	Parts No.	Description	Logic
Q403	2SC4081 (R,S)	The inverter of reset signal.	
Q404	2SC4081 (R,S)	The protection for AVR.	
Q405	2SB 1640-Q	The power supply for FAN.	
Q406	2SC4081 (R,S)	The protection for AVR.	
Q407	2SA1576A (R,S)	The control of FAN motor.	Low turns: ON
Q408	2SC4081 (R,S)	The control of FAN motor.	High turns: ON
Q409	2SA1576A (R,S)	The fast power-off detection.	
Q410	2SA1576A (R,S)	The control for analog mute and Rec-out mute.	Mute: ON
Q411	2SA1576A (R,S)	The control power supply for video circuit.	
Q412	2SC4081 (R,S)	The control power supply for video circuit.	
Q413	2SA1576A (R,S)	The control power supply for video circuit.	
Q414	DTC124EUA	The control power supply for video circuit.	
Q415	2SC4081 (R,S)	The power supply for IC204	±7V
Q416	2SA1576A (R,S)	The power supply for IC204	±7V
Q417	2SA1576A (R,S)	The control for power supply of video circuit.	
Q418	2SC4081 (R,S)	The power supply for IC204	±7V
Q419,420	2SA1576A (R,S)	The power supply for IC204	±7V
Q421	2SC4081 (R,S)	The power supply for IC204	±7V
Q422	2SA1576A (R,S)	The control for analog mute and Rec-out mute.	Mute: ON
Q423	2SC1627-F(Y)	The power supply for IC204	±7V
Q424	2SA817-F(Y)	The power supply for IC204	±7V
Q425,426	2SK879-F(Y,GR)	The constant current for IC204	±7V
Q427	2SC4081 (R,S)	The power supply (+7.5V) for video circuit.	
Q428	2SA1576A (R,S)	The protection for AVR.	
Q651	2SA1576A (R,S)	The protection for thermal protection.	
Q701	DTC124EUA	The control for DSP mute (analog mute).	Mute: ON
Q702	DTC124EUA	The control for tuner power supply.	Tuner: ON
Q703	2SA1576A (R,S)	The control for tuner power supply.	Tuner: ON
Q750	2SC4081 (R,S)	The control for LED	LED on: ON
Q751	DTC124EUA	The control for LED dimmer	Dimmer: ON
Q752	2SC4081 (R,S)	The control for LED	LED on: ON
Q753	DTC124EUA	The control for LED dimmer	Dimmer: ON
Q754	2SC4081 (R,S)	The control for LED	LED on: ON
Q755	DTC124EUA	The control for LED dimmer	Dimmer: ON
Q756	2SC4081 (R,S)	The control for LED	LED on: ON
Q757	DTC124EUA	The control for LED dimmer	Dimmer: ON
Q758	2SC4081 (R,S)	The control for LED	LED on: ON
Q759	DTC124EUA	The control for LED dimmer	Dimmer: ON
Q760	2SC4081 (R,S)	The control for LED	LED on: ON
Q761	DTC124EUA	The control for LED dimmer	Dimmer: ON
Q801	2SC4081 (R,S)	The buffer amplifier of composite signal.	

CIRCUIT DESCRIPTION

Ref. No.	Parts No.	Description	Logic
Q881	2SC4081 (R,S)	The level shifter of video synch detection.	
Q902	2SC4081 (R,S)	The level shifter of video synch detection.	
Q903	DTA124EUA	The detection of the S terminal video signal and control video selector IC.	
Q981-983	2SC4081 (R,S)	The buffer amplifier of video component signal.	
Q984-986	DTC124EUA	The level shifter of video selection control signal	
Q987	DTA124EUA	The level shifter of video selection control signal	

● Semiconductor Working Description (X09-7052-70)

Ref. No.	Parts No.	Description	Logic
D1~9	1SS133	The base voltage pull-down for muting transistors,Q1~8 and Q101.	
D203	1SS133	The temperature compensation for Q207.	
D204	1SS133	The temperature compensation for Q208.	
D205	1SS133	The current mirror.	
D206	1SS133	The current mirror.	
D209	UDZW8.2 (B)	+9 power supply.	
D210	UDZW8.2 (B)	-9 power supply.	
D301	UDZW3.3 (B)	The voltage for mute control.	
D302	UDZW3.3 (B)	+3.3V power supply for microprocessor.	
D304	DAN202U	The OR circuit of power supply.	
D305	UDZW3.3 (B)	+3.3V power supply for protection control.	
D306	1SS133	The protection Q305 control.	
D307	1SS133	The protection Q305 control.	
D308	1SS133	The detection level for FAN control.	C-ch
D309	DAN202U	The detection level for FAN control.	S L and SB L-chs
D310	DAN202U	The detection level for FAN control.	S R and SB R-chs
D311	1SS133	The detection level for limiter control.	S R-ch
D312	1SS133	The detection level for limiter control.	C-ch
D314	DAN202U	The detection level for limiter control.	F L and F R-chs
D315	DAN202U	The detection level for FAN control.	F L and F R-chs
D316~321	1SS133	Protect the relay from reverse current.	
D322	1SS133	The detection level for limiter control.	S L-ch
D502~505	1SR139-400T64	+12V rectifier.	
D516	UDZW13 (B)	The power supply (+B) for 2nd and 3rd stages of main amp circuit.	
D517	UDZW15 (B)	The power supply (+B) for 2nd and 3rd stages of main amp circuit.	
D518	UDZW8.2 (B)	The power supply (-B) for 2nd and 3rd stages of main amp circuit.	
D519	UDZW5.6 (B)	The power supply (-B) for 2nd and 3rd stages of main amp circuit.	
D520	UDZW18 (B)	The power supply (-B) for 2nd and 3rd stages of main amp circuit.	
D521	UDZW24 (B)	The power supply (-B) for 2nd and 3rd stages of main amp circuit.	
D523	1SS355	Protect the Q510 from reverse current.	

KRF-V7300D/V8300D/V9300D

CIRCUIT DESCRIPTION

Ref. No.	Parts No.	Description	Logic
D524	1SS355	Protect +12V tap of the power transformer.	
D525	1SS355	Protect -12V tap of the power transformer.	
D526,527	1SS355	The detection of short circuit 12V taps.	
D801	TS6P03G-B	The low voltage taps rectifier.	
D802	TS6P03G-B	The high voltage taps rectifier.	
D803,804	1SR139-400T64	The diode for the tap selector relay.	
D805	1SS355	Protect the relay from reverse current.	
IC1	STK433-330-E	3-ch power pack IC.	C-ch, S R-ch and SB R-ch
IC2	STK433-130-E	2-ch power pack IC.	S L-ch and SB L-ch
IC3	KIA7812API-UP	+12V regulator IC for analog circuit.	
IC4	KIA7912API-UP	-12V regulator IC for analog circuit	
Q1	DTC643TU	-6dB attenuator.	L-ch
Q2	DTC643TU	-6dB attenuator.	R-ch
Q3	2SC2878 (B) -F	For muting	L-ch
Q4	2SC2878 (B) -F	For muting	R-ch
Q5	DTC643TU	For muting	S L-ch
Q6	DTC643TU	For muting	S R-ch
Q7	DTC643TU	For muting	SB L-ch
Q8	DTC643TU	For muting	SB R-ch
Q101	DTC643TU	For muting	C-ch
Q201	2SK364F (GR,BL)	The 1st stage differential amp.	L-ch
Q202	2SK364F (GR,BL)	The 1st stage differential amp.	R-ch
Q203	2SC4081 (R,S)	The constant current for the 1st stage of amp.	L-ch
Q204	2SK364F(GR,BL)	The 1st stage differential amp.	R-ch
Q205	2SK364F(GR,BL)	The 1st stage differential amp.	L-ch
Q206	2SC4081 (R,S)	The constant current for the 1st stage of amp.	R-ch
Q207	IMX8	The 2nd stage amp.	L-ch
Q208	IMX8	The 2nd stage amp.	R-ch
Q209	2SA970-F (BL)	The 3rd stage amp.	L-ch
Q210	2SA970-F (BL)	The 3rd stage amp.	R-ch
Q211	2SA970-F (BL)	The current mirror.	L-ch
Q212	2SA970-F (BL)	The current mirror.	R-ch
Q213	2SA970-F (BL)	The current mirror.	L-ch
Q214	2SA970-F (BL)	The current mirror.	R-ch
Q215	2SA970-F (BL)	The 3rd stage amp.	L-ch
Q216	2SA970-F (BL)	The 3rd stage amp.	R-ch
Q217	TRAIT10N	The power transistor.	L-ch
Q218	TRAIT10N	The power transistor.	R-ch
Q219	TRAI1T10P	The power transistor.	L-ch
Q220	TRAIT10P	The power transistor.	R-ch
Q221	2SC2240-F (BL)	The current protection.	L-ch

KRF-V7300D/V8300D/V9300D

CIRCUIT DESCRIPTION

Ref. No.	Parts No.	Description	Logic
Q222	2SC2240-F (BL)	The current protection.	R-ch
Q223	2SK879-F (Y,GR)	The constant current for the 1st stage of amp.	L-ch
Q224	2SK879-F (Y,GR)	The constant current for the 1st stage of amp.	R-ch
Q225	2SC4081 (R,S)	The constant current for the 1st stage of amp.	L-ch
Q226	2SC4081 (R,S)	The constant current for the 1st stage of amp.	R-ch
Q227,228	2SC4081 (R,S)	+9V power supply.	
Q229,230	2SC4081 (R,S)	-9V power supply.	
Q301	2SA1576A (R,S)	-6dB attenuator.	
Q302	2SA1576A (R,S)	The mute control.	
Q303	2SC4081 (R,S)	The protection control.	
Q304	2SC4081 (R,S)	The protection control.	
Q305	2SA1576A (R,S)	The protection control.	
Q306	2SC4081 (R,S)	The protection control.	
Q307	2SC4081 (R,S)	The protection control.	
Q308	2SA1576A (R,S)	The protection control.	
Q309	2SC2240-F (BL)	The current protection.	SB R-ch
Q310	2SC2240-F (BL)	The current protection.	SB L-ch
Q311	2SC2240-F (BL)	The current protection.	C-ch
Q312	2SC2240-F (BL)	The current protection.	S R-ch
Q313	2SC2240-F (BL)	The current protection.	S L-ch
Q314	DTC113ZUA	The headphone relay control.	
Q315	DTC113ZUA	The front speaker-A relay control.	
Q316	DTC113ZUA	The front speaker-B relay control.	
Q317	DTC113ZUA	The center speaker relay control.	
Q318	DTC113ZUA	The surround speaker relay control.	
Q319	DTC113ZUA	The surround back speaker relay control.	
Q505	2SA1576A (R,S)	-B voltage limiter control for the 2nd and 3rd stages amp.	-B power supply selector
Q506	2SD2525-Q	+B voltage control for the 2nd and 3rd stages amp.	
Q507	2SB1640-Q	-B voltage control for the 2nd and 3rd stages amp.	
Q508	2SK879-F (Y,GR)	The constant current circuit.	
Q509	2SK879-F (Y,GR)	The constant current circuit.	
Q510	2SC4081 (R,S)	-B voltage limiter control for the 2nd and 3rd stages amp.	Q505
Q511	2SA1576A (R,S)	-B constant voltage for the 2nd and 3rd stage amp.	
Q512	2SC4081 (R,S)	+B constant voltage for the 2nd and 3rd stage amp.	
Q513	2SC4081 (R,S)	The Darlington connection for Q506.	
Q514	2SC4081 (R,S)	The Darlington connection for Q507.	
Q515	2SC4081 (R,S)	The protection works when shorted between AC (+12V) and GND.	Q515-off: protection-on
Q516	2SC4081 (R,S)	The protection works when shorted between AC (-12V) and GND.	Q516-off: protection-on
Q801	DTC124EUA	The power supply voltage selector (HIGH or LOW tap)	HIGH: Q801-on

KRF-V7300D/V8300D/V9300D

CIRCUIT DESCRIPTION

● Semiconductor Working Description (X14-8112-70)

Ref. No.	Parts No.	Description	Logic
D1	B30-2597-05	STANDBY LED (RED)	
D2	B30-2702-05	PURE AUDIO MODE LED (WHT)	
D3	1SS302-F	Protect the rotary encoder (LISTEN MODE) from static electricity.	
D4	1SS302-F	Protect the rotary encoder (MULTI CONTROL) from static electricity.	
D5	1SS302-F	Protect the rotary encoder (INPUT SELECTOR) from static electricity.	
D9	1SS355	Drop the voltage for remote control receiving device.	
D10	UDZW6.8 (B)	For cutoff bias of FL.	
D11	1SS355	Protect circuit between digital +5V and GND from the reverse current.	
D12	1SS355	Protect circuit between FL -30V and GND from the reverse current.	
D201,202	1SS355	Rectifier diodes for reset circuit.	
D203	1SS302-F	Constant current for power relay (1.2V up)	
D204	1SS355	Protect the power relay from the reverse voltage.	
D205~208	1SS355	Rectifier diodes for small transformer.	
D301,302	1SS302-F	Protect the FRONT AUX circuit from static electricity.	
D401	TS4B03G-B1	Stacked rectifier diode for DSP	
D402	TS6P03G-B	Stacked diode for HDMI	
D403	TS4B03G-B1	Stacked diode for iPod.	
D404	1SR139-400T64	Protect the microprocessor from the reverse current.	
D405	1SS302-F	Protect the microprocessor from connecting power supply (DSP's regulator) suddenly.	
D406	1SS302-F	Protect the microprocessor from connecting power supply (DSP's transformer) suddenly.	
D407,408	UDZW16 (B)	16V zener diode for FL power supply (-30V)	
D409	1SR139-400T64	Protect the microprocessor from the reverse current.	
D410	UDZW4.7 (B)	For voltage adjustment of microprocessor protection.	
D411	UDZW8.2 (B)	Protect the circuit of DSP (+5V).	
D412	1SS355	Protect the circuit of DSP +5V.	
D413	UDZW8.2 (B)	Protect the circuit of HDMI (+7V).	
D414	1SS355	Protect the circuit of HDMI +7V.	
D415	UDZW8.2 (B)	Protect the circuit of HDMI (+5V).	
D416	1SS355	Protect the circuit of HDMI +5V.	
D419~422	1SR139-400T64	Rectifier diode for FL (-30V).	
D423~426	1SR139-400T64	Rectifier diode for analog circuit ($\pm 12V$).	
D427	1SS302-F	Protect the microprocessor from connecting power supply (HDMI's transformer) suddenly.	
D428	1SS302-F	Protect the microprocessor from connecting power supply (HDMI's regulator) suddenly.	
D429	1SS302-F	Protect the microprocessor from connecting power supply (FL's circuit) suddenly.	
D430	1SS355	Protect the circuit of FL -30V.	
D431	1SS355	Protect the circuit of analog +B.	

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CIRCUIT DESCRIPTION

Ref. No.	Parts No.	Description	Logic
D432	1SS355	Protect the circuit of analog OR (\pm B).	
D433	1SS355	Protect the circuit of analog -B.	
D434	1SS355	Protect the circuit of analog OR (\pm B).	
Q1	DTC114EUA	Control for power LED.	
Q2	DTC114EUA	Control for DIMMER LED.	
Q3	2SC4081 (R,S)	Control white LED on/off.	
Q10	IMX1	Current amplifier for FL segments.	
Q201	2SC4081 (R,S)	Control for power relay.	
Q202	DTA124EUA	Control for power relay.	
Q203	2SC4081 (R,S)	Constant current for power relay.	
Q401	2SD2012-F	Current amplifier for DSP (+5V)	
Q402	2SK364F (GR,BL)	Constant current for DSP (+5V).	
Q403	2SC4081 (R,S)	Feedback circuit of DSP (+5V).	
Q404	2SD2641*5	Current amplifier for HDMI (+5V).	
Q405	2SK364F (GR,BL)	Constant current for HDMI (+5V).	
Q406	2SC4081 (R,S)	Feedback circuit of HDMI (+5V).	
Q407	2SB1640-Q	Power supply for FL (-30V)	
Q408	2SA1576A (R,S)	+5V power supply for DSP.	
Q409	2SC4081 (R,S)	Current amplifier for DSP (+5V).	
Q410	2SA1576A (R,S)	-30V power supply for FL.	
Q411	2SA1576A (R,S)	Protect the FL circuit to detect -30V.	
Q412	2SC4081 (R,S)	For analog +B detection.	
Q413	2SC4081 (R,S)	For analog -B detection.	
IC1	M66005-0001AHP	FL driver	
IC321	BA4560RF	Current amplifier for front aux audio circuit.	
IC401	NJM431U-ZB	2.5V shunt regulator for DSP (+5V)	
IC402	NJM2396F63	6.3V Regulator for HDMI	
IC403	NJM431U-ZB	2.5V shunt regulator for HDMI (+5V)	
IC404	KIA78R05PI-P	5V Regulator for iPod	

● Semiconductor Working Description (X34-1072-70: DSP)

Ref. No.	Parts No.	Description	Logic
A1	W02-4652-05	VIDEO-2 optical receiving device.	
A2	W02-4652-05	CD/VIDEO-1/AUX optical receiving device.	Initialization: CD
D11	DA204U	Anti-static electricity.	
D301,2	DA204U	Protect IC301 from over-input voltage.	
D341	UDZW4.7 (B)	Power supply for Q342 and IC301.	
IC11	MN101EF16K1CMA	Microprocessor for DSP.	
IC45	74HCT1G32GW	Mute signal.	H: mute-on.
IC51	XC6206P332PRN	Power supply for IC351,361 and 381.	+3.3V

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CIRCUIT DESCRIPTION

Ref. No.	Parts No.	Description	Logic
IC61	XC6206P332PRN	Power supply except IC351,361 and 381.	+3.3V
IC65	SI-3010KD	Power supply for IC401.	1.27V
IC101	NJM5532MD-ZB	Low Pass Filter (LPF) for L-ch and R-ch.	
IC111	NJM4565V-ZB	Low Pass Filter (LPF) for L-ch and R-ch.	
IC131	NJM4565V-ZB	Low Pass Filter (LPF) for surround L-ch and R-ch.	
IC141	NJM4565V-ZB	Low Pass Filter (LPF) for surround L-ch and R-ch.	
IC161	NJM5532MD-ZB	Low Pass Filter (LPF) for center-ch and LFE (Low Frequency Effect) -ch.	
IC171	NJM4565V-ZB	Low Pass Filter (LPF) for center-ch and LFE-ch.	
IC191	NJM4565V-ZB	Low Pass Filter (LPF) for surround back L-ch and R-ch.	
IC201	NJM4565V-ZB	Low Pass Filter (LPF) for surround back L-ch and R-ch.	
IC221	NJM4565V-ZB	Current summing amp. Sum LFE (bass) to L-ch and R-ch.	
IC231	NJM4565V-ZB	Converter. Signal from IC221 converts	
IC251	NJM7311AM-ZB	Control configuration. Change surround channels to recording outputs in recording mode.	
IC261	74HCT3G34DP	Interface from IC11 to IC251. Level shifter (+3.3V to +5V).	
IC301	AK4589VQ	Audio CODEC (ADCx2-ch, DACx8-ch, DITx2-ch,DIRx8-ch).	
IC351	74H3GU04DP	DSP master clock.	24.576MHz
IC361	74LVC2G241DP	Master clock selector.	H: HDMI input, L: except HDMI
IC381	74LVC2G125DP	Audio clock selector.	H: Digital, HDMI input, L: Analog
IC401	D788E001BRFP	Decoder for DOLBY and DTS HD Audio format.	64bit/266MHz
IC451	A29L160A1CH	DSP boot.	
IC461	EM484M1644VB6	DSP operation.	
Q341	2SK879-F (Y,GR)	Bias for Q342.	
Q342	2SD1963 (R,S)	Power supply.	+5V
Q343	2SA1576A (R,S)	Control for base voltage for Q342.	
Q344	2SC4081 (R,S)	Control for base voltage for Q342.	

● Semiconductor Working Description (X34-1072-70)

Ref. No.	Parts No.	Description	Logic
D511	EC10QS10AG	Blocking diode for reverse current of the Receiver to HDMI (High-Definition Multimedia Interface) DVD IN.	
D512	EC10QS10AG	Blocking diode for reverse current of the receiver to HDMI VIDEO-2 IN.	
D513	EC10QS10AG	Blocking diode for reverse current of the source device to HDMI DVD IN.	
D514	EC10QS10AG	Blocking diode for reverse current of the source device to HDMI VIDEO-2 IN.	
D515	RB751V-40	Blocking diode for reverse current of CEC (Consumer Electronics Control) pull-up voltage.	
IC501	SII9135CTU	Ver 1.3 HDMI of receiver IC.	
IC502	SII9134CTU	Ver 1.3 HDMI of transmitter IC.	

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CIRCUIT DESCRIPTION

Ref. No.	Parts No.	Description	Logic
IC503	MN101EF16K1CNA	HDMI.microprocessor	
IC504	SI-3010KD	1.8V regulator HDMI receiver and video circuits.	
IC505	SI-3010KD	1.8V regulator HDMI transmitter circuit..	
IC506	XC6201P501PN	5V regulator of HDMI 5V output.	
IC507	BR24L02FV-W	HDMI DVD IN EDID (Extended Display Identification Data) of EEPROM	
IC508	BR24L02FV-W	HDMI VIDEO-2 IN EDID of EEPROM	
IC509	SN74CBT3257PW	Multiplexer of HDMI DVD IN EDID SW	
IC510	SN74CBT3257PW	Multiplexer of HDMI VIDEO2 IN EDID SW	
IC511	XB1086P331JN	3.3V regulator of HDMI, VIDEO and HDMI microprocessor.	
IC701	ADV7401BSTZ80	VIDEO A/D converter.	Analog VIDEO IN → HDMI output ADC
IC702	ABT1012	Video scaler	Analog VIDEO IN → HDMI output scaler
Q501	2SC4081 (R,S)	Control for HDMI DVD IN HPD.	
Q502	2SC4081 (R,S)	Control for HDMI VIDEO-2 HPD.	
Q503	DTC124EUA	Control for CEC OUTPUT.	
Q506	SSM6N16FE-F	Level shifter for HDMI DVD IN EDID.	
Q507	SSM6N16FE-F	Level shifter for VIDEO-2 IN EDID.	
Q509	2SC4081 (R,S)	Control for HDMI DVD IN EDID WP.	
Q511	2SC4081 (R,S)	Control for HDMI VIDEO-2 IN EDID WP.	

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CIRCUIT DESCRIPTION

● MN101EF16K1CLA: MICROPROCESSOR (X08, IC506)

Pin No.	Pin Name	I/O	Description	Logic
1	IPOD_SCL	OUT	Clock for iPod.	
2	IPOD_SDA	OUT	Data for iPod.	
3	CE1	IN	Chip enable	
4	FL_DIN	OUT	Data for FL driver.	
5	FL_CE	OUT	Chip enable for FL driver.	
6	FL_CL	OUT	Clock for FL driver.	
7	EXT_STB	OUT	Strobe for port extension IC.	
8	FL_RST	OUT	Reset for FL driver.	
9	6dB_ATT	OUT	6dB ATT	
10	EXT_CLR	OUT	Clear for port extension IC.	
11	MMOD	IN	Memory selector port.	
12	OSC2	OUT	Clock input port.	
13	OSC1	IN	Clock output port.	
14	Vss	-	Power supply.	
15	XI	IN	Clock input port.	NO USED
16	XO	OUT	Clock output port.	NO USED
17	Vdd33	-	Microprocessor power supply port	
18	Vdd18	-	Microcomputer power supply port	
19	RESET	IN	Reset port.	
20	NC	OUT	NC	
21	TEST_PROTECT	OUT	Test Mode Protection	
22	TH_DET	IN	Thermal sensor detection	
23	HDMI_RDY	IN	Ready for HDMI microprocessor.	
24	HDMI_RST	OUT	Reset for HDMI microprocessor.	
25	REMOCON	IN	Remote control input (Interrupt)	
26	RDS_CLK	IN	RDS clock input (Interrupt)	
27	RDS_DATA	IN	RDS data input	
28	CEC_IN1	IN	for CEC	
29	CEC_OUT	OUT	for CEC	
30	CEC_IN2	IN	for CEC	
31	IPOD_RXD	OUT	iPod RXD (UART)	
32	IPOD_TXD	IN	iPod TXD (UART)	
33	IPOD_RST	OUT	Rest for iPod.	
34	HDMI_DIN	OUT	Data-in for HDMI microprocessor.	
35	HDMI_DOUT	IN	Data-out for HDMI microprocessor.	
36	HDMI_CLK	OUT	Clock for HDMI microprocessor.	
37	Vdd18	-	Internal power supply port.	
38	A_MUTE	OUT	Audio Mute	
39	Vss	-	Power supply port.	
40	REC_MUTE	OUT	Rec-out Mute	

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CIRCUIT DESCRIPTION

Pin No.	Pin Name	I/O	Description	Logic
41	FAN_CONT	OUT	FAN control	
42	AMP_PROT	IN	AMP protection	
43	AVR_PROT	IN	AVR protection	
44	SY_DET	IN	Y signal for S-VIDEO detection	
45	CY_DET	IN	Y signal for Component detection	
46	EXT_DATA	OUT	Data for port extension IC.	
47	EXT_CLK	OUT	Clock for port extension IC.	
48	IPOD_FAULT	OUT	Fault for iPod +5V.	
49	IPOD_EN	OUT	Enable for iPod +5V.	
50	IPOD_DET	IN	iPod detection	
51	MIC_DET	IN	Microphone detection	
52	MIC_CONT	OUT	Microphone control	
53	VOL_ENC_A	IN	VOLUME encoder A	
54	VOL_ENC_B	IN	VOLUME encoder B	
55	HP_DET	IN	Headphone detection.	
56	TUNER_POWER	IN	Tuner power.	
57	SD	IN	Tuner signal detection.	
58	NC	OUT	NC	
59	PLL_DO	IN	Tuner PLL IC data output port.	
60	PLL_CLK	OUT	Tuner PLL IC clock port.	
61	PLL_DIN	OUT	Tuner PLL IC data input port.	
62	PLL_CE	OUT	Tuner PLL IC chip enable port.	
63	Vss	-	Power supply port.	
64	VOL_SEL_DATA	OUT	Data for volume IC.	
65	VOL_SEL_CLK	OUT	Clock for volume IC.	
66	V_MUTE	OUT	VIDEO mute output port.	
67	DIMMER	OUT	LED DIMMER output port.	
68	LED 8 (HDMI READY 2)	OUT	HDMI READY LED 2	
69	LED 1 (STANDBY)	OUT	STANDBY LED	
70	DSP_READY	IN	Ready for DSP microprocessor.	
71	DSP_RST	OUT	Reset for DSP microprocessor.	
72	DSP_DIN	OUT	Data-in for DSP microprocessor.	
73	DSP_DOUT	IN	Data-out for DSP microprocessor.	
74	DSP_CLK	OUT	Clock for DSP microprocessor.	
75	EEPROM DATA	IN/OUT	EEPROM data interface port.	
76	EEPROM CLK	OUT	EEPROM clock output port.	
77	S.DATA	IN/OUT	System synchro (SL16) data interface port.	
78	S.BUSY	IN/OUT	System synchro (SL16) busy interface port.	
79	V_CONV_RST	OUT	Video up-convert IC RESET	
80	V_CONV_SCL	OUT	Video up-convert IC CLOCK	
81	V_CONV_SDA	IN/OUT	Video up-convert IC DATA	

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CIRCUIT DESCRIPTION

Pin No.	Pin Name	I/O	Description	Logic
82	ENC_C2	IN	LISTEN MODE encoder input 2	
83	ENC_C1	IN	LISTEN MODE encoder input 1	
84	POWER_RLY	OUT	Power relay.	
85	ENC_A2	IN	MULTI CONTROL encoder INPUT A	
86	ENC_A1	IN	MULTI CONTROL encoder INPUT B	
87	IPOD_READY	IN	Ready for iPod.	
88	ENC_B1	IN	SELECTOR encoder input A	
89	Vdd5	-	Power supply	
90	ENC_B2	IN	SELECTOR encoder input B	
91	Vss	-	Power supply.	
92	KEY_1	IN	KEY A/D 1	
93	KEY_2	IN	KEY A/D 2	
94	FAN LEVEL	IN	FAN level	
95	DIST	IN	model type.	H: 9, M: 8, L: 7
96	TH_D2	IN	Thermal sensor detection Diode Stack for iPod.	
97	DET_S	IN	Signal level detection Surround	
98	TUNER_TYPE	IN	Tuner type	L: E, H: J
99	S-LEVEL	IN	RDS signal level detection	
100	Vref+	-	Power supply for A/D converter.	

KEY MATRIX

KEY

SW #	Key 1 (#92 port)	Key 2 (#93)	Voltage	HEX
1	POWER	BAND	0.00	0
2	SPEAKER A/B	AV AUX/iPod	0.53	26
3	MULTI UP	STRAIGHT DECODE	1.00	48
4	MULTI DOWN	AUTO/MONO	1.48	6B
5	SETUP	INPUT MODE	1.97	8F
6	ENTER	ACTIVE EQ	2.5	B5
7	DOLBY VIRTUAL	PURE AUDIO MODE	2.98	D9
Off	-	-	3.50	FF

LED

Name	Color	Remarks
STANDBY	RED	-
DOLBY DIGITAL	WHITE	-
DTS	WHITE	-
STRAIGHT DECODE	WHITE	-
HIGH DEFINITION	WHITE	-
HDMI LINK READY	BLUE/WHITE	READY: BLUE
PURE AUDIO MODE	WHITE	-

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CIRCUIT DESCRIPTION

LED ON/OFF PERIOD

Function	Description
POWER AMP PROTECTION	1Hz (500ms on, 500ms off)
POWER SUPPLY PROTECTION	2Hz (250ms on, 250ms off)
THERMAL PROTECTION	4Hz (125ms on, 125ms off)
iPod OVER CURRENT	0.5Hz (1000ms on, 1000ms off)

Thermal Sensor Port

Port	Detection (V)
96 TH_D2 (for iPod)	1.4V
97 DET_S (Surround)	1.4V

Thermal Sensor Port

Port	Detection
22 TH_DET	High

TUNER AREA & MODEL

MODEL

Model	DIST (port # 95)	HEX
KRF-V9300D	3.5V	0xFF
KRF-V8300D	1.75V	0x80
KRF-V7300D	0V	0x00

TUNER AREA

Model	TUNER_TYPE (port # 98)
Japan Model	VDD
Other Area	0V

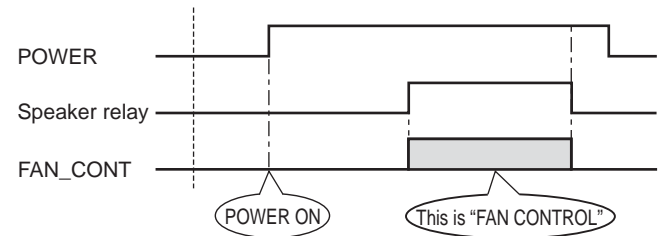
DISPLAY REFRESH FUNCTION

Timing	Description
Turn Power-on	Setting of Driver reset, Digit, Duty, Segment and Dimmer by the internal program.
In Power-on	Transaction of display data and setting data by main routine program.

FAN CONTROL

Port # (41)	POWER OFF	SPEAKER relay off	SPEAKER relay-on (STEREO)	SPEAKER relay-on (SURROUND)
HIGH	-	-	Over 0.232V *	Over 0.207V *
LOW	○	○	Under 0.232V *	Under 0.207V *

* Voltage detection port is #94 (FAN_LEVEL)



TAP SWITCHING

Mode	Port # (26) *
STEREO	HIGH
Out of STEREO	LOW
SELECTOR: DVD/6CH & INPUT MODE: ANALOG	HIGH
TEST TONE	HIGH

* This port is extension IC NJU3718A.

LIMITER CONTROL

Detection port is pin # 97 (DET_S).

Control signal output from pin # 20 of extension IC (NJU3718A) will come Low level.

Limiter works if port (#97) has over 1.5V and more 5 seconds continuously.

In STEREO and SPEAKER-OFF modes, limiter does not work.

In Surround mode, limiter does not work on Front channel, included Center channel.

Mode	Limiter detection
STEREO	No
SPEAKER OFF	No
SURROUND	Yes
6CH INPUT	Yes

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CIRCUIT DESCRIPTION

● NJU3718A EXTENSION (X08, IC507)

Pin No.	Pin Name	I/O	Description	Logic
1	C_RLY	O	The center-ch relay.	
2	SL/SR_RLY	O	The surround L-ch and R-ch relay.	
3	SBL/SBR_RLY	O	The surround back L-ch and R-ch relay.	
4	LED 2 (STRAIGHT)	O	STRAIGHT decode LED.	
5	LED 3 (DOLBY)	O	DOLBY LED.	
6	LED 4 (DTS)	O	DTS LED.	
7	LED 5 (PURE MODE)	O	PURE MODE LED.	
8	LED 6 (HD)	O	HIGH DEFINITION LED.	
9	LED 7 (HDMI READY 1)	O	HDMI READY 1 LED.	
10	VSS		GND	
11	NC	-	Not use.	
12	V_CTRL1	O	VIDEO CONTROL 1	
13	V_CTRL2	O	VIDEO CONTROL 2	
14	V_CTRL3	O	VIDEO CONTROL 3	
15	SO	-	Not use.	
16	DATA	-	Not use.	
17	CLK	-	Not use.	
18	STB	-	Not use.	
19	CLK	-	Not use.	
20	LIMITTER	O	Limiter.	
21	V_CNTL4	O	VIDEO CONTROL 4	
22	VSS		GND	
23	NC	-	Not use.	
24	V_CNTL5	O	VIDEO CONTROL 5	
25	PURE	O	PURE AUDIO mode video on/off).	
26	TAP_CTRL	O	TAP control.	
27	HP_RLY	O	HEADPHONE relay.	
28	L/R_A_RLY	O	Speaker A relay of L-ch and R-ch.	
29	L/R_B_RLY	O	Speaker B relay of L-ch and R-ch.	
30	VDD	-	Power supply.	

● ML86V7668A: VIDEO DECODER (X08, IC801)

Pin No.	Pin Name	I/O	Description	Logic
1	AVDD	-	Analog power supply.	3.3V
2	REFN1	O	ADC1 reference voltage.	open
3	CM1	O	ADC1 reference voltage.	open
4	REFP1	O	ADC1 reference voltage.	open
5	AGND	-	Analog GND.	
6	LPFOUT1	O	Analog amp output-1.	open

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CIRCUIT DESCRIPTION

Pin No.	Pin Name	I/O	Description	Logic
7	AVDD	-	Analog power supply.	3.3V
8	VIN1	I	Analog video signal input port-1.	composite
9	AGND	-	Analog GND.	
10~12	VIN2~4	I	Analog video signal input port-2.	composite or luminance
13	AVDD	-	Analog power supply.	3.3V
14~16	VIN5~7	I	Analog video signal input port-5 to 7.	color-difference signal
17	AGND	-	Analog GND.	
18	LPFOUT2	O	Analog amp output-2.	open
19	AVDD	-	Analog power supply.	3.3V
20	REFP2	O	ADC2 reference voltage.	open
21	CM2	O	ADC2 reference voltage.	open
22	REFN2	O	ADC2 reference voltage.	open
23	AGND	-	Analog GND.	
24	ADVDD	-	Digital power supply for analog circuit.	3.3V
25	ADGND	-	Digital GND for analog circuit.	
26	DVDDCO	-	Digital core power supply.	2.5V
27	DGNDCO	-	Digital core GND.	
28	SLEEP	I	Sleep signal input port.	
29	RESET_L	I	Reset signal input port.	
30~33	MODE [3] ~ [0]	I	Mode setting port-3 to 0.	
34	DVDDIO	-	Digital I/O power supply.	3.3V
35	DGNDIO	-	Digital I/O GND.	
36~38	INS [2] ~ [0]	I	Input signal selector port-2 to 0.	
39~42	GAINS [3] ~ [0]	I	Analog amp gain setting port-3 to 0.	
43	INSSEL	I	Setting port for input signal selector.	
44	PLLSEL	I	Setting port for PLL clock.	
45	DVDDCO	-	Digital core power supply.	2.5V
46	CLKX2	I	External clock signal input port.	
47	DGNDCO	-	Digital core GND.	
48	HSYNC_L	O	Horizontal synchronizing signal output port.	
49	VSYNC_L	O	Vertical synchronizing signal output port.	
50	DVDDIO	-	Digital I/O power supply.	3.3V
51	DGNDIO	-	Digital I/O GND.	
52~59	C [0] ~ [7]	O	Color-difference signal output port-0 to 7.	[0]; LSB, [7]; MSB
60	DGNDCO	-	Digital core GND.	
61	CLKX2O	O	System clock output port.	
62	CLKXO	O	Pixel clock output port.	
63	DGNDCO	-	Digital core GND.	
64~71	Y [0] ~ [7]	O	Luminance signal output port-0 to 7.	[0]; LSB, [7]; MSB
72	SAS	I	Setting for slave address.	
73	SCL	I	IIC bus clock input port.	

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CIRCUIT DESCRIPTION

Pin No.	Pin Name	I/O	Description	Logic
74	SDA	I/O	IIC bus data I/O port.	
75	DVDDIO	-	Digital I/O power supply.	3.3V
76	DGNDIO	-	Digital I/O GND.	
77,78	STATUS6,5	O	Status-6,5 output ports..	
79	DVDDCO	-	Digital core power supply.	2.5V
80	DNGDCO	-	Digital core GND.	
81~84	STATUS4~1	O	Status-4 to 1 output ports.	
85	SCAN	I	Test port.	open
86	DVDDCO	-	Digital core power supply.	2.5V
87	DGNDCO	-	Digital core GND.	
88	PGND	-	PLL GND.	
89	LPF	I	Connecting port for LPF.	
90	VREF	O	Center frequency setting port of PLL.	
91	PVDD	-	PLL power supply.	3.3V
92~98	TEST [6] ~ [0]	I	Test port.	open
99	DVDDIO	-	Digital I/O power supply.	3.3V
100	DGNDIO	-	Digital I/O GND.	

● ML86V7656T03: VIDEO ENCODER (X08, IC802)

Pin No.	Pin Name	I/O	Description	Logic
1	NC	-	No use.	
2	DVDD1	-	Digital I/O power supply.	3.3V
3	SDA	I/O	IIC bus data I/O port.	
4	SCL	I	IIC bus clock input port.	
5	SLA	I	Setting for slave address.	LSB
6	MS	I	Master/Slave selector port.	H: Master, L: Slave
8	DVDD2	-	Digital core power supply.	2.5V
9	IMOD0	I	Input mode control port-0.	
10	IMOD1	I	Input mode control port-1.	
11	IMOD2	I	Input mode control port-2.	
12	IPAL	I	PAL/NTSC selector port.	H: PAL, L: NTSC
13	IRGB	I	RGB/Y Cb Cr selector port.	H: RGB, L: YCbCr
14	IPRG	I	Progressive/Interlace selector port.	H: Progressive, L: Interlace
15	1444	I	4:2:2/4:4:4 selector port.	H: 4:4:4, L: 4:2:2
16	ORGB	I	RGB/Y Cb Cr output port.	
17	OPRG	I	Progressive/Interlace output port.	
18	RESET_L	I	System reset.	L: Reset
19~23	TEST0~4	I	Test mode control port-0 to 4.	GND
24	CLKX2	I	System clock input port.	

