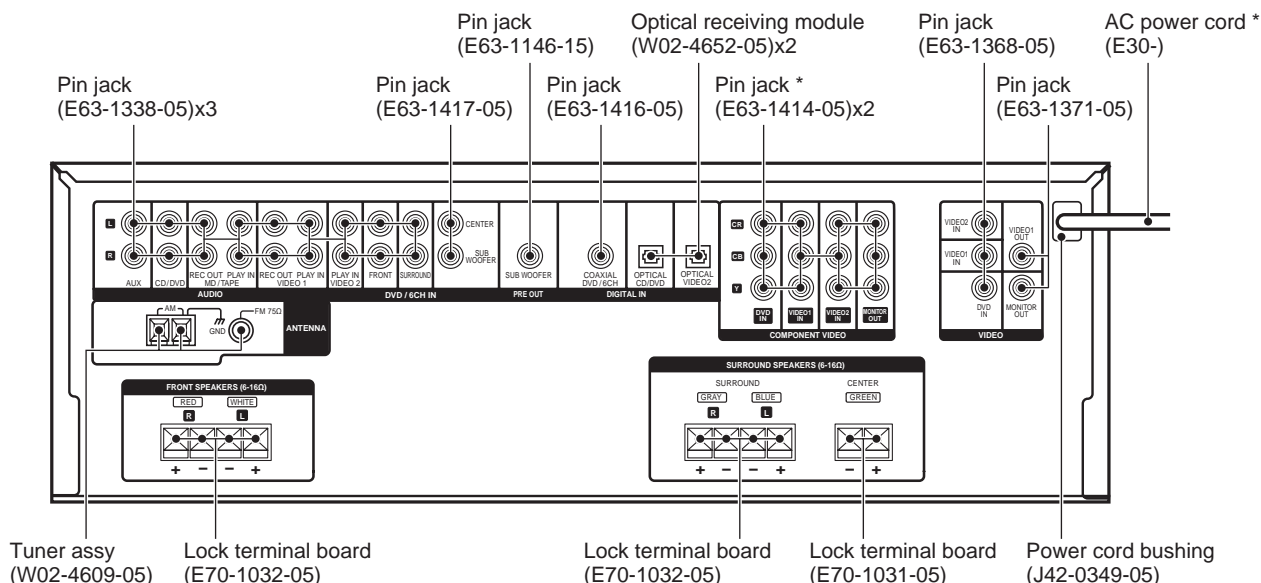
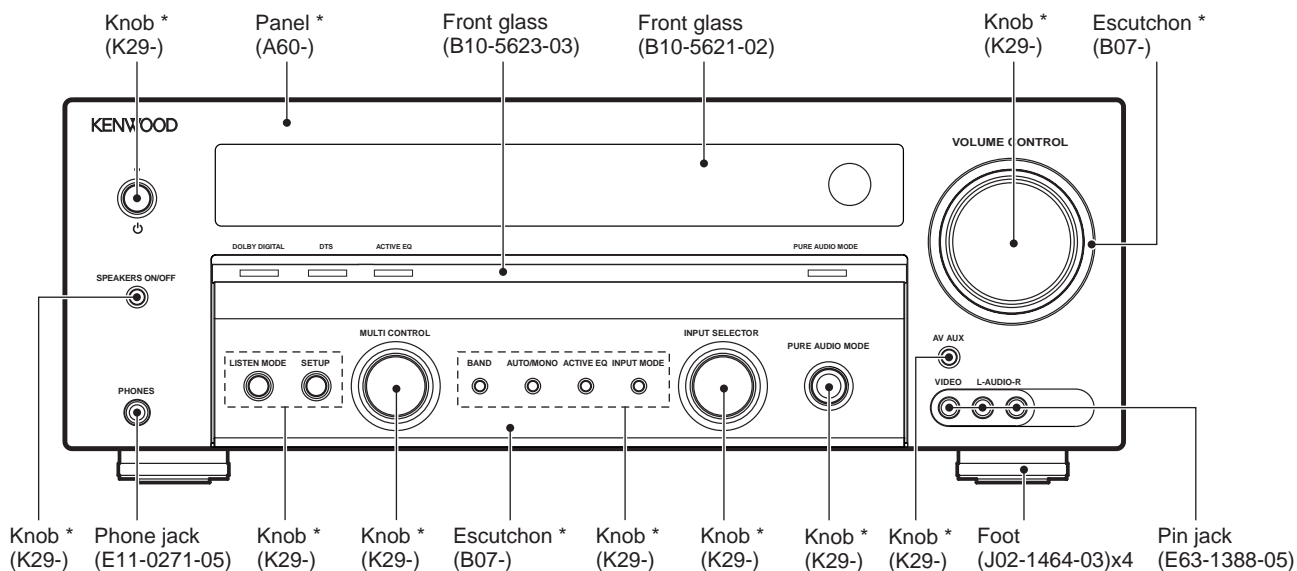


KRF-V5200D KRF-V5200D-S

SERVICE MANUAL

KENWOOD

Kenwood Corporation



* Refer to parts list on page 30.



KRF-V5200D

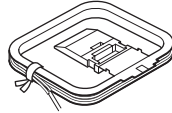
ACCESSORIES / CAUTIONS

Accessories

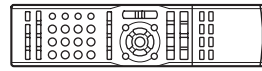
FM indoor antenna (1)
(T90-0877-05)



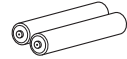
AM loop antenna (1)
(T90-0893-05)



Remote control unit (1)
RC-R0517
(A70-1719-05)



Batteries (R03) (2)
(-)



Cautions

Information on Disposal of Old Electrical and Electronic Equipment (applicable for EU countries that have adopted separate waste collection systems)



Products with the symbol (crossed-out wheeled bin) cannot be disposed as household waste. Old electrical and electronic equipment should be recycled at a facility capable of handling these items and their waste by products.

Contact your local authority for details in locating a recycle facility nearest to you.

Proper recycling and waste disposal will help conserve resources whilst preventing detrimental effects on our health and the environment.

Resetting the Microcomputer

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

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.

Memory back up function

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

- **Input selector settings**
- **Volume level**
- **BASS, TREBLE, INPUT level**
- **TONE ON/OFF**
- **ACTIVE EQ mode**
- **Dimmer level**
- **Speaker settings**
- **Sound mode settings**
- **Listen mode setting**
- **Tuner setting**

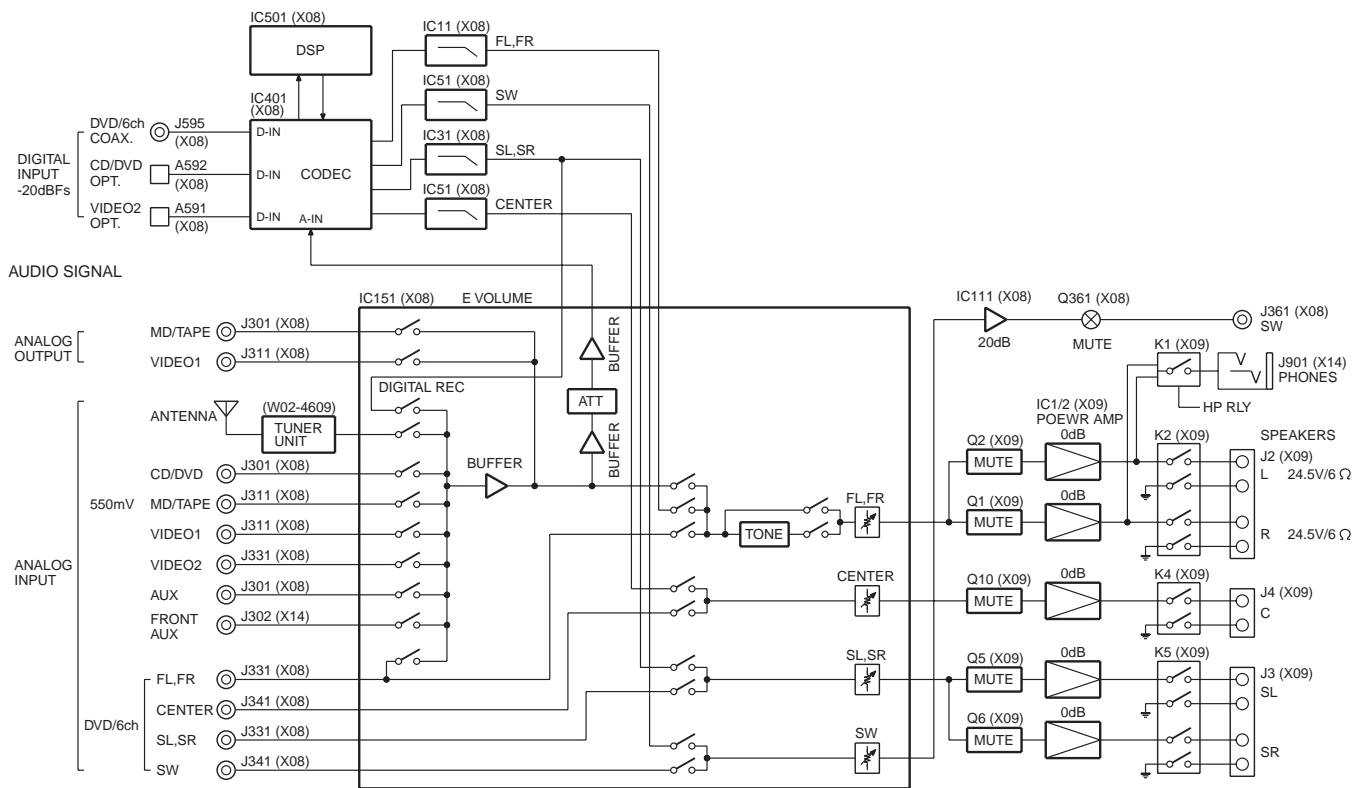
Manufactured under license from Dolby Laboratories. "Dolby", "Pro Logic" and the double-D symbol are trademarks of Dolby Laboratories.

"DTS" and "DTS Digital Surround" are registered trademarks of DTS, Inc.

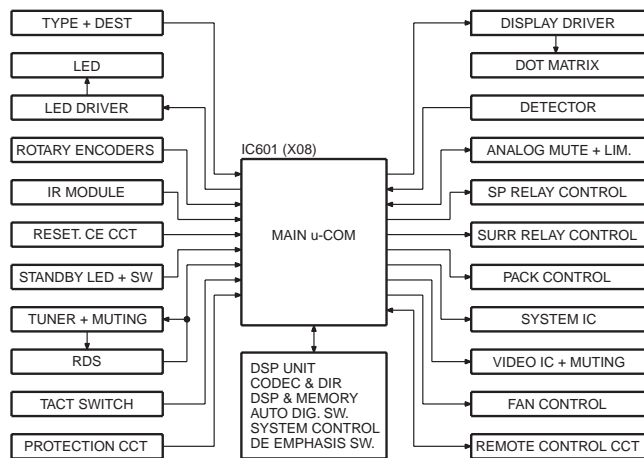


KRF-V5200D

BLOCK DIAGRAM

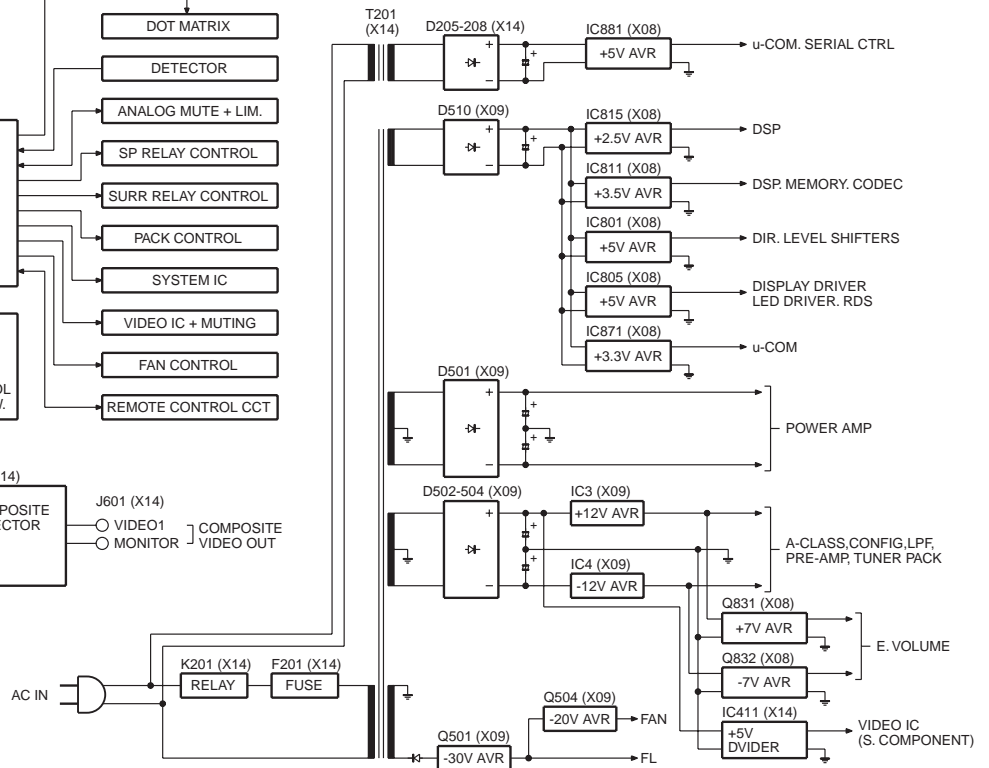
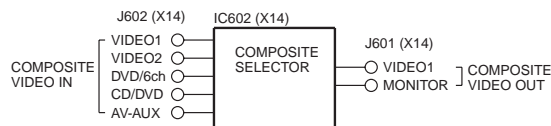


MPU



POWER SUPPLY

VIDEO SIGNAL



KRF-V5200D

CIRCUIT DESCRIPTION

● Fan Motor Control

Fan control signal from the microprocessor IC601 (X08) is supplied to the base of the transistor Q502 if changes thermal level. Normally the base voltage of Q502 is low and Q502 is not turn-on. The base of Q503 is minus voltage so Q503 is turn-on. Zener diodes D512 and 513 are short circuitry if Q503 is on. The collector's voltage of Q503 will be the same as zener diode D524, -10volts. This voltage leads fan motor to turn with low speed.

When thermal sensor works, the microprocessor will send the signal to Q502 and Q502 is turn-on. The base of Q503 becomes high level and it is not turn-on. Zener diodes D512 and 513 work. The base of Q504 is high level, -26volts. Fan motor will turn with high speed.

