

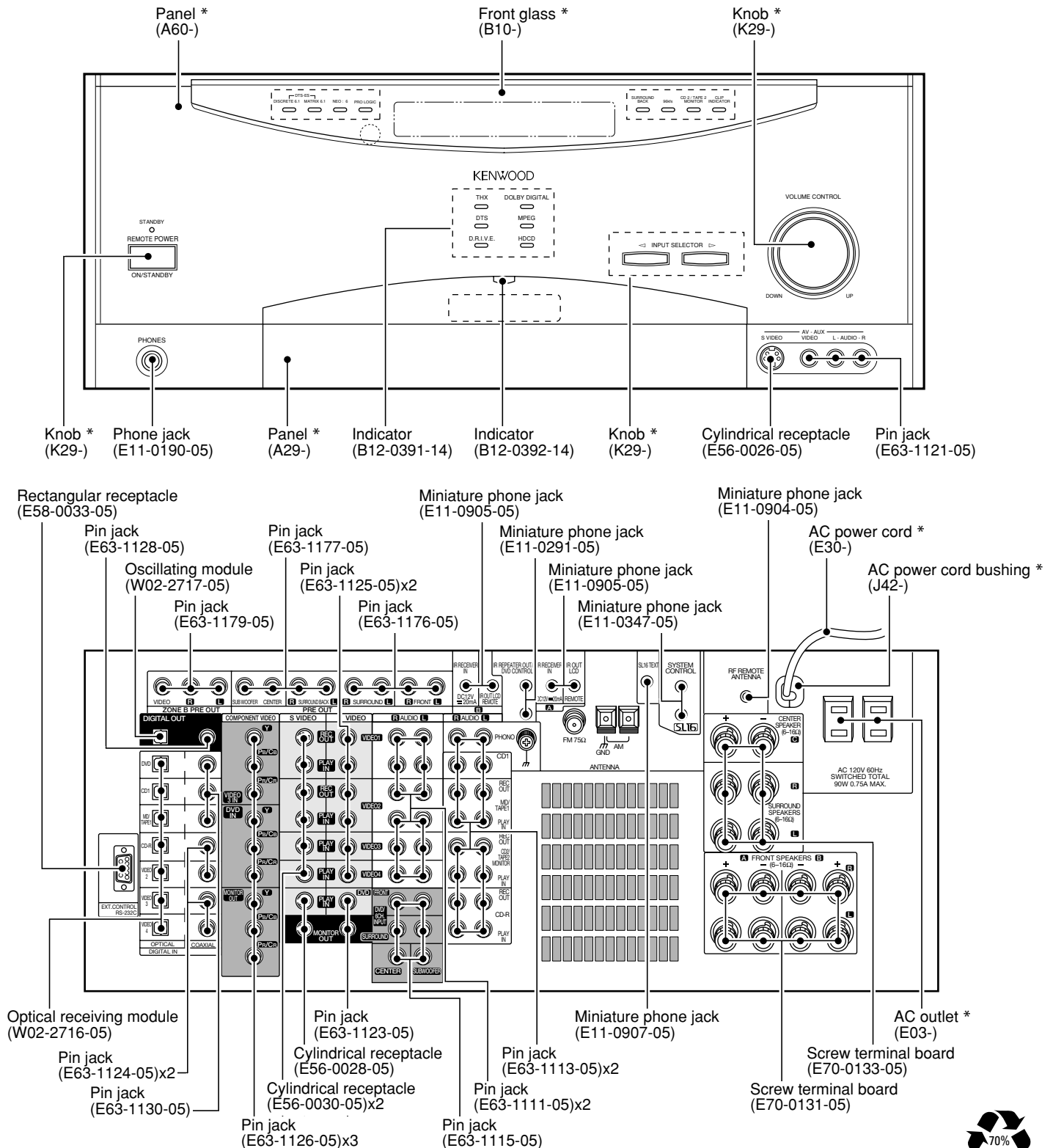
KRF-X9995D/X9995D-S

VR-5700/5900

SERVICE MANUAL

KENWOOD

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Illust is VR-5700.

* Refer to parts list on page 62.