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CIRCUIT DESCRIPTION

Pin No.	Pin Name	I/O	Description	Logic
25	DGND2	-	Digital core GND.	
26	DVDD2	-	Digital core power supply.	2.5V
27	OCLKX1	O	Half clock of CLKX2.output port.	
28	VSYNC_L	I/O	Vertical synchronizing signal I/O port.	Master: out, Slave: in
29	HSYNC_L	I/O	Horizontal synchronizing signal I/O port.	Master: out, Slave: in
30	BLANK_L	I/O	Blanking signal I/O port.	Master: out, Slave: in
31~33	YD9~7	I	Video signal input ports. Luminance Y & G.	
34	DVDD1	-	Digital I/O power supply.	2.5V
35~41	YD6~0	I	Video signal input ports. Luminance Y & G.	
42	DGND1	-	Digital I/O GND.	
43~49	CD9~3	I	Video signal input ports. Color-difference C/Cr & R.	
50	DGND2	-	Digital core GND.	
51	DVDD2	-	Digital core power supply.	2.5V
52~54	CD2~0	I	Video signal input ports. Color-difference C/Cr & R.	
55	TEST5	I/O	Test port.	
56~65	BD9~0	I/O	Video signal input ports. Color-difference Cb & B.	
66	DVDD2	-	Digital core power supply.	2.5V
67	DGND2	-	Digital core GND.	
68	OVSYNC	O	Component vertical synchronizing signal output port.	
69	OCSYNC/OHSYNC	O	Composite synchronizing signal/Component horizontal synchronizing signal output port.	
70	OLB	I	Overlay text color, Blue input port.	GND
71	OLG	I	Overlay text color, Green input port.	GND
72	OLR	I	Overlay text color, Red input port.	GND
73	OLC	I	Transpire control. 1: Shows overlay signal.	GND
74	STANDBY	I	Standby enable input port.	H: Standby, L: Normal
75	DGND1	-	Digital I/O GND.	
76	DVDD1	-	Digital I/O power supply.	3.3V
77	FOUT	O	Field signal output port.	
78	NC	-	No use.	
79	AGND	-	Analog GND.	
80	Y/G	O	Video signal, Y/G output port.	
81	AVDD	-	Analog power supply.	
82	Cb/B	O	Video signal, Cb/B output port.	
83	AGND	-	Analog GND.	
84	Cr/R	O	Video signal, Cr/R output port.	
85	AVDD	-	Analog power supply.	
86	AGND	-	Analog GND.	
87	XVREF	I/O	Reference voltage I/O port.	
88	FS	I	Full scale adjusting port.	
89	COMP	O	Phase compensation port.	

KRF-V7300D/V8300D/V9300D

CIRCUIT DESCRIPTION / ADJUSTMENT

Pin No.	Pin Name	I/O	Description	Logic
90	AVDD	-	Analog power supply.	
91	CVBS	O	Video signal, Composite output port.	
92	AGND	-	Analog GND.	
93	CS	O	Video signal, separate C output port.	
94	AVDD	-	Analog power supply.	
95	NC	-	No use.	
96	YS	O	Video signal, separate Y output port.	
97	AGND	-	Analog GND.	
98,99	NC	-	No use.	
100	DGND1	-	Digital I/O GND.	

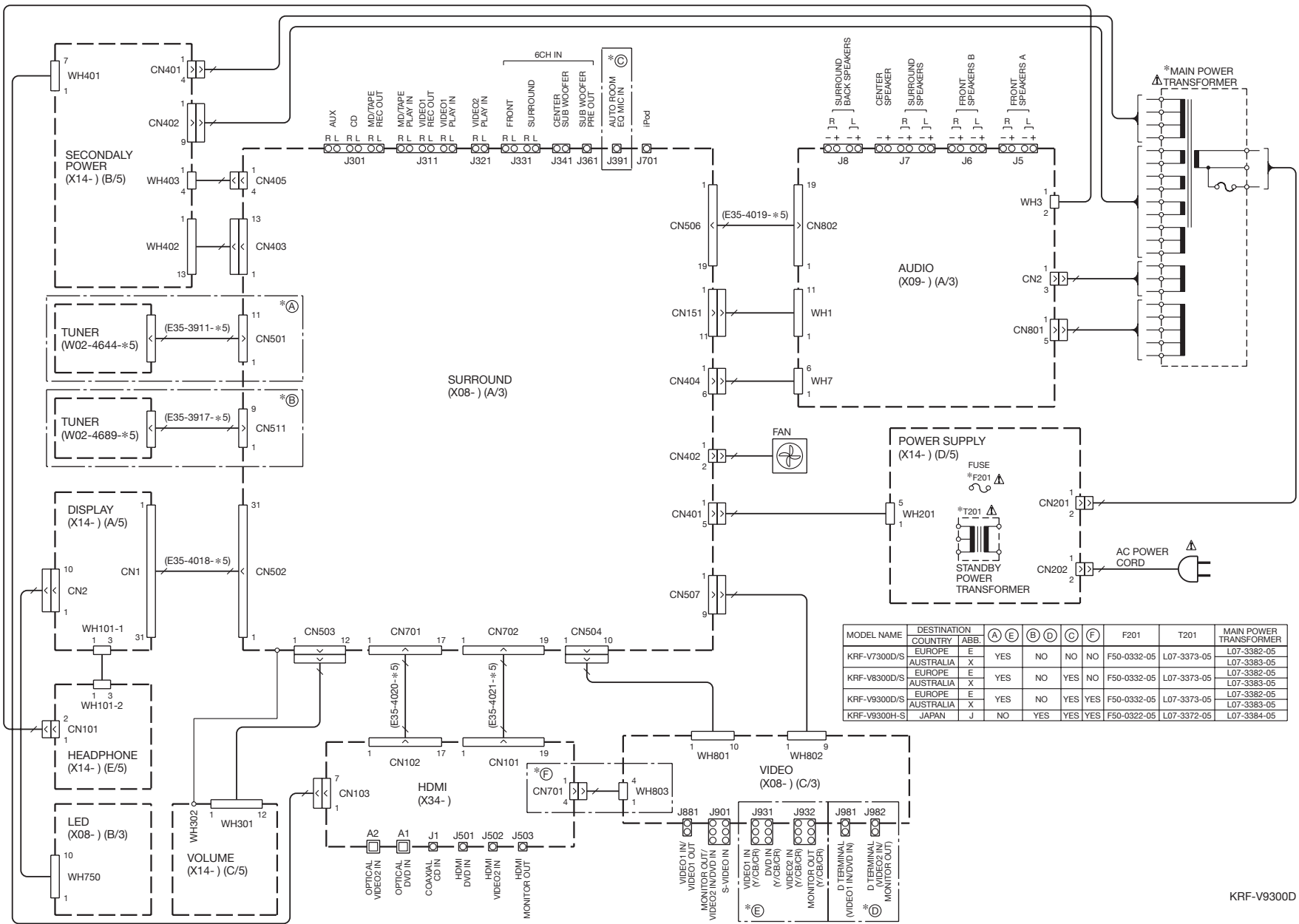
ADJUSTMENT

No.	ITEM	INPUT SETTING	OUTPUT SETTING	RECEIVER SETTING	ALIGNMENT POINT	ALIGNMENT SETTING	FIG.
1	IDLE CURRENT (BIAS CURRENT)	No Signal	Connect VOM to CN7 (L-ch) or CN6 (R-ch) X09-705	VOLUME: Minimum	VR3 (L-ch) VR4 (R-ch) X09-705	17.6mV	
2	OFFSET	No Signal	Speaker terminals	VOLUME: Minimum	VR1 (L-ch) VR2 (R-ch) X09-705	0±20mV	

Adjust every potentiometers 10 minutes later after turning on.

KRF-V7300D/V8300D/V9300D

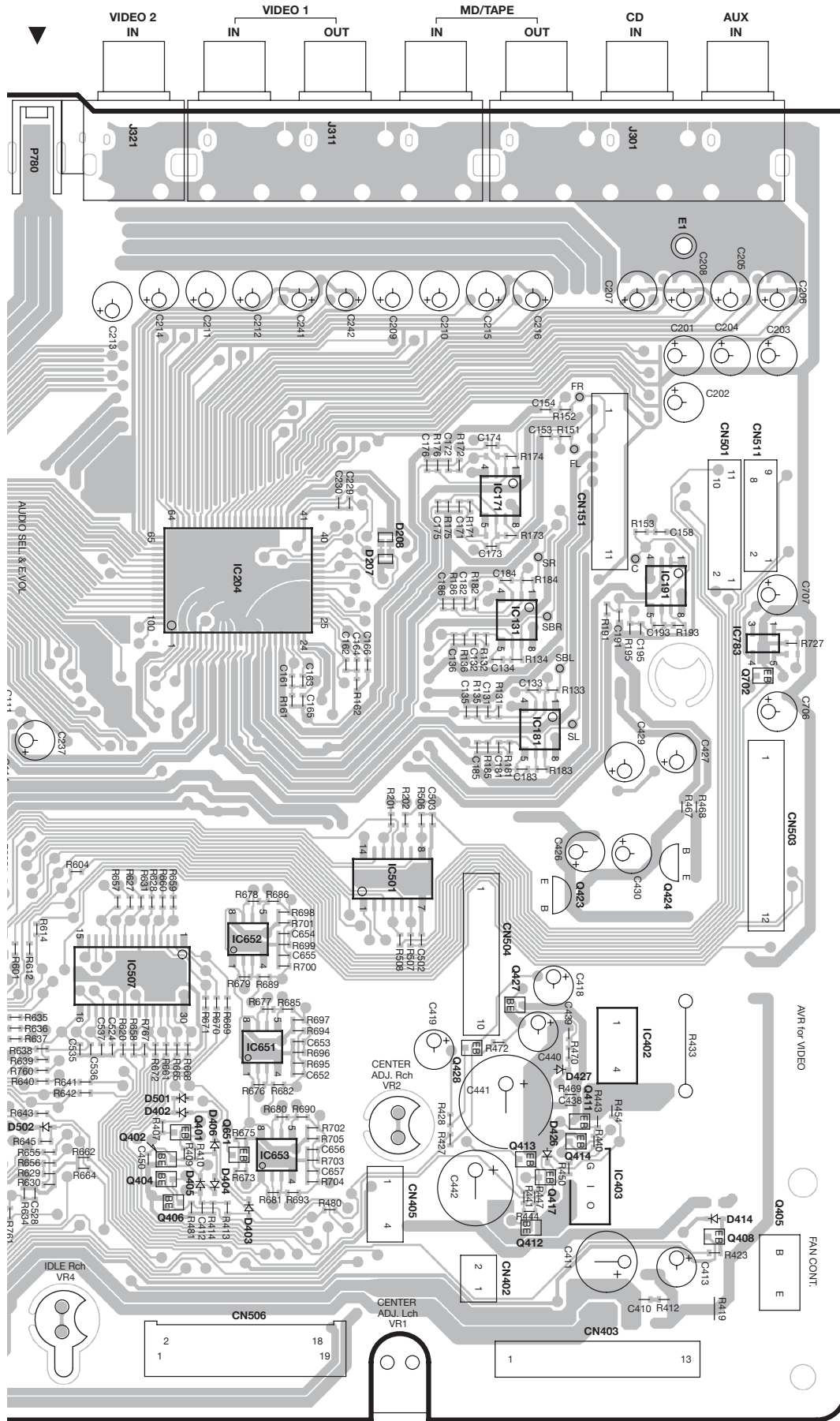
WIRING DIAGRAM



MODEL NAME	DESTINATION COUNTRY	ABB.	(A)	(E)	(B)	(D)	(C)	(F)	F201	T201	MAIN POWER TRANSFORMER
KRF-V7300D/S	EUROPE	E		YES	NO	NO	NO	NO	F50-0332-05	L07-3373-05	L07-3382-05
	AUSTRALIA	X		YES	NO	NO	NO	NO	F50-0332-05	L07-3373-05	L07-3383-05
KRF-V8300D/S	EUROPE	E		YES	NO	YES	NO	NO	F50-0332-05	L07-3373-05	L07-3382-05
	AUSTRALIA	X		YES	NO	YES	NO	NO	F50-0332-05	L07-3373-05	L07-3383-05
KRF-V9300D/S	EUROPE	E		YES	NO	YES	YES	YES	F50-0332-05	L07-3373-05	L07-3382-05
	AUSTRALIA	X		YES	NO	YES	YES	YES	F50-0332-05	L07-3373-05	L07-3383-05
KRF-V9300H-S	JAPAN	J		NO	YES	YES	YES	YES	F50-0332-05	L07-3372-05	L07-3384-05

KRF-V9300D

KRF-V7300D/V8300D/V9300D

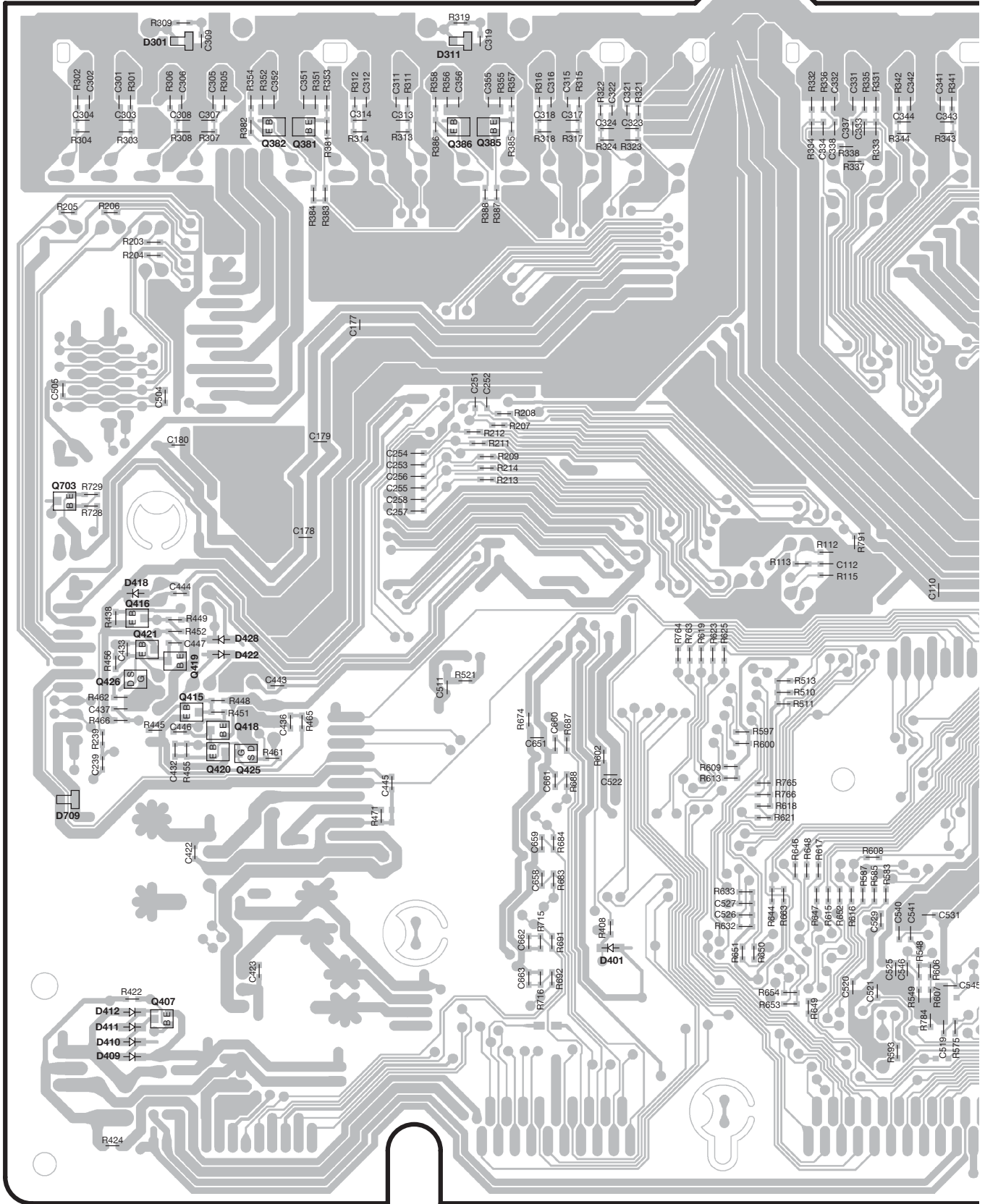


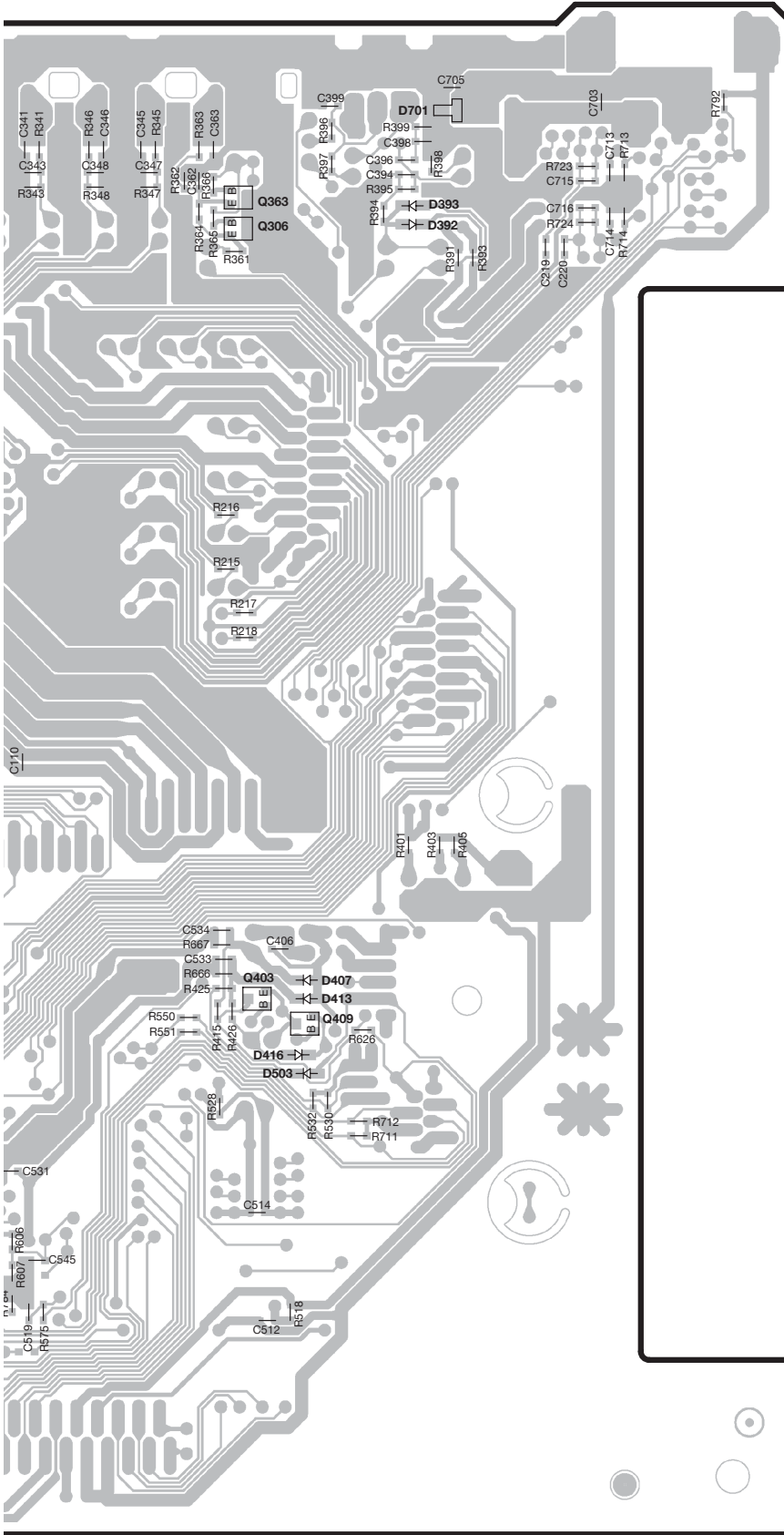
Refer to the schematic diagram for the values of resistors and capacitors.

KRF-V7300D/V8300D/V9300D

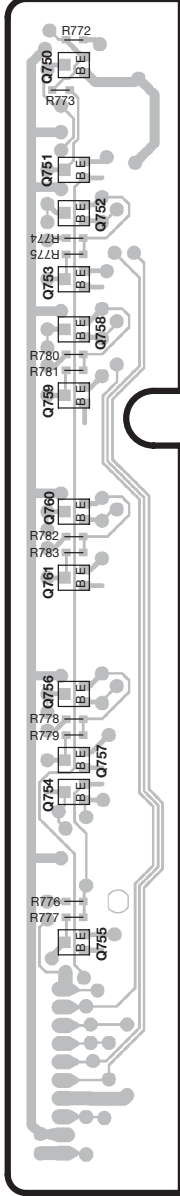
PC BOARD

X08-3502-70 A/3 (J75-0137-11) (SIDE B)

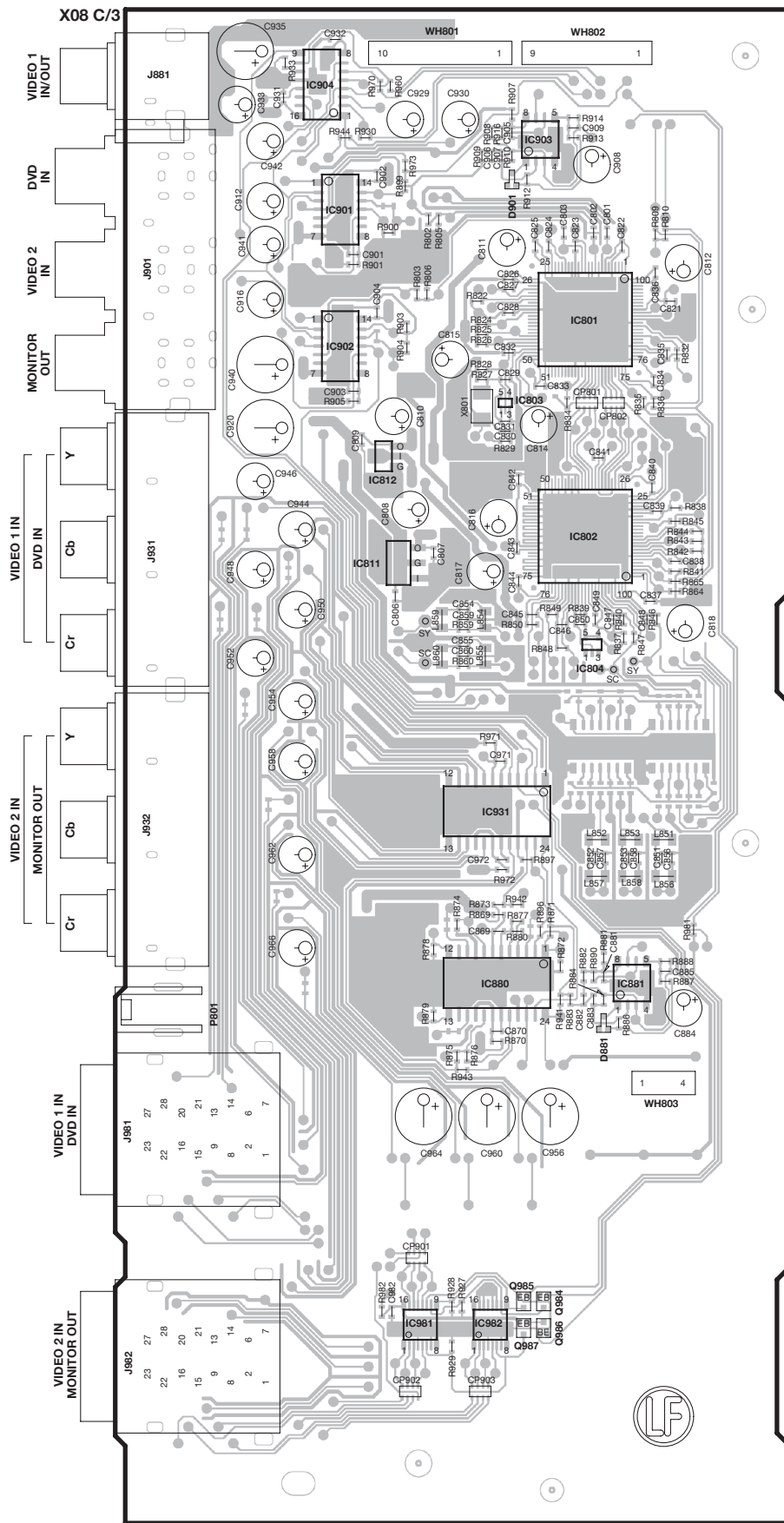




X08 B/3



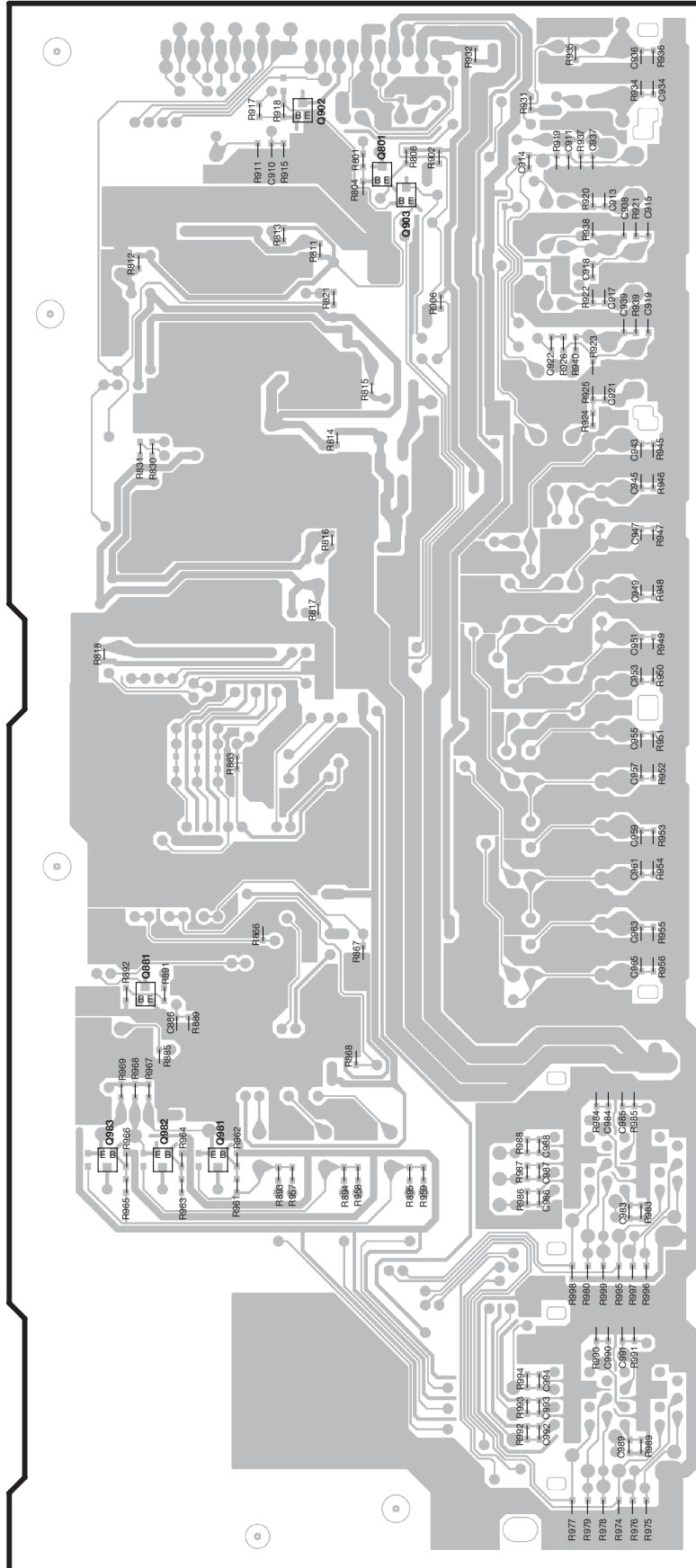
PC BOARD



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

PC BOARD

X08
C/3

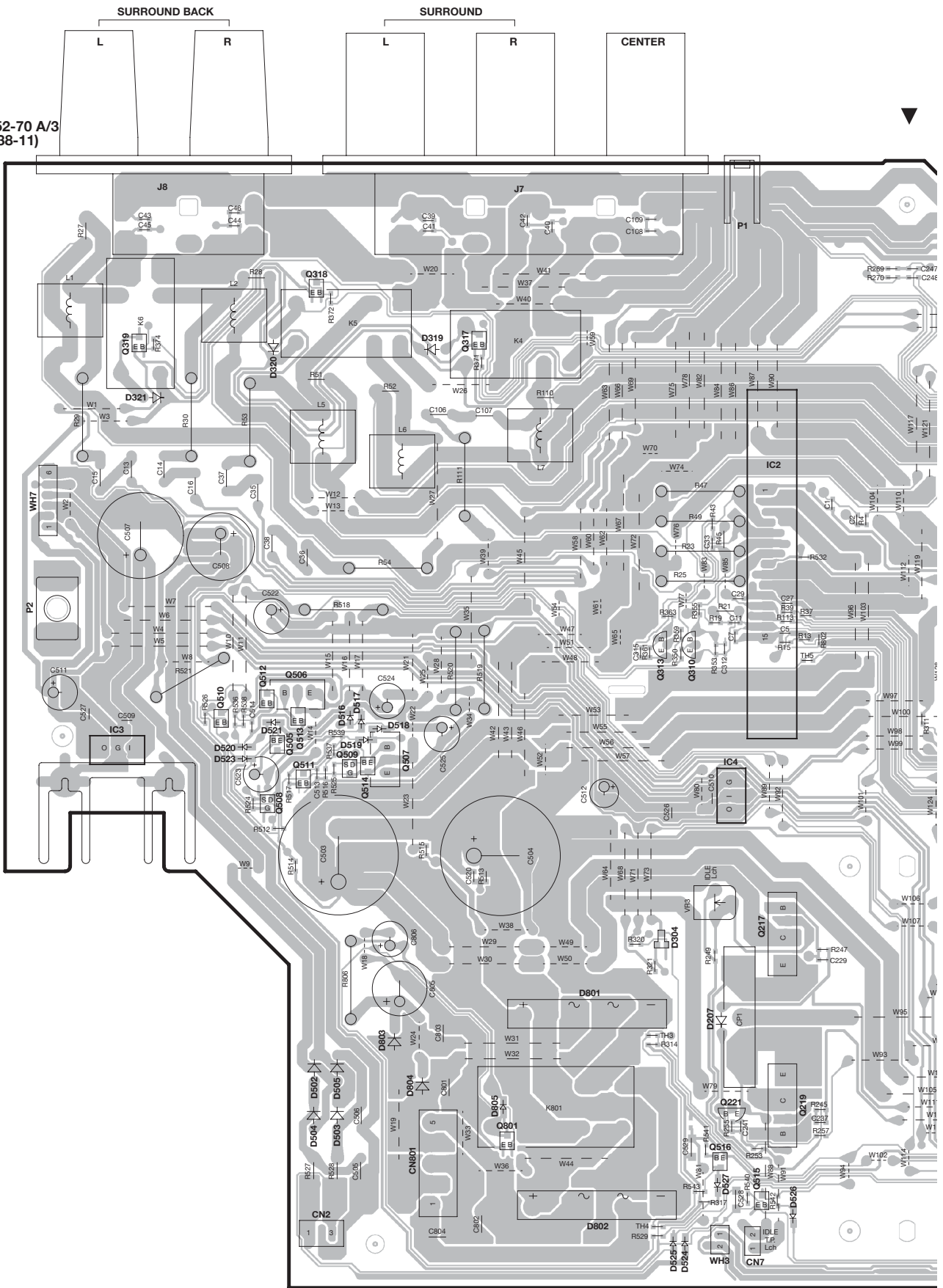


Refer to the schematic diagram for the values of resistors and capacitors.

KRF-V7300D/V8300D/V9300D

PC BOARD

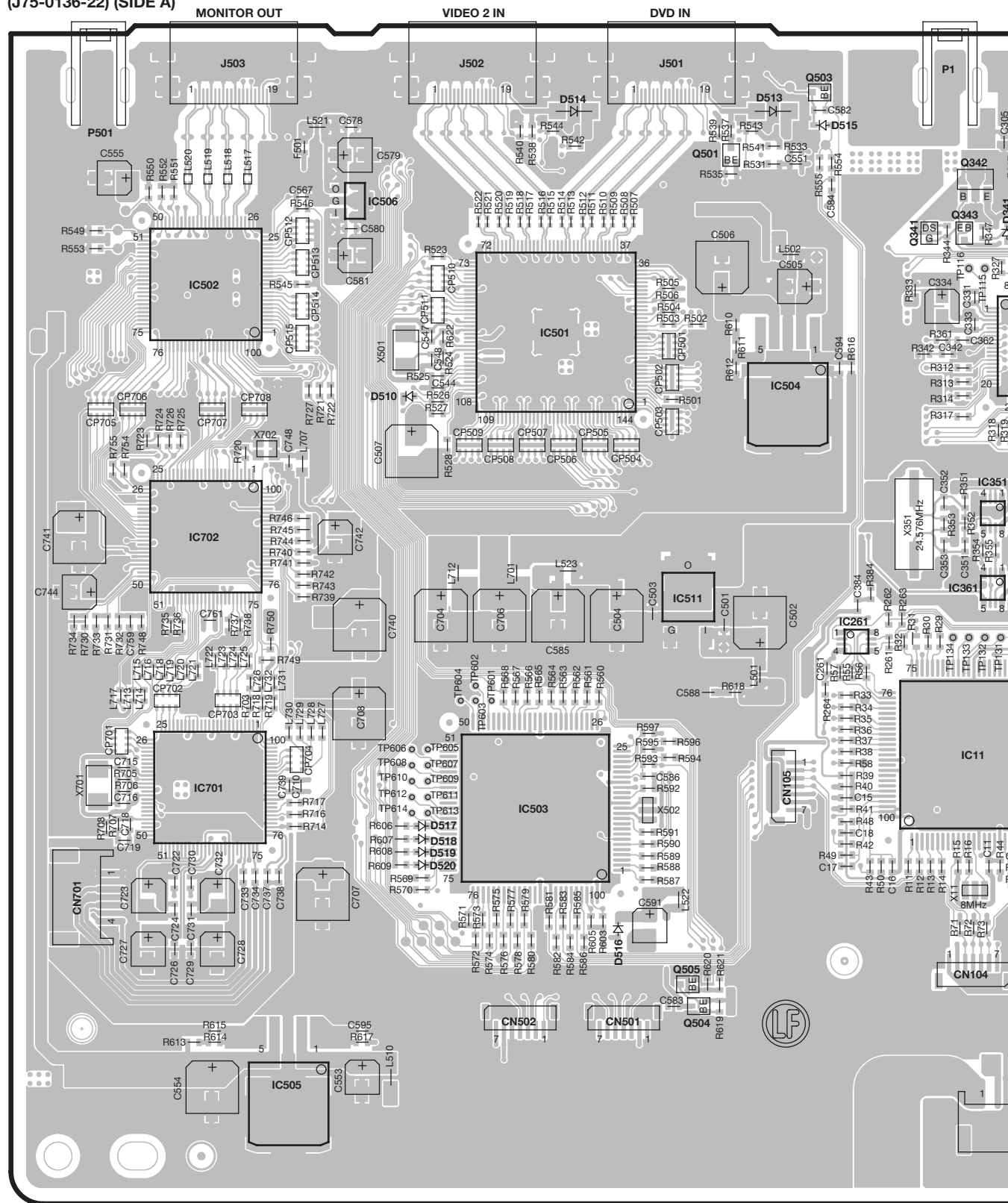
X09-7052-70 A/3
(J75-0138-11)

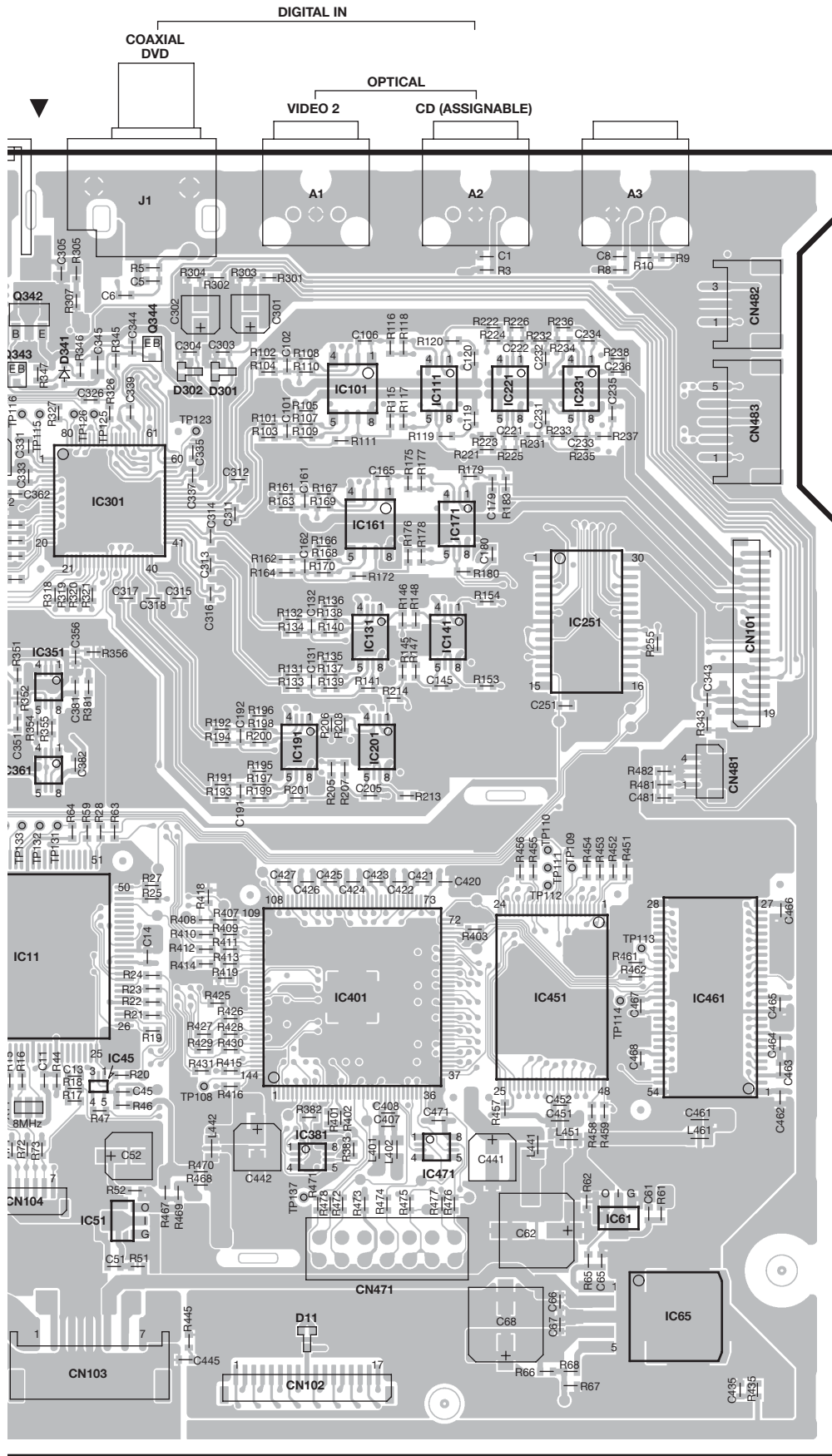


KRF-V7300D/V8300D/V9300D

PC BOARD

X34-1072-70
(J75-0136-22) (SIDE A)