● AK4586VQP (IC401: X08) Port Description

Pin No.	Pin Name	I/O	Description
1	XTO	OUT	Crystal output port
2	XTI	IN	Crystal input port
3	DVDD	-	Power supply for digital circuit (4.5 to 5.5V)
4	DVSS	-	Ground for digital circuit
5	TVDD	-	Buffer of power supply (2.7 to 5.5V)
6	TX	OUT	Transmit channel (though data) output port.
7	MCKO	OUT	Master clock output port
8	LRCK	IN/OUT	Input/output channel clock port
9	BICK	IN/OUT	Audio serial data clock port
10	SDTO	OUT	Audio serial data output port
11	SDTI1	IN	DAC1 audio serial data input port
12	SDTI2	IN	DAC2 audio serial data input port
13	SDTI3	IN	DAC3 audio serial data input port
14	INT0	OUT	Interrupt 0 port
15	INT1	OUT	Interrupt 1 port
16	CDTO	OUT	Control data output port for 4-serial control mode
17	CDTI	IN	Control data input port for 4-serial control mode
18	CCLK	IN	Control data clock port for 4-serial control mode
19	CSN	IN	Chip selector port for 4-serial control mode
20	DZF2	OUT	Zero detector input port-2.
21	AVSS	-	Ground for analog circuit
22	AVDD	-	Power supply for analog circuit (4.5 to 5.5V)
23	VREFH	IN	Reference voltage port, AVDD
24	VCOM	OUT	Common voltage port, AVDD/2
25	DZF1	OUT	Zero detector input port-1.
26	LOUT3	OUT	L-ch analog output port from internal DAC3
27	ROUT3	OUT	R-ch analog output port from internal DAC3
28	LOUT2	OUT	L-ch analog output port from internal DAC2
29	ROUT2	OUT	R-ch analog output port from internal DAC2
30	LOUT1	OUT	L-ch analog output port from internal DAC1

CIRCUIT DESCRIPTION

Pin No.	Pin Name	I/O	Description
31	ROUT1	OUT	R-ch analog output port from internal DAC1
32	LIN	IN	L-ch analog input port
33	RIN	IN	R-ch analog input port
34	PVDD	-	Power supply for PLL (4.5 to 5.5V)
35	R	-	External resistor port
36	PVSS	-	PLL ground
37	RX4	IN	No use (receiver channel 4)
38	SLAVE	IN	Slave mode port. L; master or slave, H; slave
39	RX3	IN	Input channel 3. CD/DVD in this model.
40	TST	IN	Test port
41	RX2	IN	Input channel 3. VIDEO 2 in this model.
42	I2C	IN	Mode selector port. L; 4-serial, H; IIC bus.
43	RX1	IN	Input channel 1. DVD/6ch in this model.
44	PDN	IN	Power down and reset port

*book referred to maker's semiconductor handbook

● CS493263-CLZ (IC501: X08) Port Description

Pin No.	Pin Name	I/O	Description
1	VD1	-	Power supply for digital circuit (+2.5V)
2	DGND1	-	Ground for digital circuit
3	AUDATA3	OUT	Digital audio output port-3
4	/WR	IN	This port serves as the active-low data-write-input strobe..
5	/RD	-	This port serves as the active-low data bus enable.
6	A1	IN	Host parallel address bit one
7	A0	IN	Host parallel address bit zero
8~11	DATA7~DATA4	-	Pulled up
12	VD12	-	Power supply for digital circuit (+2.5V)
13	DGND2	-	Ground for digital circuit
14~17	DATA3~DATA0	-	Pulled up
18	/CS		Host parallel chip selector
19	SCDIO	IN/OUT	Serial control port data input and output
20	/ABOOT	OUT	Control port automatic boot enable
21	/EXTMEM	OUT	External memory chip selector port
22	SDATAN1	IN	PCM audio data input port-1
23	VD3	-	Power supply for digital circuit (+2.5V)
24	DGND3	-	Ground for digital circuit
25	SCLKN1	IN	PCM audio input bit clock
26	LRCLKN1	IN	PCM audio input sampling rate clock
27	CMPDAT	IN	The compressed data input port when the CDI is configured for bursty delivery
28	CMPCLK	IN	PCM audio input bit clock

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CIRCUIT DESCRIPTION

Pin No.	Pin Name	I/O	Description
29	CMPREQ	IN	PCM audio input sampling rate clock
30	CLKIN	IN	Master clock input port
31	CLKSEL	IN	DSP clock selector
32	FILT2	-	External filter for PLL
33	FILT1	-	External filter for PLL
34	VA	-	Power supply for clock generator (+2.5V)
35	AGND	-	Ground for PLL of clock generator
36	/RESET	IN	Master reset input port
37	DD	-	Pulled up
38	DC	-	Pulled up
39	AUDATA2	OUT	Digital audio output port-2
40	AUDATA1	OUT	Digital audio output port-1
41	AUDATA0	OUT	Digital audio output port-0
42	LRCLK	IN/OUT	Audio output sampling rate clock
43	SCLK	IN	Audio output bit clock
44	MCLK	IN/OUT	Audio master clock

*book referred to maker's semiconductor handbook

● LC72725KV (IC761: X08) Port Description

Pin No.	Pin Name	I/O	Description
1	RDS-ID/READY	OUT	RDS-ID/READY output
2	RDDA	OUT	RDS data output
3	Vref	OUT	Standard voltage output ($V_{dda}/2$)
4	MPXIN	IN	Base band (MPX) input
5	Vdda	-	Analog power supply (+3V)
6	Vssa	-	Analog gnd.
7	FLOUT	OUT	Sub carrier output (Filter output)
8	CIN	IN	Sub carrier input (Comparator input)
9	TEST	IN	Test signal input
10	MODE	IN	Read mode setting (0: master, 1: slave)
11	Vssd	-	Digital gnd.
12	Vddd	-	Digital power supply (+3V)
13	XIN	IN	Crystal oscillator input (External standard signal input)
14	XOUT	OUT	Crystal oscillator output (4.332MHz)
15	RST	IN	RDS-ID/RAM reset
16	RDCL	IN/OUT	RDS clock output (master), RDS clock input (slave)

*book referred to maker's semiconductor handbook

CIRCUIT DESCRIPTION

● Microprocessor: MN101C49KDF (IC601: X08) Port Description

Pin No.	Pin Name	I/O	Description	Logic
01	VREF-	-	A/D converter -ve power supply.	
02	TH_DET D1	IN	Thermal sensor protection detection 1	A/D
03	DET_F	IN	Signal level protection detection, front.	A/D
04	DET_S	IN	Signal level protection detection, surround.	A/D
05	TH_DET PACK	IN	Signal level protection detection, pack.	A/D
06	TH_DET D2	IN	Thermal sensor protection detection 2.	A/D
07	FAN_LEVEL	IN	FAN level	A/D
08	TH_DET LR	IN	Thermal sensor detection L/R	A/D
09	S-LEVEL	IN	RDS signal level detection	A/D
10	VREF+	-	A/D converter + ve power supply	
11	VDD	-	Microprocessor power supply port	
12	OSC2	OUT	Microprocessor master clock (8.38MHz)	
13	OSC1	IN	Microprocessor master clock (8.38MHz)	
14	VSS	-	Microprocessor power supply port	
15	XI	IN	No use	
16	XO	OUT	No use	
17	/MMOD	IN	Memory mode switch input port	Always "L"
18	FL_DIN	OUT	FL driver data input	
19	FL_D0	IN	FL driver data output	
20	FL_CLK	OUT	FL driver clock	
21~23	NC	OUT	No use	
24	/-6dB_ATT	OUT	-6dB ATT	Active "L"
25	/NC	OUT	No use	Active "L"
26	REMOCON	IN	Remote control input (interrupt)	
27	RDS_CLK	IN	RDS clock input (interrupt)	
28	RDS_DATA	IN	RDS data input	
29	CODEC_INT	IN	DIR error detection input (interrupt)	
30	DIGITAL_DET	IN	DIGITAL detection input	Active "H"
31	DSP_INTREQ	IN	DSP interrupt request input	
32	NC (For FLASH μ -com)	IN	No use	
33	/RESET	IN	Microprocessor reset	Active "L"
34	A_MUTE	OUT	Audio mute	
35	LIMITER	OUT	Limiter	
36	FAN_CONT	OUT	FAN control	
37	AMP PROT	IN	AMP protection	
38	AVR PROT	IN	AVR protection	
39	HP RLY	OUT	Headphone relay	
40	FA RLY	OUT	Front relay	
41	NC (For FLASH μ -com)	OUT	No use	
42~44	NC	OUT	No use	

KRF-V5200D

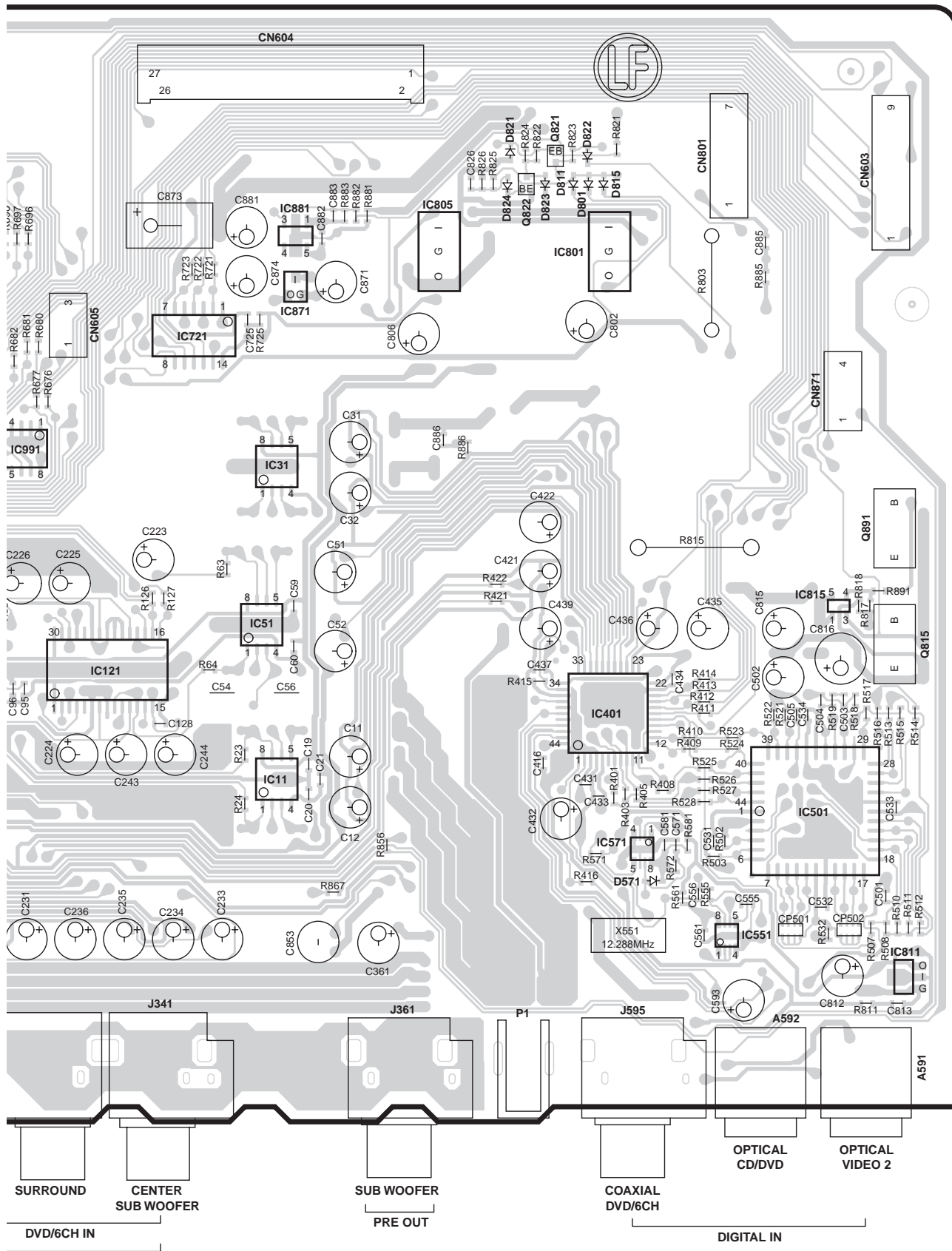
CIRCUIT DESCRIPTION

Pin No.	Pin Name	I/O	Description	Logic
45	DSP/CODEC_SCDIN	OUT	DSP IC data input	
46	DSP/CODEC_SCDOUT	IN	DSP IC data output	
47	DSP/CODEC_SCCLK	OUT	DSP IC clock	
48	NC	OUT	No use	
49	C/SW_RLY	OUT	CENTER/SUBWOOFER relay	
50	SL/SR_RLY	OUT	SURROUND relay	
51	SBL/SBR_RLY	OUT	BACK SURROUND relay	
52	F.AUX_KEY	IN	AV AUX key input	
53	VOL_ENC_A	IN	Volume encoder A	
54	VOL_ENC_B	IN	Volume encoder B	
55	NC	OUT	No use	
56	/STEREO	IN	TUNER stereo detection	
57	/SD	IN	TUNER signal detection	
58	T_MUTE	OUT	TUNER mute	
59	PLL_DO	IN	TUNER PLL IC data output	
60	PLL_CLK	OUT	TUNER PLL IC clock output	
61	PLL_DIN	OUT	TUNER PLL IC data input	
62	PLL_CE	OUT	TUNER PLL IC chip enable	
63	VOL_SEL_DATA	OUT	VOLUME IC data	
64	VOL_SEL_CLK	OUT	VOLUME IC clock	
65	SEL_DATA	OUT	SELECTOR IC data	
66	SEL_CLK	OUT	SELECTOR IC clock	
67	SEL_ST	OUT	SELECTOR IC STROBE	
68	SWF_POWER	OUT	SUBWOOFER POWER	
69	LED_DIMMER	OUT	LED dimmer	bright: H, dark: L
70	CODEC_CS	OUT	CODEC CS	
71	CODEC_DVF	OUT	CODEC DVF	
72	CODEC_PDN	OUT	CODEC power down	
73	DSP_PD	OUT	DSP power down	
74	DSP_CS	OUT	DSP CS	
75	EEPROM DATA	IN/OUT	EEPROM data	
76	EEPROM CLK	OUT	EEPROM clock	
77	S.DATA	IN/OUT	SL16 data	
78	S.BUSY	OUT	SL16 busy	
79	V_CTRL1	OUT	VIDEO control 1	
80	V_CTRL2	OUT	VIDEO control 2	
81	V_CTRL3	OUT	VIDEO control 3	
82	V_MUTE	OUT	VIDEO mute	
83	PURE	OUT	PURE AUDIO MODE led	
84	POWER_RLY	OUT	POWER relay	
85	/CE1	IN	Chip enable	Active "L"

CIRCUIT DESCRIPTION

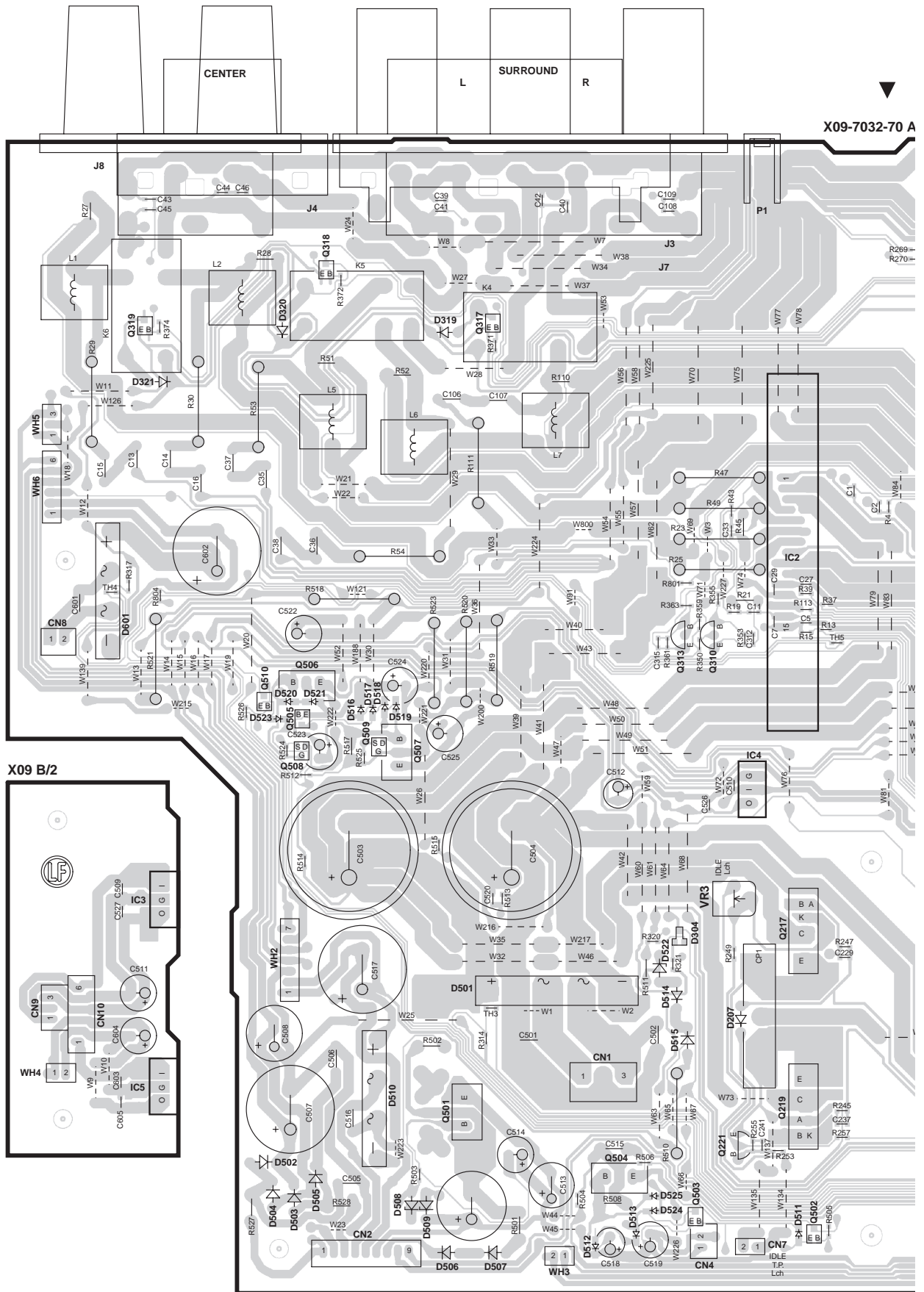
Pin No.	Pin Name	I/O	Description	Logic
86	STANDBY_LED	OUT	STANDBY led	
87	ENC_A1	IN	SELECTOR ENC input A	
88	ENC_A2	IN	SELECTOR ENC input B	
89	ENC_B1	IN	MULTI CONTROL ENC input A	
90	ENC_B2	IN	MULTI CONTROL ENC input B	
91	LED 2 (EQ)	OUT	ACTIVE EQ led	
92	LED 3 (DOLBY)	OUT	DOLBY DIGITAL led	
93	LED 4 (DTS)	OUT	DTS led	
94	LED 5 (PURE)	OUT	PURE AUDIO MODE led	
95	DAVSS	-	D/A converter power supply.	
96	NC	OUT	No use	
97	BAND_KEY	IN	BAND key	
98	POWER_KEY	IN	POWER key	
99	FL_STB	OUT	FL driver STROBE	
100	DAVDD	-	D/A converter positive power supply.	