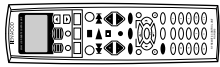
CONTENTS / ACCESSORIES

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Accessories

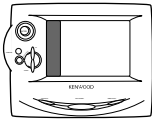
Remote control unit
(A70-1453-05): RC-R0913



Battery cover(A09-1166-08)

Remote control unit (PowerTouch)

(A70-1456-05): RC-R1111
(A70-1457-05): RC-R1012
(A70-1458-05): RC-R1013

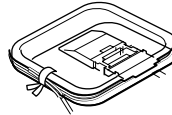


Battery cover(A09-1177-08)
Pen(W01-0976-08)

Batteries



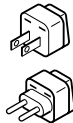
AM Loop Antenna
(T90-0852-05)



FM Antenna
(T90-0855-05)



AC plug adaptor *..... (1)



Use to adapt the plug on the power cord to the shape of the wall outlet.
(Accessory only for regions where use is necessary.)

* Refer to parts list.

Antenna ass'y
(T90-0850-05)
U.S.A. only



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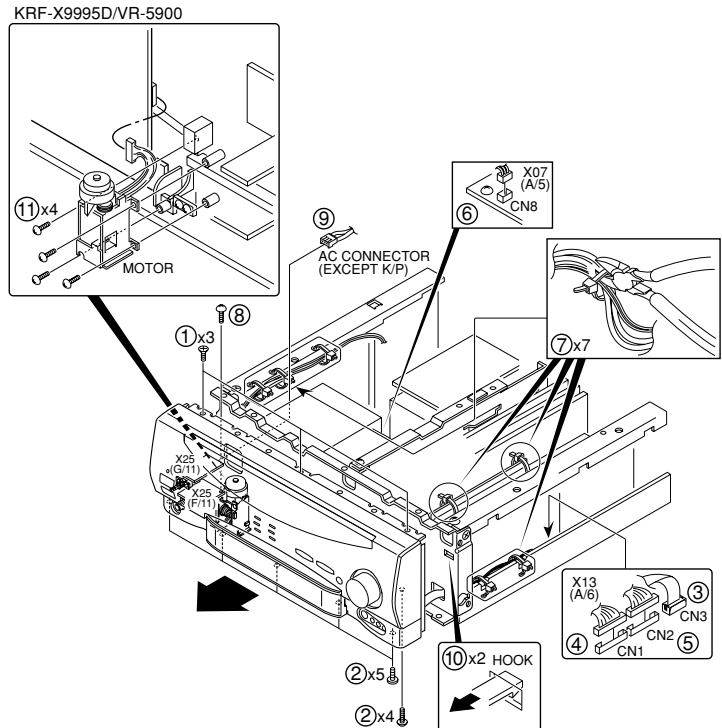
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DISASSEMBLY FOR REPAIR

How to Remove the Front Panel and the Motor Assy

1. How to Remove the Front Panel

1. Remove the screws (①X3) on top of the panel.
2. Remove the screws (②X9) located at the bottom of the panel.
3. Disconnect the cable (③) and connectors (④,⑤) on the X13 A/6.
4. Disconnect the connector (⑥) on the X07 A/5.
5. Cut the tie band (⑦X7) as shown in the figure.
6. Remove the screw (⑧X1) on the X25 F/11.
7. Disconnect the connector (⑨) on the X25 G/11.(Except K/P type)
8. Remove the hooks (⑩X2) on the sub panel.
9. Remove the front panel in the direction of arrow.