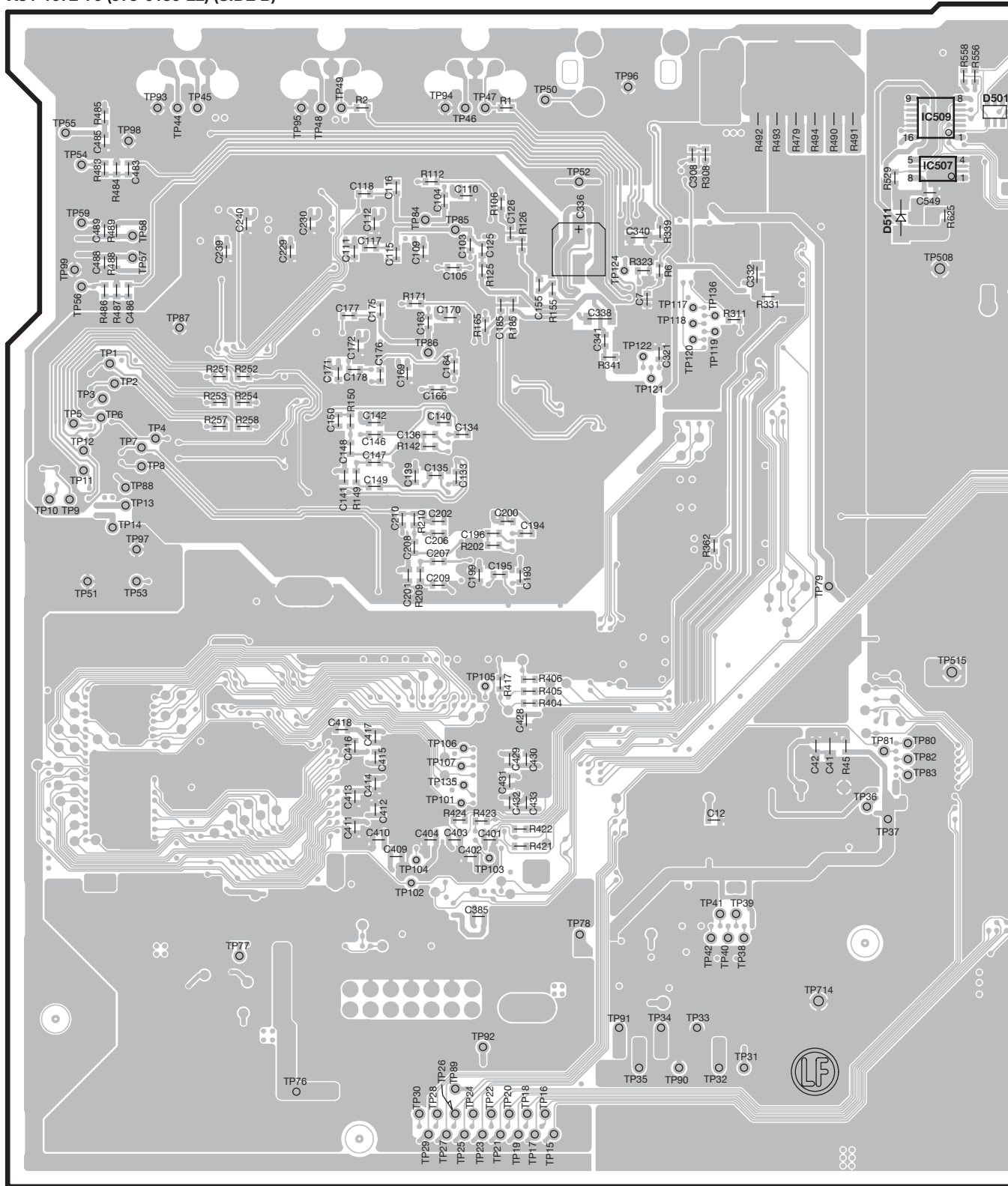


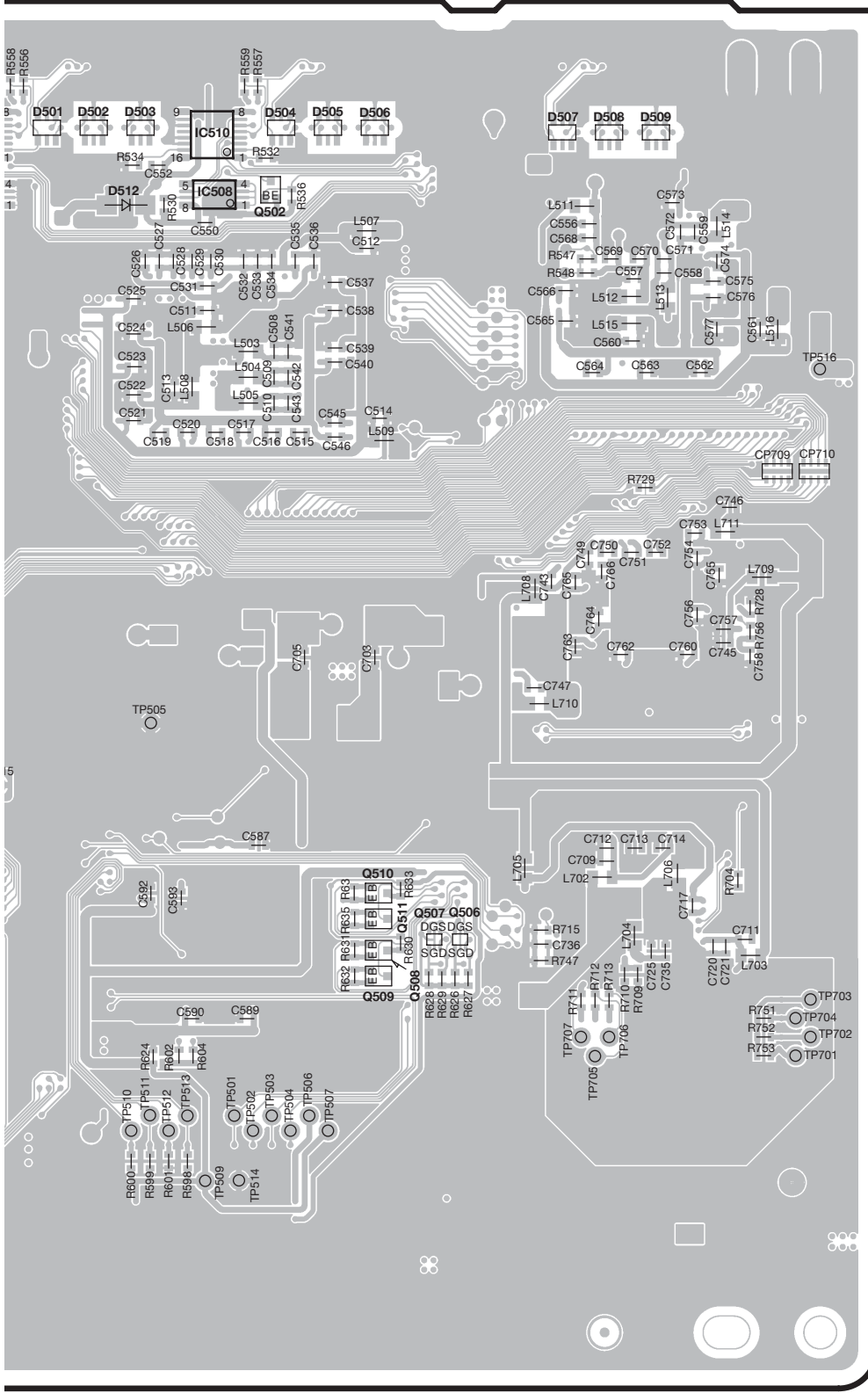
Refer to the schematic diagram for the values of resistors and capacitors.

KRF-V7300D/V8300D/V9300D

PC BOARD

X34-1072-70 (J75-0136-22) (SIDE B)



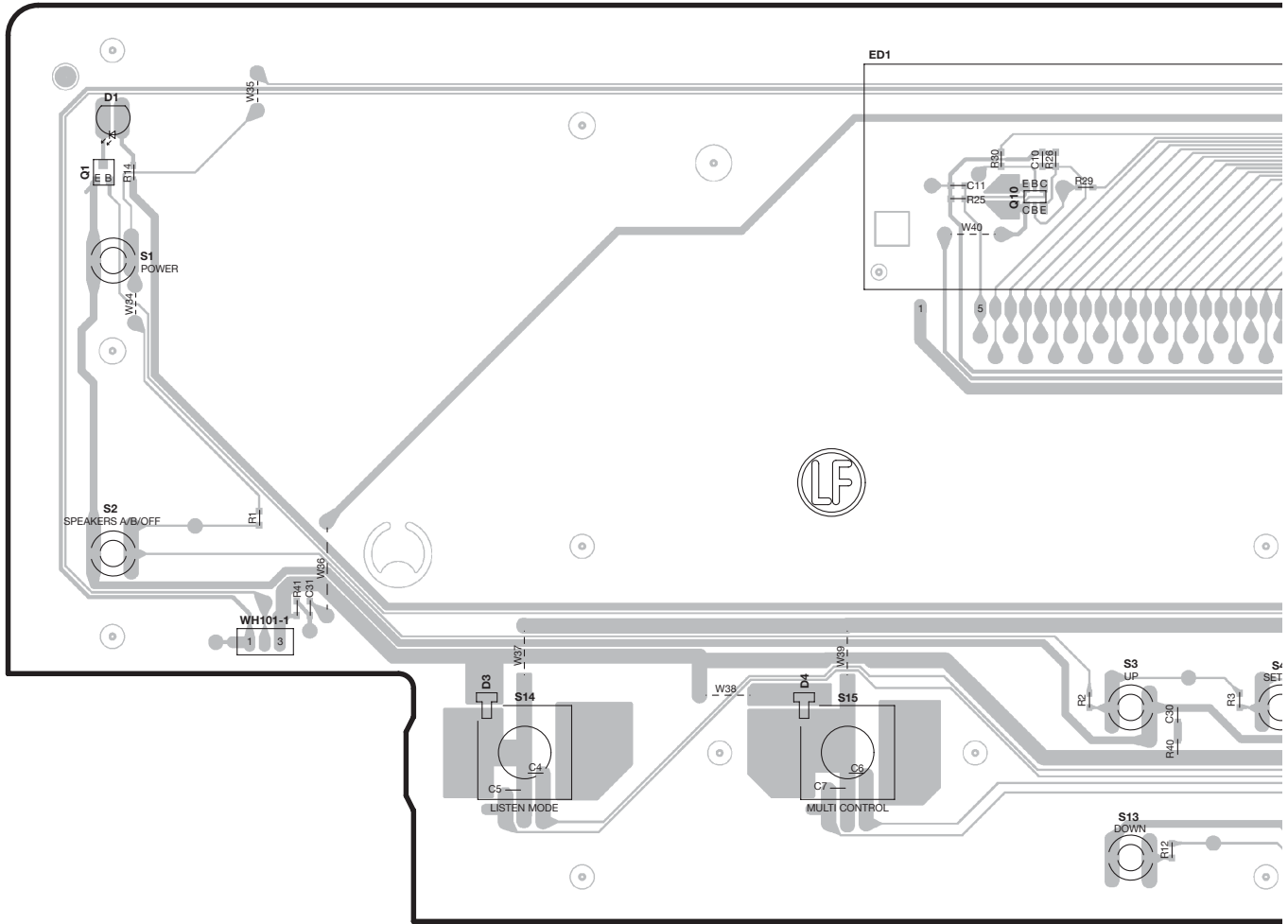


Refer to the schematic diagram for the values of resistors and capacitors.

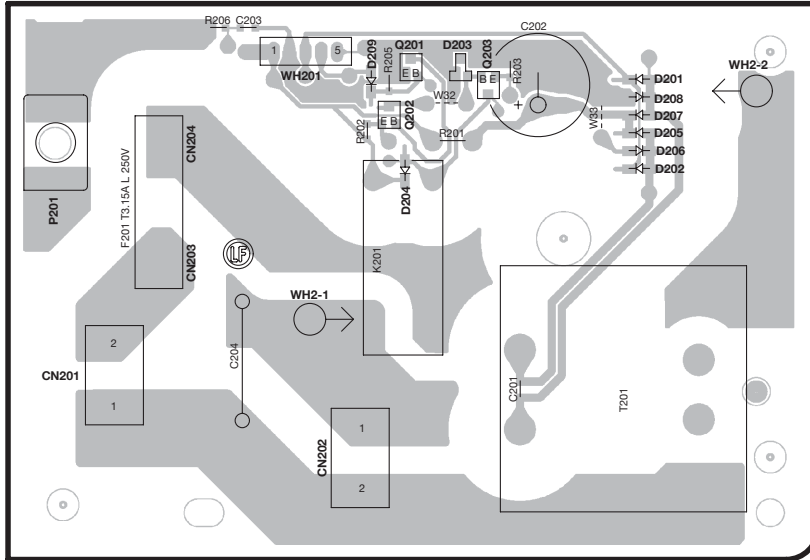
KRF-V7300D/V8300D/V9300D

PC BOARD

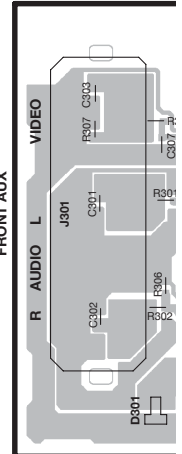
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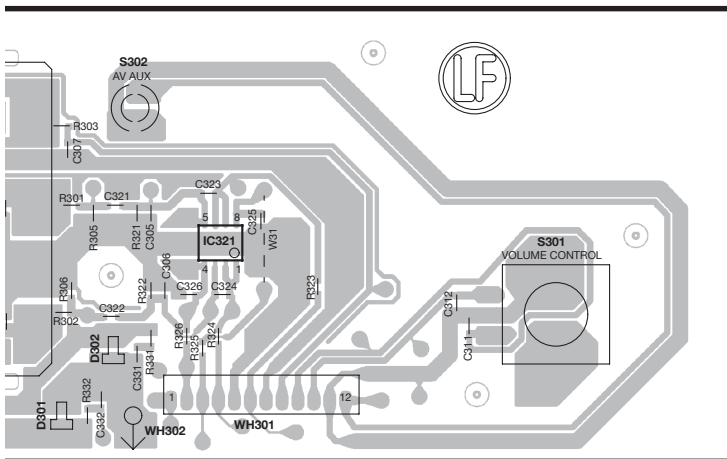
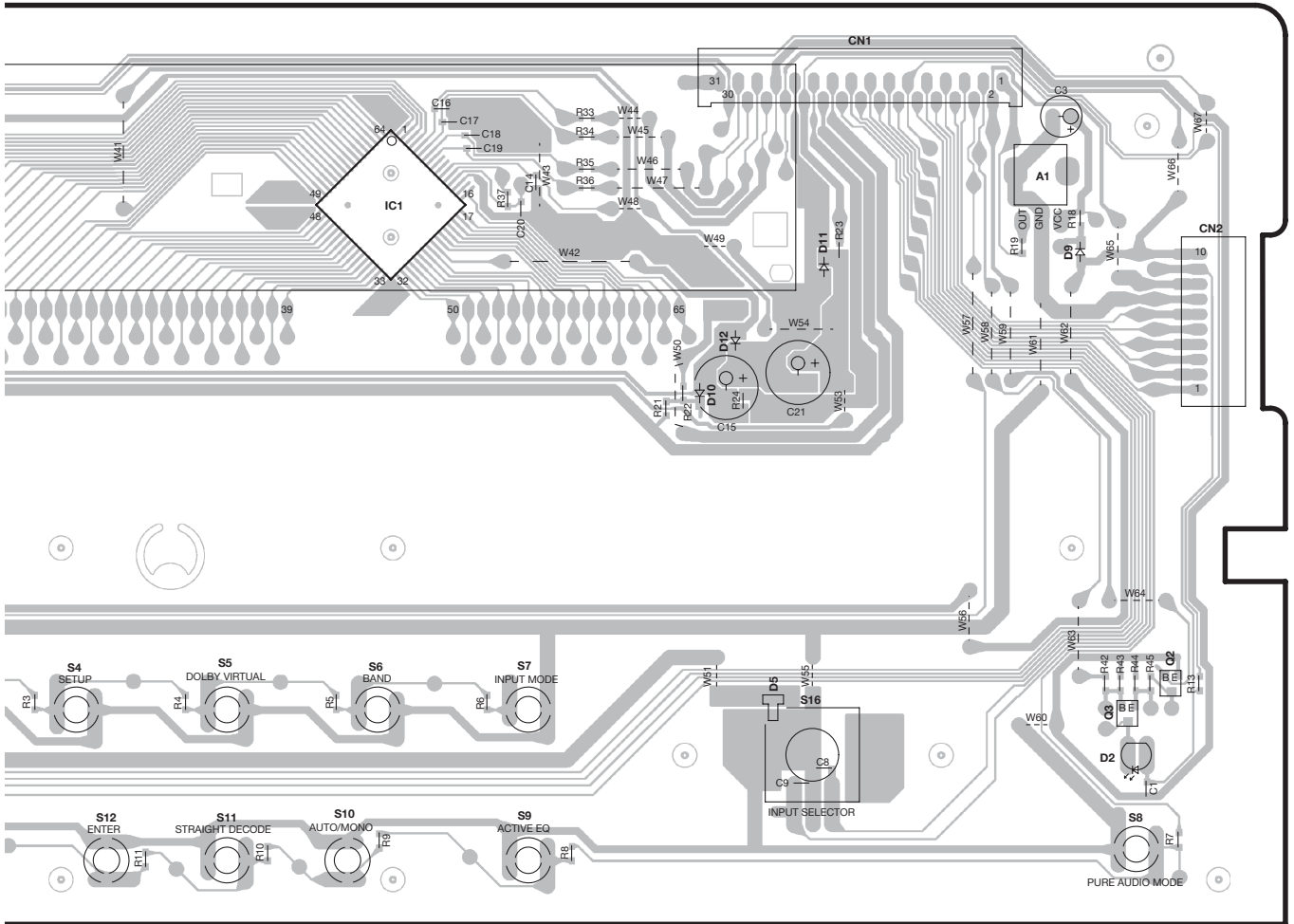


X14 D/5

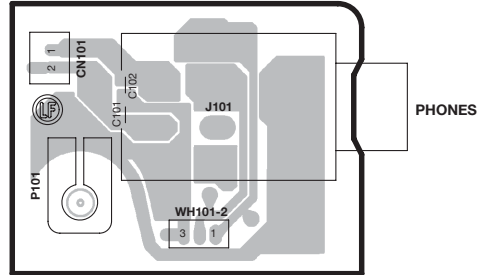


X14 C/5





X14 E/5

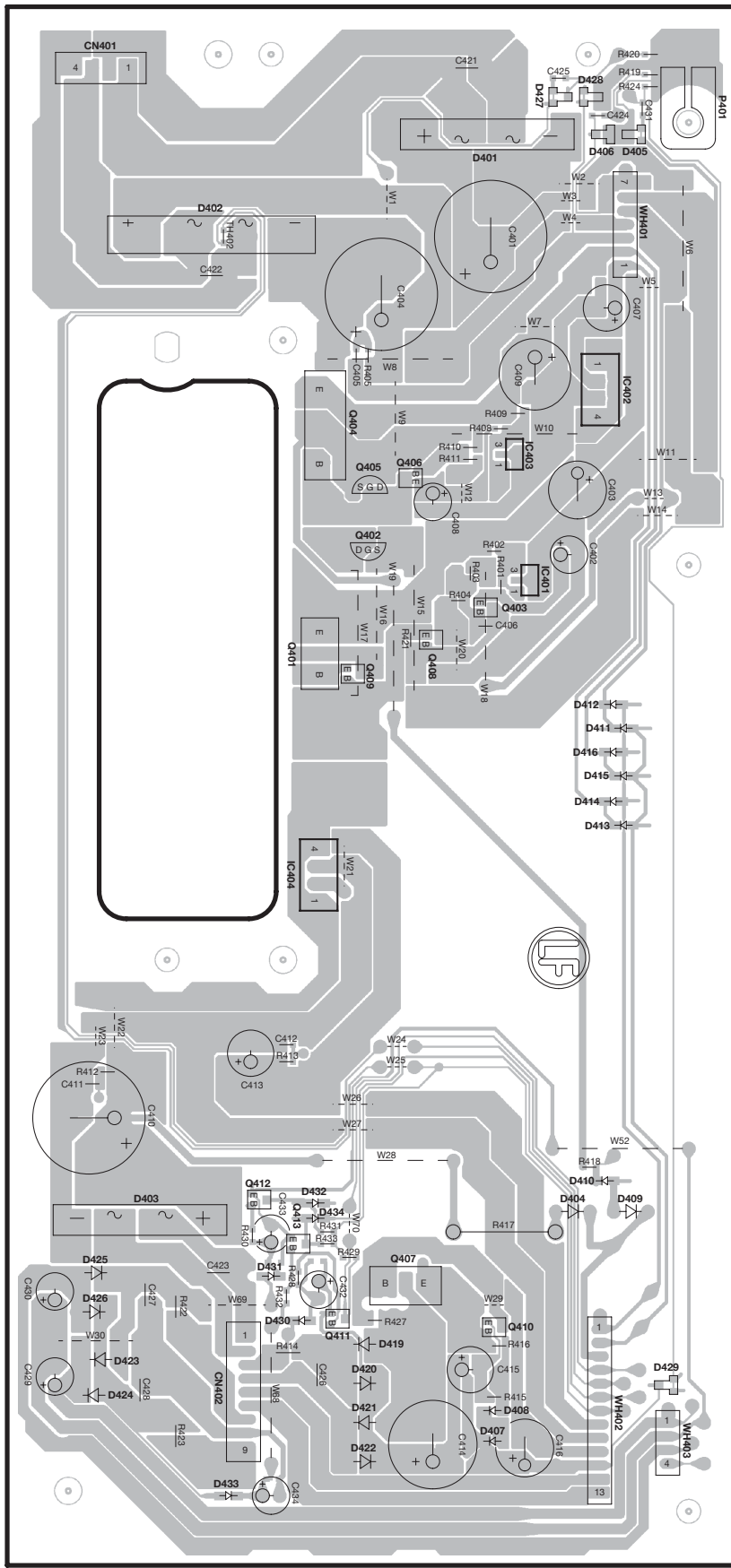


Refer to the schematic diagram for the values of resistors and capacitors.

KRF-V7300D/V8300D/V9300D

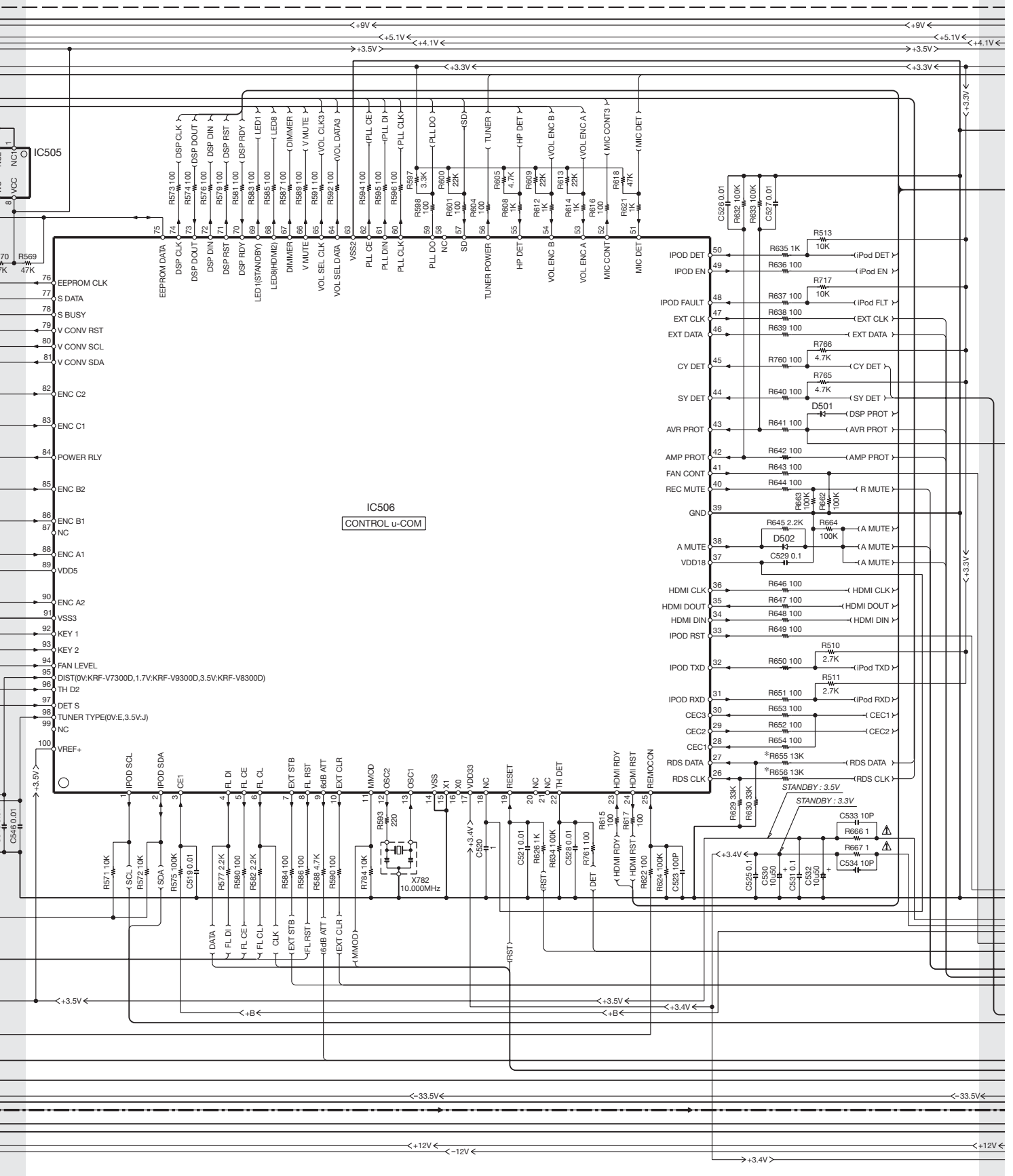
PC BOARD

X14
B/5

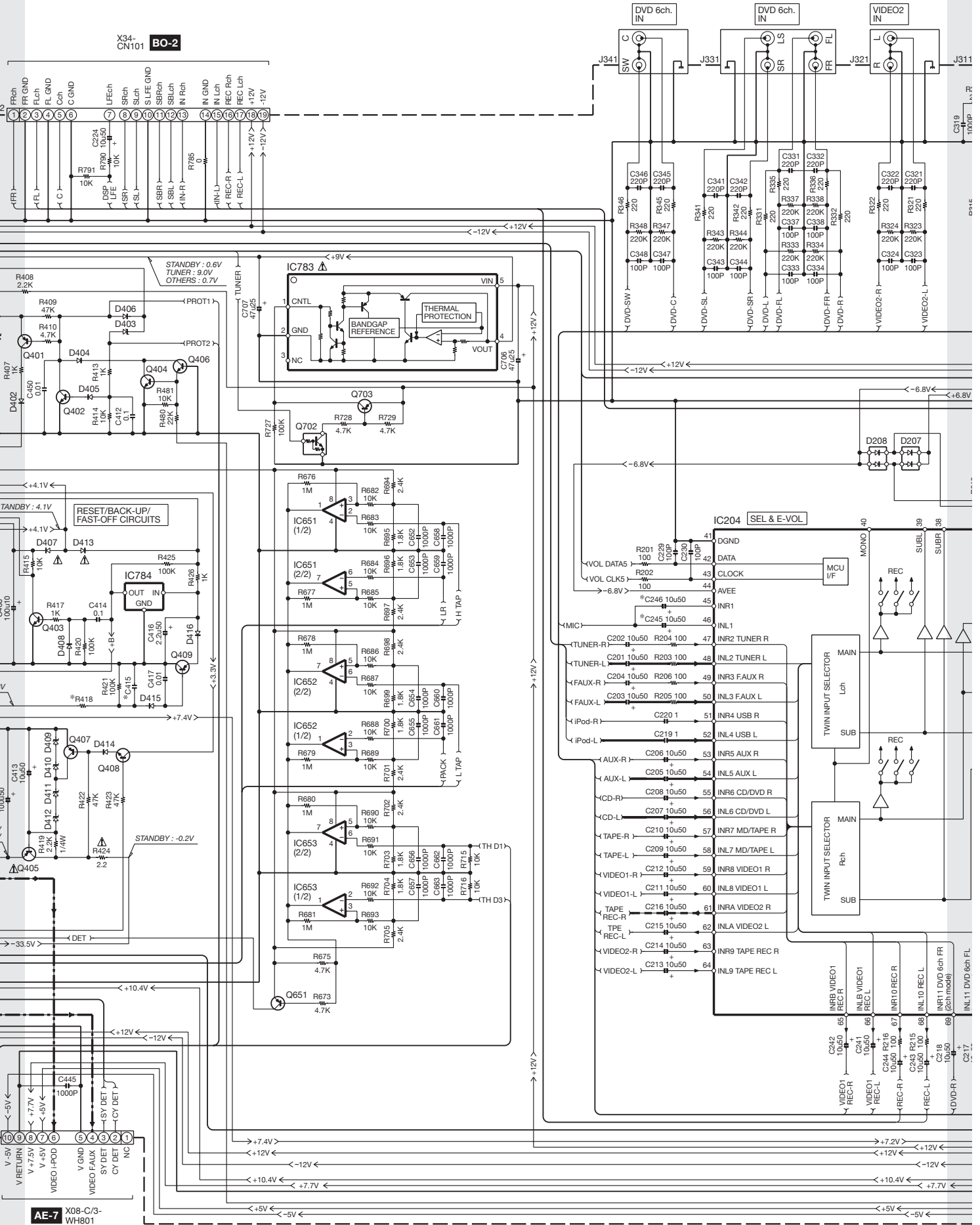


Refer to the schematic diagram for the values of resistors and capacitors.