*book referred to maker's semiconductor handbook

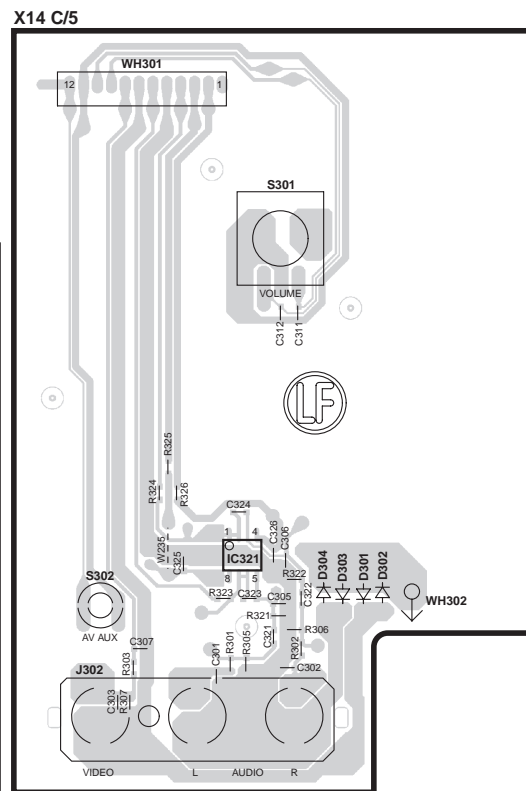
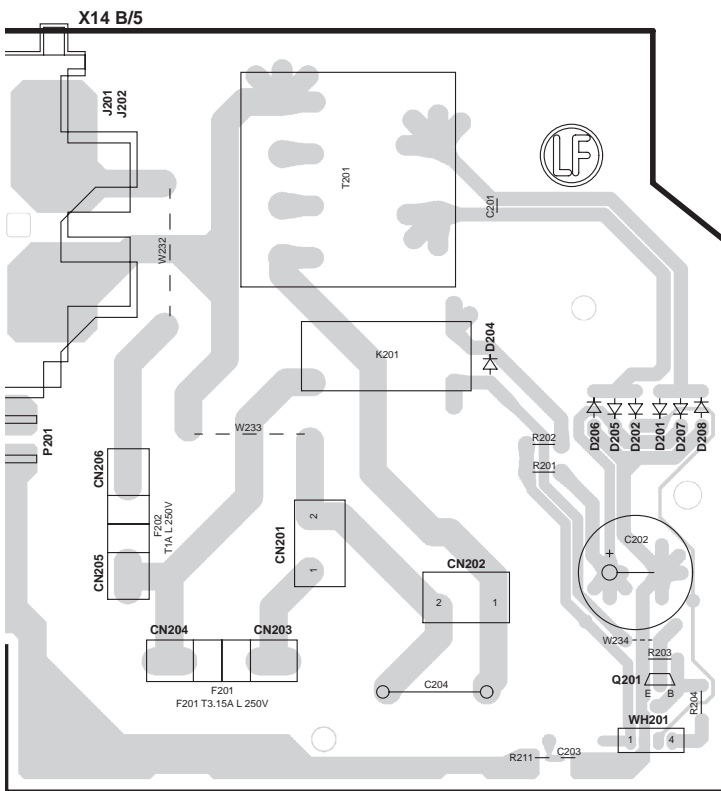
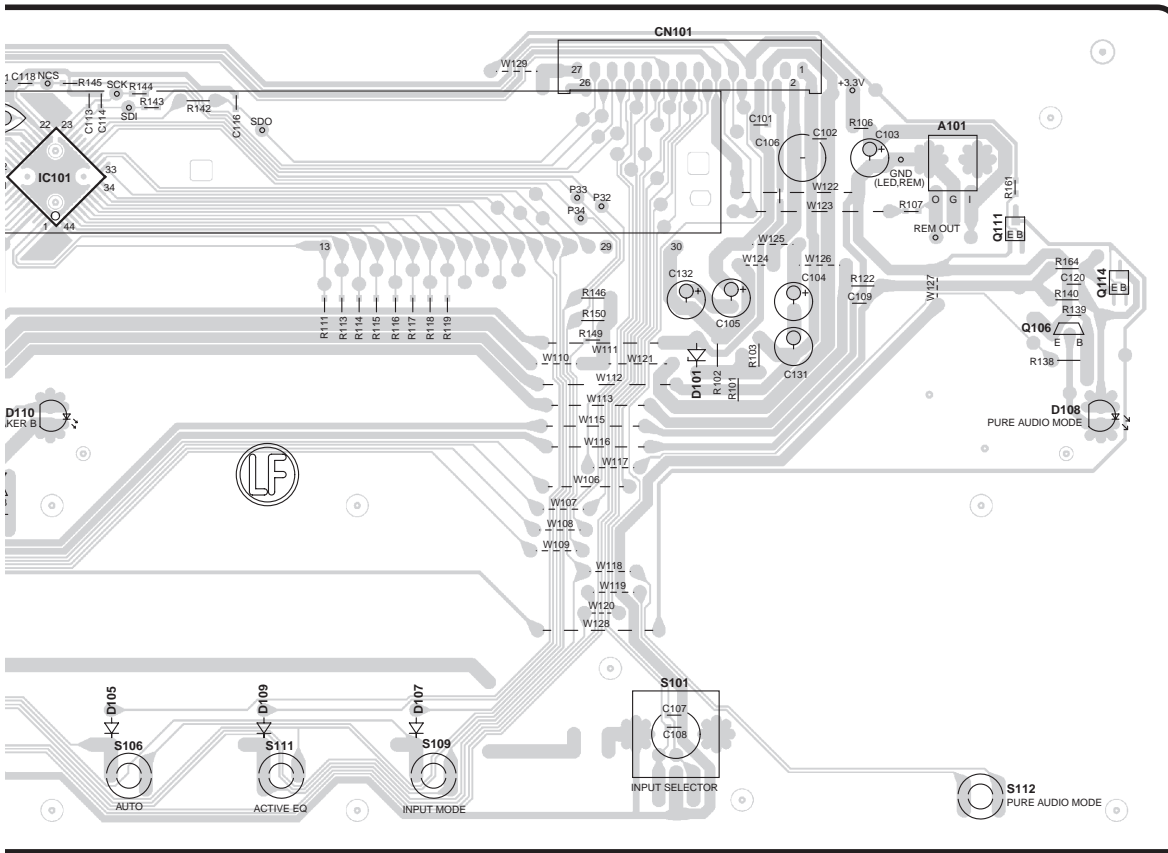


Refer to the schematic diagram for the values of resistors and capacitors.

KRF-V5200D PC BOARD

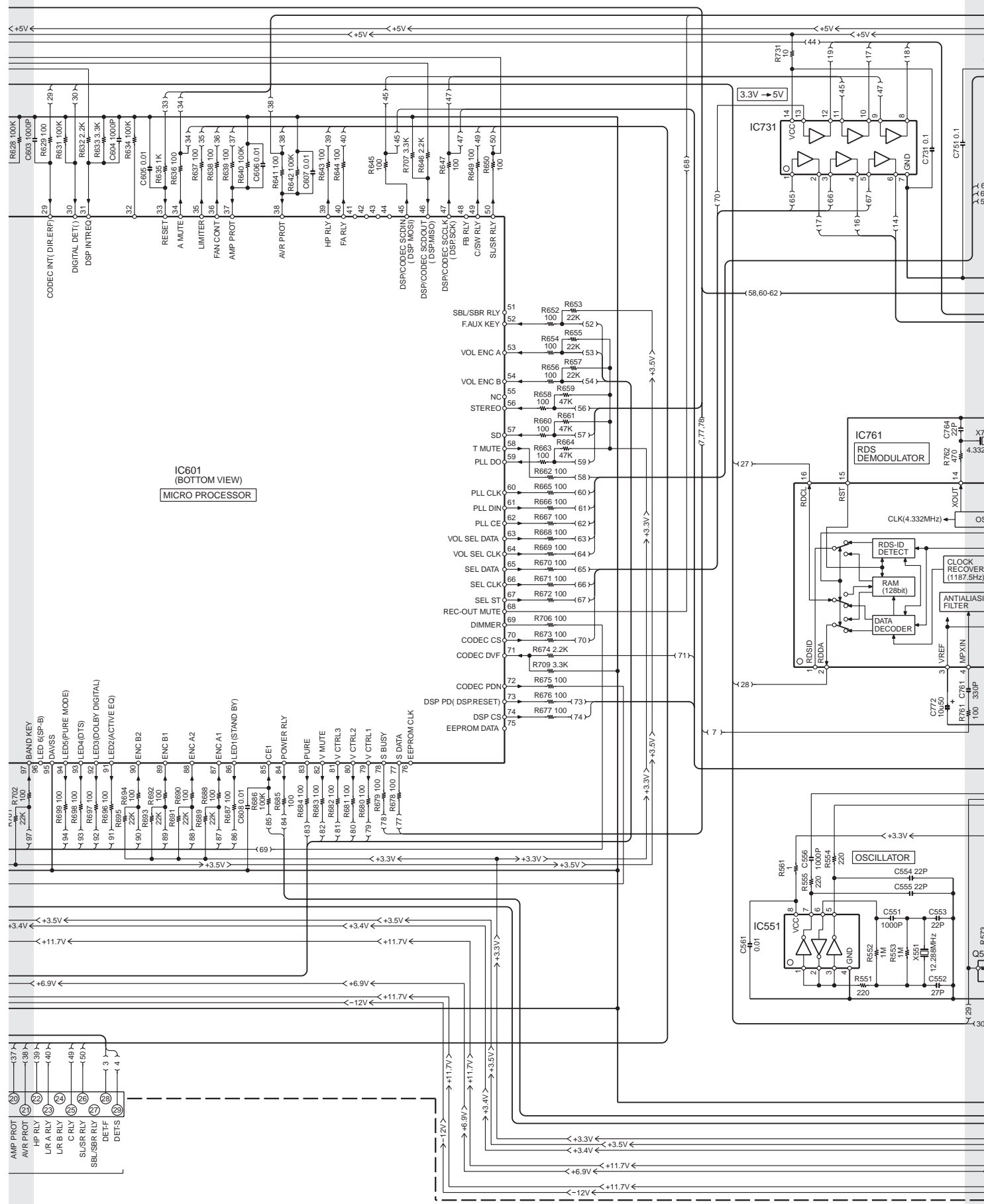


KRF-V5200D

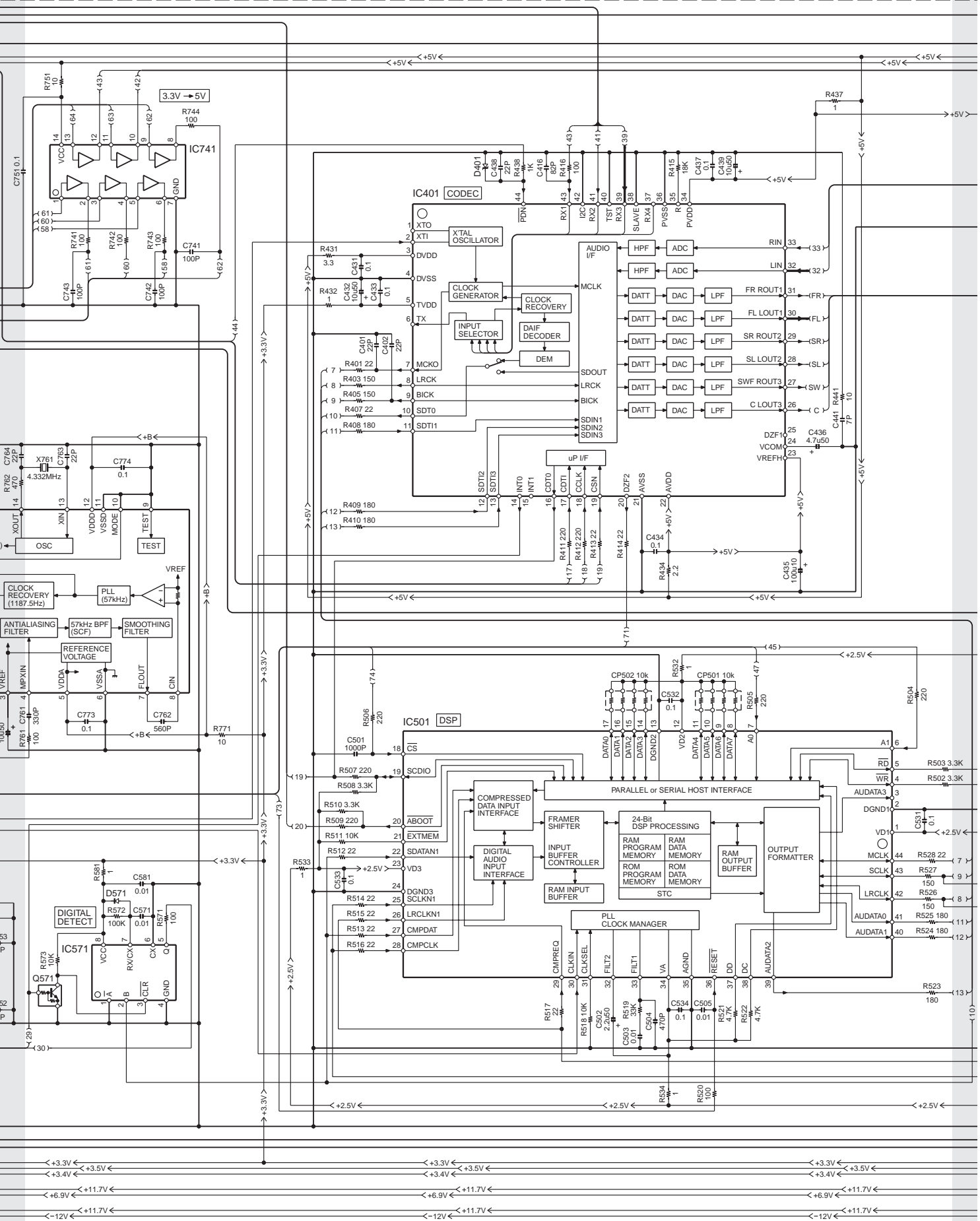


Refer to the schematic diagram for the values of resistors and capacitors.

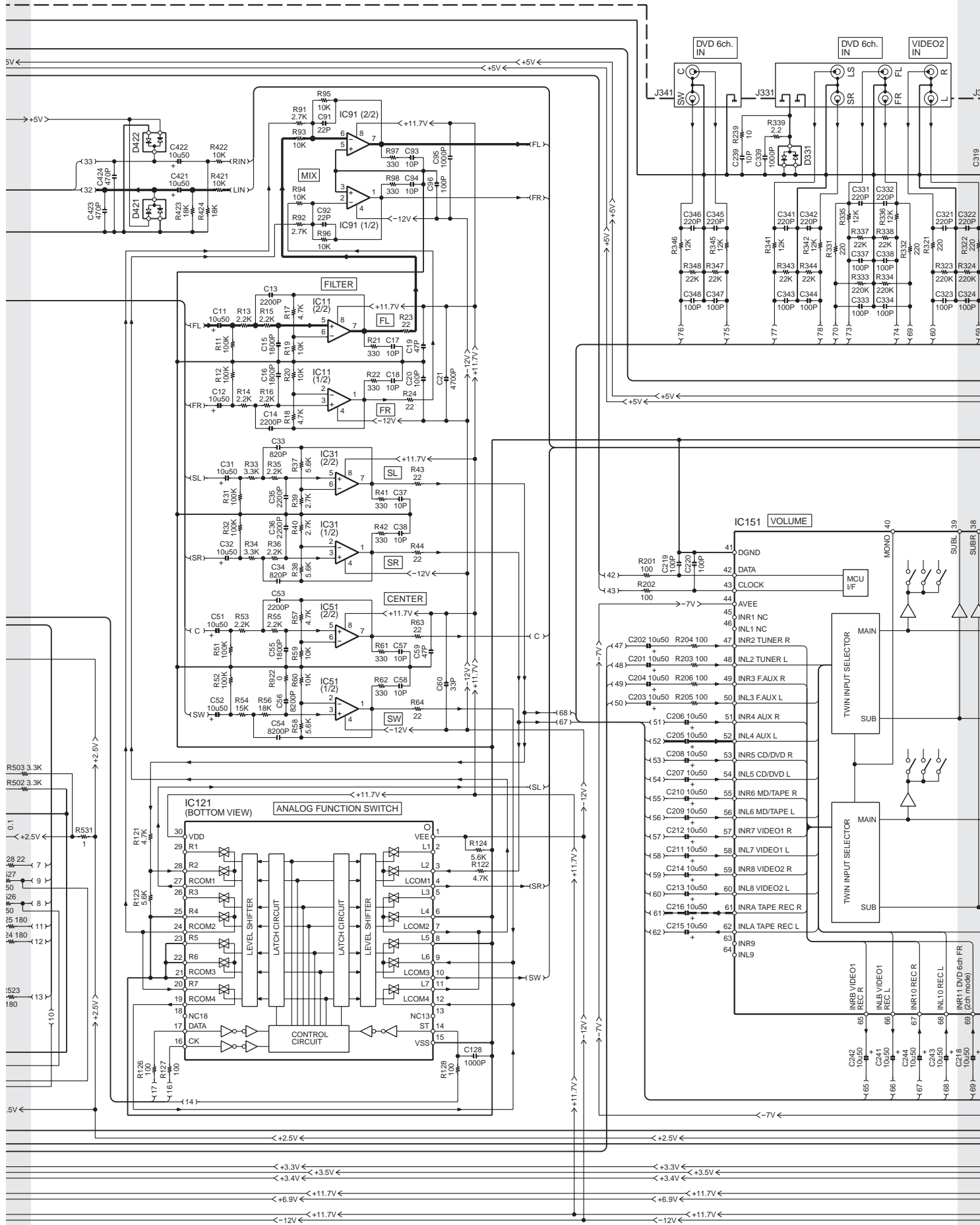
KRF-V5200D



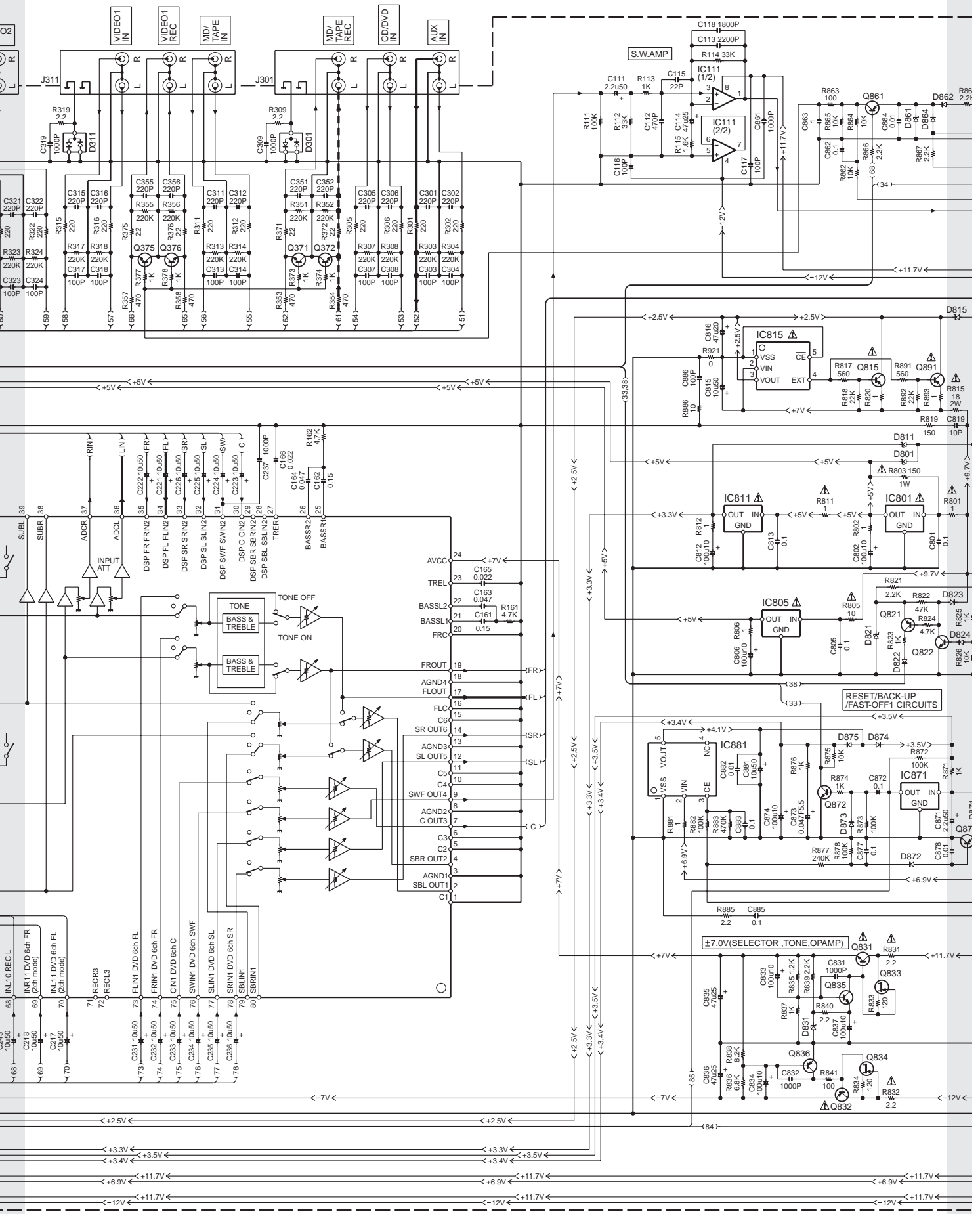
KRF-V5200D



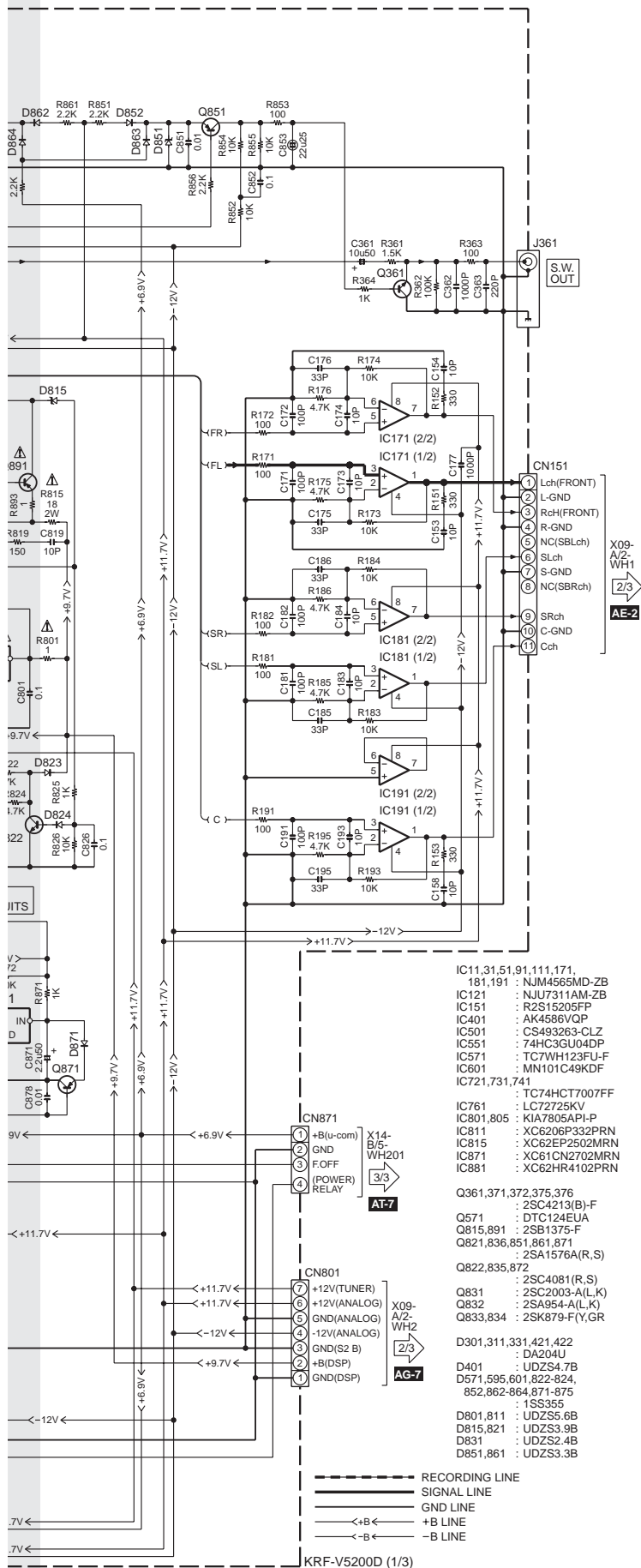
KRF-V5200D



KRF-V5200D



KRF-V5200D



- IC11,31,51,91,111,111,171,181,191 : NJM4565MD-ZB
- IC121 : NJU7311AM-ZB
- IC151 : R2S15205FP
- IC401 : AK4586VQP
- IC501 : CS493263-CLZ
- IC551 : 74HC3GU04DP
- IC571 : TC7WH123FU-F
- IC601 : MN101C49KDF
- IC721,731,741 : TC74HCT7007FF
- IC761 : LC72725KV
- IC801,805 : KIA7805API-P
- IC811 : XC6206P332PRN
- IC815 : XC62EP2502MRN
- IC871 : XC61CN2702MRN
- IC881 : XC62HR4102PRN

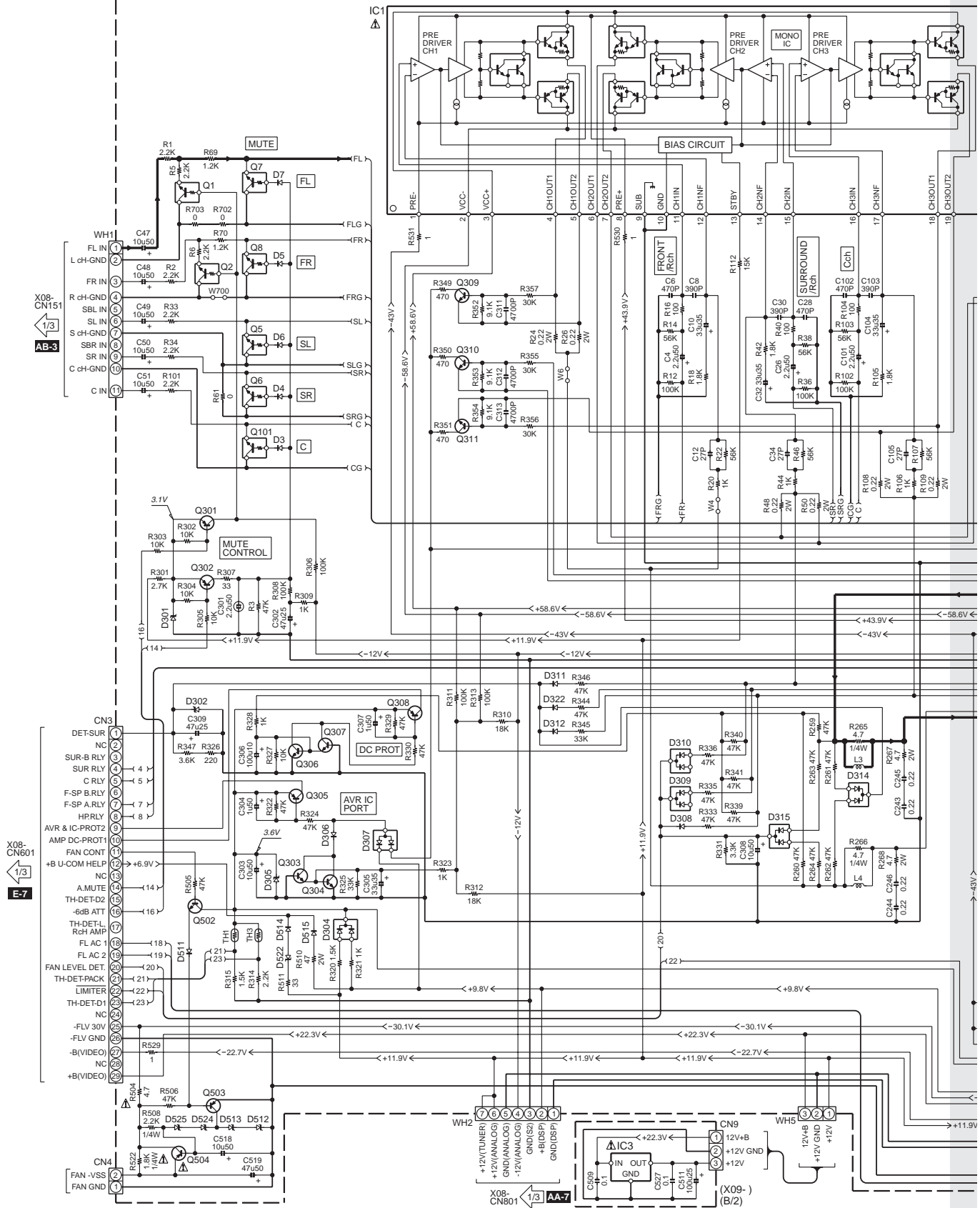
- Q361,371,372,375,376 : 2SC4213(B)-F
- Q571 : DTC124EUA
- Q815,891 : 2SB1375-F
- Q821,836,851,861,871 : 2SA1576A(R,S)
- Q822,835,872 : 2SC4081(R,S)
- Q831 : 2SC2003-A(L,K)
- Q832 : 2SA954-A(L,K)
- Q833,834 : 2SK879-F(Y,GR)
- D301,311,331,421,422 : DA204U
- D401 : UDZS4.7B
- D571,595,601,822-824,852,862-864,871-875 : 1SS355
- D801,811 : UDZS5.6B
- D815,821 : UDZS3.9B
- D831 : UDZS2.4B
- D851,861 : UDZS3.3B

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.

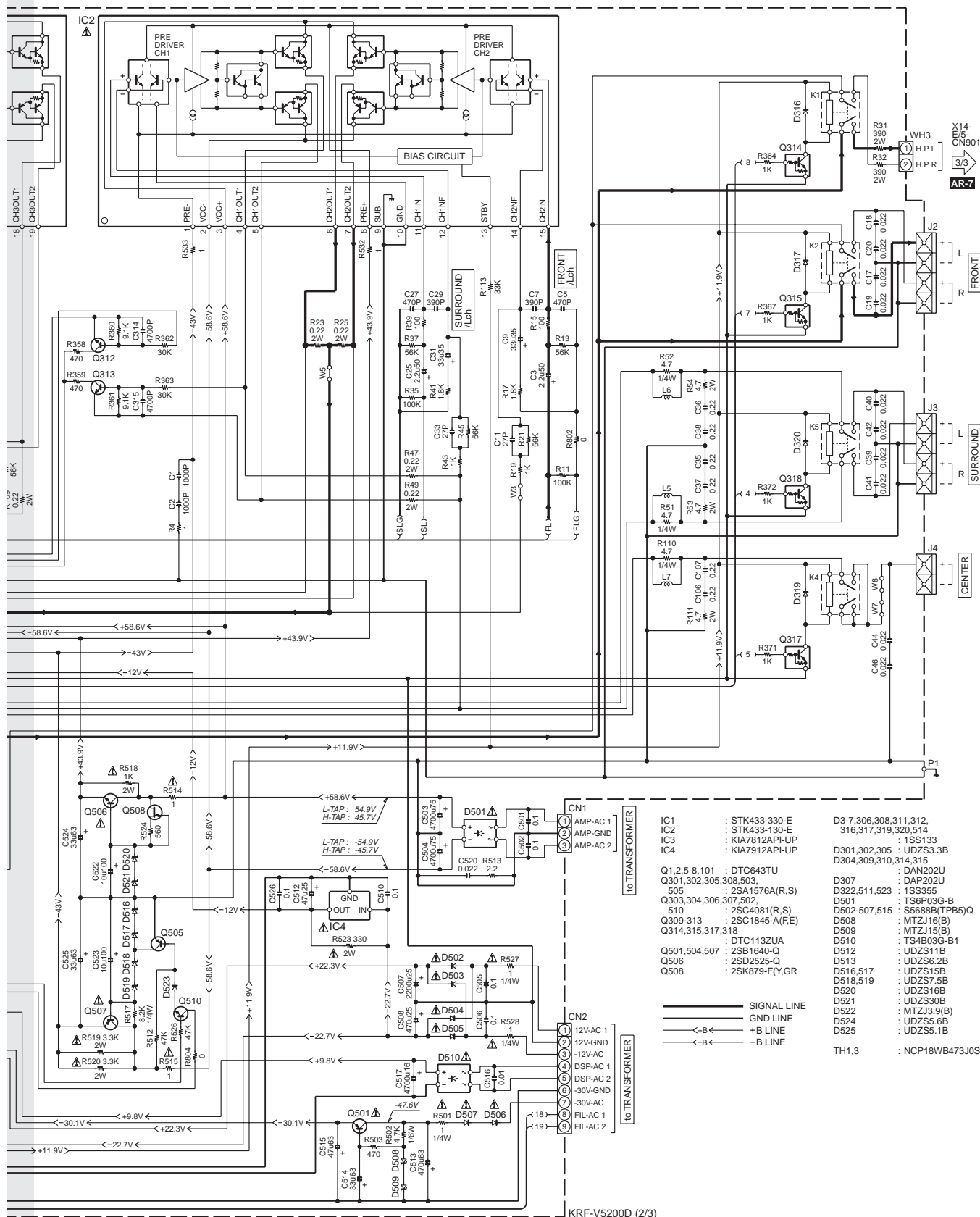
KRF-V5200D

(X09-7032-70) (A/2)