KRF-V7300D/V8300D/V9300D



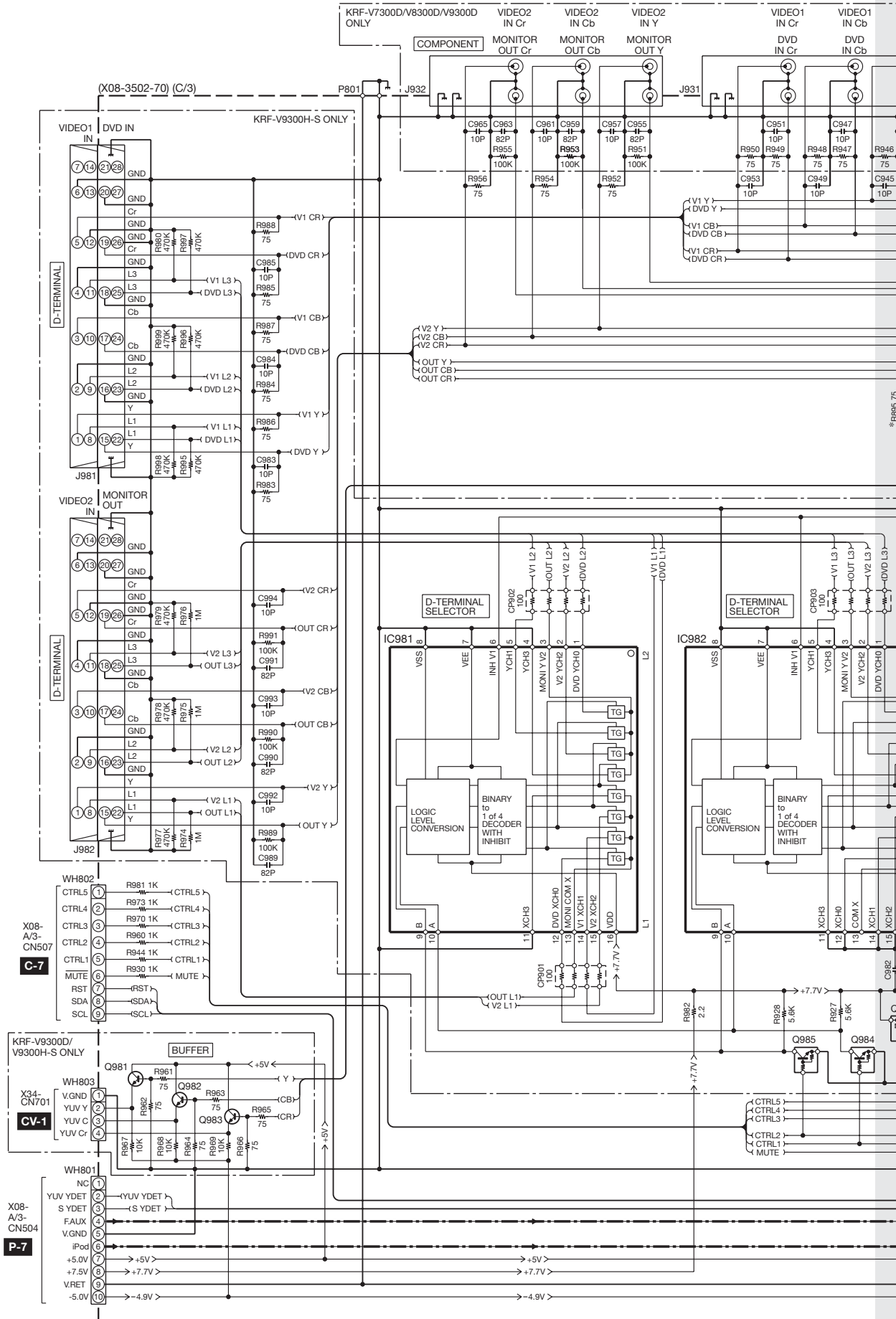
KRF-V7300D/V8300D/V9300D



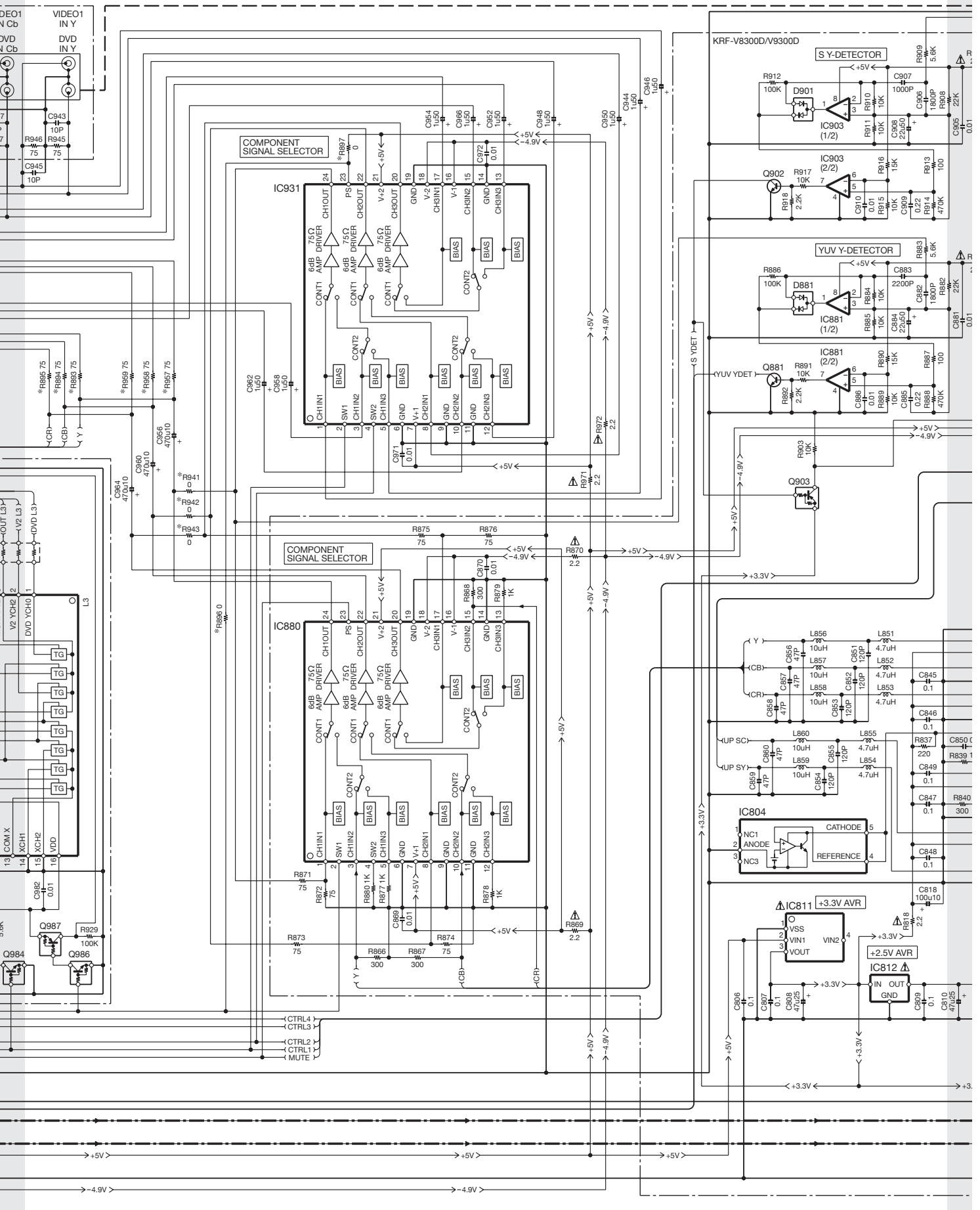
AE-7 X08-C/3-WH801

KRF-V7300D/V8300D/V9300D

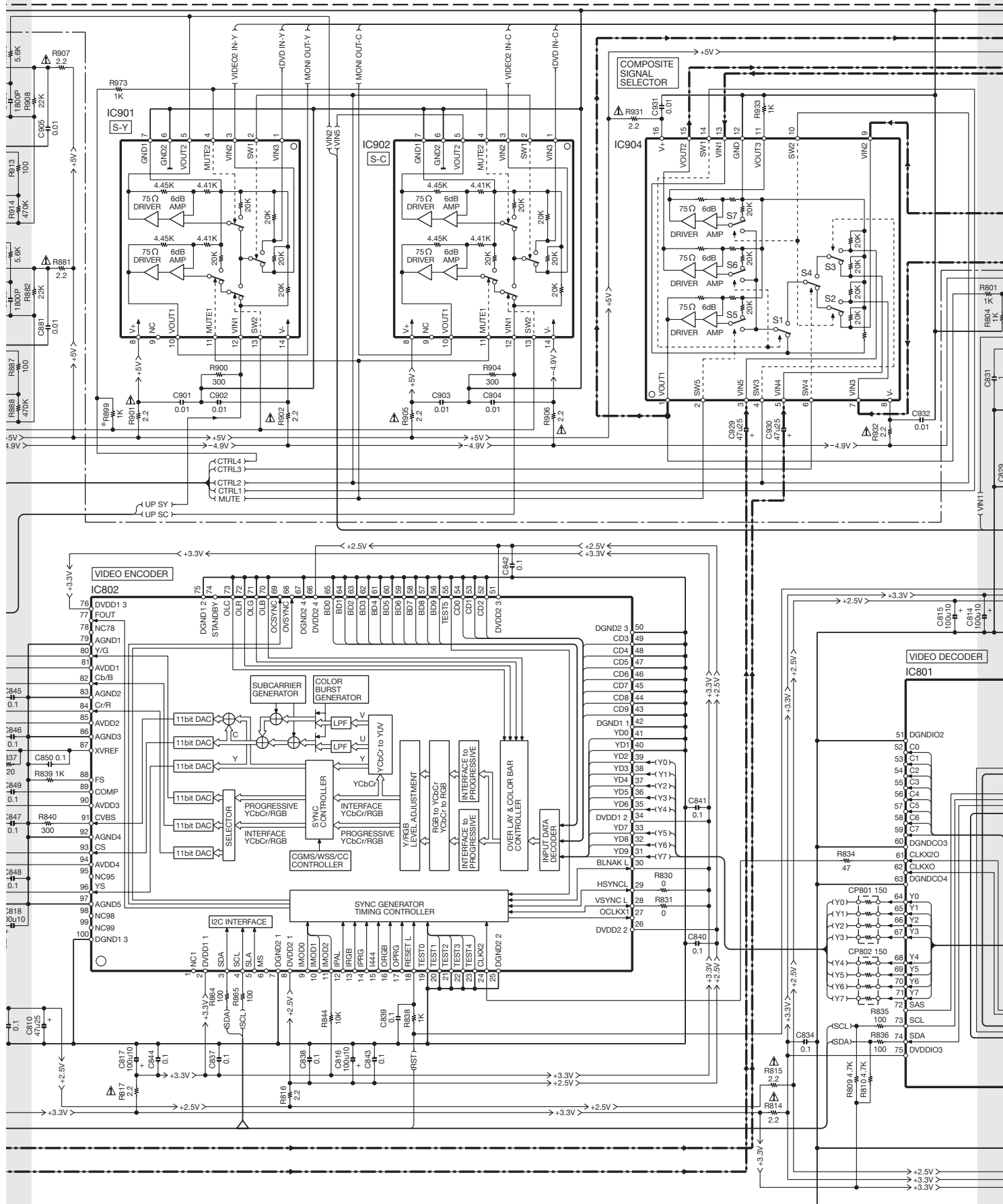
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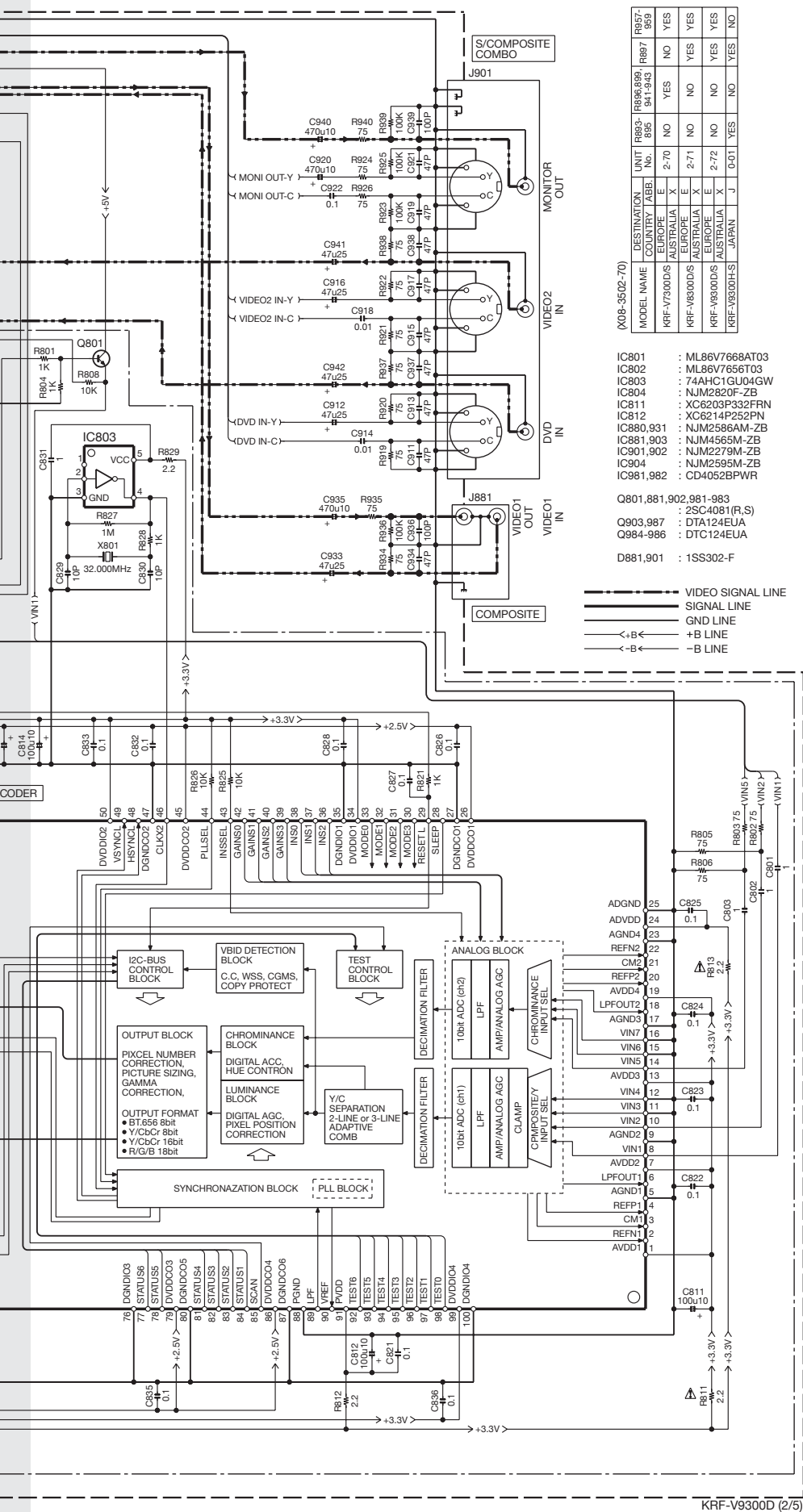
KRF-V7300D/V8300D/V9300D



KRF-V7300D/V8300D/V9300D



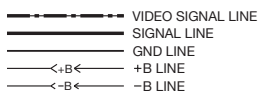
KRF-V7300D/V8300D/V9300D



(X08-3502-70)

MODEL NAME	DESTINATION COUNTRY / ABB.	UNIT No.	R893-895	R897	R957-959
KRF-V7300D/S	AUSTRALIA X	2-70	NO	YES	NO
KRF-V8300D/S	AUSTRALIA X	2-71	NO	YES	YES
KRF-V9300D/S	EUROPE E	2-72	NO	NO	YES
KRF-V9300H-S	AUSTRALIA X	0-01	YES	NO	NO

- IC801 : ML86V7668AT03
 - IC802 : ML86V7656T03
 - IC803 : 74AHCI1G104GW
 - IC804 : NJM2820F-ZB
 - IC811 : XC6203P332FRN
 - IC812 : XC6214P252PN
 - IC880,931 : NJM2586AM-ZB
 - IC881,903 : NJM4565M-ZB
 - IC901,902 : NJM2279M-ZB
 - IC904 : NJM2595M-ZB
 - IC981,982 : CD4052BPWR
- Q801,881,902,981-983 : 2SC4081(R,S)
 - Q903,987 : DTA124EUA
 - Q984-986 : DTC124EUA
- D881,901 : 1SS302-F



CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). Δ indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). 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.

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.

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KRF-V7300D/V8300D/V9300D

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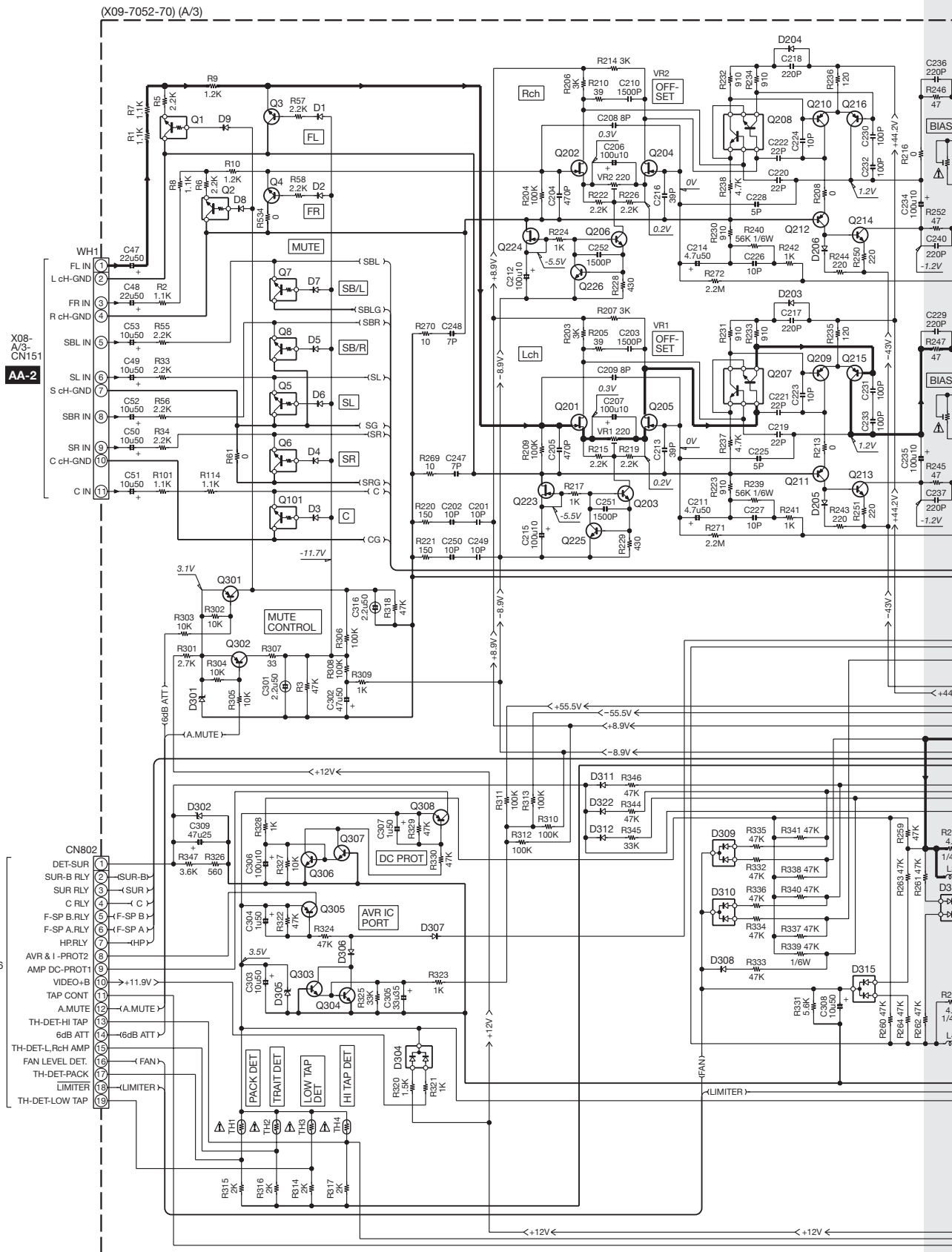
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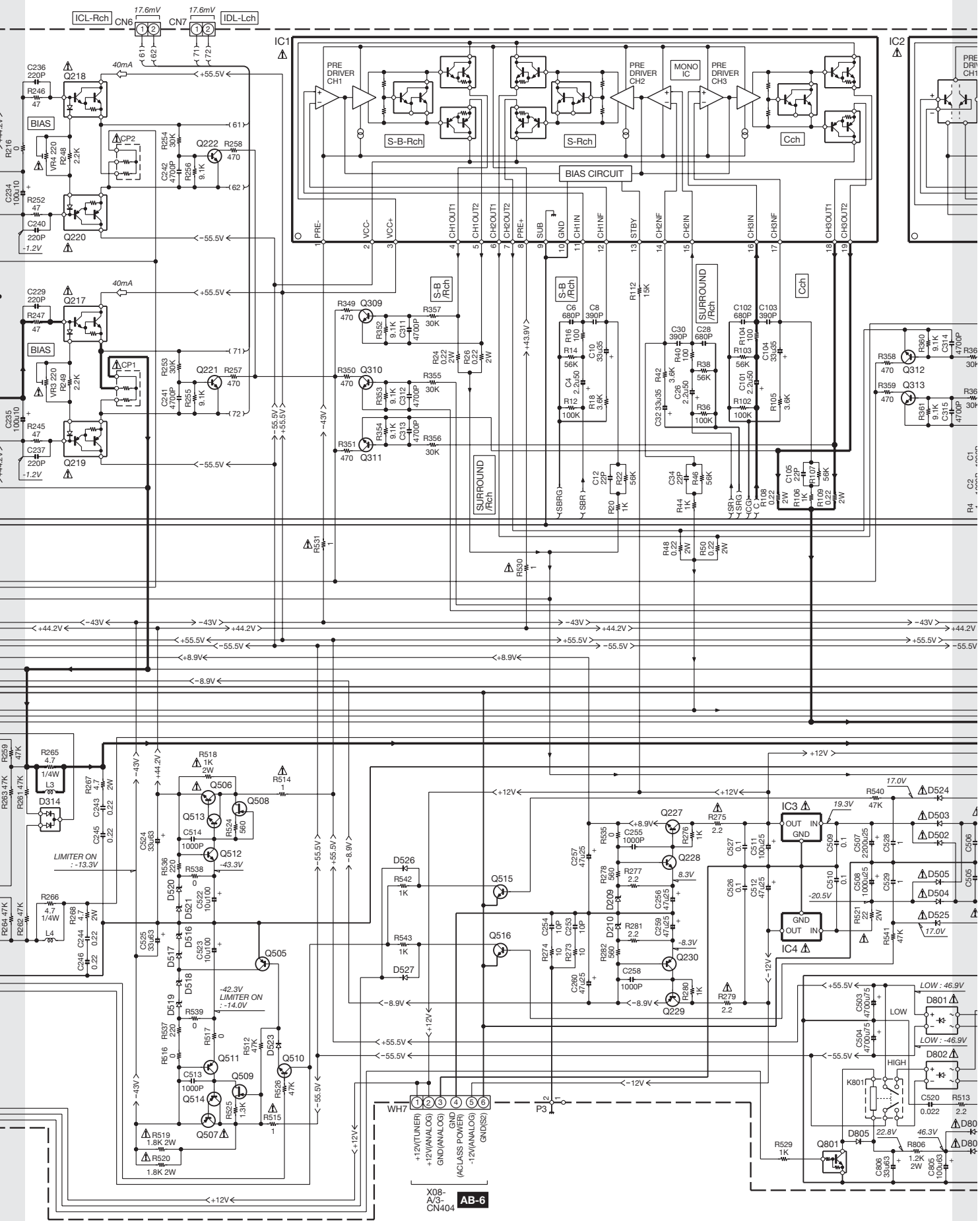
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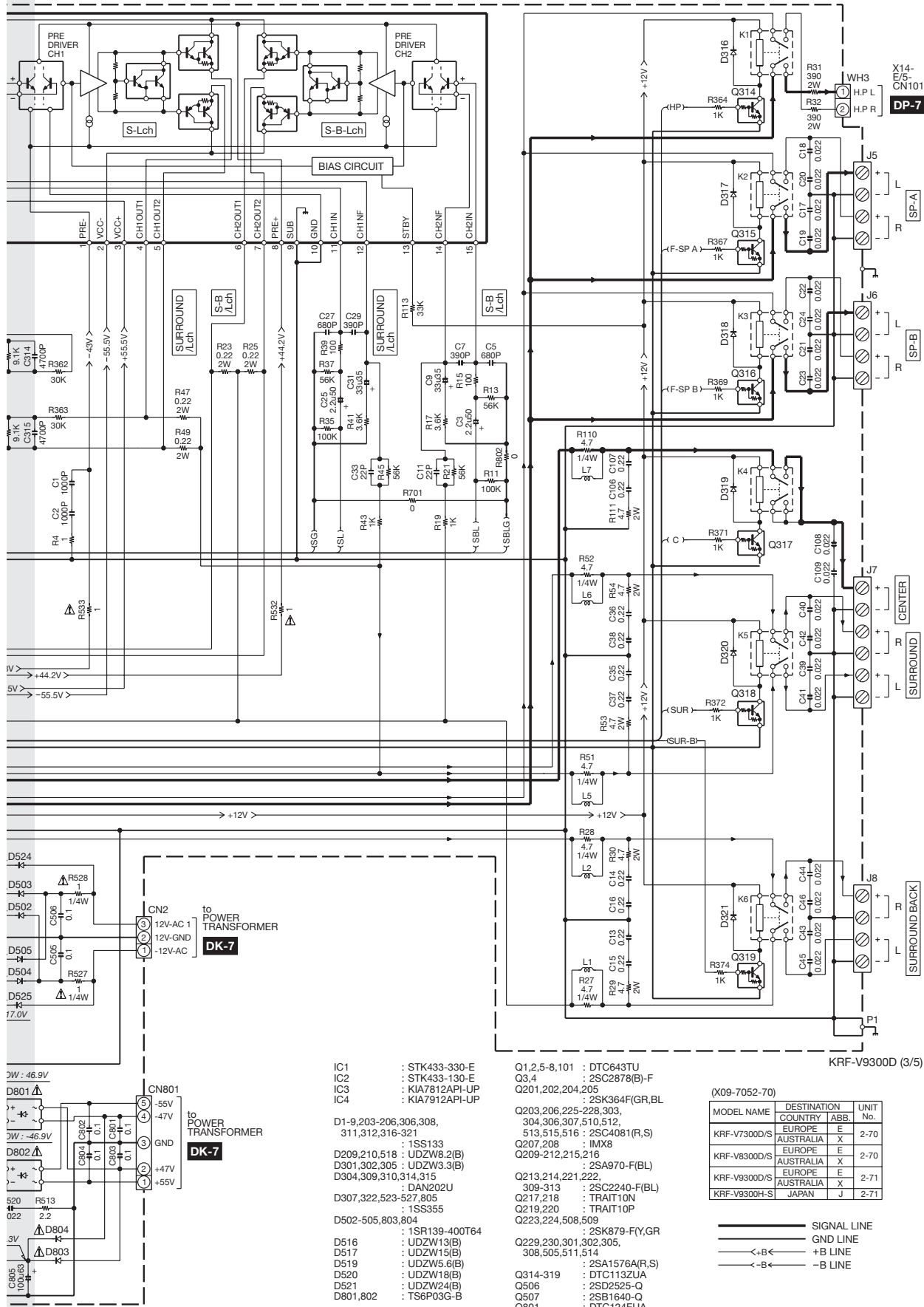
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The DC voltage is an actual reading measured with a high impedance type voltmeter with no signal input. The measurement value may vary depending on the measuring instruments used or on the product.

KRF-V7300D/V8300D/V9300D



KRF-V7300D/V8300D/V9300D

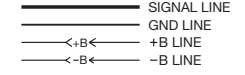


KRF-V9300D (3/5)

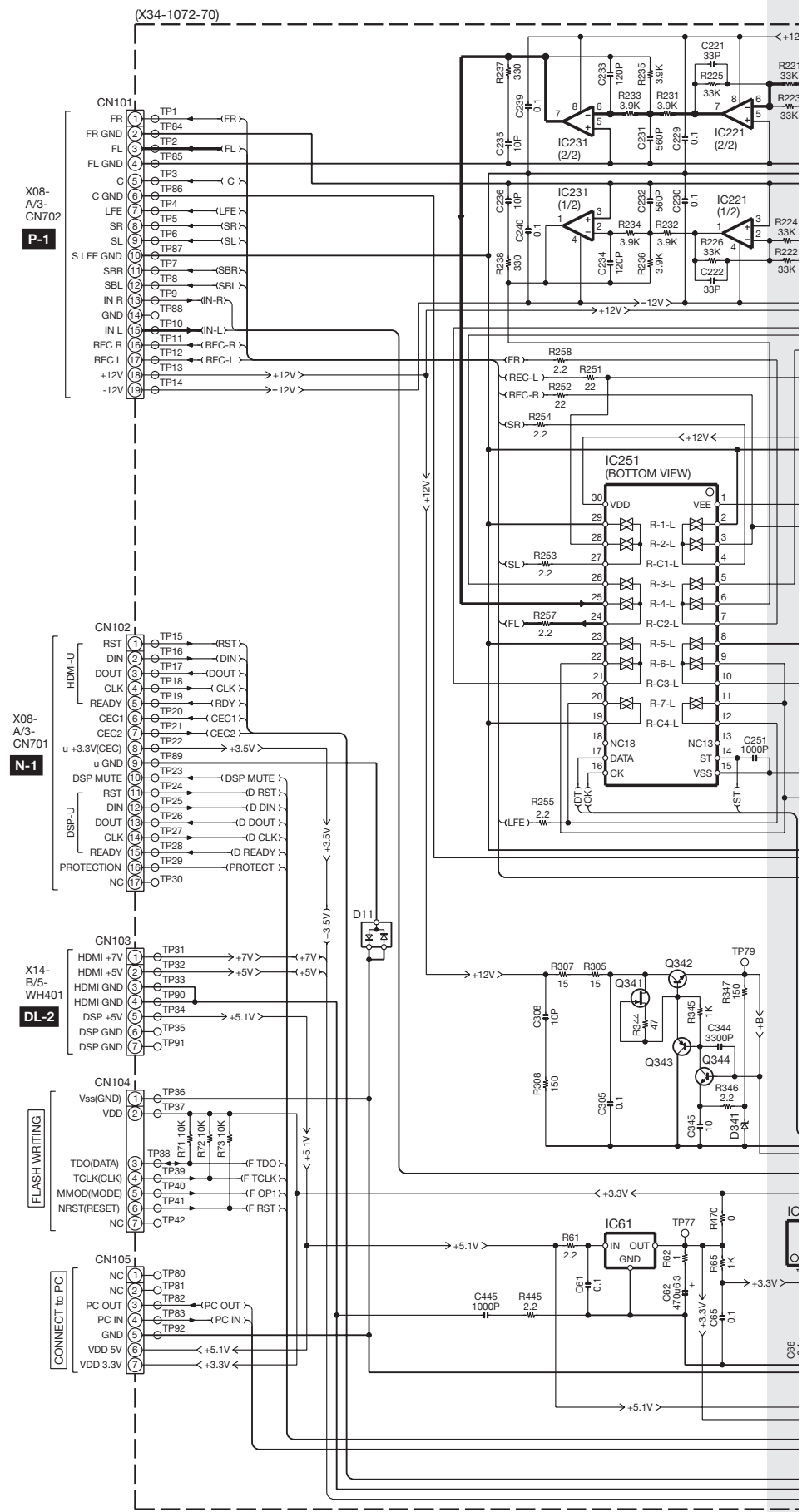
- IC1 : STK433-330-E
- IC2 : STK433-130-E
- IC3 : KIA7812API-UP
- IC4 : KIA7912API-UP
- D1,9,203,206,306,308,311,312,316-321 : 1SS133
- D209,210,518 : UDZW8.2(B)
- D301,302,305 : UDZW3.3(B)
- D304,309,310,314,315 : DAN202U
- D307,322,523-527,805 : 1SS355
- D502-505,803,804 : 1SR139-400T64
- D516 : UDZW13(B)
- D517 : UDZW15(B)
- D519 : UDZW5.6(B)
- D520 : UDZW18(B)
- D521 : UDZW24(B)
- D801,802 : TS6P03G-B
- TH1-4 : NCP18WB473J05
- Q1,2,5-8,101 : DTC643TU
- Q3,4 : 2SC2878(B)-F
- Q201,202,204,205 : 2SK364F(GR,BL)
- Q203,206,225-228,303,304,306,307,510,512,513,515,516 : 2SC4081(R,S)
- Q207,208 : IMX8
- Q209-212,215,216 : 2SA970-F(BL)
- Q213,214,221,222,309-313 : 2SC2240-F(BL)
- Q217,218 : TRAIT10N
- Q219,220 : TRAIT10P
- Q223,224,508,509 : 2SK879-F(Y,GR)
- Q229,230,301,302,305,308,505,511,514 : 2SA1576A(R,S)
- Q314-319 : DTC113ZUA
- Q506 : 2SD2525-Q
- Q507 : 2SB1640-Q
- Q801 : DTC124EUA

(X09-7052-70)

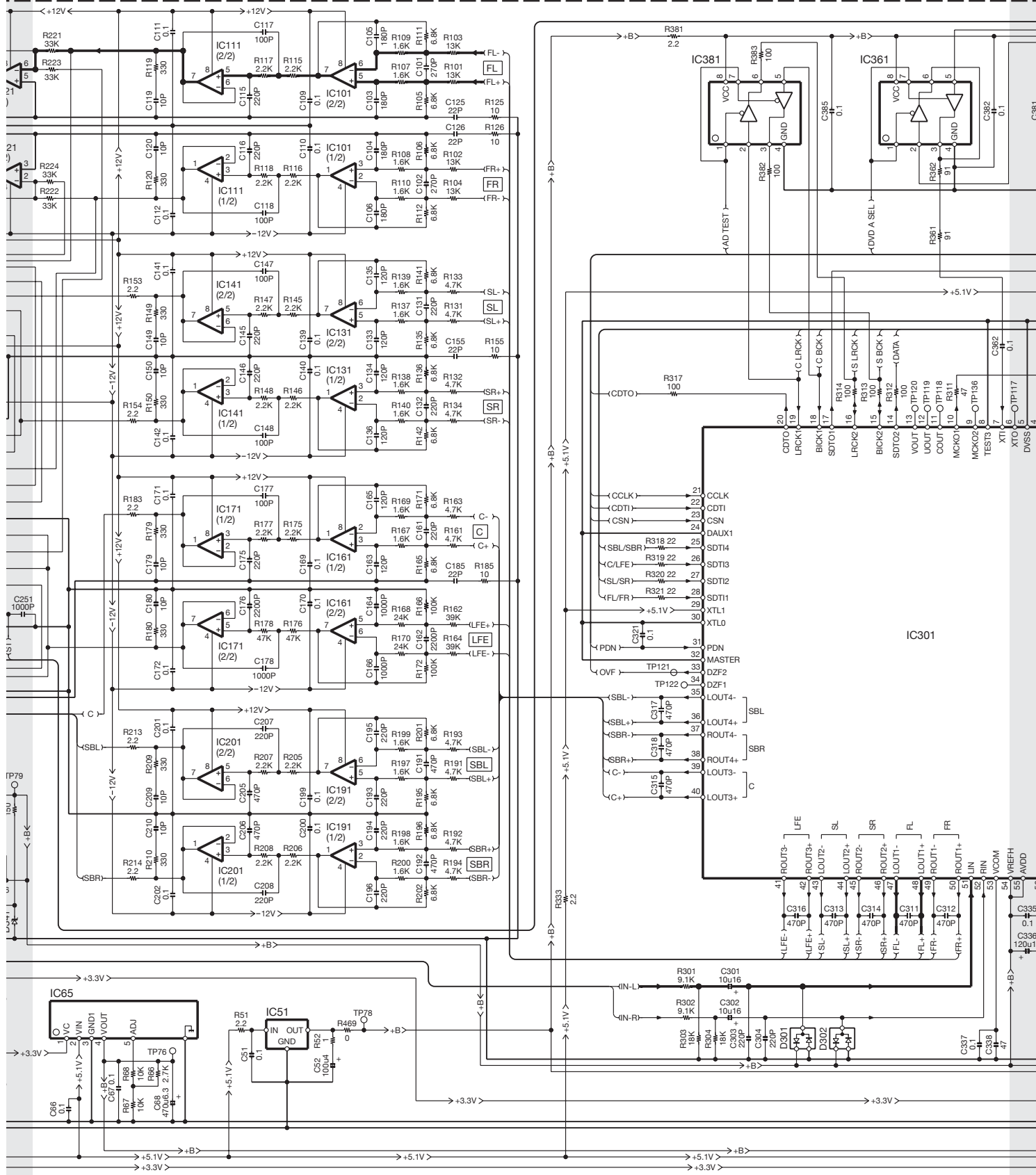
MODEL NAME	DESTINATION COUNTRY	UNIT No.	LABB.
KRF-V7300D/S	EUROPE	E	2-70
	AUSTRALIA	X	N-70
KRF-V8300D/S	EUROPE	E	2-70
	AUSTRALIA	X	N-70
KRF-V9300D/S	EUROPE	E	2-71
	AUSTRALIA	X	N-71
KRF-V9300H-S	JAPAN	J	2-71



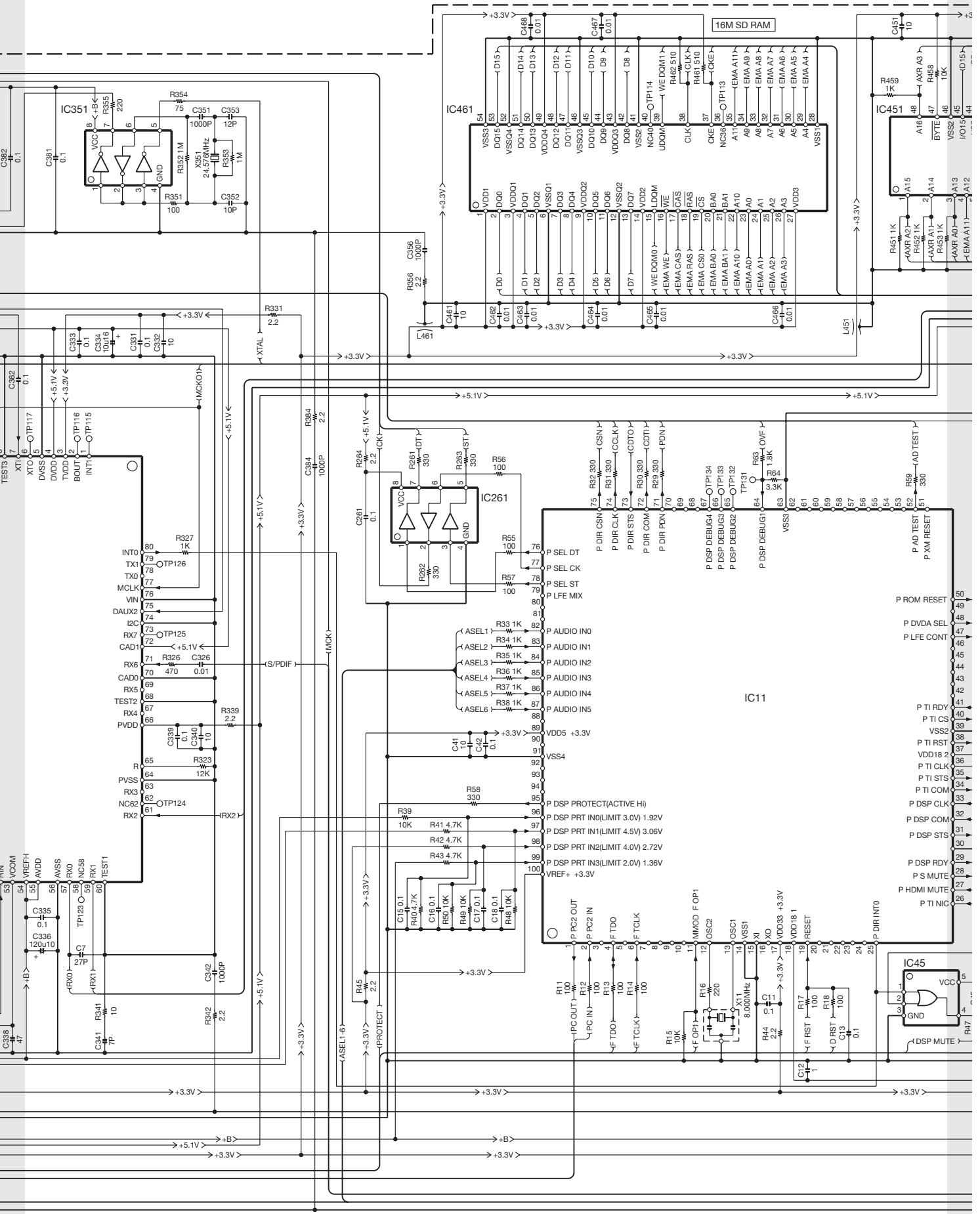
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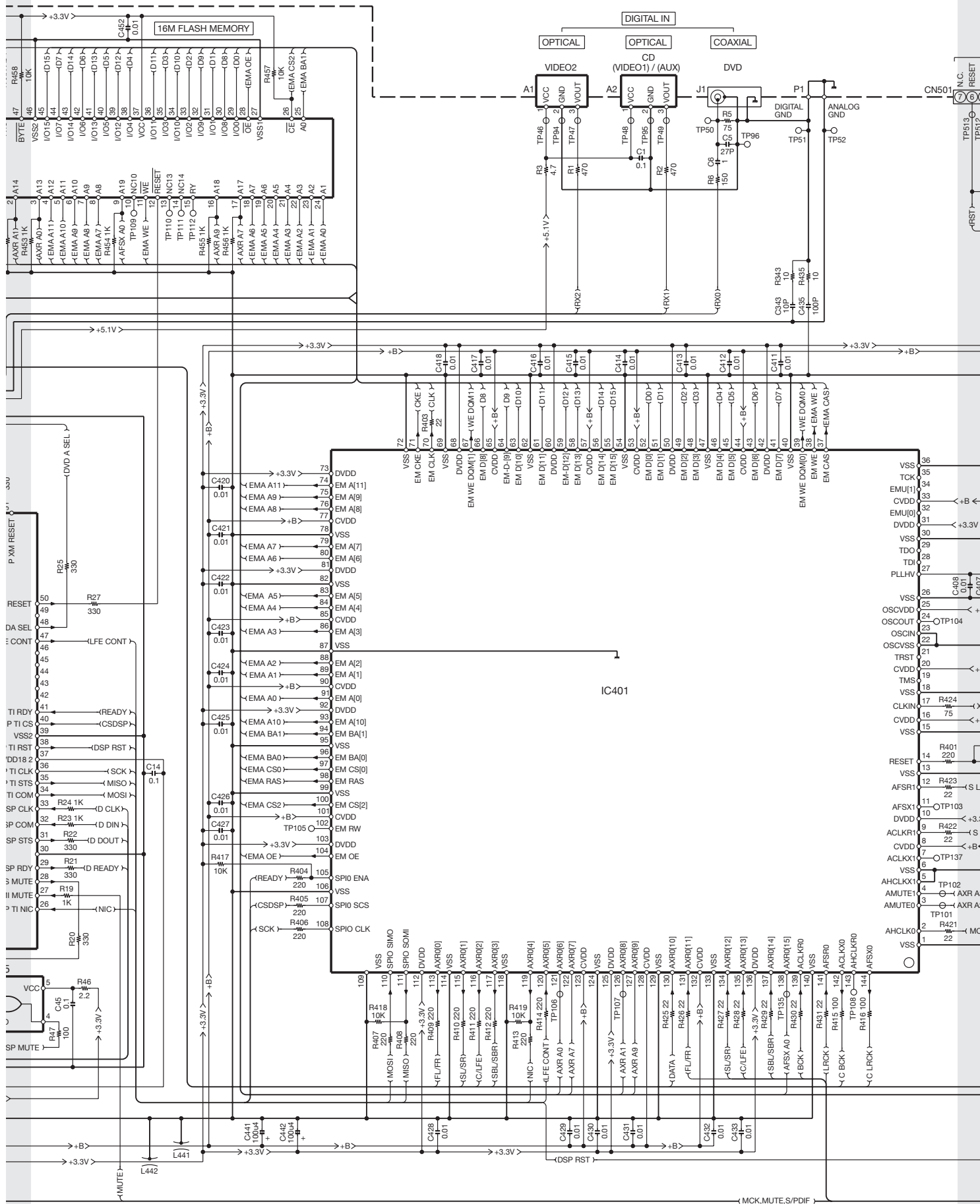
KRF-V7300D/V8300D/V9300D

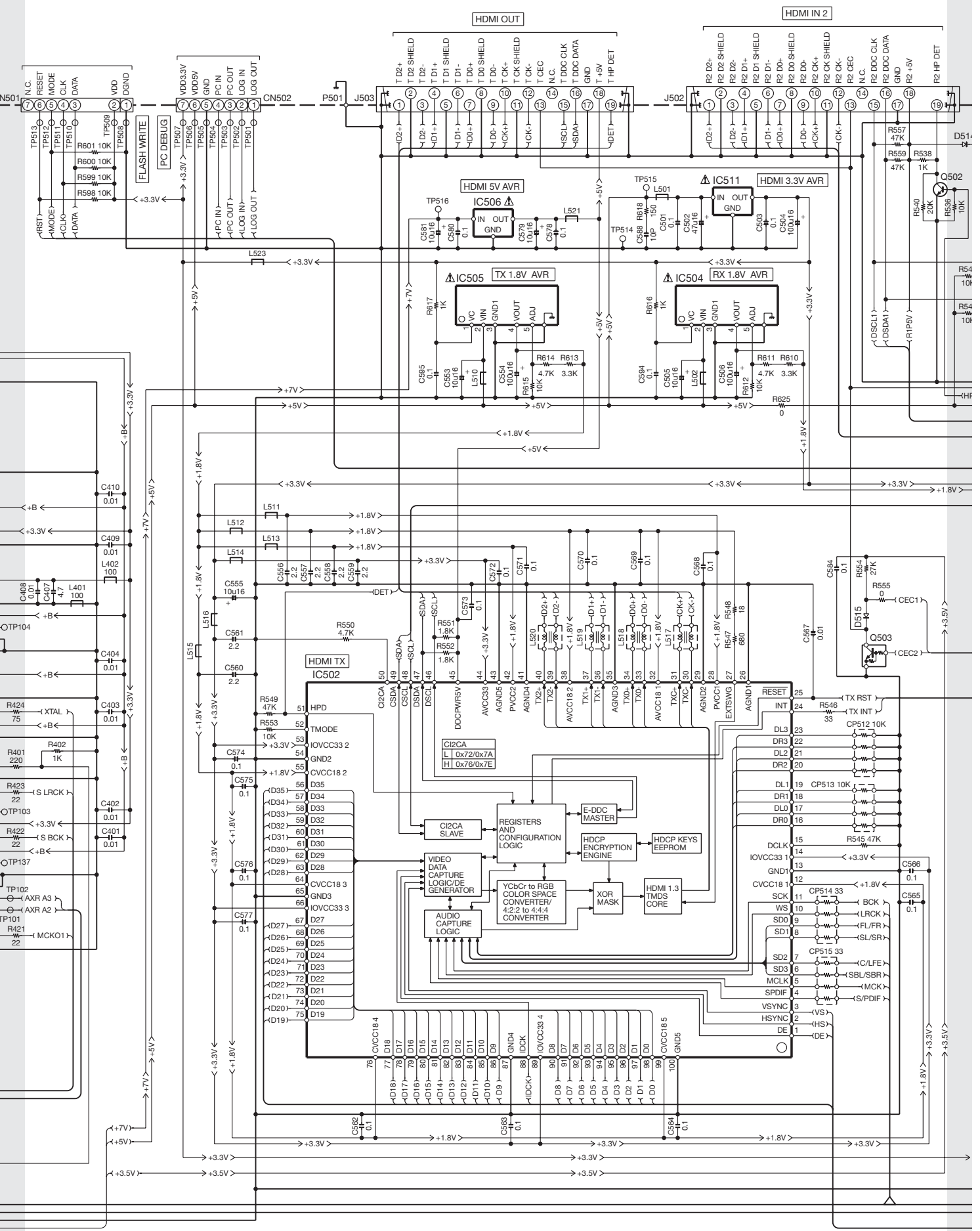


KRF-V7300D/V8300D/V9300D

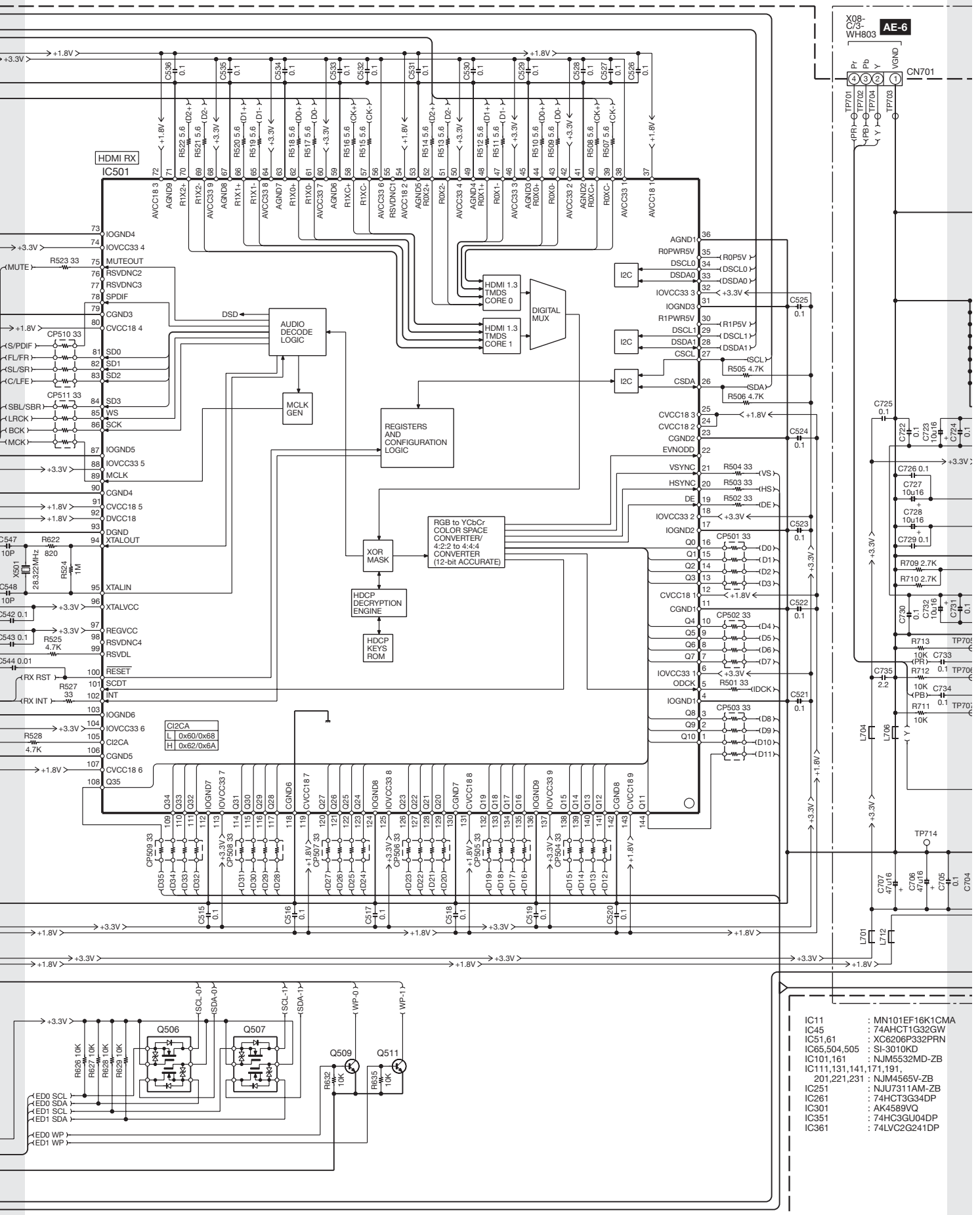


KRF-V7300D/V8300D/V9300D





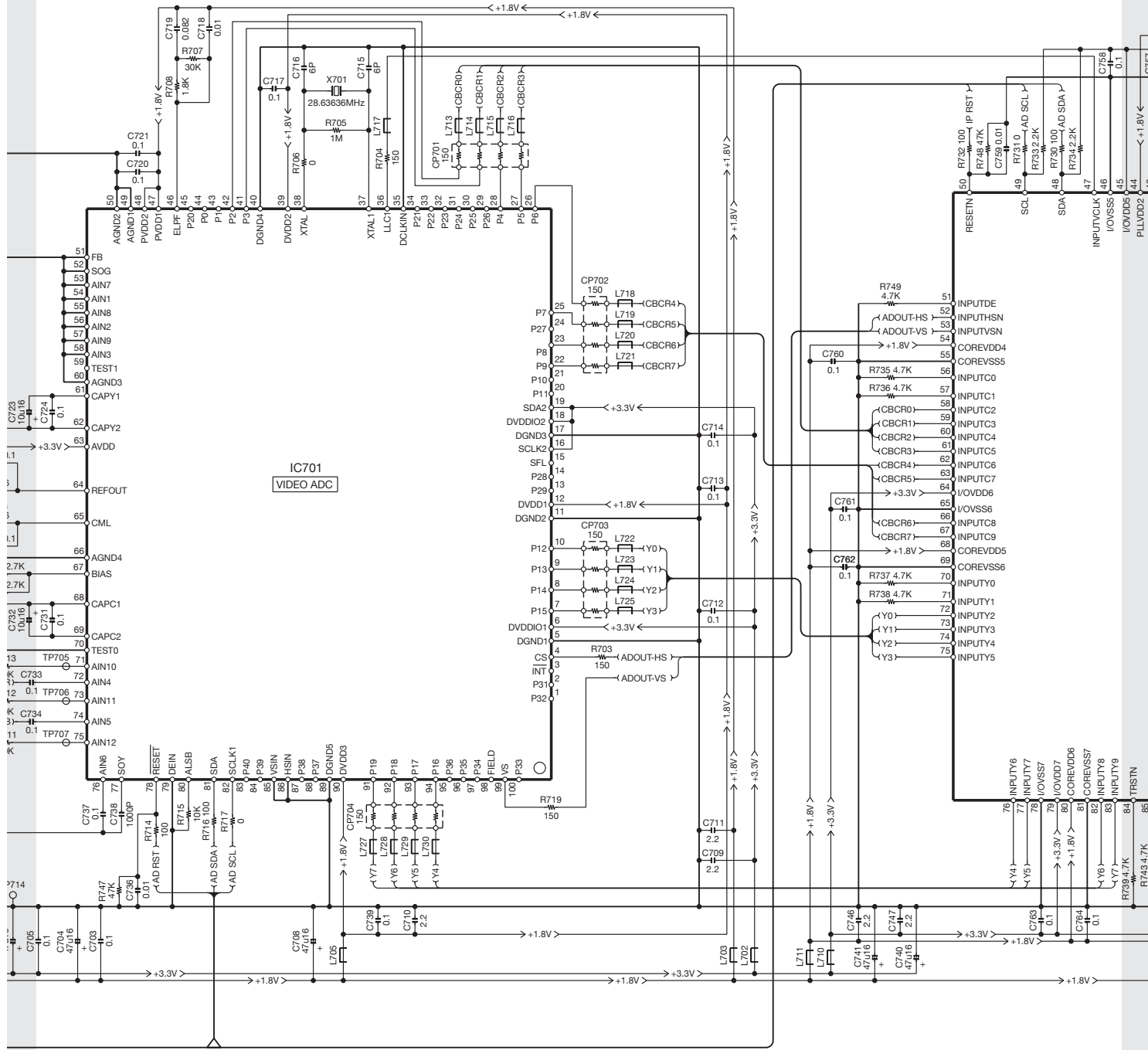
CR CS CT CU CV
KRF-V7300D/V8300D/V9300D



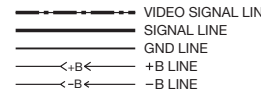
- IC11 : MN101EF16K1CMA
- IC46 : 74AHCT1G32GW
- IC51,61 : XC6206P332PRN
- IC65,504,505 : SI-3010KD
- IC101,161 : NJM5532MD-ZB
- IC111,131,141,171,191, 201,221,231 : NJM4565V-ZB
- IC251 : NJU7311AM-ZB
- IC261 : 74HCT3G34DP
- IC301 : AK4589VQ
- IC351 : 74HC3GU04DP
- IC361 : 74LVLC2G241DP

KRF-V7300D/V8300D/V9300D

701



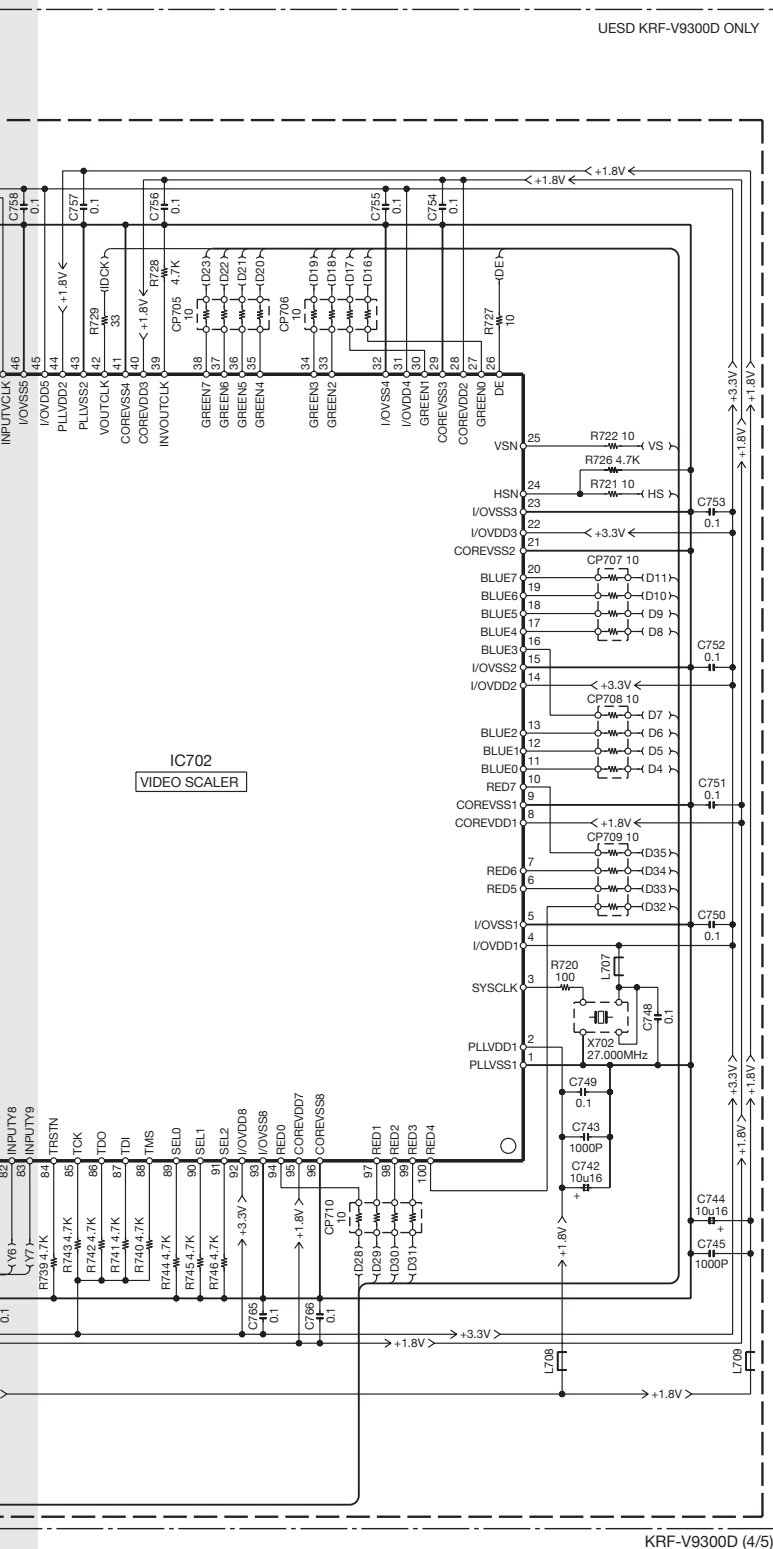
- 3K1CMA IC381 : 74LVC2G125DP
- 3ZGW IC401 : D788E001BRFP
- 2PRN IC451 : A29L160A1CHB
- IC461 : EM484M1644VB6
- D-ZB IC501 : SI19135CTU
- IC502 : SI19134CTU
- ZB IC503 : MN101EF16K1CNA
- A-ZB IC506 : XC6201P501PN
- IDP IC507.508 : BR24L02VF-W
- IC509.510 : SN74CBT3257PW
- 4DP IC511 : XB1086P331JN
- 1DP IC701 : ADV7401BSTZ80
- IC702 : ABT1012
- Q341 : 2SK879-FYGR
- Q342 : 2SD1693(R,S)
- Q343 : 2SA1576A(R,S)
- Q344.501.502.509.511 : 2SC4081(R,S)
- Q503 : DTC124EUA
- Q506.507 : SSM6N16FE-F
- D11.301.302 : DA204U
- D341 : UDZW4.7(B)
- D511-514 : EC10QS10AG
- D515 : RB751V-40



(X34-1072-70)

MODEL NAME	DESTINATION		UNIT No.	R594-597
	COUNTRY	ABB.		
KRF-V7300D/S	EUROPE	E	2-70	NO
	AUSTRALIA	X		
KRF-V8300D/S	EUROPE	E	2-70	NO
	AUSTRALIA	X		
KRF-V9300D/S	EUROPE	E	2-71	YES
	AUSTRALIA	X		
KRF-V9300H-S	JAPAN	J	2-71	YES

KRF-V7300D/V8300D/V9300D



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CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). Δ indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). 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.

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KRF-V7300D/V8300D/V9300D

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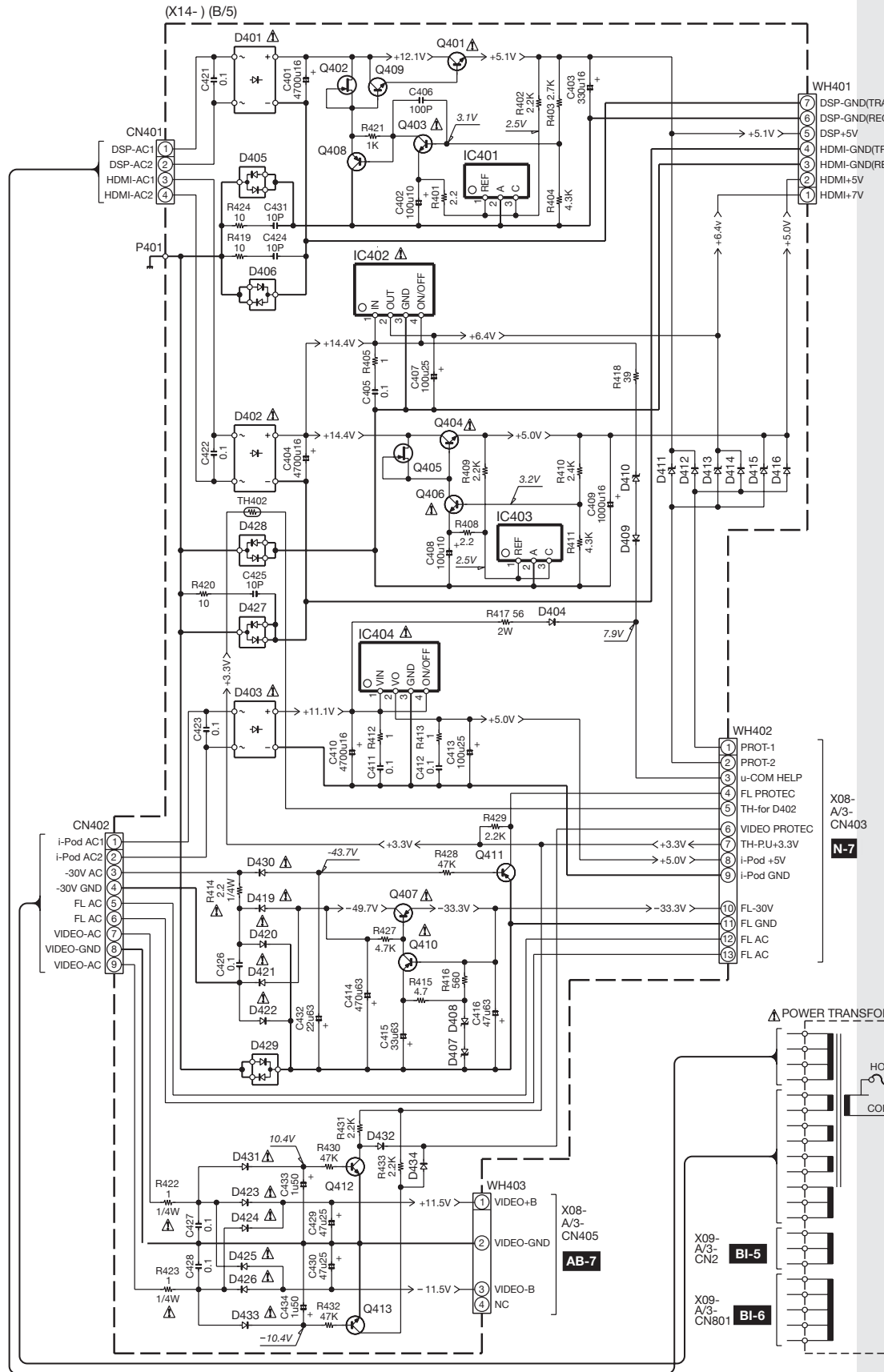
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KRF-V7300D/V8300D/V9300D

(X14-8112-70) (A/5)

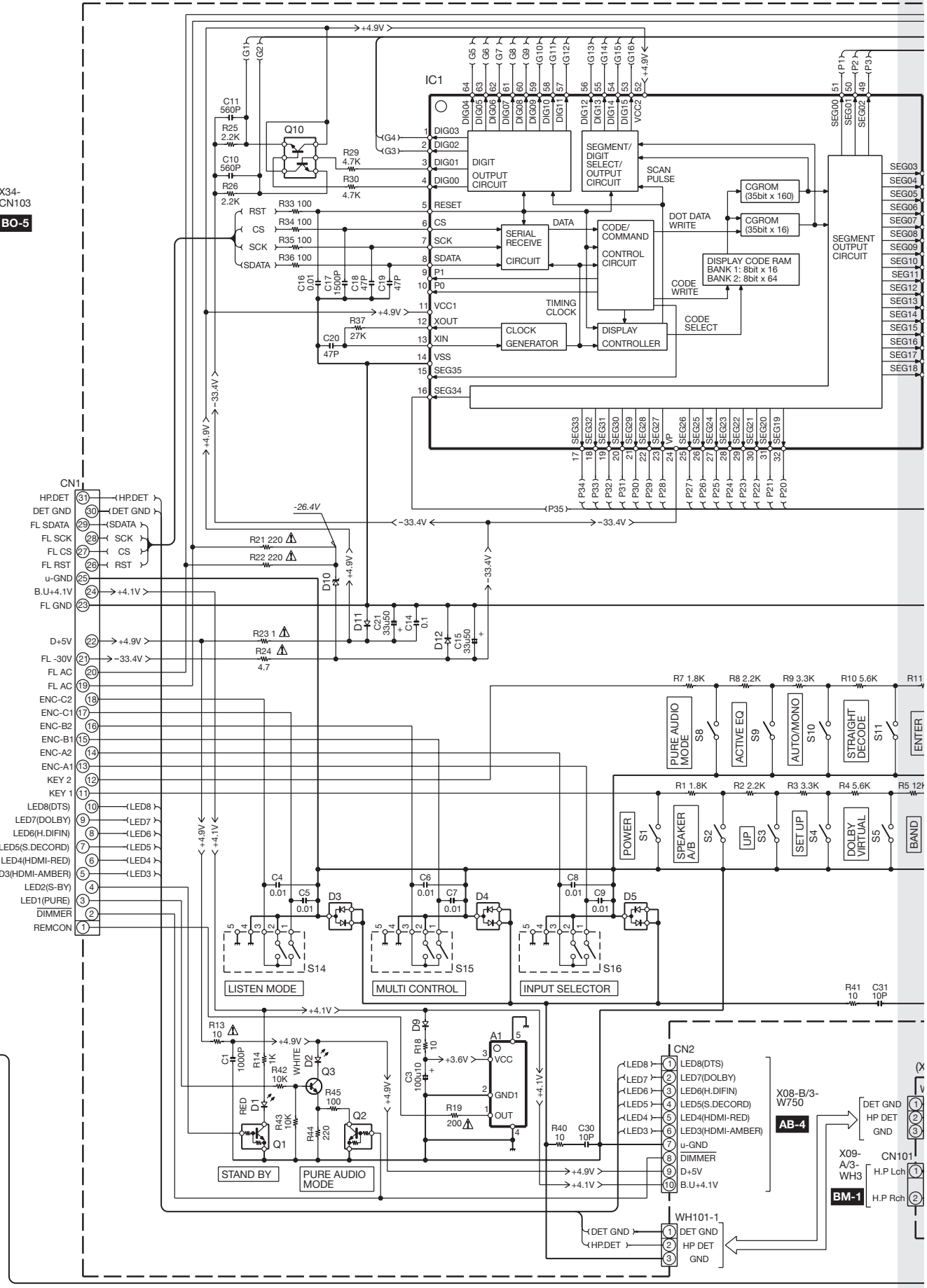
X401
SP-GND(TRANS)
SP-GND(REGURATER)
SP+5V
DMI-GND(TRANS)
DMI-GND(REGURATER)
DMI+5V
DMI+7V

X34-
CN103
BO-5

X08-
A/3-
CN502
A-5

X08-
A/3-
CN403

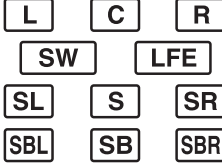
TRANSFORMER



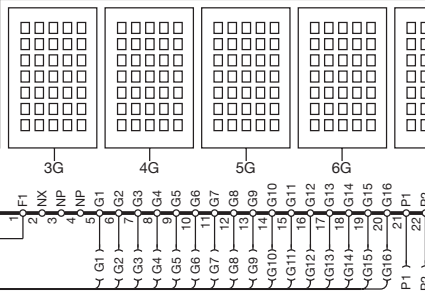
KRF-V7300D/V8300D/V9300D

ED1

AUTO ROOM EQ
DUAL MONO

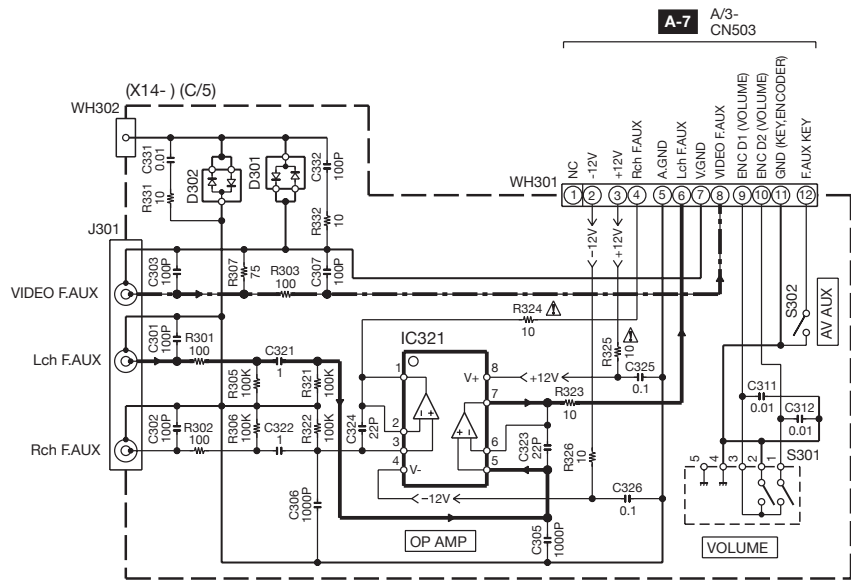
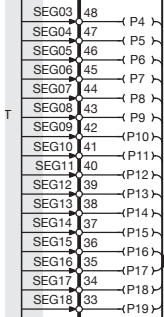


SP iPod **AUTODETECT** **HDMI**



DIGITAL 6CH INPUT ANALOG OPT COAX **D+ TrueHD EX PL II x**

DTS HD MSTR HIRES LBR 96/24 **MOVIE MUSIC GAME DISC** **NEO:6 CINEMA** **MATR**

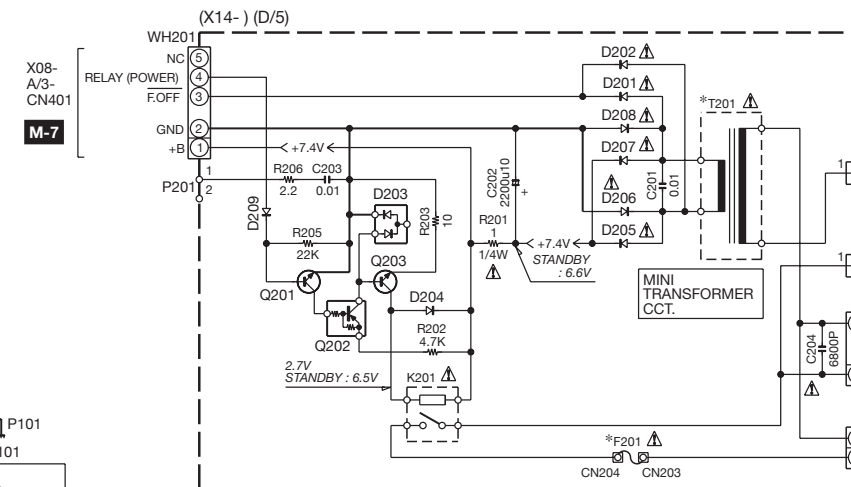
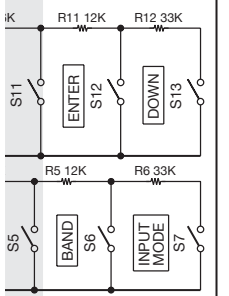


- IC1 : M66005-0001AHP
- IC321 : BA4560RF
- IC401,403 : NJM431U-ZB
- IC402 : NJM2396F63
- IC404 : KIA78R05PI-P

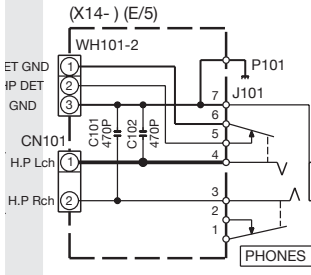
- Q1,2 : DTC114EUA
- Q3,201,203,403,406,409,412,413 : 2SC4081(R,S)
- Q10 : IMX1
- Q202 : DTA124EUA
- Q401 : 2SD2012-F
- Q402,405 : 2SK364F(GR,BL)
- Q404 : 2SD2641*5
- Q407 : 2SB1640-Q
- Q408,410,411 : 2SA1576A(R,S)

- D1 : B30-2597-05
- D2 : B30-2702-05
- D3-5,203,301,302,405,406,427-429 : 1SS302-F
- D9,11,12,201,202,204,209,412,414,416,430-434 : 1SS355
- D10 : UDZW6.8(B)
- D205-208 : RB501V-40
- D401,403 : TS4B03G-B1
- D402 : TS6P03G-B
- D404,409,419-426 : 1SR139-400T64
- D407,408 : UDZW16(B)
- D410 : UDZW4.7(B)
- D411,413,415 : UDZW8.2(B)

TH2 : NCP18WB473J0S



- VIDEO SIGNAL LINE
- SIGNAL LINE
- GND LINE
- +B LINE
- B LINE



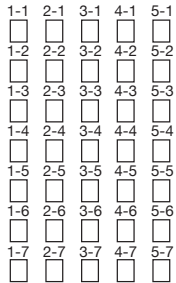
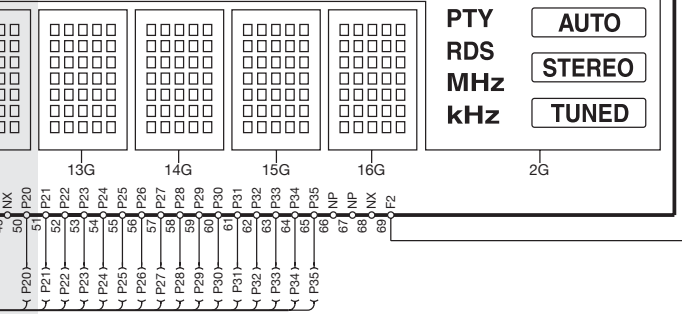
(X14-8112-70)

MODEL NAME	DESTINATION COUNTRY	ABB.	UNIT No.	F201	T201
KRF-V7300D/S	EUROPE	E	2-70	T3.15A L250V	L07-3373-05
KRF-V7300D/S	AUSTRALIA	X	2-70	T3.15A L250V	L07-3373-05
KRF-V8300D/S	EUROPE	E	2-70	T3.15A L250V	L07-3373-05
KRF-V8300D/S	AUSTRALIA	X	2-70	T3.15A L250V	L07-3373-05
KRF-V9300D/S	EUROPE	E	2-70	T3.15A L250V	L07-3373-05
KRF-V9300D/S	AUSTRALIA	X	2-70	T3.15A L250V	L07-3373-05
KRF-V9300H-S	JAPAN	J	0-01	8A 125V	L07-3372-05

KRF-V9300D (5/5)

KRF-V7300D/V8300D/V9300D

96/24 ES STEREO MULTI CH VS ACTIVE EQ MUTE
 DISCRETE DSP MODE PCM
 MATRIX STRAIGHT AAC H TONE CLIP



(3G-16G)

	1G	2G	3G-16G
P1	AUTO ROOM EQ	DTS	1-1
P2	DUAL MONO	HD	2-1
P3	[L]	MSTR	3-1
P4	[C]	HIRES	4-1
P5	[R]	LBR	5-1
P6	[SW]	96/24	1-2
P7	[LFE]	ES	2-2
P8	[SL]	STEREO	3-2
P9	[S]	MULTI CH	4-2
P10	[SR]	MOVIE	5-2
P11	[SBL]	MUSIC	1-3
P12	[SB]	GAME	2-3
P13	[SBR]	DISCRETE	3-3
P14	SP	DSP MODE	4-3
P15	[A]	PCM	5-3
P16	[B]	NEO:6	1-4
P17	iPod	CINEMA	2-4
P18	[>]	MATRIX	3-4
P19	[]	STRAIGHT	4-4
P20	[AUTODETECT]	AAC	5-4
P21	[HDMI]	<input type="checkbox"/> VS	1-5
P22	DIGITAL	<input type="checkbox"/> H	2-5
P23	6CH INPUT	ACTIVE EQ	3-5
P24	ANALOG	TONE	4-5
P25	OPT	PTY	5-5
P26	COAX	RDS	1-6
P27	<input type="checkbox"/> (D)	MHz	2-6
P28	d	kHz	3-6
P29	+	MUTE	4-6
P30	TrueHD	CLIP	5-6
P31	EX	[AUTO]	1-7
P32	<input type="checkbox"/> (EX)	[STEREO]	2-7
P33	PL	[TUNED]	3-7
P34	II (PL)	—	4-7
P35	x	—	5-7

CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). Δ indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). 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.

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.