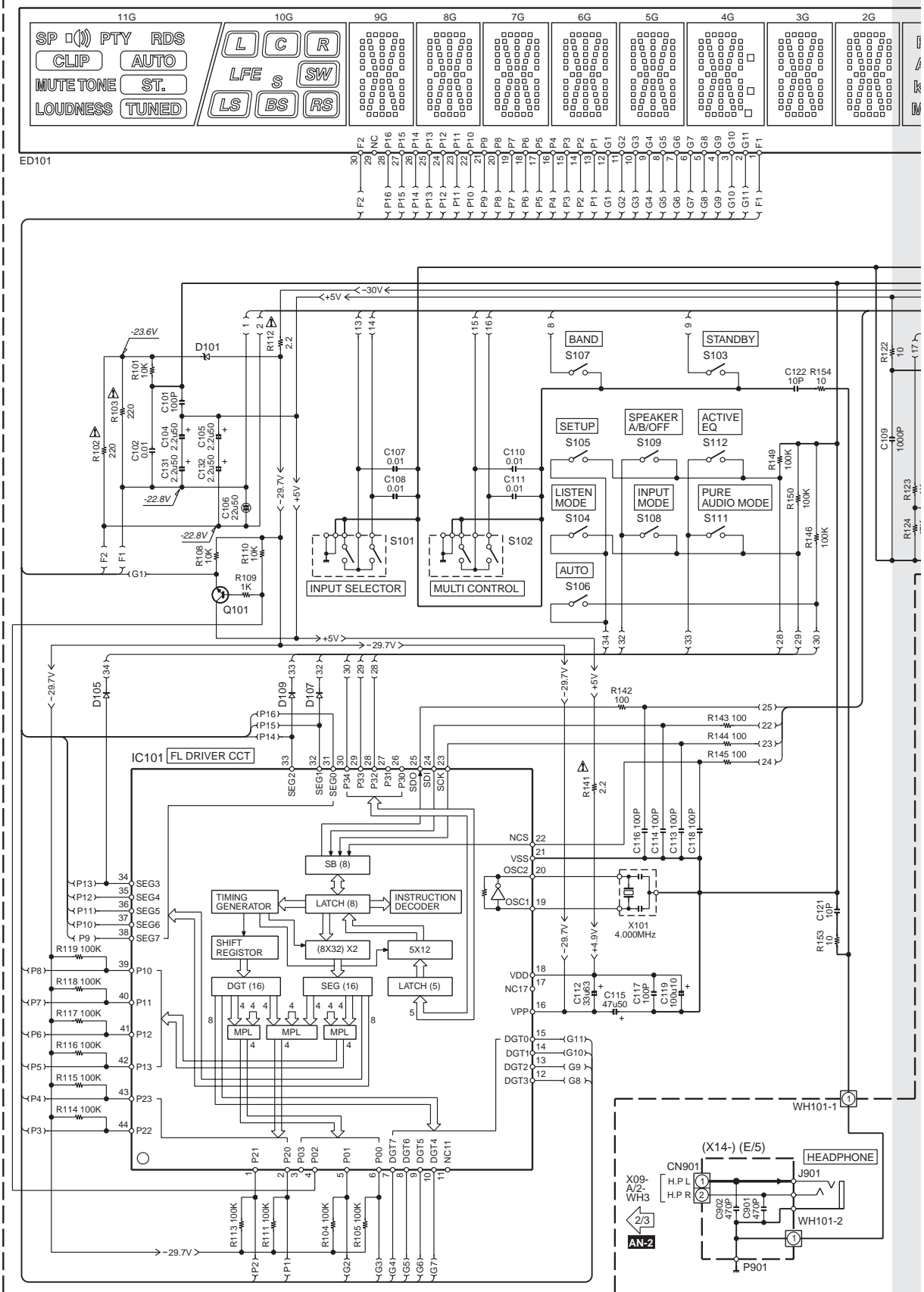
CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). Δ indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock,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

KRF-V5200D



KRF-V5200D

(X14-805x-xx) (A/5)



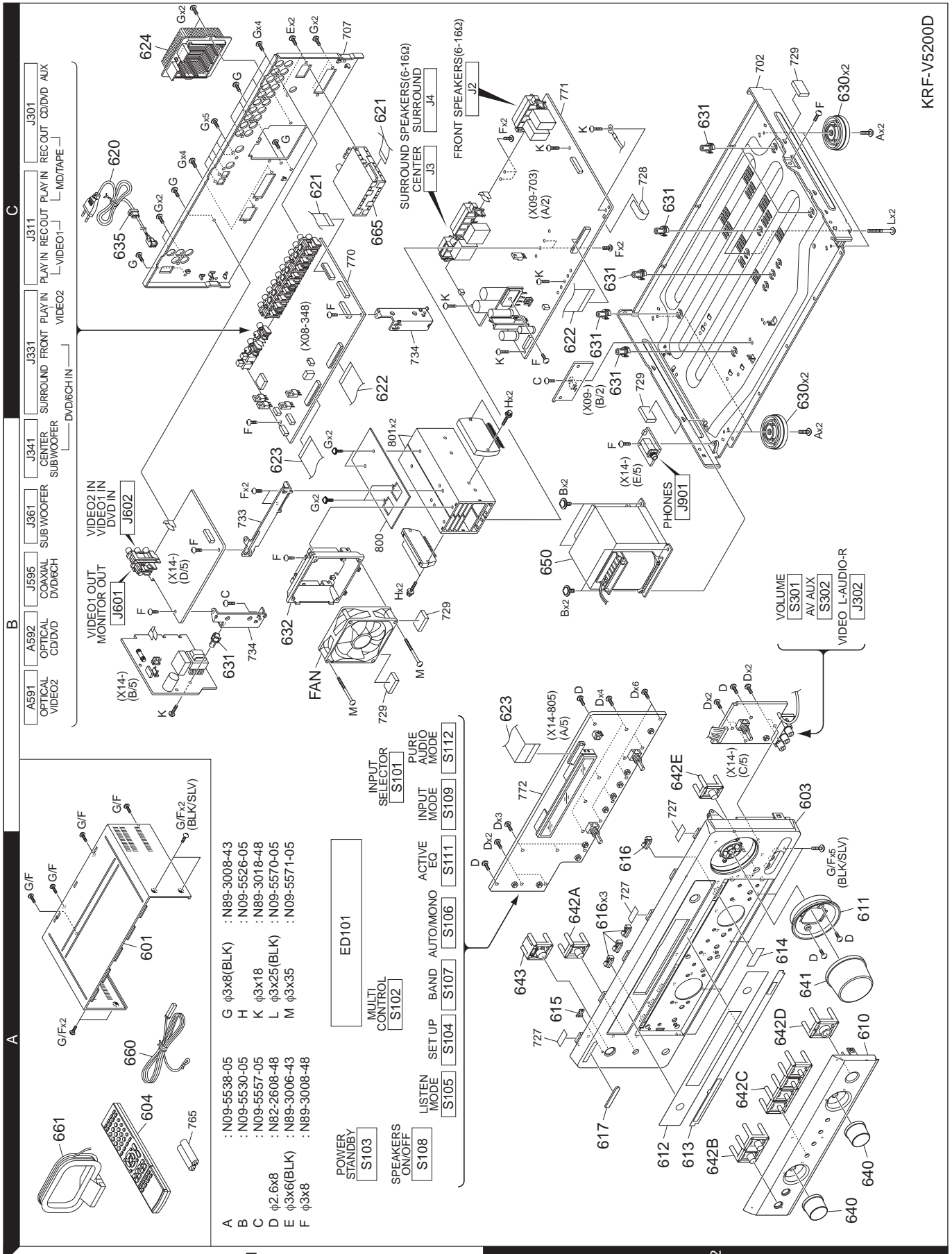
- IC101 : MN12510F
- IC321 : BA4560RF
- IC401 : KIA7805AP1-P
- IC402 : KIA7905PI-P
- IC602 : NJM2595M-ZB
- IC701 : NJM2586AM-ZB
- Q101-106,201 : 2SC1740S(Q,R)
- Q111,402 : DTC124EUA
- Q112-114 : DTA143TUA
- Q401,403,404 : 2SA1576A(R,S)
- Q405 : 2SC4081(R,S)
- D101 : MTZJ6.2(B)
- D102-104,106 : B30-2597-05
- D105,107,109,201,202,204-208,301-304 : 1SS133
- D108 : B30-2684-05
- D401 : MTZJ3.3(B)

(X14-805x-xx)

MODEL NAME	DESTINATION COUNTRY	ABB.	UNIT No.	R407, 413
KRF-V5200D	EUROPE	E	2-70	NO
KRF-V5200D-S	AUSTRALIA	X	0-71	YES

KRF-V5200D

EXPLODED VIEW



PARTS LIST

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

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

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
C19			CC73GGCH1H470J	47PF		
C20			CC73GGCH1H101J	100PF	J	
C21			CK73GB1H472K	4700PF	K	
C31, 32			CD04BJ1H100M	10UF	50WV	
C33, 34			CC73GGCH1H821J	8200PF	J	
C35, 36			CC73GGCH1H222J	2200PF	J	
C37, 38			CC73GGCH1H100M	10PF	D	
C51, 52			CD04BJ1H100M	10UF	50WV	
C53			CC73GGCH1H222J	2200PF	J	
C54			CQ93FMG1H822J	8200PF	J	
C55			CC73GGCH1H822J	1800PF	J	
C56			CQ93FMG1H822J	8200PF	J	
C57, 58			CC73GGCH1H100D	10PF	D	
C59			CC73GGCH1H470J	47PF	J	
C60			CC73GGCH1H330J	33PF	J	
C91, 92			CC73GGCH1H220J	22PF	J	
C93, 94			CC73GGCH1H100D	10PF	D	
C95			CK73GB1H102K	1000PF	K	
C96			CC73GGCH1H101J	100PF	J	
C111			CD04BJ1H2R2M	2.2UF	50WV	
C112			CC73GGCH1H471J	470PF	J	
C113			CC73GGCH1H222J	2200PF	J	
C114			CD04BJ1E470M1	47UF	25WV	
C115			CC73GGCH1H220J	22PF	J	
C116, 117			CC73GGCH1H101J	100PF	J	
C118			CC73GGCH1H182J	1800PF	J	
C128			CC73GGCH1H102J	1000PF	J	
C153, 154			CC73GGCH1H100D	10PF	D	
C158			CC73GGCH1H100D	10PF	D	
C161, 162			CK73GB1E154K	0.15UF	K	
C163, 164			CK73GB1H473K	0.047UF	K	
C165, 166			CK73GB1H223K	0.022UF	K	
C171, 172			CC73GGCH1H101J	100PF	J	
C173, 174			CC73GGCH1H100D	10PF	D	
C175, 176			CC73GGCH1H330J	33PF	J	
C177			CC73GGCH1H102J	1000PF	J	
C181, 182			CC73GGCH1H101J	100PF	J	
C183, 184			CC73GGCH1H100D	10PF	D	
C185, 186			CC73GGCH1H330J	33PF	J	
C191			CC73GGCH1H101J	100PF	J	
C193			CC73GGCH1H100D	10PF	D	
C195			CC73GGCH1H330J	33PF	J	
C201-218			CD04BJ1H100M	10UF	50WV	
C219, 220			CC73GGCH1H101J	100PF	J	
C221-226			CD04BJ1H100M	10UF	50WV	
C231-236			CD04BJ1H100M	10UF	50WV	
C237			CC73GGCH1H102J	1000PF	J	
C239			CC73GGCH1H100D	10PF	D	
C241-244			CD04BJ1H100M	10UF	50WV	
C301, 302			CC73GGCH1H221J	220PF	J	
C303, 304			CC73GGCH1H101J	100PF	J	
C305, 306			CC73GGCH1H221J	220PF	J	
C307, 308			CC73GGCH1H101J	100PF	J	
C309			CK73GB1H102K	1000PF	K	
C311, 312			CC73GGCH1H221J	220PF	J	

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Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
KRF-V5200D						
601	1A	*	A01-39776-01	METALLIC CABINET, SILVER	S	
601	1A	*	A01-39777-01	METALLIC CABINET, #3976BLAC	B	
603	2B	*	A60-2508-01	PANEL, SILVER	S	
603	2B	*	A60-2509-01	PANEL, BLACK	B	
604	1A	*	A70-17719-05	REMOTE CONTROL ASSY, RC-R0517	S	
-	-	*	B60-56776-00	INSTRUCTION MANUAL (EN)	S	E
610	2A	*	B60-56777-00	INSTRUCTION MANUAL (5-LAN)	B	
610	2A	*	B07-2745-01	ESCUTCHEON, SILVER	S	
611	2A	*	B07-2746-01	ESCUTCHEON, #2746BLAC	B	
611	2A	*	B07-2747-03	ESCUTCHEON, RING-S	S	
611	2A	*	B07-2748-03	ESCUTCHEON, #2747BLAC	S	
612	2A	*	B10-5621-02	FRONT GLASS, DISPLAY	B	
613	2A	*	B10-5623-05	FRONT GLASS, SELECTOR	B	
614	2A	*	B11-1634-04	COLOR FILTER, PURE-AUDI	B	
615	2A	*	B12-1408-04	INDICATOR, POWER	B	
616	2A	*	B12-1409-04	INDICATOR, SELECTOR	B	
617	2A	*	B43-0336-04	BADGE	B	
620	1C	*	E30-7330-05+	AC POWER CORD, AS ROUND PLUG	X	
620	1C	*	E30-7368-05	AC POWER CORD, EN 2.5A	E	
621	1C	*	E35-3943-05	FLAT CABLE, TUNER		
622	1C,2C	*	E35-3948-05	FLAT CABLE, 29PX09-X0		
623	1B,2B	*	E35-3953-05	FLAT CABLE, 27PX14-X0		
624	1C	*	F07-2037-02	COVER, FAN		
FAN	1B	*	F09-0192-05	FAN		
630	2C	*	J61-0307-05	WIRE BAND		
631	1B,2C	*	J02-1464-03	FOOT		
632	1B	*	J19-3751-04	UNIT HOLDER		
635	1C	*	J19-6471-02	HOLDER, FAN		
640	2A	*	J42-0349-05	POWER CORD BUSHING		
640	2A	*	K29-8585-04	KNOB, JOG-S	S	
641	2A	*	K29-8586-04	KNOB, #8586BLAC	B	
641	2A	*	K29-8587-03	KNOB, VOL-S	S	
641	2A	*	K29-8588-03	KNOB, #8587BLAC	B	
642	2A,2B	*	K29-8589-02	KNOB, TACT-S	S	
642	2A,2B	*	K29-8590-02	KNOB, #8589BLAC	B	
643	2A	*	K29-8591-03	KNOB, POWER	S	
643	2A	*	K29-8592-03	KNOB, #8591BLAC	B	
650	2B	*	L07-3353-05	POWER TRANSFORMER, 230V, E	E	
650	2B	*	L07-3354-05	POWER TRANSFORMER, 240V, X	X	
D			N82-2608-48	BINDING HEAD TAPTITE SCREW		
F			N89-3008-48	BINDING HEAD TAPTITE SCREW		
K			N89-3018-48	BINDING HEAD TAPTITE SCREW		
660	1A	*	T90-0877-05	LEAD WIRE ANTENNA		
661	1A	*	T90-0893-05	LOOP ANTENNA		
665	1C	*	W02-4609-05	TUNER ASSY		
SURROUND (X08-3482-70)						
C11, 12			CD04BJ1H100M	ELECTRO		
C13, 14			CC73GGCH1H222J	10UF	50WV	
C15, 16			CC73GGCH1H182J	2200PF	J	
C17, 18			CC73GGCH1H100D	1800PF	J	
				10PF	D	