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①

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
KRF-V7300D / V8300D / V9300D						
601	1A	*	A01-3995-01	METALLIC CABINET,SILVER	S	
601	1A	*	A01-3996-01	METALLIC CABINET,#3995 BLACK	B	
603	2A	*	A60-2540-01	PANEL,#2508-S	E2X2	
603	2A	*	A60-2541-01	PANEL,#2508-B	E1X1	
603	2A	*	A60-2542-01	PANEL,#2508-S	E4X4	
603	2A	*	A60-2543-01	PANEL,#2508-B	E3X3	
603	2A	*	A60-2544-01	PANEL,#2508-S	E6X6	
603	2A	*	A60-2545-01	PANEL,#2508-B	E5X5	
604	1A	*	A70-1730-05	REMOTE CONTROLLER,RC-R0733	7	
604	1A	*	A70-1731-05	REMOTE CONTROLLER,RC-R0831	8	
604	1A	*	A70-1736-05	REMOTE CONTROLLER,RC-R0923	9	
-		*	B60-5740-00	INSTRUCTION MANUAL,EN	E	
-		*	B60-5741-00	INSTRUCTION MANUAL,FR	E	
-		*	B60-5750-00	INSTRUCTION MANUAL,GE	E	
-		*	B60-5751-00	INSTRUCTION MANUAL,NE	E	
-		*	B60-5752-00	INSTRUCTION MANUAL,IT	E	
-		*	B60-5753-00	INSTRUCTION MANUAL,ES	E	
607	2A	*	B07-2754-03	ESCUTCHEON,RING-S	S	
607	2A	*	B07-2755-03	ESCUTCHEON,#2754BLACK	B	
608	2A	*	B07-2768-01	ESCUTCHEON,SILVER	E2X2	
608	2A	*	B07-2769-01	ESCUTCHEON,#2768 BLACK	E1X1	
608	2A	*	B07-2772-01	ESCUTCHEON,#2768SILVER	E4X4E6	
608	2A	*	B07-2772-01	ESCUTCHEON,#2768SILVER	X6	
608	2A	*	B07-2773-01	ESCUTCHEON,#2768 BLACK	E3X3E5	
608	2A	*	B07-2773-01	ESCUTCHEON,#2768 BLACK	X5	
609	2A	*	B07-2770-03	ESCUTCHEON,PURERING-S	S	
609	2A	*	B07-2771-03	ESCUTCHEON,#2770 BLACK	B	
610	2A	*	B10-5645-02	FRONT GLASS,#5621		
611	2A	*	B10-5646-03	FRONT GLASS,ESCUTCHEON		
612	2A	*	B11-1639-04	COLOR FILTER,HDMI		
613	2A	*	B12-1408-04	INDICATOR,POWER		
614	2A		B43-0336-04	BADGE,36*BLACK		
△ 618	1C		E30-7330-05+	AC POWER CORD,AS ROUND PLUG	X	
△ 618	1C		E30-7368-05	AC POWER CORD,EN 2.5A	E	
619	1B,1C	*	E35-3911-05	FLAT CABLE,11P TUNER		
620	1B,2B	*	E35-4018-05	FLAT CABLE,31P,X14-X08		
621	1B,2C	*	E35-4019-05	FLAT CABLE,19P,X09-X08		
622	1B	*	E35-4020-05	FLAT CABLE,17P,X34-X08		
623	1B	*	E35-4021-05	FLAT CABLE,19P,X34-X08		
626	1C		F07-2037-12	COVER,FAN		
FAN	1B		F09-0192-05	FAN		
-			J61-0307-05	WIRE BAND		
635	2C	*	J02-1464-03	FOOT	7	
635	2C	*	J02-1467-13	FOOT (D=60,H=21.5)	9	
635	2C	*	J02-1532-03	FOOT	8	
639	1B		J19-6471-12	HOLDER,FAN		
△ 644	1C		J42-0349-05	POWER CORD BUSHING		
650	2A		K29-8103-04	KNOB,VOL-B	E1X1	
650	2A		K29-8104-04	KNOB,#8103SILVER	E2X2	
650	2A		K29-8444-04	KNOB,VOL-B	E3X3E5	

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②

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650	2A		K29-8444-04	KNOB,VOL-B	X5	
650	2A		K29-8445-04	KNOB,#8444SILVER	E4X4E6	
650	2A		K29-8445-04	KNOB,#8444SILVER	X6	
651	2A		K29-8591-03	KNOB,POWER	S	
651	2A		K29-8592-03	KNOB,#8591BLACK	B	
652	2A	*	K29-8680-03	KNOB,JOG-PLATING	S	
652	2A	*	K29-8681-03	KNOB,#8680-BLACK	B	
653	2A	*	K29-8682-03	KNOB,JOG-SMALL	S	
653	2A	*	K29-8683-03	KNOB,#8682-BLACK	B	
654	2A	*	K29-8684-03	KNOB,(A)PUREASSY	S	
654	2A	*	K29-8685-03	KNOB,(B)#8684-B	B	
656	2A,2B	*	K29-8686-02	KNOB,CENTER-S	S	
656	2A,2B	*	K29-8687-02	KNOB,#8686-BLACK	B	
△ 660	2B	*	L07-3382-05	POWER TRANSFORMER,230V,E	E	
△ 660	2B	*	L07-3383-05	POWER TRANSFORMER,240V,X	X	
661	1C		L92-0583-05	FERRITE CORE	9	
C			N82-2608-48	BINDING HEAD TAPTITE SCREW		
D			N86-3008-48	BINDING HEAD TAPTITE SCREW		
E			N89-3018-48	BINDING HEAD TAPTITE SCREW		
H			N89-3008-48	BINDING HEAD TAPTITE SCREW	S	
K			N82-3008-48	BINDING HEAD TAPTITE SCREW		
670	1A		T29-0011-05	MICROPHONE UNIT	89	
671	1A		T90-0854-05+	T TYPE ANTENNA		
672	1A		T90-0893-05	LOOP ANTENNA,8T		
675	1C		W02-4644-05	TUNER ASSY,E/9V		
SURROUND (X08-3502-70)						
D750,751			B30-1790-05	LED (1608 BLUE)		
D752-758			B30-1788-05	LED (1608 WHITE)		
C110			CK73GB1H102K	CHIP C 1000PF	K	
C111			CD04BJ1H2R2M	ELECTRO 2.2UF	50WV	
C112			CC73GCH1H471J	CHIP C 470PF	J	
C113			CC73GCH1H222J	CHIP C 2200PF	J	
C114			CD04BJ1E470M	ELECTRO 47UF	25WV	
C115			CC73GCH1H220J	CHIP C 22PF	J	
C116,117			CC73GCH1H101J	CHIP C 100PF	J	
C118			CC73GCH1H182J	CHIP C 1800PF	J	
C119,120			CC73GCH1H050C	CHIP C 5.0PF	C	
C131,132			CC73GCH1H101J	CHIP C 100PF	J	
C133,134			CC73GCH1H100D	CHIP C 10PF	D	
C135,136			CC73GCH1H330J	CHIP C 33PF	J	
C153,154			CC73GCH1H100D	CHIP C 10PF	D	
C158			CC73GCH1H100D	CHIP C 10PF	D	
C161,162			CK73GB1E154K	CHIP C 0.15UF	K	
C163,164			CK73GB1H473K	CHIP C 0.047UF	K	
C165,166			CK73GB1H223K	CHIP C 0.022UF	K	
C171,172			CC73GCH1H101J	CHIP C 100PF	J	
C173,174			CC73GCH1H050C	CHIP C 5.0PF	C	
C175,176			CC73GCH1H100D	CHIP C 10PF	D	
C177-180			CC73GCH1H102J	CHIP C 1000PF	J	
C181,182			CC73GCH1H101J	CHIP C 100PF	J	
C183,184			CC73GCH1H100D	CHIP C 10PF	D	
C185,186			CC73GCH1H330J	CHIP C 33PF	J	
C191			CC73GCH1H101J	CHIP C 100PF	J	

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Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
C193			CC73GCH1H100D	CHIP C 10PF D		
C195			CC73GCH1H330J	CHIP C 33PF J		
C201-218			CD04BJ1H100M	ELECTRO 10UF 50WV		
C219,220			CK73GB1A105K	CHIP C 1.0UF K		
C221-228			CD04BJ1H100M	ELECTRO 10UF 50WV		
C229,230			CC73GCH1H101J	CHIP C 100PF J		
C231-237			CD04BJ1H100M	ELECTRO 10UF 50WV		
C239			CC73GCH1H100D	CHIP C 10PF D		
C241-244			CD04BJ1H100M	ELECTRO 10UF 50WV		
C245,246			CD04BJ1H100M	ELECTRO 10UF 50WV	89	
C251-258			CC73GCH1H220J	CHIP C 22PF J		
C301,302			CC73GCH1H221J	CHIP C 220PF J		
C303,304			CC73GCH1H101J	CHIP C 100PF J		
C305,306			CC73GCH1H221J	CHIP C 220PF J		
C307,308			CC73GCH1H101J	CHIP C 100PF J		
C309			CK73GB1H102K	CHIP C 1000PF K		
C311,312			CC73GCH1H221J	CHIP C 220PF J		
C313,314			CC73GCH1H101J	CHIP C 100PF J		
C315,316			CC73GCH1H221J	CHIP C 220PF J		
C317,318			CC73GCH1H101J	CHIP C 100PF J		
C319			CK73GB1H102K	CHIP C 1000PF K		
C321,322			CC73GCH1H221J	CHIP C 220PF J		
C323,324			CC73GCH1H101J	CHIP C 100PF J		
C331,332			CC73GCH1H221J	CHIP C 220PF J		
C333,334			CC73GCH1H101J	CHIP C 100PF J		
C337,338			CC73GCH1H101J	CHIP C 100PF J		
C341,342			CC73GCH1H221J	CHIP C 220PF J		
C343,344			CC73GCH1H101J	CHIP C 100PF J		
C345,346			CC73GCH1H221J	CHIP C 220PF J		
C347,348			CC73GCH1H101J	CHIP C 100PF J		
C351,352			CC73GCH1H221J	CHIP C 220PF J		
C355,356			CC73GCH1H221J	CHIP C 220PF J		
C361			CD04BJ1H100M	ELECTRO 10UF 50WV		
C362			CC73GCH1H102J	CHIP C 1000PF J		
C363			CC73GCH1H221J	CHIP C 220PF J		
C391-393			CK73GB1H102K	CHIP C 1000PF K	89	
C394			CC73GCH1H220J	CHIP C 22PF J	89	
C395			CD04BJ1H0R1M	ELECTRO 0.1UF 50WV	89	
C396			CC73GCH1H561J	CHIP C 560PF J	89	
C397			CD04BJ1H4R7M	ELECTRO 4.7UF 50WV	89	
C398,399			CC73GCH1H221J	CHIP C 220PF J	89	
C401			CD04BJ1A101M	ELECTRO 100UF 10WV		
C402			CC73GCH1H220J	CHIP C 22PF J		
C403			CK73GB1H104K	CHIP C 0.10UF K		
C404			CD04BJ1A101M	ELECTRO 100UF 10WV		
C405			CK73GB1H104K	CHIP C 0.10UF K		
C406			CK73GB1H103K	CHIP C 0.010UF K		
C407			CD04BJ1H100M	ELECTRO 10UF 50WV		
C408			CD04BJ1A101M	ELECTRO 100UF 10WV		
C410			CK73GB1H103K	CHIP C 0.010UF K		
C411			CD04BJ1H101M	ELECTRO 100UF 50WV		
C412			CK73GB1H104K	CHIP C 0.10UF K		
C413			CD04BJ1H100M	ELECTRO 10UF 50WV		
C414,415			CK73GB1H104K	CHIP C 0.10UF K		
C416			CD04BJ1H2R2M	ELECTRO 2.2UF 50WV		

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C417			CK73GB1H103K	CHIP C 0.010UF K		
C418,419			CD04BJ1E470M	ELECTRO 47UF 25WV		
C420			CK73GB1A105K	CHIP C 1.0UF K		
C421-423			CK73GB1H104K	CHIP C 0.10UF K		
C424			CK73GB1H103K	CHIP C 0.010UF K		
C426,427			CD04BJ1E470M	ELECTRO 47UF 25WV		
C429,430			CD04BJ1A101M	ELECTRO 100UF 10WV		
C431			CK73GB1H103K	CHIP C 0.010UF K		
C432,433			CC73GCH1H331J	CHIP C 330PF J		
C434			CK73GB1H104K	CHIP C 0.10UF K		
C435			CD04AU1E220M	NP ELEC 22UF 25WV		
C436,437			CC73GCH1H050C	CHIP C 5.0PF C		
C441			CD04BJ1C222M1	ELECTRO 2200UF 16WV		
C442			CD04BJ1C471M	ELECTRO 470UF 16WV		
C443,444			CK73GB1H104K	CHIP C 0.10UF K		
C445			CK73GB1H102K	CHIP C 1000PF K		
C446,447			CC73GCH1H102J	CHIP C 1000PF J		
C450			CK73GB1H103K	CHIP C 0.010UF K		
C502,503			CC73GCH1H101J	CHIP C 100PF J		
C504			CC73GCH1H221J	CHIP C 220PF J		
C505			CK73GB1H104K	CHIP C 0.10UF K		
C511,512			CK73GB1H104K	CHIP C 0.10UF K		
C513			CD04BJ1H100M	ELECTRO 10UF 50WV		
C514			CK73GB1H104K	CHIP C 0.10UF K		
C519			CK73GB1H103K	CHIP C 0.010UF K		
C520			CK73GB1A105K	CHIP C 1.0UF K		
C521			CK73GB1H103K	CHIP C 0.010UF K		
C522			CK73GB1H104K	CHIP C 0.10UF K		
C523			CC73GCH1H101J	CHIP C 100PF J		
C524			CK73GB1H103K	CHIP C 0.010UF K		
C525			CK73GB1H104K	CHIP C 0.10UF K		
C526-528			CK73GB1H103K	CHIP C 0.010UF K		
C529			CK73GB1H104K	CHIP C 0.10UF K		
C530			CD04BJ1H100M	ELECTRO 10UF 50WV		
C531			CK73GB1H104K	CHIP C 0.10UF K		
C532			CD04BJ1H100M	ELECTRO 10UF 50WV		
C533,534			CC73GCH1H100D	CHIP C 10PF D		
C535-537			CC73GCH1H101J	CHIP C 100PF J		
C540-542			CK73GB1H103K	CHIP C 0.010UF K		
C543			CK73GB1H104K	CHIP C 0.10UF K		
C544-546			CK73GB1H103K	CHIP C 0.010UF K		
C651			CK73GB1H104K	CHIP C 0.10UF K		
C652-663			CK73GB1H102K	CHIP C 1000PF K		
C701			CK73GB1H332K	CHIP C 3300PF K		
C702			CD04BJ1H220M	ELECTRO 22UF 50WV		
C703-705			CK73GB1H104K	CHIP C 0.10UF K		
C706,707			CD04BJ1E470M	ELECTRO 47UF 25WV		
C709-711			CK73GB1A105K	CHIP C 1.0UF K		
C713-716			CC73GCH1H101J	CHIP C 100PF J		
C717,718			CK73GB1H102K	CHIP C 1000PF K		
C719			CK73GB1H104K	CHIP C 0.10UF K		
C721,722			CC73GCH1H102J	CHIP C 1000PF J		
C801-803			CK73GB1A105K	CHIP C 1.0UF K	89	
C806			CK73GB1H104K	CHIP C 0.10UF K	89	
C807			CK73GB1C104K	CHIP C 0.10UF K	89	

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PARTS LIST

KRF-V7300D/V8300D/V9300D

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Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
C808			CD04BJ1E470M	ELECTRO 47UF 25WV	89	
C809			CK73GB1C104K	CHIP C 0.10UF K	89	
C810			CD04BJ1E470M	ELECTRO 47UF 25WV	89	
C811, 812			CD04BJ1A101M	ELECTRO 100UF 10WV	89	
C814-818			CD04BJ1A101M	ELECTRO 100UF 10WV	89	
C821-828			CK73GB1C104K	CHIP C 0.10UF K	89	
C829, 830			CC73GCH1H100D	CHIP C 10PF D	89	
C831			CK73GB1A105K	CHIP C 1.0UF K	89	
C832-850			CK73GB1C104K	CHIP C 0.10UF K	89	
C851-855			CC73GCH1H121J	CHIP C 120PF J	89	
C856-860			CC73GCH1H470J	CHIP C 47PF J	89	
C869, 870			CK73GB1H103K	CHIP C 0.010UF K	89	
C881			CK73GB1H103K	CHIP C 0.010UF K	89	
C882			CK73GB1H182K	CHIP C 1800PF K	89	
C883			CK73GB1H222K	CHIP C 2200PF K	89	
C884			CD04BJ1H220M	ELECTRO 22UF 50WV	89	
C885			CK73GB1C224K	CHIP C 0.22UF K	89	
C886			CK73GB1H103K	CHIP C 0.010UF K	89	
C901-904			CK73GB1H103K	CHIP C 0.010UF K	89	
C905			CK73GB1H103K	CHIP C 0.010UF K	89	
C906			CK73GB1H182K	CHIP C 1800PF K	89	
C907			CK73GB1H102K	CHIP C 1000PF K	89	
C908			CD04BJ1H220M	ELECTRO 22UF 50WV	89	
C909			CK73GB1C224K	CHIP C 0.22UF K	89	
C910			CK73GB1H103K	CHIP C 0.010UF K	89	
C911			CC73GCH1H470J	CHIP C 47PF J	89	
C912			CD04BJ1E470M	ELECTRO 47UF 25WV	89	
C913			CC73GCH1H470J	CHIP C 47PF J	89	
C914			CK73GB1H103K	CHIP C 0.010UF K	89	
C915			CC73GCH1H470J	CHIP C 47PF J	89	
C916			CD04BJ1E470M	ELECTRO 47UF 25WV	89	
C917			CC73GCH1H470J	CHIP C 47PF J	89	
C918			CK73GB1H103K	CHIP C 0.010UF K	89	
C919			CC73GCH1H470J	CHIP C 47PF J	89	
C920			CD04BJ1A471M	ELECTRO 470UF 10WV	89	
C921			CC73GCH1H470J	CHIP C 47PF J	89	
C922			CK73GB1H104K	CHIP C 0.10UF K	89	
C929, 930			CD04BJ1E470M	ELECTRO 47UF 25WV	89	
C931, 932			CK73GB1H103K	CHIP C 0.010UF K	89	
C933			CD04BJ1E470M	ELECTRO 47UF 25WV	89	
C934			CC73GCH1H470J	CHIP C 47PF J	89	
C935			CD04BJ1A471M	ELECTRO 470UF 10WV	89	
C936			CC73GCH1H101J	CHIP C 100PF J	89	
C937, 938			CC73GCH1H470J	CHIP C 47PF J	89	
C939			CC73GCH1H101J	CHIP C 100PF J	89	
C940			CD04BJ1A471M	ELECTRO 470UF 10WV	89	
C941, 942			CD04BJ1E470M	ELECTRO 47UF 25WV	89	
C943			CC73GCH1H100D	CHIP C 10PF D	89	
C944			CD04BJ1H010M	ELECTRO 1.0UF 50WV	89	
C945			CC73GCH1H100D	CHIP C 10PF D	89	
C946			CD04BJ1H010M	ELECTRO 1.0UF 50WV	89	
C947			CC73GCH1H100D	CHIP C 10PF D	89	
C948			CD04BJ1H010M	ELECTRO 1.0UF 50WV	89	
C949			CC73GCH1H100D	CHIP C 10PF D	89	
C950			CD04BJ1H010M	ELECTRO 1.0UF 50WV	89	

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Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
C951			CC73GCH1H100D	CHIP C 10PF D	89	
C952			CD04BJ1H010M	ELECTRO 1.0UF 50WV	89	
C953			CC73GCH1H100D	CHIP C 10PF D	89	
C954			CD04BJ1H010M	ELECTRO 1.0UF 50WV	89	
C955			CC73GCH1H820J	CHIP C 82PF J	89	
C956			CD04BJ1A471M	ELECTRO 470UF 10WV	89	
C957			CC73GCH1H100D	CHIP C 10PF D	89	
C958			CD04BJ1H010M	ELECTRO 1.0UF 50WV	89	
C959			CC73GCH1H820J	CHIP C 82PF J	89	
C960			CD04BJ1A471M	ELECTRO 470UF 10WV	89	
C961			CC73GCH1H100D	CHIP C 10PF D	89	
C962			CD04BJ1H010M	ELECTRO 1.0UF 50WV	89	
C963			CC73GCH1H820J	CHIP C 82PF J	89	
C964			CD04BJ1A471M	ELECTRO 470UF 10WV	89	
C965			CC73GCH1H100D	CHIP C 10PF D	89	
C966			CD04BJ1H010M	ELECTRO 1.0UF 50WV	89	
C971, 972			CK73GB1H103K	CHIP C 0.010UF K	89	
CN501			E41-1425-05	FLAT CABLE CONNECTOR,1.25MM,11	89	
CN502		*	E41-1474-05	FLAT CABLE CONNECTOR,1.25MM,31	89	
CN505			E41-1832-05	FLAT CABLE CONNECTOR,1MM, 7P	89	
CN506			E41-1462-05	FLAT CABLE CONNECTOR,1.25MM,19	89	
CN701			E41-1842-05	FLAT CABLE CONNECTOR,1MM,17P	89	
CN702		*	E41-1844-05	FLAT CABLE CONNECTOR,1MM,19P	89	
J301			E63-1338-05	PIN JACK	89	
J311			E63-1338-05	PIN JACK	89	
J321			E63-1407-05	PIN JACK	89	
J331		*	E63-1380-05+	PIN JACK	89	
J341			E63-1417-05	PIN JACK	89	
J361			E63-1146-15	PIN JACK	89	
J391			E11-0962-05	3.5D PHONE JACK (7P)	89	
J701		*	E58-0095-05	RECTANGULAR RECEPTACLE	89	
J881			E63-1371-05	PIN JACK	89	
J901		*	E56-0065-05	CYLINDRICAL RECEPTACLE	89	
J931, 932			E63-1374-05	PIN JACK	89	
L851-855			L41-4795-33	SMALL FIXED INDUCTOR (4.7UH,J)	89	
L856-860			L41-1005-33	SMALL FIXED INDUCTOR (10UH,J)	89	
X782			L78-0754-05	RESONATOR (10MHZ)	89	
X801		*	L77-2494-05	CRYSTAL RESONATOR (32.000MHZ,FC)	89	
CP801, 802			RK74GB1J151J	CHIP-COM 150 J 1/16W	89	
R112			RK73GB2A333J	CHIP R 33K J 1/10W	89	
R113			RK73GB2A102J	CHIP R 1.0K J 1/10W	89	
R114			RK73GB2A333J	CHIP R 33K J 1/10W	89	
R115			RK73GB2A332J	CHIP R 3.3K J 1/10W	89	
R119, 120			RK73GB2A151J	CHIP R 150 J 1/10W	89	
R131, 132			RK73GB2A2R2J	CHIP R 2.2 J 1/10W	89	
R133, 134			RK73GB2A912J	CHIP R 9.1K J 1/10W	89	
R135, 136			RK73GB2A472J	CHIP R 4.7K J 1/10W	89	
R151, 152			RK73GB2A361J	CHIP R 360 J 1/10W	89	
R153			RK73GB2A331J	CHIP R 330 J 1/10W	89	
R161, 162			RK73GB2A472J	CHIP R 4.7K J 1/10W	89	
R171, 172			RK73GB2A2R2J	CHIP R 2.2 J 1/10W	89	
R173, 174			RK73GB2A272J	CHIP R 2.7K J 1/10W	89	
R175, 176			RK73GB2A472J	CHIP R 4.7K J 1/10W	89	

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Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
R181,182			RK73GB2A2R2J	CHIP R 2.2 J 1/10W		
R183,184			RK73GB2A912J	CHIP R 9.1K J 1/10W		
R185,186			RK73GB2A472J	CHIP R 4.7K J 1/10W		
R191			RK73GB2A2R2J	CHIP R 2.2 J 1/10W		
R193			RK73GB2A912J	CHIP R 9.1K J 1/10W		
R195			RK73GB2A472J	CHIP R 4.7K J 1/10W		
R201-206			RK73GB2A101J	CHIP R 100 J 1/10W		
R207-209			RK73GB2A151J	CHIP R 150 J 1/10W		
R211-214			RK73GB2A151J	CHIP R 150 J 1/10W		
R215-218			RK73GB2A101J	CHIP R 100 J 1/10W		
R239			RK73GB2A100J	CHIP R 10 J 1/10W		
R301,302			RK73GB2A221J	CHIP R 220 J 1/10W		
R303,304			RK73GB2A224J	CHIP R 220K J 1/10W		
R305,306			RK73GB2A221J	CHIP R 220 J 1/10W		
R307,308			RK73GB2A224J	CHIP R 220K J 1/10W		
R309			RK73GB2A2R2J	CHIP R 2.2 J 1/10W		
R311,312			RK73GB2A221J	CHIP R 220 J 1/10W		
R313,314			RK73GB2A224J	CHIP R 220K J 1/10W		
R315,316			RK73GB2A221J	CHIP R 220 J 1/10W		
R317,318			RK73GB2A224J	CHIP R 220K J 1/10W		
R319			RK73GB2A2R2J	CHIP R 2.2 J 1/10W		
R321,322			RK73GB2A221J	CHIP R 220 J 1/10W		
R323,324			RK73GB2A224J	CHIP R 220K J 1/10W		
R331,332			RK73GB2A221J	CHIP R 220 J 1/10W		
R333,334			RK73GB2A224J	CHIP R 220K J 1/10W		
R335,336			RK73GB2A221J	CHIP R 220 J 1/10W		
R337,338			RK73GB2A224J	CHIP R 220K J 1/10W		
R341,342			RK73GB2A221J	CHIP R 220 J 1/10W		
R343,344			RK73GB2A224J	CHIP R 220K J 1/10W		
R345,346			RK73GB2A221J	CHIP R 220 J 1/10W		
R347,348			RK73GB2A224J	CHIP R 220K J 1/10W		
R351,352			RK73GB2A224J	CHIP R 220K J 1/10W		
R353,354			RK73GB2A220J	CHIP R 22 J 1/10W		
R355,356			RK73GB2A224J	CHIP R 220K J 1/10W		
R357,358			RK73GB2A220J	CHIP R 22 J 1/10W		
R361			RK73GB2A102J	CHIP R 1.0K J 1/10W		
R362			RK73GB2A104J	CHIP R 100K J 1/10W		
R363			RK73GB2A101J	CHIP R 100 J 1/10W		
R364			RK73GB2A102J	CHIP R 1.0K J 1/10W		
R365,366			RK73GB2A472J	CHIP R 4.7K J 1/10W		
R381,382			RK73GB2A471J	CHIP R 470 J 1/10W		
R383,384			RK73GB2A102J	CHIP R 1.0K J 1/10W		
R385,386			RK73GB2A471J	CHIP R 470 J 1/10W		
R387,388			RK73GB2A102J	CHIP R 1.0K J 1/10W		
△ R391			RK73GB2A4R7J	CHIP R 4.7 J 1/10W	89	
△ R392			RK73GB2A681J	CHIP R 680 J 1/10W	89	
△ R393			RK73GB2A4R7J	CHIP R 4.7 J 1/10W	89	
R394			RK73GB2A681J	CHIP R 680 J 1/10W	89	
R395			RK73GB2A333J	CHIP R 33K J 1/10W	89	
R396			RK73GB2A222J	CHIP R 2.2K J 1/10W	89	
R397			RK73GB2A102J	CHIP R 1.0K J 1/10W	89	
R398			RK73GB2A391J	CHIP R 390 J 1/10W	89	
R399			RK73GB2A473J	CHIP R 47K J 1/10W	89	
R401			RK73GB2A1R0J	CHIP R 1.0 J 1/10W		
R402			RK73GB2A474J	CHIP R 470K J 1/10W		

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△ R403-405			RK73GB2A1R0J	CHIP R 1.0 J 1/10W		
R406			RK73GB2A474J	CHIP R 470K J 1/10W		
R407			RK73GB2A102J	CHIP R 1.0K J 1/10W		
R408			RK73GB2A222J	CHIP R 2.2K J 1/10W		
R409			RK73GB2A473J	CHIP R 47K J 1/10W		
R410			RK73GB2A472J	CHIP R 4.7K J 1/10W		
R412			RK73GB2A2R2J	CHIP R 2.2 J 1/10W		
R413			RK73GB2A102J	CHIP R 1.0K J 1/10W		
R414,415			RK73GB2A103J	CHIP R 10K J 1/10W		
R417			RK73GB2A102J	CHIP R 1.0K J 1/10W		
R418			RK73GB2A124J	CHIP R 120K J 1/10W		
R419			RD14NB2E222J	RD 2.2K J 1/4W		
R420,421			RK73GB2A104J	CHIP R 100K J 1/10W		
R422,423			RK73GB2A473J	CHIP R 47K J 1/10W		
△ R424			RK73GB2A2R2J	CHIP R 2.2 J 1/10W		
R425			RK73GB2A104J	CHIP R 100K J 1/10W		
R426			RK73GB2A102J	CHIP R 1.0K J 1/10W		
R427,428			RK73GB2A682J	CHIP R 6.8K J 1/10W		
R429			RK73GB2A101J	CHIP R 100 J 1/10W		
R430-432			RK73GB2A103J	CHIP R 10K J 1/10W		
△ R433			RS14KB3A4R7J	FL-PROOF RS 4.7 J 1W		
R435			RK73GB2A222J	CHIP R 2.2K J 1/10W		
R437			RK73GB2A222J	CHIP R 2.2K J 1/10W		
R438			RK73GB2A391J	CHIP R 390 J 1/10W		
R441			RK73GB2A472J	CHIP R 4.7K J 1/10W		
R442			RK73GB2A222J	CHIP R 2.2K J 1/10W		
R444			RK73GB2A472J	CHIP R 4.7K J 1/10W		
R445			RK73GB2A391J	CHIP R 390 J 1/10W		
R446			RK73GB2A222J	CHIP R 2.2K J 1/10W		
R447			RK73GB2A223J	CHIP R 22K J 1/10W		
R448,449			RK73GB2A151J	CHIP R 150 J 1/10W		
R450			RK73GB2A223J	CHIP R 22K J 1/10W		
R451,452			RK73GB2A2R2J	CHIP R 2.2 J 1/10W		
R454			RK73GB2A332J	CHIP R 3.3K J 1/10W		
R455,456			RK73GB2A152J	CHIP R 1.5K J 1/10W		
R457			RK73GB2A222J	CHIP R 2.2K J 1/10W		
R459,460			RK73GB2A103J	CHIP R 10K J 1/10W		
R461,462			RK73GB2A000J	CHIP R 0.0 J 1/10W		
R463			RK73GB2A473J	CHIP R 47K J 1/10W		
R464			RK73GB2A101J	CHIP R 100 J 1/10W		
R465			RK73GB2A271J	CHIP R 270 J 1/10W		
R466			RK73GB2A151J	CHIP R 150 J 1/10W		
△ R467,468			RK73GB2A2R2J	CHIP R 2.2 J 1/10W		
R480			RK73GB2A223J	CHIP R 22K J 1/10W		
R481			RK73GB2A103J	CHIP R 10K J 1/10W		
R502-505			RK73GB2A181J	CHIP R 180 J 1/10W		
R506-508			RK73GB2A101J	CHIP R 100 J 1/10W		
R510,511			RK73GB2A272J	CHIP R 2.7K J 1/10W		
R512,513			RK73GB2A103J	CHIP R 10K J 1/10W		
R515			RK73GB2A102J	CHIP R 1.0K J 1/10W		
△ R516,517			RK73GB2A103J	CHIP R 10K J 1/10W		
△ R518			RK73GB2A100J	CHIP R 10 J 1/10W		
R520			RK73GB2A220J	CHIP R 22 J 1/10W		
△ R521			RK73GB2A100J	CHIP R 10 J 1/10W		
△ R526			RK73GB2A220J	CHIP R 22 J 1/10W		

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△ R528			RK73GB2A2R2J	CHIP R 2.2 J 1/10W		
R530			RK73GB2A104J	CHIP R 100K J 1/10W		
R532-534			RK73GB2A104J	CHIP R 100K J 1/10W		
R535,536			RK73GB2A223J	CHIP R 22K J 1/10W		
R537			RK73GB2A104J	CHIP R 100K J 1/10W		
R538-541			RK73GB2A223J	CHIP R 22K J 1/10W		
R542			RK73GB2A104J	CHIP R 100K J 1/10W		
R543			RK73GB2A473J	CHIP R 47K J 1/10W		
R544			RK73GB2A182J	CHIP R 1.8K J 1/10W		
R545			RK73GB2A473J	CHIP R 47K J 1/10W		
R546,547			RK73GB2A103J	CHIP R 10K J 1/10W		
R549			RK73GB2A104J	CHIP R 100K J 1/10W		
R550-554			RK73GB2A101J	CHIP R 100 J 1/10W		
R555,556			RK73GB2A102J	CHIP R 1.0K J 1/10W		
R557			RK73GB2A222J	CHIP R 2.2K J 1/10W		
R558,559			RK73GB2A102J	CHIP R 1.0K J 1/10W		
R561,562			RK73GB2A102J	CHIP R 1.0K J 1/10W		
R563-567			RK73GB2A101J	CHIP R 100 J 1/10W		
R569,570			RK73GB2A473J	CHIP R 47K J 1/10W		
R571,572			RK73GB2A103J	CHIP R 10K J 1/10W		
R573,574			RK73GB2A101J	CHIP R 100 J 1/10W		
R575			RK73GB2A104J	CHIP R 100K J 1/10W		
R576			RK73GB2A101J	CHIP R 100 J 1/10W		
R577			RK73GB2A222J	CHIP R 2.2K J 1/10W		
R579-581			RK73GB2A101J	CHIP R 100 J 1/10W		
R582			RK73GB2A222J	CHIP R 2.2K J 1/10W		
R583-587			RK73GB2A101J	CHIP R 100 J 1/10W		
R588			RK73GB2A472J	CHIP R 4.7K J 1/10W		
R589-592			RK73GB2A101J	CHIP R 100 J 1/10W		
R593			RK73GB2A221J	CHIP R 220 J 1/10W		
R594-596			RK73GB2A101J	CHIP R 100 J 1/10W		
R597			RK73GB2A332J	CHIP R 3.3K J 1/10W		
R598			RK73GB2A101J	CHIP R 100 J 1/10W		
R600			RK73GB2A223J	CHIP R 22K J 1/10W		
R601			RK73GB2A101J	CHIP R 100 J 1/10W		
△ R602			RK73GB2A4R7J	CHIP R 4.7 J 1/10W		
R604			RK73GB2A101J	CHIP R 100 J 1/10W		
R605			RK73GB2A472J	CHIP R 4.7K J 1/10W		
R606			RK73GB2A104J	CHIP R 100K J 1/10W	89	
R607			RK73GB2A104J	CHIP R 100K J 1/10W	97	
R608			RK73GB2A102J	CHIP R 1.0K J 1/10W		
R609			RK73GB2A223J	CHIP R 22K J 1/10W		
R612			RK73GB2A102J	CHIP R 1.0K J 1/10W		
R613			RK73GB2A223J	CHIP R 22K J 1/10W		
R614			RK73GB2A102J	CHIP R 1.0K J 1/10W		
R615-617			RK73GB2A101J	CHIP R 100 J 1/10W		
R618			RK73GB2A473J	CHIP R 47K J 1/10W		
R619,620			RK73GB2A101J	CHIP R 100 J 1/10W		
R621			RK73GB2A102J	CHIP R 1.0K J 1/10W		
R622,623			RK73GB2A101J	CHIP R 100 J 1/10W		
R624			RK73GB2A104J	CHIP R 100K J 1/10W		
R625			RK73GB2A101J	CHIP R 100 J 1/10W		
R626			RK73GB2A102J	CHIP R 1.0K J 1/10W		
R627,628			RK73GB2A101J	CHIP R 100 J 1/10W		
R629,630			RK73GB2A333J	CHIP R 33K J 1/10W		

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Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
R631			RK73GB2A101J	CHIP R 100 J 1/10W		
R632-634			RK73GB2A104J	CHIP R 100K J 1/10W		
R635			RK73GB2A102J	CHIP R 1.0K J 1/10W		
R636-644			RK73GB2A101J	CHIP R 100 J 1/10W		
R645			RK73GB2A222J	CHIP R 2.2K J 1/10W		
R646-654			RK73GB2A101J	CHIP R 100 J 1/10W		
R655,656			RK73GB2A133J	CHIP R 13K J 1/10W		
R657-661			RK73GB2A101J	CHIP R 100 J 1/10W		
R662-664			RK73GB2A104J	CHIP R 100K J 1/10W		
R665			RK73GB2A101J	CHIP R 100 J 1/10W		
△ R666,667			RK73GB2A1R0J	CHIP R 1.0 J 1/10W		
R668-672			RK73GB2A101J	CHIP R 100 J 1/10W		
R673			RK73GB2A472J	CHIP R 4.7K J 1/10W		
△ R674			RK73GB2A2R2J	CHIP R 2.2 J 1/10W		
R675			RK73GB2A472J	CHIP R 4.7K J 1/10W		
R676-681			RK73GB2A105J	CHIP R 1.0M J 1/10W		
R682-693			RK73GB2A103J	CHIP R 10K J 1/10W		
R694			RK73GB2A242J	CHIP R 2.4K J 1/10W		
R695,696			RK73GB2A182J	CHIP R 1.8K J 1/10W		
R697,698			RK73GB2A242J	CHIP R 2.4K J 1/10W		
R699,700			RK73GB2A182J	CHIP R 1.8K J 1/10W		
R701,702			RK73GB2A242J	CHIP R 2.4K J 1/10W		
R703,704			RK73GB2A182J	CHIP R 1.8K J 1/10W		
R705			RK73GB2A242J	CHIP R 2.4K J 1/10W		
R706			RK73GB2A000J	CHIP R 0.0 J 1/10W		
R710			RK73GB2A000J	CHIP R 0.0 J 1/10W		
R711,712			RK73GB2A103J	CHIP R 10K J 1/10W		
R713,714			RK73GB2A473J	CHIP R 47K J 1/10W		
R715-717			RK73GB2A103J	CHIP R 10K J 1/10W		
R718			RK73GB2A102J	CHIP R 1.0K J 1/10W		
R719-722			RK73GB2A223J	CHIP R 22K J 1/10W		
R723,724			RK73GB2A513J	CHIP R 51K J 1/10W		
△ R725,726			RK73GB2A4R7J	CHIP R 4.7 J 1/10W		
R727			RK73GB2A104J	CHIP R 100K J 1/10W		
R728,729			RK73GB2A472J	CHIP R 4.7K J 1/10W		
R731,732			RK73GB2A223J	CHIP R 22K J 1/10W		
R750			RK73GB2A103J	CHIP R 10K J 1/10W		
R751			RK73GB2A562J	CHIP R 5.6K J 1/10W		
R752			RK73GB2A103J	CHIP R 10K J 1/10W		
R753			RK73GB2A562J	CHIP R 5.6K J 1/10W		
R754			RK73GB2A103J	CHIP R 10K J 1/10W		
R755			RK73GB2A562J	CHIP R 5.6K J 1/10W		
R756			RK73GB2A103J	CHIP R 10K J 1/10W		
R757			RK73GB2A562J	CHIP R 5.6K J 1/10W		
R758			RK73GB2A103J	CHIP R 10K J 1/10W		
R759			RK73GB2A562J	CHIP R 5.6K J 1/10W		
R760,761			RK73GB2A101J	CHIP R 100 J 1/10W		
R763,764			RK73GB2A101J	CHIP R 100 J 1/10W		
R765,766			RK73GB2A472J	CHIP R 4.7K J 1/10W		
R767			RK73GB2A104J	CHIP R 100K J 1/10W		
R768			RK73GH2A5493D	CHIP R 549K D 1/10W		
R770			RK73GB2A103J	CHIP R 10K J 1/10W		
R771			RK73GB2A562J	CHIP R 5.6K J 1/10W		
R772			RK73GB2A561J	CHIP R 560 J 1/10W		
R773			RK73GB2A560J	CHIP R 56 J 1/10W		

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Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
R774			RK73GB2A391J	CHIP R 390 J 1/10W		
R775			RK73GB2A270J	CHIP R 27 J 1/10W		
R776			RK73GB2A242J	CHIP R 2.4K J 1/10W		
R777			RK73GB2A121J	CHIP R 120 J 1/10W		
R778			RK73GB2A242J	CHIP R 2.4K J 1/10W		
R779			RK73GB2A121J	CHIP R 120 J 1/10W		
R780			RK73GB2A242J	CHIP R 2.4K J 1/10W		
R781			RK73GB2A121J	CHIP R 120 J 1/10W		
R782			RK73GB2A242J	CHIP R 2.4K J 1/10W		
R783			RK73GB2A121J	CHIP R 120 J 1/10W		
R784			RK73GB2A103J	CHIP R 10K J 1/10W		
R785			RK73GB2A000J	CHIP R 0.0 J 1/10W		
R786		*	RK73GH2A4992D	CHIP R 49.9K D 1/10W		
R787			RK73GH2A753D	CHIP R 75K D 1/10W		
R788		*	RK73GH2A4992D	CHIP R 49.9K D 1/10W		
R789			RK73GH2A753D	CHIP R 75K D 1/10W		
R790,791			RK73GB2A103J	CHIP R 10K J 1/10W		
R792			RK73GB2A750J	CHIP R 75 J 1/10W		
R801			RK73GB2A102J	CHIP R 1.0K J 1/10W	89	
R802,803			RK73GB2A750J	CHIP R 75 J 1/10W	89	
R804			RK73GB2A102J	CHIP R 1.0K J 1/10W	89	
R805,806			RK73GB2A750J	CHIP R 75 J 1/10W	89	
R808			RK73GB2A103J	CHIP R 10K J 1/10W	89	
R809,810			RK73GB2A472J	CHIP R 4.7K J 1/10W	89	
R811-818			RK73GB2A2R2J	CHIP R 2.2 J 1/10W	89	
R821			RK73GB2A102J	CHIP R 1.0K J 1/10W	89	
R825,826			RK73GB2A103J	CHIP R 10K J 1/10W	89	
R827			RK73GB2A105J	CHIP R 1.0M J 1/10W	89	
R828			RK73GB2A102J	CHIP R 1.0K J 1/10W	89	
R829			RK73GB2A2R2J	CHIP R 2.2 J 1/10W	89	
R830,831			RK73GB2A000J	CHIP R 0.0 J 1/10W	89	
R834			RK73GB2A470J	CHIP R 47 J 1/10W	89	
R835,836			RK73GB2A101J	CHIP R 100 J 1/10W	89	
R837			RK73GB2A221J	CHIP R 220 J 1/10W	89	
R838			RK73GB2A102J	CHIP R 1.0K J 1/10W	89	
R839			RK73GH2A102D	CHIP R 1.0K D 1/10W	89	
R840			RK73GB2A301J	CHIP R 300 J 1/10W	89	
R844			RK73GB2A103J	CHIP R 10K J 1/10W	89	
R864,865			RK73GB2A101J	CHIP R 100 J 1/10W	89	
R866-868			RK73GH2A301D	CHIP R 300 D 1/10W	89	
R869,870			RK73GB2A2R2J	CHIP R 2.2 J 1/10W	89	
R871-876			RK73GB2A750J	CHIP R 75 J 1/10W	89	
R877-880			RK73GB2A102J	CHIP R 1.0K J 1/10W	89	
R881			RK73GB2A2R2J	CHIP R 2.2 J 1/10W	89	
R882			RK73GB2A223J	CHIP R 22K J 1/10W	89	
R883			RK73GB2A562J	CHIP R 5.6K J 1/10W	89	
R884,885			RK73GB2A103J	CHIP R 10K J 1/10W	89	
R886			RK73GB2A104J	CHIP R 100K J 1/10W	89	
R887			RK73GB2A101J	CHIP R 100 J 1/10W	89	
R888			RK73GB2A474J	CHIP R 470K J 1/10W	89	
R889			RK73GB2A103J	CHIP R 10K J 1/10W	89	
R890			RK73GB2A153J	CHIP R 15K J 1/10W	89	
R891			RK73GB2A103J	CHIP R 10K J 1/10W	89	
R892			RK73GB2A222J	CHIP R 2.2K J 1/10W	89	
R896			RK73GB2A000J	CHIP R 0.0 J 1/10W	7	