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Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
C712			CD04BJ1H100M	ELECTRO		
C713			CK73GCH1H100D	CHIP C		50WV
C714			CD04BJ1H100M	ELECTRO		D
C715-720			CK73GB1H104K	CHIP C		50WV
C725			CK73GB1H104K	CHIP C		K
C731			CK73GB1H104K	CHIP C		K
C741-743			CK73GCH1H101J	CHIP C		J
C751			CK73GB1H104K	CHIP C		K
C761			CK73GCH1H331J	CHIP C		J
C762			CK73GCH1H361J	CHIP C		J
C763,764			CK73GCH1H220J	CHIP C		J
C772			CD04BJ1H100M	ELECTRO		50WV
C773,774			CK73GB1H104K	CHIP C		K
C801			CK73GB1H104K	CHIP C		K
C802			CD04BJ1A101M	ELECTRO		10WV
C805			CK73GB1H104K	CHIP C		K
C812			CD04BJ1A101M	ELECTRO		10WV
C813			CK73GB1H104K	CHIP C		K
C815			CD04BJ1H100M	ELECTRO		50WV
C816		*	CD04BH1D470M	ELECTRO		20WV
C819			CK73GCH1H100D	CHIP C		D
C826			CK73GB1H104K	CHIP C		K
C831,832			CK73GB1H102K	CHIP C		K
C833,834			CD04BJ1A101M	ELECTRO		10WV
C835,836			CD04BJ1E470M	ELECTRO		25WV
C837			CD04BJ1A101M	ELECTRO		10WV
C851			CK73GB1H103K	CHIP C		K
C852			CK73GB1H104K	CHIP C		K
C853			CD04AU1E220M	NP.ELEC		25WV
C861			CK73GB1H102K	CHIP C		K
C862			CK73GB1H104K	CHIP C		K
C863			CK73GB1A105K	CHIP C		K
C864			CK73GB1H103K	CHIP C		K
C871			CD04BJ1H2R2M	ELECTRO		50WV
C872			CK73GB1H104K	CHIP C		K
C873			90-5839-05	BACKUP C		5.5WV
C874			CD04BJ1A101M	ELECTRO		10WV
C877			CK73GB1H104K	CHIP C		K
C878			CK73GB1H103K	CHIP C		K
C881			CD04BJ1H100M	ELECTRO		50WV
C882			CK73GB1H103K	CHIP C		K
C883			CK73GB1H104K	CHIP C		K
C885			CK73GB1H104K	CHIP C		K
C886			CK73GCH1H101J	CHIP C		J
CN601		*	E41-1472-05	FLAT CABLE CNNECTR, 1.25MM, 29P		
CN604		*	E41-1470-05	FLAT CABLE CNNECTR, 1.25MM, 27P		
CN761			E41-1429-05	FLAT CABLE CNNECTR, 1.25MM, 15P		
J301			E63-1338-05	PIN JACK, 6P, RED/WHT		
J311			E63-1338-05	PIN JACK, 6P, RED/WHT		
J331			E63-1417-05	PIN JACK, 6P, RED/WHT		
J341			E63-1417-05	PIN JACK, C/SWF,VRTCL-2P, BLK		
J361			E63-1446-15	PIN JACK, SWF, 1P, BLK		
J595		*	E63-1416-05	PIN JACK, DVD COAX 1P, ORANGE, LF		

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C313,314			CK73GCH1H101J	CHIP C		J
C315,316			CK73GCH1H221J	CHIP C		J
C317,318			CK73GCH1H101J	CHIP C		J
C319			CK73GB1H102K	CHIP C		K
C321,322			CK73GCH1H221J	CHIP C		J
C323,324			CK73GCH1H101J	CHIP C		J
C331,332			CK73GCH1H221J	CHIP C		J
C333,334			CK73GCH1H101J	CHIP C		J
C337,338			CK73GCH1H101J	CHIP C		J
C339			CK73GB1H102K	CHIP C		K
C341,342			CK73GCH1H221J	CHIP C		J
C343,344			CK73GCH1H101J	CHIP C		J
C345,346			CK73GCH1H221J	CHIP C		J
C347,348			CK73GCH1H101J	CHIP C		J
C351,352			CK73GCH1H221J	CHIP C		J
C355,356			CK73GCH1H221J	CHIP C		J
C361			CD04BJ1H100M	ELECTRO		50WV
C362			CK73GCH1H102J	CHIP C		J
C363			CK73GCH1H221J	CHIP C		J
C401,402			CK73GCH1H220J	CHIP C		J
C416			CK73GCH1H820J	CHIP C		J
C421,422			CD04BJ1H100M	ELECTRO		50WV
C423,424			CK73GCH1H471J	CHIP C		J
C431			CK73GB1H104K	CHIP C		K
C432			CD04BJ1H100M	ELECTRO		50WV
C433,434			CK73GB1H104K	CHIP C		K
C435			CD04BJ1A101M	ELECTRO		10WV
C436			CD04BJ1H4R7M	ELECTRO		50WV
C437			CK73GB1H104K	CHIP C		K
C438			CK73GCH1H220J	CHIP C		J
C439			CD04BJ1H100M	ELECTRO		50WV
C441			CK73GCH1H070D	CHIP C		D
C442			CK73GCH1H100D	CHIP C		D
C501			CK73GB1H102K	CHIP C		K
C502			CD04BJ1H2R2M	ELECTRO		50WV
C503			CK73GB1H103K	CHIP C		K
C504			CK73GCH1H471J	CHIP C		J
C505			CK73GB1H103K	CHIP C		K
C531-534			CK73GB1H104K	CHIP C		K
C541			CK73GCH1H100D	CHIP C		D
C551			CK73GB1H102K	CHIP C		K
C552			CK73GCH1H270J	CHIP C		K
C553-555			CK73GCH1H220J	CHIP C		J
C556			CK73GB1H102K	CHIP C		K
C561			CK73GB1H103K	CHIP C		K
C571			CK73GB1H103K	CHIP C		K
C581			CK73GB1H103K	CHIP C		K
C593			CD04BJ1A101M	ELECTRO		10WV
C595			CK73GCH1H220J	CHIP C		J
C596			CK73GB1H472K	CHIP C		K
C601			CK73GB1H103K	CHIP C		K
C602			CK73GCH1H101J	CHIP C		J
C603,604			CK73GB1H102K	CHIP C		K
C605-608			CK73GB1H103K	CHIP C		K
C711			CK73GCH1H100D	CHIP C		D

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R305,306			RK73GB2A221J	220	J	1/10W
R307,308			RK73GB2A224J	220K	J	1/10W
R309			RK73GB2A2R2J	2.2	J	1/10W
R311,312			RK73GB2A221J	220	J	1/10W
R313,314			RK73GB2A224J	220K	J	1/10W
R315,316			RK73GB2A221J	220	J	1/10W
R317,318			RK73GB2A224J	220K	J	1/10W
R319			RK73GB2A2R2J	2.2	J	1/10W
R321,322			RK73GB2A221J	220	J	1/10W
R323,324			RK73GB2A224J	220K	J	1/10W
R331,332			RK73GB2A221J	220	J	1/10W
R333,334			RK73GB2A224J	220K	J	1/10W
R335,336			RK73GB2A123J	12K	J	1/10W
R337,338			RK73GB2A223J	22K	J	1/10W
R339			RK73GB2A2R2J	2.2	J	1/10W
R341,342			RK73GB2A123J	12K	J	1/10W
R343,344			RK73GB2A223J	22K	J	1/10W
R345,346			RK73GB2A123J	12K	J	1/10W
R347,348			RK73GB2A223J	22K	J	1/10W
R351,352			RK73GB2A224J	220K	J	1/10W
R353,354			RK73GB2A471J	470	J	1/10W
R355,356			RK73GB2A224J	220K	J	1/10W
R357,358			RK73GB2A471J	470	J	1/10W
R361			RK73GB2A152J	1.5K	J	1/10W
R362			RK73GB2A104J	100K	J	1/10W
R363			RK73GB2A101J	100	J	1/10W
R364			RK73GB2A102J	1.0K	J	1/10W
R371,372			RK73GB2A220J	22	J	1/10W
R373,374			RK73GB2A102J	1.0K	J	1/10W
R375,376			RK73GB2A220J	22	J	1/10W
R377,378			RK73GB2A102J	1.0K	J	1/10W
R401			RK73GB2A220J	22	J	1/10W
R403			RK73GB2A151J	150	J	1/10W
R405			RK73GB2A151J	150	J	1/10W
R407			RK73GB2A220J	22	J	1/10W
R408-410			RK73GB2A181J	180	J	1/10W
R411,412			RK73GB2A221J	220	J	1/10W
R413,414			RK73GB2A220J	22	J	1/10W
R415			RK73GB2A183J	18K	J	1/10W
R416			RK73GB2A101J	100	J	1/10W
R421,422			RK73GB2A103J	10K	J	1/10W
R423,424			RK73GB2A183J	18K	J	1/10W
R431			RK73GB2A3R3J	3.3	J	1/10W
R432			RK73GB2A1R0J	1.0	J	1/10W
R434			RK73GB2A2R2J	2.2	J	1/10W
R437			RK73GB2A1R0J	1.0	J	1/10W
R438			RK73GB2A102J	1.0K	J	1/10W
R441,442			RK73GB2A100J	10	J	1/10W
R502,503			RK73GB2A332J	3.3K	J	1/10W
R504-507			RK73GB2A221J	220	J	1/10W
R508			RK73GB2A332J	3.3K	J	1/10W
R509			RK73GB2A221J	220	J	1/10W
R510			RK73GB2A332J	3.3K	J	1/10W
R301,302			RK73GB2A103J	10K	J	1/10W
R303,304			RK73GB2A220J	22	J	1/10W

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E1			J11-0898-05	WIRE CLAMPER		
X551			L77-2296-15	CRYSTAL RESONATOR (12.288MHZ)		
X601			L78-0725-05	RESONATOR (8.38MHZ)		
X761			L77-2002-05	CRYSTAL RESONATOR (4.332MHZ)		
CP501,502			RK74GB1J103J	CHIP-COM	J	1/16W
R11,12			RK73GB2A104J	10K	J	1/10W
R13-16			RK73GB2A222J	100K	J	1/10W
R17,18			RK73GB2A472J	2.2K	J	1/10W
R19,20			RK73GB2A103J	4.7K	J	1/10W
R21,22			RK73GB2A331J	10K	J	1/10W
R23,24			RK73GB2A220J	330	J	1/10W
R31,32			RK73GB2A104J	22	J	1/10W
R33,34			RK73GB2A332J	100K	J	1/10W
R35,36			RK73GB2A222J	3.3K	J	1/10W
R37,38			RK73GB2A562J	5.6K	J	1/10W
R39,40			RK73GB2A272J	2.7K	J	1/10W
R41,42			RK73GB2A331J	330	J	1/10W
R43,44			RK73GB2A220J	22	J	1/10W
R51,52			RK73GB2A104J	100K	J	1/10W
R53			RK73GB2A222J	2.2K	J	1/10W
R54			RK73GB2A153J	15K	J	1/10W
R55			RK73GB2A222J	2.2K	J	1/10W
R56			RK73GB2A183J	18K	J	1/10W
R57			RK73GB2A472J	4.7K	J	1/10W
R58			RK73GB2A562J	5.6K	J	1/10W
R59,60			RK73GB2A103J	10K	J	1/10W
R61,62			RK73GB2A331J	330	J	1/10W
R63,64			RK73GB2A220J	22	J	1/10W
R91,92			RK73GB2A272J	2.7K	J	1/10W
R93-96			RK73GB2A103J	10K	J	1/10W
R97,98			RK73GB2A331J	330	J	1/10W
R111			RK73GB2A104J	100K	J	1/10W
R112			RK73GB2A333J	33K	J	1/10W
R113			RK73GB2A102J	1.0K	J	1/10W
R114			RK73GB2A333J	33K	J	1/10W
R115			RK73GB2A162J	1.6K	J	1/10W
R121,122			RK73GB2A472J	4.7K	J	1/10W
R123,124			RK73GB2A562J	5.6K	J	1/10W
R126-128			RK73GB2A101J	100	J	1/10W
R151-153			RK73GB2A331J	330	J	1/10W
R161,162			RK73GB2A472J	4.7K	J	1/10W
R171,172			RK73GB2A101J	100	J	1/10W
R173,174			RK73GB2A103J	10K	J	1/10W
R175,176			RK73GB2A472J	4.7K	J	1/10W
R181,182			RK73GB2A101J	100	J	1/10W
R183,184			RK73GB2A103J	10K	J	1/10W
R185,186			RK73GB2A472J	4.7K	J	1/10W
R191			RK73GB2A101J	100	J	1/10W
R193			RK73GB2A103J	10K	J	1/10W
R195			RK73GB2A472J	4.7K	J	1/10W
R201-206			RK73GB2A101J	100	J	1/10W
R239			RK73GB2A100J	10	J	1/10W
R301,302			RK73GB2A221J	220	J	1/10W
R303,304			RK73GB2A224J	220K	J	1/10W

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R642			RK73GB2A104J	CHIP R		
R643-645			RK73GB2A101J	CHIP R		
R646			RK73GB2A222J	CHIP R		
R647			RK73GB2A101J	CHIP R		
R649,650			RK73GB2A101J	CHIP R		
R652			RK73GB2A101J	CHIP R		
R653			RK73GB2A223J	CHIP R		
R654			RK73GB2A101J	CHIP R		
R655			RK73GB2A223J	CHIP R		
R656			RK73GB2A101J	CHIP R		
R657			RK73GB2A223J	CHIP R		
R658			RK73GB2A101J	CHIP R		
R659			RK73GB2A473J	CHIP R		
R660			RK73GB2A101J	CHIP R		
R661			RK73GB2A473J	CHIP R		
R662,663			RK73GB2A101J	CHIP R		
R664			RK73GB2A473J	CHIP R		
R665-673			RK73GB2A101J	CHIP R		
R674			RK73GB2A222J	CHIP R		
R675-685			RK73GB2A101J	CHIP R		
R686			RK73GB2A104J	CHIP R		
R687,688			RK73GB2A101J	CHIP R		
R689			RK73GB2A223J	CHIP R		
R690			RK73GB2A101J	CHIP R		
R691			RK73GB2A223J	CHIP R		
R692			RK73GB2A101J	CHIP R		
R693			RK73GB2A223J	CHIP R		
R694			RK73GB2A101J	CHIP R		
R695			RK73GB2A223J	CHIP R		
R696-699			RK73GB2A101J	CHIP R		
R701			RK73GB2A223J	CHIP R		
R702			RK73GB2A101J	CHIP R		
R703			RK73GB2A223J	CHIP R		
R704-706			RK73GB2A101J	CHIP R		
R707			RK73GB2A332J	CHIP R		
R708			RK73GB2A221J	CHIP R		
R709			RK73GB2A332J	CHIP R		
R711			RK73GB2A1R0J	CHIP R		
R713			RK73GB2A1R0J	CHIP R		
R721-723			RK73GB2A181J	CHIP R		
R725			RK73GB2A100J	CHIP R		
R731			RK73GB2A100J	CHIP R		
R741-744			RK73GB2A101J	CHIP R		
R751			RK73GB2A100J	CHIP R		
R761			RK73GB2A101J	CHIP R		
R762			RK73GB2A471J	CHIP R		
R763			RK73GB2A100J	CHIP R		
R771			RK73GB2A100J	CHIP R		
R801,802			RK73GB2A1R0J	CHIP R		
R803			RS14KB3A151J	FL-PROOF RS		
R805			RK73GB2A100J	CHIP R		
R806			RK73GB2A1R0J	CHIP R		
R811,812			RK73GB2A1R0J	CHIP R		
R815			RS14KB3D180J	FL-PROOF RS		
R817			RK73GB2A561J	CHIP R		

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Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
R518			RK73GB2A103J	CHIP R		
R519			RK73GB2A333J	CHIP R		
R520			RK73GB2A101J	CHIP R		
R521,522			RK73GB2A472J	CHIP R		
R523-525			RK73GB2A181J	CHIP R		
R526,527			RK73GB2A151J	CHIP R		
R528			RK73GB2A220J	CHIP R		
R531-534			RK73GB2A1R0J	CHIP R		
R541			RK73GB2A100J	CHIP R		
R551			RK73GB2A221J	CHIP R		
R552,553			RK73GB2A105J	CHIP R		
R554,555			RK73GB2A221J	CHIP R		
R561			RK73GB2A1R0J	CHIP R		
R571			RK73GB2A101J	CHIP R		
R572			RK73GB2A104J	CHIP R		
R573			RK73GB2A103J	CHIP R		
R581			RK73GB2A1R0J	CHIP R		
R591,592			RK73GB2A471J	CHIP R		
R593			RK73GB2A4R7J	CHIP R		
R595			RK73GB2A750J	CHIP R		
R601			RK73GB2A101J	CHIP R		
R602			RK73GB2A104J	CHIP R		
R603			RK73GB2A101J	CHIP R		
R604			RK73GB2A104J	CHIP R		
R605			RK73GB2A101J	CHIP R		
R606			RK73GB2A104J	CHIP R		
R607			RK73GB2A101J	CHIP R		
R608			RK73GB2A104J	CHIP R		
R609			RK73GB2A101J	CHIP R		
R610			RK73GB2A104J	CHIP R		
R611			RK73GB2A101J	CHIP R		
R612			RK73GB2A104J	CHIP R		
R613			RK73GB2A101J	CHIP R		
R614			RK73GB2A104J	CHIP R		
R615			RK73GB2A101J	CHIP R		
R616			RK73GB2A104J	CHIP R		
R617			RK73GB2A222J	CHIP R		
R618			RK73GB2A332J	CHIP R		
R619,620			RK73GB2A101J	CHIP R		
R621			RK73GB2A472J	CHIP R		
R622,623			RK73GB2A101J	CHIP R		
R624			RK73GB2A104J	CHIP R		
R625			RK73GB2A101J	CHIP R		
R626			RK73GB2A104J	CHIP R		
R627			RK73GB2A101J	CHIP R		
R628			RK73GB2A104J	CHIP R		
R629			RK73GB2A101J	CHIP R		
R631			RK73GB2A104J	CHIP R		
R632			RK73GB2A222J	CHIP R		
R633			RK73GB2A332J	CHIP R		
R634			RK73GB2A104J	CHIP R		
R635			RK73GB2A102J	CHIP R		
R636-639			RK73GB2A101J	CHIP R		
R640			RK73GB2A104J	CHIP R		
R641			RK73GB2A101J	CHIP R		