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Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
R897			RK73GB2A000J	CHIP R 0.0 J 1/10W	89	
R899			RK73GB2A102J	CHIP R 1.0K J 1/10W	89	
R900			RK73GH2A301D	CHIP R 300 D 1/10W		
R901,902			RK73GB2A2R2J	CHIP R 2.2 J 1/10W		
R903			RK73GB2A103J	CHIP R 10K J 1/10W		
R904			RK73GH2A301D	CHIP R 300 D 1/10W		
R905,906			RK73GB2A2R2J	CHIP R 2.2 J 1/10W		
R907			RK73GB2A2R2J	CHIP R 2.2 J 1/10W	89	
R908			RK73GB2A223J	CHIP R 22K J 1/10W	89	
R909			RK73GB2A562J	CHIP R 5.6K J 1/10W	89	
R910,911			RK73GB2A103J	CHIP R 10K J 1/10W	89	
R912			RK73GB2A104J	CHIP R 100K J 1/10W	89	
R913			RK73GB2A101J	CHIP R 100 J 1/10W	89	
R914			RK73GB2A474J	CHIP R 470K J 1/10W	89	
R915			RK73GB2A103J	CHIP R 10K J 1/10W	89	
R916			RK73GB2A153J	CHIP R 15K J 1/10W	89	
R917			RK73GB2A103J	CHIP R 10K J 1/10W	89	
R918			RK73GB2A222J	CHIP R 2.2K J 1/10W	89	
R919-922			RK73GB2A750J	CHIP R 75 J 1/10W		
R923			RK73GB2A104J	CHIP R 100K J 1/10W		
R924			RK73GB2A750J	CHIP R 75 J 1/10W		
R925			RK73GB2A104J	CHIP R 100K J 1/10W		
R926			RK73GB2A750J	CHIP R 75 J 1/10W		
R930			RK73GB2A102J	CHIP R 1.0K J 1/10W		
R931,932			RK73GB2A2R2J	CHIP R 2.2 J 1/10W		
R933			RK73GB2A102J	CHIP R 1.0K J 1/10W		
R934,935			RK73GB2A750J	CHIP R 75 J 1/10W		
R936			RK73GB2A104J	CHIP R 100K J 1/10W		
R937,938			RK73GB2A750J	CHIP R 75 J 1/10W		
R939			RK73GB2A104J	CHIP R 100K J 1/10W		
R940			RK73GB2A750J	CHIP R 75 J 1/10W		
R941-943			RK73GB2A000J	CHIP R 0.0 J 1/10W	7	
R944			RK73GB2A102J	CHIP R 1.0K J 1/10W		
R945-950			RK73GB2A750J	CHIP R 75 J 1/10W		
R951			RK73GB2A104J	CHIP R 100K J 1/10W		
R952			RK73GB2A750J	CHIP R 75 J 1/10W		
R953			RK73GB2A104J	CHIP R 100K J 1/10W		
R954			RK73GB2A750J	CHIP R 75 J 1/10W		
R955			RK73GB2A104J	CHIP R 100K J 1/10W		
R956-959			RK73GB2A750J	CHIP R 75 J 1/10W		
R960			RK73GB2A102J	CHIP R 1.0K J 1/10W		
R961-966			RK73GB2A750J	CHIP R 75 J 1/10W	9	
R967-969			RK73GB2A103J	CHIP R 10K J 1/10W	9	
R970			RK73GB2A102J	CHIP R 1.0K J 1/10W		
R971,972			RK73GB2A2R2J	CHIP R 2.2 J 1/10W		
R973			RK73GB2A102J	CHIP R 1.0K J 1/10W		
R981			RK73GB2A102J	CHIP R 1.0K J 1/10W		
D207,208			1SS402-F	DIODE		
D301			1SS302-F	DIODE		
D311			1SS302-F	DIODE		
D391			UDZW4.7 (B)	ZENER DIODE	89	
D392,393			UDZW18 (B)	ZENER DIODE	89	
D401			UDZW3.9 (B)	ZENER DIODE		
D402			1SS355	DIODE		

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PARTS LIST

KRF-V7300D/V8300D/V9300D

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Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
Δ D403			UDZW5.6 (B)	ZENER DIODE		
D404-408			1SS355	DIODE		
D409		*	UDZW11 (B)	ZENER DIODE		
D410			UDZW6.2 (B)	ZENER DIODE		
D411			UDZW5.6 (B)	ZENER DIODE		
Δ D412			UDZW5.1 (B)	ZENER DIODE		
D413-416			1SS355	DIODE		
D418			1SS355	DIODE		
D419			UDZW3.3 (B)	ZENER DIODE		
D420,421			1SS355	DIODE		
D422			UDZW6.2 (B)	ZENER DIODE		
D423,424			1SS355	DIODE		
D425,426			UDZW3.3 (B)	ZENER DIODE		
D428			UDZW6.2 (B)	ZENER DIODE		
D501-503			1SS355	DIODE		
D701			1SS302-F	DIODE		
D709			1SS302-F	DIODE	89	
D881			1SS302-F	DIODE	89	
D901			1SS302-F	DIODE		
IC111			NJM4565MD-ZB	ANALOGUE IC		
IC131			NJM4565MD-ZB	ANALOGUE IC		
IC171			NJM4565MD-ZB	ANALOGUE IC		
IC181			NJM4565MD-ZB	ANALOGUE IC		
IC191			NJM4565MD-ZB	ANALOGUE IC		
IC204			R2S15205FP	ANALOGUE IC		
IC391			NJM4565MD-ZB	ANALOGUE IC	89	
IC401			XC62HR4102PRN	ANALOGUE IC		
Δ IC402		*	KIA78R05PI-P	ANALOGUE IC		
Δ IC403			KIA7905PI-P	ANALOGUE IC		
IC501,502			TC74HCT7007FF	MOS-IC		
IC503		*	MF1341S2160	MOS-IC		
IC505			M24C08-RDW6TP	ROM IC		
IC506		*	MN101EF16K1CLA	MICROCONTROLLER IC		
IC507		*	NJU3718AM-ZB	MOS-IC		
IC651-653			BA2903F	ANALOGUE IC		
IC701			MIC2005-05YM6	MOS-IC		
Δ IC702			NJM4565MD-ZB	ANALOGUE IC		
Δ IC782			XC6201P332PRN	ANALOGUE IC		
IC783		*	NJM2830U109ZB	ANALOGUE IC		
IC784			XC61CN2702MRN	ANALOGUE IC		
IC801		*	ML86V7668AT03	MOS-IC	89	
IC802		*	ML86V7656T03	MOS-IC	89	
IC803			74AHC1GU04GW	MOS-IC	89	
IC804		*	NJM2820F-ZB	ANALOGUE IC	89	
Δ IC811			XC6203P332FRN	ANALOGUE IC	89	
Δ IC812		*	XC6214P252PN	ANALOGUE IC	89	
IC880			NJM2586AM-ZB	ANALOGUE IC	89	
IC881			NJM4565M-ZB	ANALOGUE IC	89	
IC901,902			NJM2279M-ZB	ANALOGUE IC		
IC903			NJM4565M-ZB	ANALOGUE IC	89	
IC904			NJM2595M-ZB	ANALOGUE IC		
IC931			NJM2586AM-ZB	ANALOGUE IC		
Q306			2SC4213 (B)-F	TRANSISTOR		
Q363			2SC4213 (B)-F	TRANSISTOR		
Q381,382			2SC4213 (B)-F	TRANSISTOR		

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Q385,386			2SC4213 (B)-F	TRANSISTOR		
Q391			DTA143TSA	DIGITAL TRANSISTOR	89	
Q401			2SA1576A (R,S)	TRANSISTOR		
Δ Q402-404			2SC408 1(R,S)	TRANSISTOR		
Q405			2SB1640-Q	TRANSISTOR		
Q406			2SC4081 (R,S)	TRANSISTOR		
Q407			2SA1576A (R,S)	TRANSISTOR		
Q408			2SC4081 (R,S)	TRANSISTOR		
Δ Q409,410			2SA1576A (R,S)	TRANSISTOR		
Q412			2SC4081 (R,S)	TRANSISTOR		
Q413			2SA1576A (R,S)	TRANSISTOR		
Q415			2SC4081 (R,S)	TRANSISTOR		
Q416,417			2SA1576A (R,S)	TRANSISTOR		
Q418			2SC4081 (R,S)	TRANSISTOR		
Q419,420			2SA1576A (R,S)	TRANSISTOR		
Q421			2SC4081 (R,S)	TRANSISTOR		
Δ Q422		*	2SA1576A (R,S)	TRANSISTOR		
Q423		*	2SC1627-F (Y)	TRANSISTOR		
Δ Q424		*	2SA817-F (Y)	TRANSISTOR		
Q425,426			2SK879-F (Y,GR)	FET		
Q651			2SA1576A (R,S)	TRANSISTOR		
Q701,702			DTC124EUA	DIGITAL TRANSISTOR		
Q703			2SA1576A (R,S)	TRANSISTOR		
Q750			2SC4081 (R,S)	TRANSISTOR		
Q751			DTC124EUA	DIGITAL TRANSISTOR		
Q752			2SC4081 (R,S)	TRANSISTOR		
Q753			DTC124EUA	DIGITAL TRANSISTOR		
Q754			2SC4081 (R,S)	TRANSISTOR		
Q755			DTC124EUA	DIGITAL TRANSISTOR		
Q756			2SC4081 (R,S)	TRANSISTOR		
Q757			DTC124EUA	DIGITAL TRANSISTOR		
Q758			2SC4081 (R,S)	TRANSISTOR		
Q759			DTC124EUA	DIGITAL TRANSISTOR		
Q760			2SC4081 (R,S)	TRANSISTOR		
Q761			DTC124EUA	DIGITAL TRANSISTOR		
Q801			2SC4081 (R,S)	TRANSISTOR	89	
Q881			2SC4081 (R,S)	TRANSISTOR	89	
Q902			2SC4081 (R,S)	TRANSISTOR	89	
Q903			DTA124EUA	DIGITAL TRANSISTOR	89	
Q981-983			2SC4081 (R,S)	TRANSISTOR	9	
AUDIO (X09-7052-70)						
C1,2			CC73GCH1H102J	CHIP C	1000PF	J
C3,4			CD04BJ1H2R2M	ELECTRO	2.2UF	50WV
C5,6			CC73GCH1H681J	CHIP C	680PF	J
C7,8			CC73GCH1H391J	CHIP C	390PF	J
C9,10			CD04BJ1V330M	ELECTRO	33UF	35WV
C11,12			CC73GCH1H220J	CHIP C	22PF	J
C13-16			CF92JV1H224J	FILM	0.22UF	J
C17-24			CK73GB1H223K	CHIP C	0.022UF	K
C25,26			CD04BJ1H2R2M	ELECTRO	2.2UF	50WV
C27,28			CC73GCH1H681J	CHIP C	680PF	J
C29,30			CC73GCH1H391J	CHIP C	390PF	J
C31,32			CD04BJ1V330M	ELECTRO	33UF	35WV
C33,34			CC73GCH1H220J	CHIP C	22PF	J
C35-38			CF92JV1H224J	FILM	0.22UF	J

L: Scandinavia K: USA P: Canada R: Mexico C: China I: Malaysia
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Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
C39-46 C47,48 C49-53 C101 C102			CK73GB1H223K CD04BJ1H220M CD04BJ1H100M CD04BJ1H2R2M CC73GCH1H681J	CHIP C 0.022UF K ELECTRO 22UF 50WV ELECTRO 10UF 50WV ELECTRO 2.2UF 50WV CHIP C 680PF J		
C103 C104 C105 C106,107 C108,109			CC73GCH1H391J CD04BJ1V330M CC73GCH1H220J CF92JV1H224J CK73GB1H223K	CHIP C 390PF J ELECTRO 33UF 35WV CHIP C 22PF J FILM 0.22UF J CHIP C 0.022UF K		
C201,202 C203 C204,205 C206,207 C208,209			CC73GCH1H100D CK73GB1H152K CC73GCH1H471J CD04BJ1A101M CC73GCH1H080D	CHIP C 10PF D CHIP C 1500PF K CHIP C 470PF J ELECTRO 100UF 10WV CHIP C 8.0PF D		
C210 C211 C212 C213 C214			CK73GB1H152K CD04BJ1H4R7M CD04BJ1A101M CC73GCH1H390J CD04BJ1H4R7M	CHIP C 1500PF K ELECTRO 4.7UF 50WV ELECTRO 100UF 10WV CHIP C 39PF J ELECTRO 4.7UF 50WV		
C215 C216 C217,218 C219-222 C223,224			CD04BJ1A101M CC73GCH1H390J CC73GCH1H221J CC73GCH1H220J CC73GCH1H100D	ELECTRO 100UF 10WV CHIP C 39PF J CHIP C 220PF J CHIP C 22PF J CHIP C 10PF D		
C225 C226,227 C228 C229 C230-233			CC73GCH1H050C CC73GCH1H100D CC73GCH1H050C CC73GCH1H221J CC73GCH1H101J	CHIP C 5.0PF C CHIP C 10PF D CHIP C 5.0PF C CHIP C 220PF J CHIP C 100PF J		
C234,235 C236,237 C240 C241,242 C243-246			CD04BJ1A101M CC73GCH1H221J CC73GCH1H221J CK73GB1H472K CF92JV1H224J	ELECTRO 100UF 10WV CHIP C 220PF J CHIP C 220PF J CHIP C 4700PF K FILM 0.22UF J		
C247,248 C249,250 C251,252 C253,254 C255			CC73GCH1H070D CC73GCH1H100D CK73GB1H152K CC73GCH1H100D CC73GCH1H102J	CHIP C 7.0PF D CHIP C 10PF D CHIP C 1500PF K CHIP C 10PF D CHIP C 1000PF J		
C256,257 C258 C259,260 C301 C302			CD04BJ1E470M CC73GCH1H102J CD04BJ1E470M CD04AU1H2R2M CD04BJ1E470M	ELECTRO 47UF 25WV CHIP C 1000PF J ELECTRO 47UF 25WV NP-ELEC 2.2UF 50WV ELECTRO 47UF 25WV		
C303 C304 C305 C306 C307			CD04BJ1H100M CD04BJ1H010M CD04BJ1V330M CD04BJ1A101M CD04BJ1H010M	ELECTRO 10UF 50WV ELECTRO 1.0UF 50WV ELECTRO 33UF 35WV ELECTRO 100UF 10WV ELECTRO 1.0UF 50WV		
C308 C309 C311-315 C316 C503,504			CD04BJ1H100M CD04BJ1E470M CK73GB1H472K CD04AU1H2R2M C90-5775-05	ELECTRO 10UF 50WV ELECTRO 47UF 25WV CHIP C 4700PF K NP-ELEC 2.2UF 50WV ELECTRO 4700UF 75WV		

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Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
C505,506 C507 C508 C509,510 C511			CF92JV1H104J CD04BJ1E222M1 CD04BJ1E102M1 CK73GB1H104K CD04BJ1E101M	FILM 0.1UF J ELECTRO 2200UF 25WV ELECTRO 1000UF 25WV CHIP C 0.10UF K ELECTRO 100UF 25WV		
C512 C513,514 C520 C522,523 C524,525			CD04BJ1E470M CC73GCH1H102J CK73GB1H223K CD04BJ2A100M CD04BJ1J330M	ELECTRO 47UF 25WV CHIP C 1000PF J CHIP C 0.022UF K ELECTRO 10UF 100WV ELECTRO 33UF 63WV		
C526,527 C528,529 C801-804 C805 C806			CK73GB1H104K CK73EB1E105K C91-1567-05 CD04BJ1J101M CD04BJ1J330M	CHIP C 0.10UF K CHIP C 1.0UF K FILM 0.1UF J ELECTRO 100UF 63WV ELECTRO 33UF 63WV		
CN802 J5,6 J7 J8			E41-1433-05 E70-1018-05+ E70-1009-05+ E70-1018-05+	FLAT CABLE CONNECTOR,1.25MM,19 SCREW TERMINAL BOARD SCREW TERMINAL BOARD SCREW TERMINAL BOARD		
L1-7			L39-1631-05+	PHASE COMPENSATION COIL		
△ CP1,2 R1,2 R3 R4 R5,6 R7,8 R9,10 R11,12 R13,14 R15,16 R17,18 R19,20 R23-26 R27,28 R29,30 R31,32 R33,34 R35,36 R37,38 R39,40 R41,42 R43,44 R47-50 R51,52 R53,54 R55-58 R61 R101 R102 R103 R104 R105 R106 R108,109			R90-0187-05 RK73GB2A112J RK73GB2A473J RK73GB2A1R0J RK73GB2A222J RK73GB2A112J RK73GB2A122J RK73GB2A104J RK73GB2A563J RK73GB2A101J RK73GB2A362J RK73GB2A102J RS14KB3DR22J RD14NB2E4R7J RS14KB3D4R7J RS14KB3D391J RK73GB2A222J RK73GB2A104J RK73GB2A563J RK73GB2A101J RK73GB2A362J RK73GB2A102J RS14KB3DR22J RD14NB2E4R7J RS14KB3D4R7J RK73GB2A222J RK73GB2A000J RK73GB2A112J RK73GB2A104J RK73GB2A563J RK73GB2A101J RK73GB2A362J RK73GB2A102J RS14KB3DR22J RD14NB2E4R7J RS14KB3DR22J RK73GB2A222J RK73GB2A000J RK73GB2A112J RK73GB2A104J RK73GB2A563J RK73GB2A101J RK73GB2A362J RK73GB2A102J RS14KB3DR22J	MULTI-COMP 0.22X2 K 5W CHIP R 1.1K J 1/10W CHIP R 47K J 1/10W CHIP R 1.0 J 1/10W CHIP R 2.2K J 1/10W CHIP R 1.1K J 1/10W CHIP R 1.2K J 1/10W CHIP R 100K J 1/10W CHIP R 56K J 1/10W CHIP R 100 J 1/10W CHIP R 3.6K J 1/10W CHIP R 1.0K J 1/10W FL-PROOF RS 0.22 J 2W RD 4.7 J 1/4W FL-PROOF RS 4.7 J 2W FL-PROOF RS 390 J 2W CHIP R 2.2K J 1/10W CHIP R 100K J 1/10W CHIP R 56K J 1/10W CHIP R 100 J 1/10W CHIP R 3.6K J 1/10W CHIP R 1.0K J 1/10W FL-PROOF RS 0.22 J 2W RD 4.7 J 1/4W FL-PROOF RS 4.7 J 2W CHIP R 2.2K J 1/10W CHIP R 0.0 J 1/10W CHIP R 1.1K J 1/10W CHIP R 100K J 1/10W CHIP R 56K J 1/10W CHIP R 100 J 1/10W CHIP R 3.6K J 1/10W CHIP R 1.0K J 1/10W FL-PROOF RS 0.22 J 2W		

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PARTS LIST

KRF-V7300D/V8300D/V9300D

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Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
R110			RD14NB2E4R7J	RD 4.7 J 1/4W		
R111			RS14KB3D4R7J	FL-PROOF RS 4.7 J 2W		
R112			RK73GB2A153J	CHIP R 15K J 1/10W		
R113			RK73GB2A333J	CHIP R 33K J 1/10W		
R114			RK73GB2A112J	CHIP R 1.1K J 1/10W		
R203			RK73GB2A302J	CHIP R 3.0K J 1/10W		
R204			RK73GB2A104J	CHIP R 100K J 1/10W		
R205			RK73GB2A390J	CHIP R 39 J 1/10W		
R206,207			RK73GB2A302J	CHIP R 3.0K J 1/10W		
R208			RK73EB2E000J	CHIP R 0.0 J 1/4W		
R209			RK73GB2A104J	CHIP R 100K J 1/10W		
R210			RK73GB2A390J	CHIP R 39 J 1/10W		
R213			RK73EB2E000J	CHIP R 0.0 J 1/4W		
R214			RK73GB2A302J	CHIP R 3.0K J 1/10W		
R215			RK73GB2A222J	CHIP R 2.2K J 1/10W		
R216			RK73GB2A000J	CHIP R 0.0 J 1/10W		
R217			RK73GB2A102J	CHIP R 1.0K J 1/10W		
R219			RK73GB2A222J	CHIP R 2.2K J 1/10W		
R220,221			RK73GB2A151J	CHIP R 150 J 1/10W		
R222			RK73GB2A222J	CHIP R 2.2K J 1/10W		
R223			RK73GB2A911J	CHIP R 910 J 1/10W		
R224			RK73GB2A102J	CHIP R 1.0K J 1/10W		
R226			RK73GB2A222J	CHIP R 2.2K J 1/10W		
R228,229			RK73GB2A431J	CHIP R 430 J 1/10W		
R230-234			RK73GB2A911J	CHIP R 910 J 1/10W		
R235,236			RK73GB2A121J	CHIP R 120 J 1/10W		
R237,238			RK73GB2A472J	CHIP R 4.7K J 1/10W		
R241,242			RK73GB2A102J	CHIP R 1.0K J 1/10W		
R243,244			RK73GB2A221J	CHIP R 220 J 1/10W		
R245-247			RK73GB2A470J	CHIP R 47 J 1/10W		
R248,249			RK73GB2A222J	CHIP R 2.2K J 1/10W		
R250,251			RK73GB2A221J	CHIP R 220 J 1/10W		
R252			RK73GB2A470J	CHIP R 47 J 1/10W		
R253,254			RK73GB2A303J	CHIP R 30K J 1/10W		
R255,256			RK73GB2A912J	CHIP R 9.1K J 1/10W		
R257,258			RK73GB2A471J	CHIP R 470 J 1/10W		
R259-264			RK73GB2A473J	CHIP R 47K J 1/10W		
R265,266			RD14NB2E4R7J	RD 4.7 J 1/4W		
R267,268			RS14KB3D4R7J	FL-PROOF RS 4.7 J 2W		
R269,270			RK73GB2A100J	CHIP R 10 J 1/10W		
R271,272			RK73GB2A225J	CHIP R 2.2M J 1/10W		
R273,274			RK73GB2A100J	CHIP R 10 J 1/10W		
R275			RK73GB2A2R2J	CHIP R 2.2 J 1/10W		
R276			RK73GB2A102J	CHIP R 1.0K J 1/10W		
R277			RK73GB2A2R2J	CHIP R 2.2 J 1/10W		
R278			RK73GB2A561J	CHIP R 560 J 1/10W		
R279			RK73GB2A2R2J	CHIP R 2.2 J 1/10W		
R280			RK73GB2A102J	CHIP R 1.0K J 1/10W		
R281			RK73GB2A2R2J	CHIP R 2.2 J 1/10W		
R282			RK73GB2A561J	CHIP R 560 J 1/10W		
R301			RK73GB2A272J	CHIP R 2.7K J 1/10W		
R302-305			RK73GB2A103J	CHIP R 10K J 1/10W		
R306			RK73GB2A104J	CHIP R 100K J 1/10W		
R307			RK73GB2A330J	CHIP R 33 J 1/10W		
R308			RK73GB2A104J	CHIP R 100K J 1/10W		

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Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
R309			RK73GB2A102J	CHIP R 1.0K J 1/10W		
R310-313			RK73GB2A104J	CHIP R 100K J 1/10W		
R314-317			RK73GB2A202J	CHIP R 2.0K J 1/10W		
R318			RK73GB2A473J	CHIP R 47K J 1/10W		
R320			RK73GB2A152J	CHIP R 1.5K J 1/10W		
R321			RK73GB2A102J	CHIP R 1.0K J 1/10W		
R322			RK73GB2A473J	CHIP R 47K J 1/10W		
R323			RK73GB2A102J	CHIP R 1.0K J 1/10W		
R324			RK73GB2A473J	CHIP R 47K J 1/10W		
R325			RK73GB2A333J	CHIP R 33K J 1/10W		
R326			RK73GB2A561J	CHIP R 560 J 1/10W		
R327			RK73GB2A103J	CHIP R 10K J 1/10W		
R328			RK73GB2A102J	CHIP R 1.0K J 1/10W		
R329,330			RK73GB2A473J	CHIP R 47K J 1/10W		
R331			RK73GB2A562J	CHIP R 5.6K J 1/10W		
R332-338			RK73GB2A473J	CHIP R 47K J 1/10W		
R340,341			RK73GB2A473J	CHIP R 47K J 1/10W		
R344			RK73GB2A473J	CHIP R 47K J 1/10W		
R345			RK73GB2A333J	CHIP R 33K J 1/10W		
R346			RK73GB2A473J	CHIP R 47K J 1/10W		
R347			RK73GB2A362J	CHIP R 3.6K J 1/10W		
R349-351			RK73GB2A471J	CHIP R 470 J 1/10W		
R352-354			RK73GB2A912J	CHIP R 9.1K J 1/10W		
R355-357			RK73GB2A303J	CHIP R 30K J 1/10W		
R358,359			RK73GB2A471J	CHIP R 470 J 1/10W		
R360,361			RK73GB2A912J	CHIP R 9.1K J 1/10W		
R362,363			RK73GB2A303J	CHIP R 30K J 1/10W		
R364			RK73GB2A102J	CHIP R 1.0K J 1/10W		
R367			RK73GB2A102J	CHIP R 1.0K J 1/10W		
R369			RK73GB2A102J	CHIP R 1.0K J 1/10W		
R371,372			RK73GB2A102J	CHIP R 1.0K J 1/10W		
R374			RK73GB2A102J	CHIP R 1.0K J 1/10W		
R512			RK73GB2A473J	CHIP R 47K J 1/10W		
R513			RK73GB2A2R2J	CHIP R 2.2 J 1/10W		
R514,515			RK73GB2A1R0J	CHIP R 1.0 J 1/10W		
R516,517			RK73GB2A000J	CHIP R 0.0 J 1/10W		
R518			RS14KB3D102J	FL-PROOF RS 1.0K J 2W		
R519,520			RS14KB3D182J	FL-PROOF RS 1.8K J 2W		
R521			RS14KB3D220J	FL-PROOF RS 22 J 2W		
R524			RK73GB2A561J	CHIP R 560 J 1/10W		
R525			RK73GB2A132J	CHIP R 1.3K J 1/10W		
R526			RK73GB2A473J	CHIP R 47K J 1/10W		
R527,528			RD14NB2E1R0J	RD 1.0 J 1/4W		
R529			RK73GB2A102J	CHIP R 1.0K J 1/10W		
R530-533			RK73GB2A1R0J	CHIP R 1.0 J 1/10W		
R534,535			RK73GB2A000J	CHIP R 0.0 J 1/10W		
R536,537			RK73GB2A221J	CHIP R 220 J 1/10W		
R538,539			RK73GB2A000J	CHIP R 0.0 J 1/10W		
R540,541			RK73GB2A473J	CHIP R 47K J 1/10W		
R542,543			RK73GB2A102J	CHIP R 1.0K J 1/10W		
R701			RK73GB2A000J	CHIP R 0.0 J 1/10W		
R802			RK73GB2A000J	CHIP R 0.0 J 1/10W		
R806			RS14KB3D122J	FL-PROOF RS 1.2K J 2W		
VR1-4			R32-0340-05	SEMI FIXED VARIABLE RESISTOR		

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Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
K1-6 K801		*	S76-0150-05 S76-0152-05	MAGNETIC RELAY MAGNETIC RELAY		
D1-9 D203-206 D209,210 D301,302 D304			1SS133 1SS133 UDZW8.2 (B) UDZW3.3 (B) DAN202U	DIODE DIODE ZENER DIODE ZENER DIODE DIODE		
D305 D306 D307 D308 D309,310			UDZW3.3 (B) 1SS133 1SS355 1SS133 DAN202U	ZENER DIODE DIODE DIODE DIODE DIODE		
D311,312 D314,315 D316-321 D322 D502-505			1SS133 DAN202U 1SS133 1SS355 1SR139-400T64	DIODE DIODE DIODE DIODE DIODE		
D516 D517 D518 D519 D520		*	UDZW13 (B) UDZW15 (B) UDZW8.2 (B) UDZW5.6 (B) UDZW18 (B)	ZENER DIODE ZENER DIODE ZENER DIODE ZENER DIODE ZENER DIODE		
D521 D523-527 D801,802 D803,804 D805			UDZW24 (B) 1SS355 TS6P03G-B 1SR139-400T64 1SS355	ZENER DIODE DIODE DIODE DIODE DIODE		
IC1 IC2 IC3 IC4 Q1,2			STK433-330-E STK433-130-E KIA7812API-UP KIA7912API-UP DTC643TU	HYBRID IC HYBRID IC ANALOGUE IC ANALOGUE IC DIGITAL TRANSISTOR		
Q3,4 Q5-8 Q101 Q201,202 Q203			2SC2878 (B)-F DTC643TU DTC643TU 2SK364F (GR,BL) 2SC4081 (R,S)	TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR FET TRANSISTOR		
Q204,205 Q206 Q207,208 Q209-212 Q213,214			2SK364F (GR,BL) 2SC4081 (R,S) IMX8 2SA970-F (BL) 2SC2240-F (BL)	FET TRANSISTOR DUAL TRANSISTOR TRANSISTOR TRANSISTOR		
Q215,216 Q217,218 Q219,220 Q221,222 Q223,224		*	2SA970-F (BL) TRAIT10N TRAIT10P 2SC2240-F (BL) 2SK879-F (Y,GR)	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR FET		
Q225-228 Q229,230 Q301,302 Q303,304 Q305			2SC4081 (R,S) 2SA1576A (R,S) 2SA1576A (R,S) 2SC4081 (R,S) 2SA1576A (R,S)	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
Q306,307 Q308			2SC4081 (R,S) 2SA1576A (R,S)	TRANSISTOR TRANSISTOR		

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Q309-313 Q314-319 Q505 Q506 Q507		*	2SC2240-F (BL) DTC113ZUA 2SA1576A (R,S) 2SD2525-Q 2SB1640-Q	TRANSISTOR DIGITAL TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
Q508,509 Q510 Q511 Q512,513 Q514			2SK879-F (Y,GR) 2SC4081 (R,S) 2SA1576A (R,S) 2SC4081 (R,S) 2SA1576A (R,S)	FET TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
Q515,516 Q801 TH1-4			2SC4081 (R,S) DTC124EUA NCP18WB473J0S	TRANSISTOR DIGITAL TRANSISTOR THERMISTOR		
DISPLAY (X14-8112-70)						
D1 D2			B30-2597-05 B30-2702-05	LED (RED HI-BRIGHT) LED (WHITE,3-PHI)		
C1 C3 C4-9 C10,11 C14			CC73GCH1H102J CD04BJ1A101M CK73GB1H103K CC73GCH1H561J CK73GB1H104K	CHIP C ELECTRO CHIP C CHIP C CHIP C	1000PF 100UF 0.010UF 560PF 0.10UF	J 10WV K J K
C15 C16 C17 C18-20 C21			CD04AT1H330M CK73GB1H103K CK73GB1H152K CC73GCH1H470J CD04AT1H330M	ELECTRO CHIP C CHIP C CHIP C ELECTRO	33UF 0.010UF 1500PF 47PF 33UF	50WV K K J 50WV
C30,31 C101,102 C201 C202 C203			CC73GCH1H100D CC73GCH1H471J CK73GB1H103K CD04BJ1A222M1 CK73GB1H103K	CHIP C CHIP C CHIP C ELECTRO CHIP C	10PF 470PF 0.010UF 2200UF 0.010UF	D J K 10WV K
C204 C301-303 C305,306 C307 C311,312			C91-1643-05 CC73GCH1H101J CC73GCH1H102J CC73GCH1H101J CK73GB1H103K	MF-C CHIP C CHIP C CHIP C CHIP C	6800PF 100PF 1000PF 100PF 0.010UF	J J J J K
C321,322 C323,324 C325,326 C331 C332			CK73GB1A105K CC73GCH1H220J CK73GB1H104K CK73GB1H103K CC73GCH1H101J	CHIP C CHIP C CHIP C CHIP C CHIP C	1.0UF 22PF 0.10UF 0.010UF 100PF	K J K K J
C401 C402 C403 C404 C405			CD04BJ1C472M1 CD04BJ1A101M CD04BJ1C331M CD04BJ1C472M1 CK73GB1H104K	ELECTRO ELECTRO ELECTRO ELECTRO CHIP C	4700UF 100UF 330UF 4700UF 0.10UF	16WV 10WV 16WV 16WV K
C406 C407 C408 C409 C410			CC73GCH1H101J CD04BJ1E101M CD04BJ1A101M CD04BJ1C102M1 CD04BJ1C472M1	CHIP C ELECTRO ELECTRO ELECTRO ELECTRO	100PF 100UF 100UF 1000UF 4700UF	J 25WV 10WV 16WV 16WV
C411,412 C413 C414			CK73GB1H104K CD04BJ1E101M CD04BJ1J471M1	CHIP C ELECTRO ELECTRO	0.10UF 100UF 470UF	K 25WV 63WV

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PARTS LIST

KRF-V7300D/V8300D/V9300D

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Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
C415			CD04BJ1J330M	ELECTRO 33UF 63WV		
C416			CD04BJ1J470M	ELECTRO 47UF 63WV		
C421-423			C91-1567-05	FILM 0.1UF J		
C424,425			CC73GCH1H100D	CHIP C 10PF D		
C426			C91-1567-05	FILM 0.1UF J		
C427,428			CQ93FMG1H104J	MYLAR 0.10UF J		
C429,430			CD04BJ1E470M	ELECTRO 47UF 25WV		
C431			CC73GCH1H100D	CHIP C 10PF D		
C432		*	CD04BJ1J220M	ELECTRO 22UF 63WV		
C433,434			CD04BJ1H010M	ELECTRO 1.0UF 50WV		
CN1		*	E41-1474-05	FLAT CABLE CONNECTOR,1.25MM,31		
J101		*	E11-1019-05	PHONE JACK (WITH SW LF)		
J301			E63-1388-05	PIN JACK		
△ F201			F50-0332-05	FUSE (5X20) T3.15A, L 250V		
CN203,204			J13-0075-05	FUSE CLIP		
△ T201			L07-3373-05	POWER TRANSFORMER		
R1			RK73GB2A182J	CHIP R 1.8K J 1/10W		
R2			RK73GB2A222J	CHIP R 2.2K J 1/10W		
R3			RK73GB2A332J	CHIP R 3.3K J 1/10W		
R4			RK73GB2A562J	CHIP R 5.6K J 1/10W		
R5			RK73GB2A123J	CHIP R 12K J 1/10W		
R6			RK73GB2A333J	CHIP R 33K J 1/10W		
R7			RK73GB2A182J	CHIP R 1.8K J 1/10W		
R8			RK73GB2A222J	CHIP R 2.2K J 1/10W		
R9			RK73GB2A332J	CHIP R 3.3K J 1/10W		
R10			RK73GB2A562J	CHIP R 5.6K J 1/10W		
R11			RK73GB2A123J	CHIP R 12K J 1/10W		
△ R12			RK73GB2A333J	CHIP R 33K J 1/10W		
R13			RK73GB2A100J	CHIP R 10 J 1/10W		
R14			RK73GB2A102J	CHIP R 1.0K J 1/10W		
R18			RK73GB2A100J	CHIP R 10 J 1/10W		
△ R19			RK73GB2A201J	CHIP R 200 J 1/10W		
△ R21,22			RK73GB2A221J	CHIP R 220 J 1/10W		
△ R23			RK73GB2A1R0J	CHIP R 1.0 J 1/10W		
△ R24			RK73GB2A4R7J	CHIP R 4.7 J 1/10W		
R25,26			RK73GB2A222J	CHIP R 2.2K J 1/10W		
R29,30			RK73GB2A472J	CHIP R 4.7K J 1/10W		
R33-36			RK73GB2A101J	CHIP R 100 J 1/10W		
R37			RK73GB2A273J	CHIP R 27K J 1/10W		
R40,41			RK73GB2A100J	CHIP R 10 J 1/10W		
R42,43			RK73GB2A103J	CHIP R 10K J 1/10W		
R44			RK73GB2A221J	CHIP R 220 J 1/10W		
R45			RK73GB2A101J	CHIP R 100 J 1/10W		
△ R201			RD14NB2E1R0J	RD 1.0 J 1/4W		
R202			RK73GB2A472J	CHIP R 4.7K J 1/10W		
R203			RK73GB2A100J	CHIP R 10 J 1/10W		
R205			RK73GB2A223J	CHIP R 22K J 1/10W		
R206			RK73GB2A2R2J	CHIP R 2.2 J 1/10W		
R301-303			RK73GB2A101J	CHIP R 100 J 1/10W		
R305,306			RK73GB2A104J	CHIP R 100K J 1/10W		
R307			RK73GB2A750J	CHIP R 75 J 1/10W		
R321,322			RK73GB2A104J	CHIP R 100K J 1/10W		

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△ R323-326			RK73GB2A100J	CHIP R 10 J 1/10W		
R331,332			RK73GB2A100J	CHIP R 10 J 1/10W		
R401			RK73GB2A2R2J	CHIP R 2.2 J 1/10W		
R402			RK73GB2A222J	CHIP R 2.2K J 1/10W		
R403			RK73GB2A272J	CHIP R 2.7K J 1/10W		
R404			RK73GB2A432J	CHIP R 4.3K J 1/10W		
R405			RK73GB2A1R0J	CHIP R 1.0 J 1/10W		
R408			RK73GB2A2R2J	CHIP R 2.2 J 1/10W		
R409			RK73GB2A222J	CHIP R 2.2K J 1/10W		
R410			RK73GB2A242J	CHIP R 2.4K J 1/10W		
R411			RK73GB2A432J	CHIP R 4.3K J 1/10W		
R412,413			RK73GB2A1R0J	CHIP R 1.0 J 1/10W		
△ R414			RK73EB2E2R2J	CHIP R 2.2 J 1/4W		
R415			RK73GB2A4R7J	CHIP R 4.7 J 1/10W		
R416			RK73GB2A561J	CHIP R 560 J 1/10W		
R417			RS14KB3D560J	FL-PROOF RS 56 J 2W		
R418			RK73GB2A390J	CHIP R 39 J 1/10W		
R419,420			RK73GB2A100J	CHIP R 10 J 1/10W		
R421			RK73GB2A102J	CHIP R 1.0K J 1/10W		
△ R422,423			RD14NB2E1R0J	RD 1.0 J 1/4W		
R424			RK73GB2A100J	CHIP R 10 J 1/10W		
R427			RK73GB2A472J	CHIP R 4.7K J 1/10W		
R428			RK73GB2A473J	CHIP R 47K J 1/10W		
R429			RK73GB2A222J	CHIP R 2.2K J 1/10W		
R430			RK73GB2A473J	CHIP R 47K J 1/10W		
R431			RK73GB2A222J	CHIP R 2.2K J 1/10W		
R432			RK73GB2A473J	CHIP R 47K J 1/10W		
R433			RK73GB2A222J	CHIP R 2.2K J 1/10W		
△ K201			S76-0131-15	MAGNETIC RELAY		
S1-13			S70-0051-15	TACT SWITCH		
S302			S70-0051-15	TACT SWITCH		
S14-16			T99-0666-05	ROTARY ENCODER		
S301			T99-0664-05	ROTARY ENCODER		
D3-5			1SS302-F	DIODE		
D9			1SS355	DIODE		
D10			UDZW6.8 (B)	ZENER DIODE		
D11,12			1SS355	DIODE		
△ D201,202			1SS355	DIODE		
D203			1SS302-F	DIODE		
D204			1SS355	DIODE		
△ D205-208			RB501V-40	DIODE		
D209			1SS355	DIODE		
D301,302			1SS302-F	DIODE		
△ D401			TS4B03G-B1	DIODE		
△ D402			TS6P03G-B	DIODE		
△ D403			TS4B03G-B1	DIODE		
D404			1SR139-400T64	DIODE		
D405,406			1SS302-F	DIODE		
D407,408			UDZW16 (B)	ZENER DIODE		
D409			1SR139-400T64	DIODE		
D410			UDZW4.7 (B)	ZENER DIODE		
D411			UDZW8.2 (B)	ZENER DIODE		
D412			1SS355	DIODE		