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Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
D815			UDZS3.9B	ZENER DIODE		
D821			UDZS3.9B	ZENER DIODE		
D822-824			1SS355	DIODE		
D831			UDZS2.4B	ZENER DIODE		
D881			UDZS3.3B	ZENER DIODE		
D852			1SS355	DIODE		
D861			UDZS3.3B	ZENER DIODE		
D862-864			1SS355	DIODE		
D871-875			1SS355	DIODE		
IC11			NJM4565MD-ZB	ANALOGUE IC		
IC31			NJM4565MD-ZB	ANALOGUE IC		
IC51			NJM4565MD-ZB	ANALOGUE IC		
IC91			NJM4565MD-ZB	ANALOGUE IC		
IC111			NJM4565MD-ZB	ANALOGUE IC		
IC121			NJU7311AMF-ZB	ANALOGUE IC		
IC151		*	R2S15205FP	ANALOGUE IC		
IC171			NJM4565MD-ZB	ANALOGUE IC		
IC181			NJM4565MD-ZB	ANALOGUE IC		
IC191			NJM4565MD-ZB	ANALOGUE IC		
IC401			AK4586VQP	MOS-IC		
IC501			CS493263-CLZ	MOS-IC		
IC551		*	74HC3GU04DP	MOS-IC		
IC571		*	TC7WH123FULF	MOS-IC		
IC601		*	MNT101C49KDF	MICROCONTROLLER IC		
IC721			TC74HCT7007FF	MOS-IC		
IC731			TC74HCT7007FF	MOS-IC		
IC741			TC74HCT7007FF	MOS-IC		
IC761			LC72725KV	ANALOGUE IC		
IC801			KIAT7805API-P	ANALOGUE IC		
IC805			KIAT7805API-P	ANALOGUE IC		
IC811		*	XC6206P332PRN	ANALOGUE IC		
IC815			XC62EP2502MRN	ANALOGUE IC		
IC871			XC81CNZ702MRN	ANALOGUE IC		
IC881			XC62HR4102PRN	ANALOGUE IC		
Q361			2SC4213(B)-F	TRANSISTOR		
Q371,372			2SC4213(B)-F	TRANSISTOR		
Q375,376			2SC4213(B)-F	TRANSISTOR		
Q571			DTC124EUA	DIGITAL TRANSISTOR		
Q815			2SB1375-F	TRANSISTOR		
Q821			2SA1576A(R,S)	TRANSISTOR		
Q822			2SC4081(R,S)	TRANSISTOR		
Q831			2SC2003-A(L,K)	TRANSISTOR		
Q832			2SA954-A(L,K)	TRANSISTOR		
Q833,834			2SK879-FY,GR	FET		
Q835			2SC4081(R,S)	TRANSISTOR		
Q836			2SA1576A(R,S)	TRANSISTOR		
Q861			2SA1576A(R,S)	TRANSISTOR		
Q871			2SA1576A(R,S)	TRANSISTOR		
Q872			2SC4081(R,S)	TRANSISTOR		
Q891			2SB1375-F	TRANSISTOR		
A591,592			W02-4652-05	OPTIC RECEIVING MODULE		

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Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
R818			RK73GB2A223J	CHIP R	1/10W	
R819			RK73GB2A151J	CHIP R	1/10W	
R820			RK73GB2A1R0J	CHIP R	1.0	
R821			RK73GB2A222J	CHIP R	2.2K	
R822			RK73GB2A473J	CHIP R	47K	
R823			RK73GB2A102J	CHIP R	1.0K	
R824			RK73GB2A472J	CHIP R	4.7K	
R825			RK73GB2A102J	CHIP R	1.0K	
R826			RK73GB2A103J	CHIP R	10K	
R831,832			RK73GB2A2R2J	CHIP R	2.2	
R833,834			RK73GB2A121J	CHIP R	120	
R835			RK73GB2A122J	CHIP R	1.2K	
R836			RK73GB2A682J	CHIP R	6.8K	
R837			RK73GB2A102J	CHIP R	1.0K	
R838			RK73GB2A822J	CHIP R	8.2K	
R839			RK73GB2A222J	CHIP R	2.2K	
R840			RK73GB2A2R2J	CHIP R	2.2	
R841			RK73GB2A101J	CHIP R	100	
R851			RK73GB2A222J	CHIP R	2.2K	
R852			RK73GB2A103J	CHIP R	10K	
R853			RK73GB2A101J	CHIP R	100	
R854,855			RK73GB2A103J	CHIP R	10K	
R856			RK73GB2A222J	CHIP R	2.2K	
R861			RK73GB2A222J	CHIP R	2.2K	
R862			RK73GB2A103J	CHIP R	10K	
R863			RK73GB2A101J	CHIP R	100	
R864,865			RK73GB2A103J	CHIP R	10K	
R866,867			RK73GB2A222J	CHIP R	2.2K	
R871			RK73GB2A102J	CHIP R	1.0K	
R872,873			RK73GB2A104J	CHIP R	100K	
R874			RK73GB2A102J	CHIP R	1.0K	
R875			RK73GB2A103J	CHIP R	10K	
R876			RK73GB2A102J	CHIP R	1.0K	
R877			RK73GB2A244J	CHIP R	240K	
R878			RK73GB2A104J	CHIP R	100K	
R881			RK73GB2A1R0J	CHIP R	1.0	
R882			RK73GB2A104J	CHIP R	100K	
R883			RK73GB2A474J	CHIP R	470K	
R885			RK73GB2A2R2J	CHIP R	2.2	
R886			RK73GB2A100J	CHIP R	10	
R891			RK73GB2A561J	CHIP R	560	
R892			RK73GB2A223J	CHIP R	22K	
R893			RK73GB2A1R0J	CHIP R	1.0	
R921,922			RK73GB2A000J	CHIP R	0.0	
D301			DA204U	DIODE		
D311			DA204U	DIODE		
D331			DA204U	DIODE		
D401			UDZ54.7B	ZENER DIODE		
D421,422			DA204U	DIODE		
D571			1SS355	DIODE		
D595			1SS355	DIODE		
D601			1SS355	DIODE		
D801			UDZS5.6B	ZENER DIODE		
D811			UDZS5.6B	ZENER DIODE		

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Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
CN3		*	E41-1443-05	FLAT CABLE CNNECTR, 1.25MM, 29P		
J2.3		*	E70-1032-05	LOCK TERMINAL BOARD, 4P		
J4		*	E70-1031-05	LOCK TERMINAL BOARD, 2P		
E1			J11-0898-05	WIRE CLAMPER		
L3-7		*	L39-1631-05+	PHASE COMPENSATION COIL		
R1.2			RK73GB2A222J	CHIP R 2.2K	J	1/10W
R3			RK73GB2A473J	CHIP R 47K	J	1/10W
R4			RK73GB2A1R0J	CHIP R 1.0	J	1/10W
R5.6			RK73GB2A222J	CHIP R 2.2K	J	1/10W
R11.12			RK73GB2A104J	CHIP R 100K	J	1/10W
R13.14			RK73GB2A563J	CHIP R 56K	J	1/10W
R15.16			RK73GB2A101J	CHIP R 100	J	1/10W
R17.18			RK73GB2A182J	CHIP R 1.8K	J	1/10W
R19.20			RK73GB2A102J	CHIP R 1.0K	J	1/10W
R23-26			RS14KB3DR22J	FL-PROOF RS 0.22	J	2W
R31.32			RS14KB3D391J	FL-PROOF RS 390	J	2W
R33.34			RK73GB2A222J	CHIP R 2.2K	J	1/10W
R35.36			RK73GB2A104J	CHIP R 100K	J	1/10W
R37.38			RK73GB2A563J	CHIP R 56K	J	1/10W
R39.40			RK73GB2A101J	CHIP R 100	J	1/10W
R41.42			RK73GB2A182J	CHIP R 1.8K	J	1/10W
R43.44			RK73GB2A102J	CHIP R 1.0K	J	1/10W
R47-50			RS14KB3DR22J	FL-PROOF RS 0.22	J	2W
R51.52			RD14NB2E4R7J	RD 4.7	J	1/4W
R53.54			RS14KB3D4R7J	FL-PROOF RS 4.7	J	2W
R61			RK73GB2A000J	CHIP R 0.0	J	1/10W
R69.70			RK73GB2A122J	CHIP R 1.2K	J	1/10W
R101			RK73GB2A222J	CHIP R 2.2K	J	1/10W
R102			RK73GB2A104J	CHIP R 100K	J	1/10W
R103			RK73GB2A563J	CHIP R 56K	J	1/10W
R104			RK73GB2A101J	CHIP R 100	J	1/10W
R105			RK73GB2A182J	CHIP R 1.8K	J	1/10W
R106			RK73GB2A102J	CHIP R 1.0K	J	1/10W
R108.109			RS14KB3DR22J	FL-PROOF RS 0.22	J	2W
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
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
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
R309			RK73GB2A102J	CHIP R 1.0K	J	1/10W
R310			RK73GB2A183J	CHIP R 18K	J	1/10W
R311			RK73GB2A104J	CHIP R 100K	J	1/10W
R312			RK73GB2A183J	CHIP R 18K	J	1/10W
R313			RK73GB2A104J	CHIP R 100K	J	1/10W
R314			RK73GB2A222J	CHIP R 2.2K	J	1/10W
R315			RK73GB2A152J	CHIP R 1.5K	J	1/10W

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Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
AUDIO (X09-7032-70)						
C1.2			CC73GCH1H102J	CHIP C 1000PF	J	
C3.4			CD04BJ1H2R2M	ELECTRO 2.2UF	50WV	
C5.6			CC73GCH1H471J	CHIP C 470PF	J	
C7.8			CC73GCH1H391J	CHIP C 390PF	J	
C9.10			CD04BJ1V330M	ELECTRO 33UF	35WV	
C11.12			CC73GCH1H270J	CHIP C 27PF	J	
C17-20			CC73GB1H223K	CHIP C 0.022UF	K	
C25.26			CD04BJ1H2R2M	ELECTRO 2.2UF	50WV	
C27.28			CC73GCH1H471J	CHIP C 470PF	J	
C29.30			CC73GCH1H391J	CHIP C 390PF	J	
C31.32			CD04BJ1V330M	ELECTRO 33UF	35WV	
C33.34			CC73GCH1H270J	CHIP C 27PF	J	
C35-38			C91-1577-05	MP-C 0.022UF	J	
C39-42			CK73GB1H223K	CHIP C 0.022UF	K	
C44			CK73GB1H223K	CHIP C 0.022UF	K	
C46			CK73GB1H223K	CHIP C 0.022UF	K	
C47-51			CD04BJ1H100M	ELECTRO 10UF	50WV	
C101			CD04BJ1H2R2M	ELECTRO 2.2UF	50WV	
C102			CC73GCH1H471J	CHIP C 470PF	J	
C103			CC73GCH1H391J	CHIP C 390PF	J	
C104			CD04BJ1V330M	ELECTRO 33UF	35WV	
C105			CC73GCH1H270J	CHIP C 27PF	J	
C106.107			C91-1577-05	MP-C 0.022UF	J	
C243-246			C91-1577-05	MP-C 0.022UF	J	
C301			CD04AU1H2R2M	NP-ELEC 2.2UF	50WV	
C302			CD04BJ1E470M	ELECTRO 47UF	25WV	
C303			CD04BJ1H100M	ELECTRO 10UF	50WV	
C304			CD04BJ1H010M	ELECTRO 1.0UF	50WV	
C305			CD04BJ1V330M	ELECTRO 33UF	35WV	
C306			CD04BJ1A101M	ELECTRO 100UF	10WV	
C307			CD04BJ1H010M	ELECTRO 1.0UF	50WV	
C308			CD04BJ1H100M	ELECTRO 10UF	50WV	
C309			CD04BJ1E470M	ELECTRO 47UF	25WV	
C311.315			CK73GB1H472K	CHIP C 4700PF	K	
C501.502			C91-1567-05	FILM 0.1UF	J	
C503.504			C90-5775-05	ELECTRO 4700UF	75WV	
C505.506			CQ93FMG1H104J	MYLAR 0.10UF	J	
C507			CD04BJ1E222M1	ELECTRO 2200UF	25WV	
C508			CD04BJ1E471M1	ELECTRO 470UF	25WV	
C509.510			CK73GB1H104K	CHIP C 0.10UF	K	
C511			CD04BJ1E101M	ELECTRO 100UF	25WV	
C512			CD04BJ1E470M	ELECTRO 47UF	25WV	
C513			CD04BJ1A71M1	ELECTRO 470UF	63WV	
C514			CD04BJ1J330M	ELECTRO 33UF	63WV	
C515			CD04BJ1J470M	ELECTRO 47UF	63WV	
C516			CK45FF1H103Z	CERAMIC 0.010UF	Z	
C517			CD04BJ1C472M1	ELECTRO 4700UF	16WV	
C518			CD04BJ1H100M	ELECTRO 10UF	50WV	
C519			CD04BJ1H470M	ELECTRO 47UF	50WV	
C520			CK73GB1H223K	CHIP C 0.022UF	K	
C522.523			CD04BJ2A100M	ELECTRO 10UF	100WV	
C524.525			CD04BJ1J330M	ELECTRO 33UF	63WV	
C526.527			CK73GB1H104K	CHIP C 0.10UF	K	

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D306			1SS133	DIODE		
D307			DAP202U	DIODE		
D308			1SS133	DIODE		
D309,310			DAN202U	DIODE		
D311,312			1SS133	DIODE		
D314,315			DAN202U	DIODE		
D316,317			1SS133	DIODE		
D319,320			1SS133	DIODE		
D322			1SS355	DIODE		
D501			T56P03G-B	DIODE		
D502-507			S5688B(TPB5)Q	DIODE		
D508			MTZJ16(B)	ZENER DIODE		
D509			MTZJ15(B)	ZENER DIODE		
D510			TS4B03G-B1	DIODE		
D511			1SS355	DIODE		
D512			UDZS11B	ZENER DIODE		
D513			UDZS6.2B	ZENER DIODE		
D514			1SS133	DIODE		
D515			S5688B(TPB5)Q	DIODE		
D516,517			UDZS15B	ZENER DIODE		
D518,519			UDZS7.5B	ZENER DIODE		
D520			UDZS16B	ZENER DIODE		
D521		*	UDZS30B	ZENER DIODE		
D522		*	MTZJ3.9(B)	ZENER DIODE		
D523			1SS355	DIODE		
D524			UDZS5.6B	ZENER DIODE		
D525			UDZS5.1B	ZENER DIODE		
IC1		*	STK433-330-E	HYBRID IC;19P,3CH AF PWR-AMP		
IC2		*	STK433-130-E	HYBRID IC;15P,2CH AF PWR-AMP		
IC3			KIA7812API-UP	ANALOGUE IC		
IC4			KIA7912API-UP	ANALOGUE IC		
Q1,2			DTC6643TU	DIGITAL TRANSISTOR		
Q5-8			DTC6643TU	DIGITAL TRANSISTOR		
Q101			DTC6643TU	DIGITAL TRANSISTOR		
Q301,302			2SA1576A(R,S)	TRANSISTOR		
Q303,304			2SC4081(R,S)	TRANSISTOR		
Q305			2SA1576A(R,S)	TRANSISTOR		
Q306,307			2SC4081(R,S)	TRANSISTOR		
Q308			2SA1576A(R,S)	TRANSISTOR		
Q309-313			2SC1845-A(FE)	TRANSISTOR		
Q314,315			DTC113ZUA	DIGITAL TRANSISTOR		
Q317,318			DTC113ZUA	DIGITAL TRANSISTOR		
Q501			2SB1640-Q	TRANSISTOR		
Q502			2SC4081(R,S)	TRANSISTOR		
Q503			2SA1576A(R,S)	TRANSISTOR		
Q504			2SB1640-Q	TRANSISTOR		
Q505			2SA1576A(R,S)	TRANSISTOR		
Q506			2SD2525-Q	TRANSISTOR		
Q507			2SB1640-Q	TRANSISTOR		
Q508			2SK879-FY,GR	FET		
Q510			2SC4081(R,S)	TRANSISTOR		
TH1			NCP-18WB473J0S	THERMISTOR		
TH3			NCP-18WB473J0S	THERMISTOR		