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D413			UDZW8.2 (B)	ZENER DIODE		
D414			1SS355	DIODE		
D415			UDZW8.2 (B)	ZENER DIODE		
D416			1SS355	DIODE		
△ D419-426			1SR139-400T64	DIODE		
D427-429			1SS302-F	DIODE		
△ D430-434			1SS355	DIODE		
ED1		*	16-BT-152GNK	FLUORESCENT INDICATOR TUBE		
IC1			M66005-0001AHP	MOS-IC		
IC321			BA4560RF	ANALOGUE IC		
IC401			NJM431U-ZB	ANALOGUE IC		
IC402			NJM2396F63	ANALOGUE IC		
IC403			NJM431U-ZB	ANALOGUE IC		
△ IC404		*	KIA78R05PI-P	ANALOGUE IC		
Q1,2			DTC114EUA	DIGITAL TRANSISTOR		
Q3			2SC4081 (R,S)	TRANSISTOR		
Q10			IMX1	TRANSISTOR		
Q201			2SC4081 (R,S)	TRANSISTOR		
Q202			DTA124EUA	DIGITAL TRANSISTOR		
Q203			2SC4081 (R,S)	TRANSISTOR		
△ Q401			2SD2012-F	TRANSISTOR		
△ Q402			2SK364F (GR,BL)	FET		
△ Q403			2SC4081 (R,S)	TRANSISTOR		
△ Q404			2SD2641*5	TRANSISTOR		
Q405			2SK364F (GR,BL)	FET		
△ Q406			2SC4081 (R,S)	TRANSISTOR		
△ Q407			2SB1640-Q	TRANSISTOR		
Q408			2SA1576A (R,S)	TRANSISTOR		
Q409			2SC4081 (R,S)	TRANSISTOR		
△ Q410,411			2SA1576A (R,S)	TRANSISTOR		
Q412,413			2SC4081 (R,S)	TRANSISTOR		
TH402			NCP18WB473J0S	THERMISTOR		
A1			W02-4600-05	ELECTRIC CIRCUIT MODULE		
HDMI (X34-1072-70)						
C1			CK73GB1H104K	CHIP C	0.10UF	K
C5			CC73GCH1H270J	CHIP C	27PF	J
C6			CK73GB1A105K	CHIP C	1.0UF	K
C7			CC73GCH1H270J	CHIP C	27PF	J
C11			CK73GB1H104K	CHIP C	0.10UF	K
C12			CK73GB1A105K	CHIP C	1.0UF	K
C13-18			CK73GB1H104K	CHIP C	0.10UF	K
C41			CK73FB0J106K	CHIP C	10UF	K
C42			CK73GB1H104K	CHIP C	0.10UF	K
C45			CK73GB1H104K	CHIP C	0.10UF	K
C51			CK73GB1H104K	CHIP C	0.10UF	K
C52			CE32BJ0G101M	CHIP EL	100UF	4.0WV
C61			CK73GB1H104K	CHIP C	0.10UF	K
C62		*	CE32BH0J471M	CHIP EL	470UF	6.3WV
C65-67			CK73GB1H104K	CHIP C	0.10UF	K
C68		*	CE32BH0J471M	CHIP EL	470UF	6.3WV
C101,102			CC73GCH1H271J	CHIP C	270PF	J
C103-106			CC73GCH1H181J	CHIP C	180PF	J
C109-112			CK73GB1H104K	CHIP C	0.10UF	K
C115,116			CC73GCH1H221J	CHIP C	220PF	J

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C117,118			CC73GCH1H101J	CHIP C	100PF	J
C119,120			CC73GCH1H100D	CHIP C	10PF	D
C125,126			CC73GCH1H220J	CHIP C	22PF	J
C131,132			CC73GCH1H221J	CHIP C	220PF	J
C133-136			CC73GCH1H121J	CHIP C	120PF	J
C139-142			CK73GB1H104K	CHIP C	0.10UF	K
C145,146			CC73GCH1H221J	CHIP C	220PF	J
C147,148			CC73GCH1H101J	CHIP C	100PF	J
C149,150			CC73GCH1H100D	CHIP C	10PF	D
C155			CC73GCH1H220J	CHIP C	22PF	J
C161			CC73GCH1H221J	CHIP C	220PF	J
C162			CC73GCH1H222J	CHIP C	2200PF	J
C163			CC73GCH1H121J	CHIP C	120PF	J
C164			CC73GCH1H102J	CHIP C	1000PF	J
C165			CC73GCH1H121J	CHIP C	120PF	J
C166			CC73GCH1H102J	CHIP C	1000PF	J
C169-172			CK73GB1H104K	CHIP C	0.10UF	K
C175			CC73GCH1H221J	CHIP C	220PF	J
C176			CC73GCH1H222J	CHIP C	2200PF	J
C177			CC73GCH1H101J	CHIP C	100PF	J
C178			CC73GCH1H102J	CHIP C	1000PF	J
C179,180			CC73GCH1H100D	CHIP C	10PF	D
C185			CC73GCH1H220J	CHIP C	22PF	J
C191,192			CC73GCH1H471J	CHIP C	470PF	J
C193-196			CC73GCH1H221J	CHIP C	220PF	J
C199-202			CK73GB1H104K	CHIP C	0.10UF	K
C205,206			CC73GCH1H471J	CHIP C	470PF	J
C207,208			CC73GCH1H221J	CHIP C	220PF	J
C209,210			CC73GCH1H100D	CHIP C	10PF	D
C221,222			CC73GCH1H330J	CHIP C	33PF	J
C229,230			CK73GB1H104K	CHIP C	0.10UF	K
C231,232			CC73GCH1H561J	CHIP C	560PF	J
C233,234			CC73GCH1H121J	CHIP C	120PF	J
C235,236			CC73GCH1H100D	CHIP C	10PF	D
C239,240			CK73GB1H104K	CHIP C	0.10UF	K
C251			CC73GCH1H102J	CHIP C	1000PF	J
C261			CK73GB1H104K	CHIP C	0.10UF	K
C301,302			CE32BJ1C100M	CHIP EL	10UF	16WV
C303,304			CC73GCH1H221J	CHIP C	220PF	J
C305			CK73GB1H104K	CHIP C	0.10UF	K
C308			CC73GCH1H100D	CHIP C	10PF	D
C311-318			CC73GCH1H471J	CHIP C	470PF	J
C321			CK73GB1H104K	CHIP C	0.10UF	K
C326			CK73GB1H103K	CHIP C	0.010UF	K
C331			CK73GB1H104K	CHIP C	0.10UF	K
C332			CK73FB0J106K	CHIP C	10UF	K
C333			CK73GB1H104K	CHIP C	0.10UF	K
C334			CE32BJ1C100M	CHIP EL	10UF	16WV
C335			CK73GB1H104K	CHIP C	0.10UF	K
C336			CE32BL1A121M	CHIP EL	120UF	10WV
C337		*	CK73GB1H104K	CHIP C	0.10UF	K
C338			CK73EB0J476M	CHIP C	47UF	M
C339			CK73GB1H104K	CHIP C	0.10UF	K
C340			CK73FB0J106K	CHIP C	10UF	K
C341			CC73GCH1H070D	CHIP C	7.0PF	D

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KRF-V7300D/V8300D/V9300D

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C342			CC73GCH1H102J	CHIP C 1000PF J		
C343			CC73GCH1H100D	CHIP C 10PF D		
C344			CK73GB1H332K	CHIP C 3300PF K		
C345			CK73FB0J106K	CHIP C 10UF K		
C351			CC73GCH1H102J	CHIP C 1000PF J		
C352			CC73GCH1H100D	CHIP C 10PF D		
C353			CC73GCH1H120J	CHIP C 12PF J		
C356			CC73GCH1H102J	CHIP C 1000PF J		
C362			CK73GB1H104K	CHIP C 0.10UF K		
C381,382			CK73GB1H104K	CHIP C 0.10UF K		
C384			CC73GCH1H102J	CHIP C 1000PF J		
C385			CK73GB1H104K	CHIP C 0.10UF K		
C401-404			CK73GB1H103K	CHIP C 0.010UF K		
C407			CK73GB0J475K	CHIP C 4.7UF K		
C408-418			CK73GB1H103K	CHIP C 0.010UF K		
C420-433			CK73GB1H103K	CHIP C 0.010UF K		
C435			CC73GCH1H101J	CHIP C 100PF J		
C441,442			CE32BJ0G101M	CHIP EL 100UF 4.0WV		
C445			CC73GCH1H102J	CHIP C 1000PF J		
C451			CK73FB0J106K	CHIP C 10UF K		
C452			CK73GB1H103K	CHIP C 0.010UF K		
C461			CK73FB0J106K	CHIP C 10UF K		
C462-468			CK73GB1H103K	CHIP C 0.010UF K		
C501			CK73GB1H104K	CHIP C 0.10UF K		
C502			CE32BJ1C470M	CHIP EL 47UF 16WV		
C503			CK73GB1H104K	CHIP C 0.10UF K		
C504			CE32BJ1C101M	CHIP EL 100UF 16WV		
C505			CE32BJ1C100M	CHIP EL 10UF 16WV		
C506			CE32BJ1C101M	CHIP EL 100UF 16WV		
C507			CE32BJ1C470M	CHIP EL 47UF 16WV		
C508-514			CK73GB1C225K	CHIP C 2.2UF K		
C515-543			CK73GB1H104K	CHIP C 0.10UF K		
C544			CK73GB1H103K	CHIP C 0.010UF K		
C545,546			CK73GB1H104K	CHIP C 0.10UF K		
C547,548			CC73GCH1H100D	CHIP C 10PF D		
C549-552			CK73GB1H104K	CHIP C 0.10UF K		
C553			CE32BJ1C100M	CHIP EL 10UF 16WV		
C554			CE32BJ1C101M	CHIP EL 100UF 16WV		
C555			CE32BJ1C100M	CHIP EL 10UF 16WV		
C556-561			CK73GB1C225K	CHIP C 2.2UF K		
C562-566			CK73GB1H104K	CHIP C 0.10UF K		
C567			CK73GB1H103K	CHIP C 0.010UF K		
C568-578			CK73GB1H104K	CHIP C 0.10UF K		
C579			CE32BJ1C100M	CHIP EL 10UF 16WV		
C580			CK73GB1H104K	CHIP C 0.10UF K		
C581			CE32BJ1C100M	CHIP EL 10UF 16WV		
C584			CK73GB1H104K	CHIP C 0.10UF K		
C585			CE32BJ1C470M	CHIP EL 47UF 16WV		
C586			CK73GB1H103K	CHIP C 0.010UF K		
C587			CK73GB1C225K	CHIP C 2.2UF K		
C588			CC73GCH1H100D	CHIP C 10PF D		
C589,590			CK73GB1H104K	CHIP C 0.10UF K		
C592-595			CK73GB1H104K	CHIP C 0.10UF K		
C703			CK73GB1H104K	CHIP C 0.10UF K	9	
C704			CE32BJ1C470M	CHIP EL 47UF 16WV	9	

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C705			CK73GB1H104K	CHIP C 0.10UF K		9
C706-708			CE32BJ1C470M	CHIP EL 47UF 16WV		9
C709-711			CK73GB1C225K	CHIP C 2.2UF K		9
C712-714			CK73GB1H104K	CHIP C 0.10UF K		9
C715,716			CC73GCH1H060D	CHIP C 6.0PF D		9
C717			CK73GB1H104K	CHIP C 0.10UF K		9
C718			CK73GB1H103K	CHIP C 0.010UF K		9
C719			CK73GB1C823K	CHIP C 0.082UF K		9
C720-722			CK73GB1H104K	CHIP C 0.10UF K		9
C723			CE32BJ1C100M	CHIP EL 10UF 16WV		9
C724-726			CK73GB1H104K	CHIP C 0.10UF K		9
C727,728			CE32BJ1C100M	CHIP EL 10UF 16WV		9
C729-731			CK73GB1H104K	CHIP C 0.10UF K		9
C732			CE32BJ1C100M	CHIP EL 10UF 16WV		9
C733,734			CK73GB1H104K	CHIP C 0.10UF K		9
C735			CK73GB1C225K	CHIP C 2.2UF K		9
C736			CK73GB1H103K	CHIP C 0.010UF K		9
C737			CK73GB1H104K	CHIP C 0.10UF K		9
C738			CK73GB1H102K	CHIP C 1000PF K		9
C739			CK73GB1H104K	CHIP C 0.10UF K		9
C740,741			CE32BJ1C470M	CHIP EL 47UF 16WV		9
C742			CE32BJ1C100M	CHIP EL 10UF 16WV		9
C743			CK73GB1H102K	CHIP C 1000PF K		9
C744			CE32BJ1C100M	CHIP EL 10UF 16WV		9
C745			CK73GB1H102K	CHIP C 1000PF K		9
C746,747			CK73GB1C225K	CHIP C 2.2UF K		9
C748-758			CK73GB1H104K	CHIP C 0.10UF K		9
C759			CK73GB1H103K	CHIP C 0.010UF K		9
C760-766			CK73GB1H104K	CHIP C 0.10UF K		9
CN101		*	E41-1953-05	FLAT CABLE CONNECTOR,1MM,19P		
CN102		*	E41-1951-05	FLAT CABLE CONNECTOR,1MM,17P		
CN104,105		*	E41-1941-05	FLAT CABLE CONNECTOR,1MM,7P		
CN501,502		*	E41-1941-05	FLAT CABLE CONNECTOR,1MM,7P		
J1		*	E63-1428-05	PIN JACK		
J501-503		*	E58-0100-05	RECTANGULAR RECEPTACLE		
L401,402			L92-0316-05	CHIP FERRITE		
L441,442		*	L79-1319-05	LINE FILTER		
L451		*	L79-1319-05	LINE FILTER		
L461		*	L79-1319-05	LINE FILTER		
L501-516		*	L92-0574-05	FERRITE CORE		
L517-520		*	L79-1317-05	LINE FILTER		
L521			L92-0574-05	FERRITE CORE		
L523			L92-0574-05	FERRITE CORE		
L701-712			L92-0574-05	FERRITE CORE		9
L713-725			L92-0396-05	CHIP FERRITE		9
L727-730			L92-0396-05	CHIP FERRITE		9
X11			L78-1211-05	RESONATOR (8MHZ,3.2X1.3X0.7)		
X351			L77-2419-05	CRYSTAL RESONATOR (24.576MHZ)		
X501		*	L77-2486-05	CRYSTAL RESONATOR (28.322MHZ)		
X502			L78-1220-05	RESONATOR (19.8000MHZ)		
X701		*	L77-2487-05	CRYSTAL RESONATOR (28.63636MHZ)		9
X702			L77-2990-05	CRYSTAL OSCILLATOR (27.000MHZ F)		9
CP501-511			RK74GB1J330J	CHIP-COM 33 J 1/16W		

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Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
CP512,513			RK74GB1J103J	CHIP-COM 10K J 1/16W	9 9	
CP514,515			RK74GB1J330J	CHIP-COM 33 J 1/16W		
CP701-704			RK74GB1J151J	CHIP-COM 150 J 1/16W		
CP705-710		*	RK74GB1J100J	CHIP-COM 10 J 1/16W		
R1,2			RK73GB2A471J	CHIP R 470 J 1/10W		
R3			RK73GB2A4R7J	CHIP R 4.7 J 1/10W		
R5			RK73GB2A750J	CHIP R 75 J 1/10W		
R6			RK73GB2A151J	CHIP R 150 J 1/10W		
R11-14			RK73GB2A101J	CHIP R 100 J 1/10W		
R15			RK73GB2A103J	CHIP R 10K J 1/10W		
R16			RK73GB2A221J	CHIP R 220 J 1/10W		
R17,18			RK73GB2A101J	CHIP R 100 J 1/10W		
R19			RK73GB2A102J	CHIP R 1.0K J 1/10W		
R20-22			RK73GB2A331J	CHIP R 330 J 1/10W		
R23,24			RK73GB2A102J	CHIP R 1.0K J 1/10W		
R25			RK73GB2A331J	CHIP R 330 J 1/10W		
R27			RK73GB2A331J	CHIP R 330 J 1/10W		
R29-32			RK73GB2A331J	CHIP R 330 J 1/10W		
R33-38			RK73GB2A102J	CHIP R 1.0K J 1/10W		
R39			RK73GB2A103J	CHIP R 10K J 1/10W		
R40-43			RK73GB2A472J	CHIP R 4.7K J 1/10W		
R44-46			RK73GB2A2R2J	CHIP R 2.2 J 1/10W		
R47			RK73GB2A101J	CHIP R 100 J 1/10W		
R48-50			RK73GB2A103J	CHIP R 10K J 1/10W		
R51			RK73GB2A2R2J	CHIP R 2.2 J 1/10W		
R52			RK73GB2A1R0J	CHIP R 1.0 J 1/10W		
R55-57			RK73GB2A101J	CHIP R 100 J 1/10W		
R58,59			RK73GB2A331J	CHIP R 330 J 1/10W		
R61			RK73GB2A2R2J	CHIP R 2.2 J 1/10W		
R62			RK73GB2A1R0J	CHIP R 1.0 J 1/10W		
R63			RK73GB2A182J	CHIP R 1.8K J 1/10W		
R64			RK73GB2A332J	CHIP R 3.3K J 1/10W		
R65			RK73GB2A102J	CHIP R 1.0K J 1/10W		
R66			RK73GB2A272J	CHIP R 2.7K J 1/10W		
R67,68			RK73GB2A103J	CHIP R 10K J 1/10W		
R71-73			RK73GB2A103J	CHIP R 10K J 1/10W		
R101-104			RK73GB2A133J	CHIP R 13K J 1/10W		
R105,106			RK73GB2A682J	CHIP R 6.8K J 1/10W		
R107-110			RK73GB2A162J	CHIP R 1.6K J 1/10W		
R111,112			RK73GB2A682J	CHIP R 6.8K J 1/10W		
R115-118			RK73GB2A222J	CHIP R 2.2K J 1/10W		
R119,120			RK73GB2A331J	CHIP R 330 J 1/10W		
R125,126			RK73GB2A100J	CHIP R 10 J 1/10W		
R131-134			RK73GB2A472J	CHIP R 4.7K J 1/10W		
R135,136			RK73GB2A682J	CHIP R 6.8K J 1/10W		
R137-140			RK73GB2A162J	CHIP R 1.6K J 1/10W		
R141,142			RK73GB2A682J	CHIP R 6.8K J 1/10W		
R145-148			RK73GB2A222J	CHIP R 2.2K J 1/10W		
R149,150			RK73GB2A331J	CHIP R 330 J 1/10W		
R153,154			RK73GB2A2R2J	CHIP R 2.2 J 1/10W		
R155			RK73GB2A100J	CHIP R 10 J 1/10W		
R161			RK73GB2A472J	CHIP R 4.7K J 1/10W		
R162			RK73GB2A393J	CHIP R 39K J 1/10W		
R163			RK73GB2A472J	CHIP R 4.7K J 1/10W		
R164			RK73GB2A393J	CHIP R 39K J 1/10W		

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Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
R165			RK73GB2A682J	CHIP R 6.8K J 1/10W		
R166			RK73GB2A104J	CHIP R 100K J 1/10W		
R167			RK73GB2A162J	CHIP R 1.6K J 1/10W		
R168			RK73GB2A243J	CHIP R 24K J 1/10W		
R169			RK73GB2A162J	CHIP R 1.6K J 1/10W		
R170			RK73GB2A243J	CHIP R 24K J 1/10W		
R171			RK73GB2A682J	CHIP R 6.8K J 1/10W		
R172			RK73GB2A104J	CHIP R 100K J 1/10W		
R175			RK73GB2A222J	CHIP R 2.2K J 1/10W		
R176			RK73GB2A473J	CHIP R 47K J 1/10W		
R177			RK73GB2A222J	CHIP R 2.2K J 1/10W		
R178			RK73GB2A473J	CHIP R 47K J 1/10W		
R179,180			RK73GB2A331J	CHIP R 330 J 1/10W		
R183			RK73GB2A2R2J	CHIP R 2.2 J 1/10W		
R185			RK73GB2A100J	CHIP R 10 J 1/10W		
R191-194			RK73GB2A472J	CHIP R 4.7K J 1/10W		
R195,196			RK73GB2A682J	CHIP R 6.8K J 1/10W		
R197-200			RK73GB2A162J	CHIP R 1.6K J 1/10W		
R201,202			RK73GB2A682J	CHIP R 6.8K J 1/10W		
R205-208			RK73GB2A222J	CHIP R 2.2K J 1/10W		
R209,210			RK73GB2A331J	CHIP R 330 J 1/10W		
R213,214			RK73GB2A2R2J	CHIP R 2.2 J 1/10W		
R221-226			RK73GB2A333J	CHIP R 33K J 1/10W		
R231-236			RK73GB2A392J	CHIP R 3.9K J 1/10W		
R237,238			RK73GB2A331J	CHIP R 330 J 1/10W		
R251,252			RK73GB2A220J	CHIP R 22 J 1/10W		
R253-255			RK73GB2A2R2J	CHIP R 2.2 J 1/10W		
R257,258			RK73GB2A2R2J	CHIP R 2.2 J 1/10W		
R261-263			RK73GB2A331J	CHIP R 330 J 1/10W		
R264			RK73GB2A2R2J	CHIP R 2.2 J 1/10W		
R301,302			RK73GB2A912J	CHIP R 9.1K J 1/10W		
R303,304			RK73GB2A183J	CHIP R 18K J 1/10W		
R305			RK73GB2A150J	CHIP R 15 J 1/10W		
R307			RK73GB2A150J	CHIP R 15 J 1/10W		
R308			RK73GB2A151J	CHIP R 150 J 1/10W		
R311			RK73GB2A470J	CHIP R 47 J 1/10W		
R312-314			RK73GB2A101J	CHIP R 100 J 1/10W		
R317			RK73GB2A101J	CHIP R 100 J 1/10W		
R318-321			RK73GB2A220J	CHIP R 22 J 1/10W		
R323			RK73GB2A123J	CHIP R 12K J 1/10W		
R326			RK73GB2A471J	CHIP R 470 J 1/10W		
R327			RK73GB2A102J	CHIP R 1.0K J 1/10W		
R331			RK73GB2A2R2J	CHIP R 2.2 J 1/10W		
R333			RK73GB2A2R2J	CHIP R 2.2 J 1/10W		
R339			RK73GB2A2R2J	CHIP R 2.2 J 1/10W		
R341			RK73GB2A100J	CHIP R 10 J 1/10W		
R342			RK73GB2A2R2J	CHIP R 2.2 J 1/10W		
R343			RK73GB2A100J	CHIP R 10 J 1/10W		
R344			RK73GB2A470J	CHIP R 47 J 1/10W		
R345			RK73GB2A102J	CHIP R 1.0K J 1/10W		
R346			RK73GB2A2R2J	CHIP R 2.2 J 1/10W		
R347			RK73GB2A151J	CHIP R 150 J 1/10W		
R351			RK73GB2A101J	CHIP R 100 J 1/10W		
R352,353			RK73GB2A105J	CHIP R 1.0M J 1/10W		
R354			RK73GB2A750J	CHIP R 75 J 1/10W		

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PARTS LIST

KRF-V7300D/V8300D/V9300D

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Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
R355			RK73GB2A221J	CHIP R 220 J 1/10W		
R356			RK73GB2A2R2J	CHIP R 2.2 J 1/10W		
R361,362			RK73GB2A910J	CHIP R 91 J 1/10W		
R381			RK73GB2A2R2J	CHIP R 2.2 J 1/10W		
R382,383			RK73GB2A101J	CHIP R 100 J 1/10W		
R384			RK73GB2A2R2J	CHIP R 2.2 J 1/10W		
R401			RK73GB2A221J	CHIP R 220 J 1/10W		
R402			RK73GB2A102J	CHIP R 1.0K J 1/10W		
R403			RK73GB2A220J	CHIP R 22 J 1/10W		
R404-414			RK73GB2A221J	CHIP R 220 J 1/10W		
R415,416			RK73GB2A101J	CHIP R 100 J 1/10W		
R417-419			RK73GB2A103J	CHIP R 10K J 1/10W		
R421-423			RK73GB2A220J	CHIP R 22 J 1/10W		
R424			RK73GB2A750J	CHIP R 75 J 1/10W		
R425-431			RK73GB2A220J	CHIP R 22 J 1/10W		
R435			RK73GB2A100J	CHIP R 10 J 1/10W		
R445			RK73GB2A2R2J	CHIP R 2.2 J 1/10W		
R451-456			RK73GB2A102J	CHIP R 1.0K J 1/10W		
R457,458			RK73GB2A103J	CHIP R 10K J 1/10W		
R459			RK73GB2A102J	CHIP R 1.0K J 1/10W		
R461,462			RK73GB2A511J	CHIP R 510 J 1/10W		
R469,470			RK73GB2A000J	CHIP R 0.0 J 1/10W		
R501-504			RK73GB2A330J	CHIP R 33 J 1/10W		
R505,506			RK73GB2A472J	CHIP R 4.7K J 1/10W		
R507-522			RK73HB1J5R6J	CHIP R 5.6 J 1/16W		
R523			RK73GB2A330J	CHIP R 33 J 1/10W		
R524			RK73GB2A105J	CHIP R 1.0M J 1/10W		
R525			RK73GB2A472J	CHIP R 4.7K J 1/10W		
R527			RK73GB2A330J	CHIP R 33 J 1/10W		
R528			RK73GB2A472J	CHIP R 4.7K J 1/10W		
R529-534			RK73GB2A473J	CHIP R 47K J 1/10W		
R535,536			RK73GB2A103J	CHIP R 10K J 1/10W		
R537,538			RK73GB2A102J	CHIP R 1.0K J 1/10W		
R539,540			RK73GB2A203J	CHIP R 20K J 1/10W		
R541-544			RK73GB2A103J	CHIP R 10K J 1/10W		
R545			RK73GB2A473J	CHIP R 47K J 1/10W		
R546			RK73GB2A330J	CHIP R 33 J 1/10W		
R547			RK73GH2A681D	CHIP R 680 D 1/10W		
R548			RK73GH2A180D	CHIP R 18 D 1/10W		
R549			RK73GB2A473J	CHIP R 47K J 1/10W		
R550			RK73GB2A472J	CHIP R 4.7K J 1/10W		
R551,552			RK73GB2A182J	CHIP R 1.8K J 1/10W		
R553			RK73GB2A103J	CHIP R 10K J 1/10W		
R554			RK73GB2A273J	CHIP R 27K J 1/10W		
R555			RK73GB2A000J	CHIP R 0.0 J 1/10W		
R556-559			RK73GB2A473J	CHIP R 47K J 1/10W		
R560			RK73GB2A101J	CHIP R 100 J 1/10W		
R561			RK73GB2A103J	CHIP R 10K J 1/10W		
R562-564			RK73GB2A101J	CHIP R 100 J 1/10W		
R565,566			RK73GB2A102J	CHIP R 1.0K J 1/10W		
R567-570			RK73GB2A101J	CHIP R 100 J 1/10W		
R571-573			RK73GB2A102J	CHIP R 1.0K J 1/10W		
R574,575			RK73GB2A101J	CHIP R 100 J 1/10W		
R576-578			RK73GB2A102J	CHIP R 1.0K J 1/10W		
R579,580			RK73GB2A101J	CHIP R 100 J 1/10W		

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Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
R581-586			RK73GB2A102J	CHIP R 1.0K J 1/10W		
R587-591			RK73GB2A101J	CHIP R 100 J 1/10W		
R592			RK73GB2A472J	CHIP R 4.7K J 1/10W		
R593			RK73GB2A101J	CHIP R 100 J 1/10W		
R594,595			RK73GB2A102J	CHIP R 1.0K J 1/10W	9	
R596,597			RK73GB2A101J	CHIP R 100 J 1/10W	9	
R598-601			RK73GB2A103J	CHIP R 10K J 1/10W		
R603			RK73GB2A103J	CHIP R 10K J 1/10W		
R605			RK73GB2A103J	CHIP R 10K J 1/10W		
R610			RK73GH2A332D	CHIP R 3.3K D 1/10W		
R611			RK73GH2A472D	CHIP R 4.7K D 1/10W		
R612			RK73GH2A103D	CHIP R 10K D 1/10W		
R613			RK73GH2A332D	CHIP R 3.3K D 1/10W		
R614			RK73GH2A472D	CHIP R 4.7K D 1/10W		
R615			RK73GH2A103D	CHIP R 10K D 1/10W		
R616,617			RK73GB2A102J	CHIP R 1.0K J 1/10W		
R618			RK73GB2A151J	CHIP R 150 J 1/10W		
R622			RK73GB2A821J	CHIP R 820 J 1/10W		
R624,625			RK73GB2A000J	CHIP R 0.0 J 1/10W		
R626-629			RK73GB2A103J	CHIP R 10K J 1/10W		
R632			RK73GB2A103J	CHIP R 10K J 1/10W		
R635			RK73GB2A103J	CHIP R 10K J 1/10W		
R703,704			RK73GB2A151J	CHIP R 150 J 1/10W	9	
R705			RK73GB2A105J	CHIP R 1.0M J 1/10W	9	
R706			RK73GB2A000J	CHIP R 0.0 J 1/10W	9	
R707			RK73GB2A303J	CHIP R 30K J 1/10W	9	
R708			RK73GB2A182J	CHIP R 1.8K J 1/10W	9	
R709,710			RK73GB2A272J	CHIP R 2.7K J 1/10W	9	
R711-713			RK73GB2A103J	CHIP R 10K J 1/10W	9	
R714			RK73GB2A101J	CHIP R 100 J 1/10W	9	
R715			RK73GB2A103J	CHIP R 10K J 1/10W	9	
R716			RK73GB2A101J	CHIP R 100 J 1/10W	9	
R717			RK73GB2A000J	CHIP R 0.0 J 1/10W	9	
R719			RK73GB2A151J	CHIP R 150 J 1/10W	9	
R720			RK73GB2A101J	CHIP R 100 J 1/10W	9	
R721,722			RK73GB2A100J	CHIP R 10 J 1/10W	9	
R726			RK73GB2A472J	CHIP R 4.7K J 1/10W	9	
R727			RK73GB2A100J	CHIP R 10 J 1/10W	9	
R728			RK73GB2A472J	CHIP R 4.7K J 1/10W	9	
R729			RK73GB2A100J	CHIP R 10 J 1/10W	9	
R730			RK73GB2A101J	CHIP R 100 J 1/10W	9	
R731			RK73GB2A000J	CHIP R 0.0 J 1/10W	9	
R732			RK73GB2A101J	CHIP R 100 J 1/10W	9	
R733,734			RK73GB2A222J	CHIP R 2.2K J 1/10W	9	
R735-746			RK73GB2A472J	CHIP R 4.7K J 1/10W	9	
R747,748			RK73GB2A473J	CHIP R 47K J 1/10W	9	
R749			RK73GB2A472J	CHIP R 4.7K J 1/10W	9	
D11			DA204U	DIODE		
D301,302			DA204U	DIODE		
D341			UDZW4.7 (B)	ZENER DIODE		
D511-514			EC10QS10AG	DIODE		
D515			RB751V-40	DIODE		
IC11		*	MN101EF16K1CMA	MICROCONTROLLER IC		
IC45		*	74AHCT1G32GW	MOS-IC		

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IC51			XC6206P332PRN	ANALOGUE IC		
IC61			XC6206P332PRN	ANALOGUE IC		
IC65			SI-3010KD	ANALOGUE IC		
IC101			NJM5532MD-ZB	ANALOGUE IC		
IC111			NJM4565V-ZB	ANALOGUE IC		
IC131			NJM4565V-ZB	ANALOGUE IC		
IC141			NJM4565V-ZB	ANALOGUE IC		
IC161			NJM5532MD-ZB	ANALOGUE IC		
IC171			NJM4565V-ZB	ANALOGUE IC		
IC191			NJM4565V-ZB	ANALOGUE IC		
IC201			NJM4565V-ZB	ANALOGUE IC		
IC221			NJM4565V-ZB	ANALOGUE IC		
IC231			NJM4565V-ZB	ANALOGUE IC		
IC251			NJU7311AM-ZB	ANALOGUE IC		
IC261		*	74HCT3G34DP	MOS-IC		
IC301		*	AK4589VQ	MOS-IC		
IC351		*	74HC3GU04DP	MOS-IC		
IC361		*	74LVC2G241DP	MOS-IC		
IC381		*	74LVC2G125DP	MOS-IC		
IC401		*	D788E001BRFP	MICROPROCESSOR IC		
IC451		*	A29L160A1CHB	ROM IC		
IC461		*	EM484M1644VB6	DRAM IC		
IC501		*	SI9135CTU	MOS-IC		
IC502		*	SI9134CTU	MOS-IC		
IC503		*	MN101EF16K1CNA	MICROCONTROLLER IC		
△ IC504,505			SI-3010KD	ANALOGUE IC		
△ IC506		*	XC6201P501PN	ANALOGUE IC		
△ IC507,508			BR24L02FV-W	ROM IC		
△ IC509,510		*	SN74CBT3257PW	MOS-IC		
△ IC511		*	XB1086P331JN	ANALOGUE IC		
IC701		*	ADV7401BSTZ80	MOS-IC	9	
IC702		*	ABT1012	MOS-IC	9	
Q341			2SK879-F (Y,GR	FET		
Q342			2SD1963 (R,S)	TRANSISTOR		
Q343			2SA1576A (R,S)	TRANSISTOR		
Q344			2SC4081 (R,S)	TRANSISTOR		
Q501,502			2SC4081 (R,S)	TRANSISTOR		
Q503			DTC124EUA	DIGITAL TRANSISTOR		
Q506,507			SSM6N16FE-F	FET		
Q509			2SC4081 (R,S)	TRANSISTOR		
Q511			2SC4081 (R,S)	TRANSISTOR		
A1,2			W02-4652-05	OPTIC RECEIVING MODULE		

L: Scandinavia

K: USA

P: Canada

R: Mexico

C: China

I: Malaysia

Y: PX(Far East,Hawaii)

T: England

E: Europe

G: Germany

V: China(Shanghai)

Y: AAFES(Europe)

X: Australia

Q: Russia

H: Korea

M: Other Areas

△ Indicates safety critical components.

HOW TO READ THE PARTS LIST

ABBREVIATION OF MODEL AND MASS PRODUCTION'S

DESTINATIONS

MODEL	ABB.	Australia	Europe
KRF-V7300D	B	X1	E1
KRF-V7300D-S	S	X2	E2
KRF-V8300D	B	X3	E3
KRF-V8300D-S	S	X4	E4
KRF-V9300D	B	X5	E5
KRF-V9300D-S	S	X6	E6

KRF-V7300D/V8300D/V9300D

SPECIFICATIONS

AUDIO section

Rated output power during STEREO operation (63 Hz – 20 kHz, 0.7% T.H.D., at 6 Ω)	100 W + 100 W
Effective output power during STEREO operation RMS (1 kHz, 10% T.H.D., at 6 Ω)	130 W + 130 W
Effective power output during SURROUND operation FRONT (1 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
CENTER (1 kHz, 0.7 % 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 (1 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 (1 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
Total harmonic distortion	0.009 % (1 kHz, 50 W, 6 Ω)
Frequency response (IHF'66) CD	10 Hz – 100 kHz, +0 dB – -3.0 dB
Signal to noise ratio (IHF'66) CD	105 dB
Input sensitivity / impedance CD, AUX, MD/TAPE, VIDEO 1, VIDEO 2	550 mV / 25 kΩ
AV AUX	550 mV / 25 kΩ
DVD/6CH INPUT	550 mV / 25 kΩ
Output level / impedance REC OUT (MD/TAPE, VIDEO 1)	500 mV / 1 kΩ
PRE OUT (SUBWOOFER)	1.3 V / 2.2 kΩ
Tone control BASS	±9 dB (at 100 Hz)
TREBLE	±9 dB (at 10 kHz)

DIGITAL AUDIO section

Input terminal Optical	CD, VIDEO 2
Coaxial	DVD

VIDEO section

Video format (Video Conversion)	PAL/NTSC (KRF-V9300D/KRF-V8300D only)
VIDEO input sensitivity / impedance (DVD, VIDEO 1, VIDEO 2, AV AUX) Composite	1 Vp-p / 75 Ω
VIDEO output level / impedance (VIDEO 1, MONITOR) Composite	1 Vp-p / 75 Ω
S-VIDEO input sensitivity / impedance (DVD, VIDEO 2) Y-signal	1 Vp-p / 75 Ω
C-signal	0.286 Vp-p / 75 Ω
S-VIDEO output level / impedance (MONITOR) Y-signal	1 Vp-p / 75 Ω
C-signal	0.286 Vp-p / 75 Ω
COMPONENT VIDEO input sensitivity / impedance (DVD, VIDEO 1, VIDEO 2) Y-signal	1 Vp-p / 75 Ω
CB/ CR-signal	0.7 Vp-p / 75 Ω
COMPONENT VIDEO output level / impedance (MONITOR) Y-signal	1 Vp-p / 75 Ω
CB/ CR-signal	0.7 Vp-p / 75 Ω

HDMI section

HDMI input terminal	DVD, VIDEO 2
HDMI output terminal	MONITOR

FM tuner section

Tuning frequency range	87.5 MHz – 108.0 MHz
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AM tuner section

Tuning frequency range	531 kHz – 1,602 kHz
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iPod section

Maximum current drain	500 mA
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General

Power consumption KRF-V9300D	275 W
KRF-V8300D/KRF-V7300D	255 W
Standby power consumption (HDMI Link :Off)	less than 0.4 W
Dimensions (KRF-V9300D)	W: 440 mm (17-5/16")
.....	H: 166 mm (6-9/16")
.....	D: 394 mm (15-1/2")
Dimensions (KRF-V8300D/KRF-V7300D)	W: 440 mm (17-5/16")
.....	H: 159 mm (6-1/4")
.....	D: 394 mm (15-1/2")
Weight (net) KRF-V9300D	11.0 kg (24.3 lb)
KRF-V8300D/KRF-V7300D	10.9 kg (24.0 lb)



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).