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Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
R320			RK73GB2A152J	CHIP R	1/10W	
R321			RK73GB2A102J	CHIP R	1/10W	
R322			RK73GB2A473J	CHIP R	1/10W	
R323			RK73GB2A102J	CHIP R	1/10W	
R324			RK73GB2A473J	CHIP R	1/10W	
R325			RK73GB2A333J	CHIP R	1/10W	
R326			RK73GB2A221J	CHIP R	1/10W	
R327			RK73GB2A103J	CHIP R	1/10W	
R328			RK73GB2A102J	CHIP R	1/10W	
R329,330			RK73GB2A473J	CHIP R	1/10W	
R331			RK73GB2A332J	CHIP R	1/10W	
R333			RK73GB2A473J	CHIP R	1/10W	
R335,336			RK73GB2A473J	CHIP R	1/10W	
R340,341			RK73GB2A473J	CHIP R	1/10W	
R344			RK73GB2A473J	CHIP R	1/10W	
R345			RK73GB2A333J	CHIP R	1/10W	
R346			RK73GB2A473J	CHIP R	1/10W	
R347			RK73GB2A362J	CHIP R	1/10W	
R349-351			RK73GB2A471J	CHIP R	1/10W	
R352-354			RK73GB2A912J	CHIP R	1/10W	
R355-357			RK73GB2A303J	CHIP R	1/10W	
R358,359			RK73GB2A471J	CHIP R	1/10W	
R360,361			RK73GB2A912J	CHIP R	1/10W	
R362,363			RK73GB2A303J	CHIP R	1/10W	
R364			RK73GB2A102J	CHIP R	1/10W	
R367			RK73GB2A102J	CHIP R	1/10W	
R371,372			RK73GB2A102J	CHIP R	1/10W	
R501			RD14NB2E1R0J	RD	1/4W	
R503			RK73GB2A471J	CHIP R	1/10W	
R504			RK73GB2A4R7J	CHIP R	1/10W	
R505,506			RK73GB2A473J	CHIP R	1/10W	
R508			RD14NB2E222J	RD	1/4W	
R510			RS14KB3D470J	FL-PROOF RS	2W	
R512			RK73GB2A473J	CHIP R	1/10W	
R513			RK73GB2A2R2J	CHIP R	1/10W	
R514,515			RK73GB2A1R0J	CHIP R	1/10W	
R517			RD14NB2E822J	RD	1/4W	
R518			RS14KB3D102J	FL-PROOF RS	2W	
R519,520			RS14KB3D332J	FL-PROOF RS	2W	
R522			RD14NB2E182J	RD	1/4W	
R523			RS14KB3D331J	FL-PROOF RS	2W	
R524			RK73GB2A561J	CHIP R	1/10W	
R526			RK73GB2A473J	CHIP R	1/10W	
R527,528			RD14NB2E1R0J	RD	1/4W	
R529-533			RK73GB2A1R0J	CHIP R	1/10W	
R702,703			RK73GB2A000J	CHIP R	1/10W	
R802			RK73GB2A000J	CHIP R	1/10W	
R804			RK73GB2A000J	CHIP R	1/10W	
K1,2			S76-0097-05	MAGNETIC RELAY		
K4,5			S76-0097-05	MAGNETIC RELAY		
D3-7			1SS133	DIODE		
D301,302			UDZS3.3B	ZENER DIODE		
D304			DAN202U	DIODE		
D305			UDZS3.3B	ZENER DIODE		

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Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
C717,718			CK73GB1H103K	CHIP C		X
C719,720			CD04BJ1H010M	ELECTRO		X
C721,722			CK73GB1H103K	CHIP C		X
C723,724			CD04BJ1H010M	ELECTRO		X
C725,726			CK73GB1H103K	CHIP C		X
C727			CD04BJ1H010M	ELECTRO		X
C728-734			CK73GCH1H100D	10UF		X
C735			CK73GCH1H820J	10PF		X
C736			CK73GCH1H100D	82PF		X
C737			CK73GCH1H820J	10PF		X
C738			CK73GCH1H100D	82PF		X
C739			CK73GCH1H820J	470PF		X
C901,902			CK73GCH1H471J	470PF		X
CN101	*		E41-1470-05	FLAT CABLE CNNECTR, 1,25MM, 27P		
J302			E63-1398-05	PIN JACK, 3P, BLK/BLK/BLK		
J601			E63-1371-05	PIN JACK, 2P2L, YEL, NI, LF		
J602			E63-1368-05	PIN JACK, 3P, YEL, NI, LF		
J701,702	*		E63-1414-05	PIN JACK, VERTICAL 3P * 2		X
J901			E11-0271-05	PHONE JACK (METAL SLEEVE)		
F201	Δ		F50-0332-05	FUSE, T3.15A, L 250V		
CN203,204			J13-0075-05	FUSE CLIP, 5X20		
E2			J11-0898-05	WIRE CLAMPER		
T201	Δ		L07-2980-05	POWER TRANSFORMER, 220V, 7V/10MA		
X101			L78-0747-05	RESONATOR (4MHZ)		
R102,103	Δ		RD14BB2C221J	RD		
R106	Δ		RK73GB2A100J	CHIP R		1/6W
R107	Δ		RK73GB2A101J	CHIP R		1/10W
R111			RK73GB2A104J	CHIP R		1/10W
R112	Δ		RK73GB2A2R2J	CHIP R		1/10W
R113-119			RK73GB2A104J	CHIP R		1/10W
R124			RK73GB2A473J	CHIP R		1/10W
R129			RK73GB2A473J	CHIP R		1/10W
R132			RK73GB2A473J	CHIP R		1/10W
R136			RK73GB2A473J	CHIP R		1/10W
R139			RK73GB2A473J	CHIP R		1/10W
R141	Δ		RK73GB2A2R2J	CHIP R		1/10W
R143-145			RK73GB2A101J	CHIP R		1/10W
R149			RK73GB2A104J	CHIP R		1/10W
R153,154			RK73GB2A100J	CHIP R		1/10W
R161			RK73GB2A102J	CHIP R		1/10W
R201	Δ		RD14NB2E1R0J	RD		1/4W
R202	Δ		RD14NB2E330J	RD		1/4W
R211	Δ		RK73GB2A2R2J	CHIP R		1/10W
R301-303			RK73GB2A101J	CHIP R		1/10W
R305,306			RK73GB2A104J	CHIP R		1/10W
R307			RK73GB2A750J	CHIP R		1/10W
R321,322			RK73GB2A104J	CHIP R		1/10W
R323-326			RK73GB2A100J	CHIP R		1/10W
R402			RK73GB2A332J	CHIP R		3.3K
R403	Δ		RK73GB2A223J	CHIP R		22K
R407	Δ		RS14KB3D821J	FL-PROOF RS		820
R413	Δ		RS14KB3D821J	FL-PROOF RS		820

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Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
D102-104			DISPLAY (X14-805x-xx)			
D106			B30-2597-05	LED (LED RED (HIGH))		
D108			B30-2597-05	LED (LED RED (HIGH))		
D109			B30-2684-05	LED (LED BLUE (3PHI))		
C101			CC73GCH1H101J	CHIP C		J
C102			CK73GB1H103K	100PF		K
C103			CD04BJ1A101M	0.010UF		10WV
C104,105			CD04BJ1H2R2M	100UF		50WV
C106			CD04AU1H2Z0M	2.2UF		50WV
C107,108			CK73GB1H103K	NP-ELEC		
C109			CK73GCH1H102J	CHIP C		K
C110,111			CK73GB1H103K	1000PF		J
C112			CD04BJ1J330M	0.010UF		63WV
C113,114			CC73GCH1H101J	33UF		
C115			CC73GCH1H101J	100PF		J
C116-118			CD04BJ1H470M	47UF		50WV
C119			CK73GCH1H101J	CHIP C		J
C120			CD04BJ1A101M	100PF		10WV
C121,122			CC73GCH1H101J	100UF		J
C123,124			CC73GCH1H100D	10PF		D
C131,132			CD04BJ1H2R2M	2.2UF		50WV
C201			CK73GB1H103K	CHIP C		K
C202			CD04BJ1C32M1	3300UF		16WV
C203			CK73GB1H103K	0.010UF		K
C204			C91-1643-05	MF-C		
C301-303			CC73GCH1H101J	CHIP C		J
C305,306			CC73GCH1H102J	CHIP C		J
C307			CC73GCH1H101J	1000PF		J
C311,312			CK73GB1H103K	100PF		K
C321,322			CK73GB1A105K	CHIP C		K
C323,324			CC73GCH1H220J	22PF		J
C325,326			CK73GB1H104K	CHIP C		K
C401,402			CK73GB1H104K	0.10UF		K
C403			CD04BJ1E470M	47UF		25WV
C406,407			CK73GB1H104K	CHIP C		K
C408			CD04BJ1E470M	47UF		25WV
C640			CD04BJ1E470M	47UF		25WV
C641			CK73GB1H472K	CHIP C		K
C642			CK73GB1H103K	0.010UF		K
C643			CK73GB1H472K	CHIP C		K
C644			CK73GB1H103K	CHIP C		K
C645-647			CD04BJ1E470M	0.010UF		25WV
C648,649			CC73GCH1H101J	47UF		J
C650-652			CC73GCH1H470J	47PF		J
C701-703			CK73GB1H104K	CHIP C		X
C704			CD04BJ1H010M	0.10UF		X
C705,706			CK73GB1H103K	ELECTRO		X
C707			CD04BJ1A471M	CHIP C		X
C708			CD04BJ1H010M	470UF		X
C709,710			CK73GB1H103K	1.0UF		X
C711			CD04BJ1A471M	0.010UF		X
C712			CD04BJ1H010M	470UF		X
C713,714			CK73GB1H103K	1.0UF		X
C715			CD04BJ1A471M	470UF		X
C716			CD04BJ1H010M	1.0UF		X

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KRF-V5200D

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Δ R421,422			RK73GB2A2R2J	CHIP R		
R423			RK73GB2A472J	2.2	J	1/10W
R425,426			RK73GB2A472J	4.7K	J	1/10W
R451			RK73GB2A000J	4.7K	J	1/10W
Δ R611,612			RK73GB2A2R2J	0.0	J	1/10W
				2.2	J	1/10W
R619			RK73GB2A102J	1.0K	J	1/10W
R620-622			RK73GB2A101J	100	J	1/10W
R623,624			RK73GB2A750J	75	J	1/10W
R625,626			RK73GB2A104J	100K	J	1/10W
R627-629			RK73GB2A750J	75	J	1/10W
R651-653			RK73GB2A102J	1.0K	J	1/10W
R655			RK73GB2A000J	0.0	J	1/10W
R701-703			RK73GB2A102J	1.0K	J	1/10W
R704-713			RK73GB2A750J	75	J	1/10W
R714			RK73GB2A104J	100K	J	1/10W
R715			RK73GB2A750J	75	J	1/10W
R716			RK73GB2A104J	100K	J	1/10W
R717			RK73GB2A750J	75	J	1/10W
R718			RK73GB2A104J	100K	J	1/10W
Δ R721,722			RK73GB2A2R2J	2.2	J	1/10W
Δ K201			S76-0131-15	MAGNETIC RELAY		
S103-109			S70-0086-05	TACT SWITCH		X
S111,112			S70-0086-05	TACT SWITCH		X
S302			S70-0086-05	TACT SWITCH		X
S101,102			T99-0666-05	ROTARY ENCODER, 12CLICK		X
S301			T99-0664-05	ROTARY ENCODER, VOLUME		X
D101			MTZJ6.2(B)	ZENER DIODE		
D105			1SS133	DIODE		
D107			1SS133	DIODE		
D109			1SS133	DIODE		
Δ D201,202			1SS133	DIODE		
Δ D204-208			1SS133	DIODE		
D301-304			1SS133	DIODE		
D401			MTZJ3.3(B)	ZENER DIODE		
ED101			11-MT-143GNK	FLUORESCENT INDICATOR TUBE		
IC101			MN12510F	MOS-IC		
IC321			BA4560RF	ANALOGUE IC		
Δ IC401			KIAT7805API-P	ANALOGUE IC		
Δ IC402			KIAT7905PI-P	ANALOGUE IC		
IC602			NUM2595M-ZB	ANALOGUE IC		
IC701			NUM2586AM-ZB	ANALOGUE IC		
Q101-106			2SC1740S(Q, R)	TRANSISTOR		
Q111			DTC124EUA	DIGITAL TRANSISTOR		
Q112-114			DTA143TUA	DIGITAL TRANSISTOR		
Q201			2SC1740S(Q, R)	TRANSISTOR		
Q401			2SA1576A(R, S)	TRANSISTOR		
Q402			DTC124EUA	DIGITAL TRANSISTOR		
Δ Q403,404			2SA1576A(R, S)	TRANSISTOR		
Δ Q405			2SC4081(R, S)	TRANSISTOR		
A101			W02-4600-05	ELECTRIC CIRCUIT MODULE, 38KHZ		

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HOW TO READ THE PARTS LIST

ABBREVIATION OF MODEL AND MASS PRODUCTION'S DESTINATIONS

MODEL	ABB.	Australia	Europe
		X	E
KRF-V5200D	B	X1	E
KRF-V5200D-S	S	X2	E1

SPECIFICATIONS

AUDIO section

Rated output power during STEREO operation (63 Hz – 12.5 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)	120 W + 120 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).....	120 W + 120 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).....	120 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).....	120 W + 120 W
Total harmonic distortion	0.05 % (1 kHz, 50 W, 6 Ω)
Frequency response (IHF'66)	
CD/DVD	20 Hz – 70 kHz, +0 dB – -3.0 dB
Signal to noise ratio (IHF'66)	
CD/DVD	100 dB
Input sensitivity / impedance	
CD/DVD, AUX, MD/TAPE, VIDEO 1, VIDEO 2.....	550 mV / 40 kΩ
AV AUX	550 mV / 50 kΩ
DVD/6CH INPUT.....	550 mV / 27 kΩ
Output level / impedance	
REC OUT (MD/TAPE, VIDEO 1).....	550 mV / 470 Ω
PRE OUT (SUBWOOFER)	1.5 V / 1.5 kΩ
Tone control	
BASS	±10 dB (at 100 Hz)
TREBLE	±10 dB (at 10 kHz)

DIGITAL AUDIO section

Sampling frequency.....	32 kHz, 44.1 kHz, 48 kHz, 96 kHz
Input level / wave length	
Optical.....	-15 dBm – -21 dBm / 660 nm ±30 nm
Input level / impedance	
Coaxial	0.5 Vp-p / 75 Ω

VIDEO section

VIDEO inputs / impedance	
VIDEO (composite)	1 Vp-p / 75 Ω
VIDEO outputs / impedance	
VIDEO (composite)	1 Vp-p / 75 Ω
COMPONENT VIDEO inputs/ impedance (For Australia)	
COMPONENT VIDEO (Y-signal).....	1 Vp-p / 75 Ω
COMPONENT VIDEO (CB/ CR-signal)	0.7 Vp-p / 75 Ω
COMPONENT VIDEO outputs/ impedance (For Australia)	
COMPONENT VIDEO (Y-signal).....	1 Vp-p / 75 Ω
COMPONENT VIDEO (CB/ CR-signal)	0.7 Vp-p / 75 Ω

FM tuner section

Tuning frequency range	87.5 MHz – 108.0 MHz
Usable sensitivity (DIN at 75 Ω)	
MONO.....	1.3 μV / 13.2 dBf (40 kHz DEV., S/N 26 dB)
STEREO	45 μV / 42.1 dBf (46 kHz DEV., S/N 46 dB)
Total harmonic distortion (DIN at 1 kHz)	
MONO.....	0.2% (71.2 dBf input)
STEREO	0.8% (71.2 dBf input)
Signal to noise ratio (DIN weighted at 1 kHz)	
MONO.....	65 dB (40 kHz DEV., 71.2 dBf input)
STEREO	60 dB (46 kHz DEV., 71.2 dBf input)
Stereo separation (DIN 1 kHz)	36 dB
Selectivity (DIN ±300 kHz)	64 dB
Frequency response (30 Hz – 15 kHz)	+0.5 dB, -3.0 dB

AM tuner section

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

General

Power consumption	250 W
Standby power consumption	less than 0.6 W
Dimensions.....	W: 440 mm (17-5/16")
.....	H: 159 mm (6-1/4")
.....	D: 343 mm (13-1/2")
Weight (net)	8.1 kg (17.9 lb)

Notes:

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

KRF-V5200D