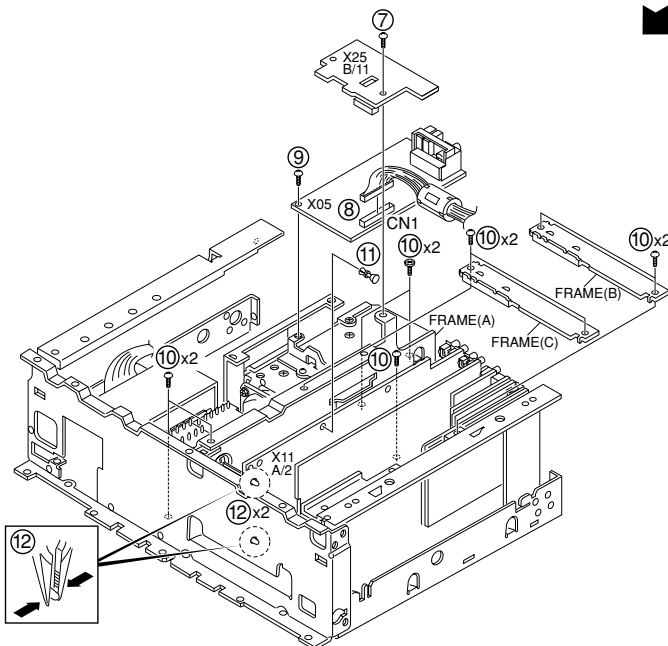
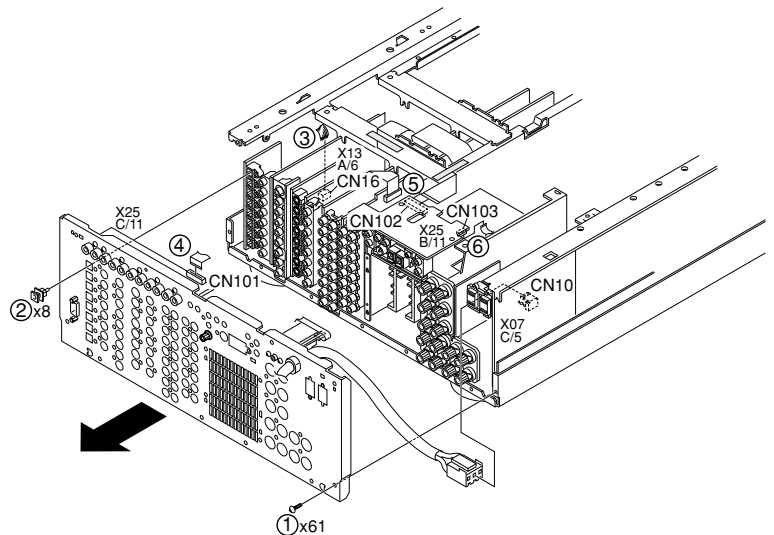


2. How to Remove the Motor Assy

1. The motor assy can be separated by removing screws (⑪X4).

Disassembling the Rear Panel and How to Replace the Power Transistor

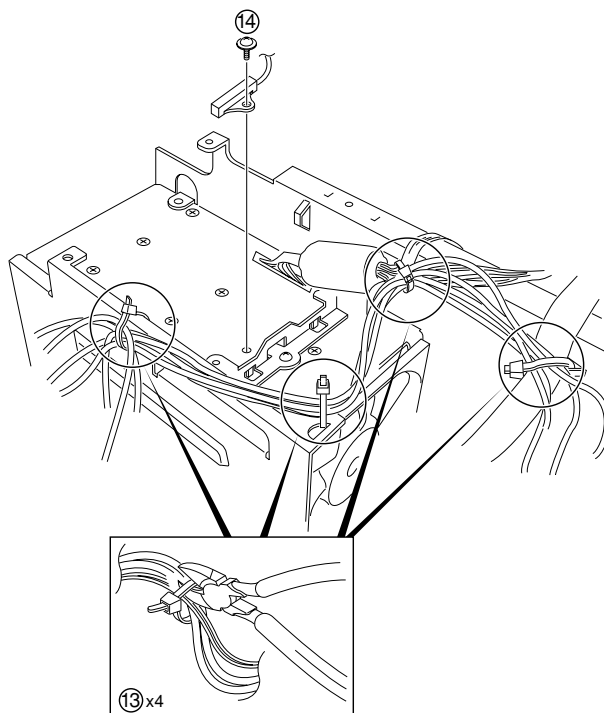
1. Disconnect the CN10 on the X07 C/5.
2. Remove all of screws (①X61) and digital caps (②X8) on the rear panel.
(The number of screws and caps are vary according to the models).
3. Disconnect the cable CN16 (③) on the X13 A/6.
4. Disconnect the flexible cables CN101(④) on the X25 C/11, CN102 (⑤) and * CN103 (⑥)on the X25 B/11.
* (K/P type only).
5. Remove the rear panel in the direction of arrow.
6. Remove the screw (⑦), then remove the X25 B/11.



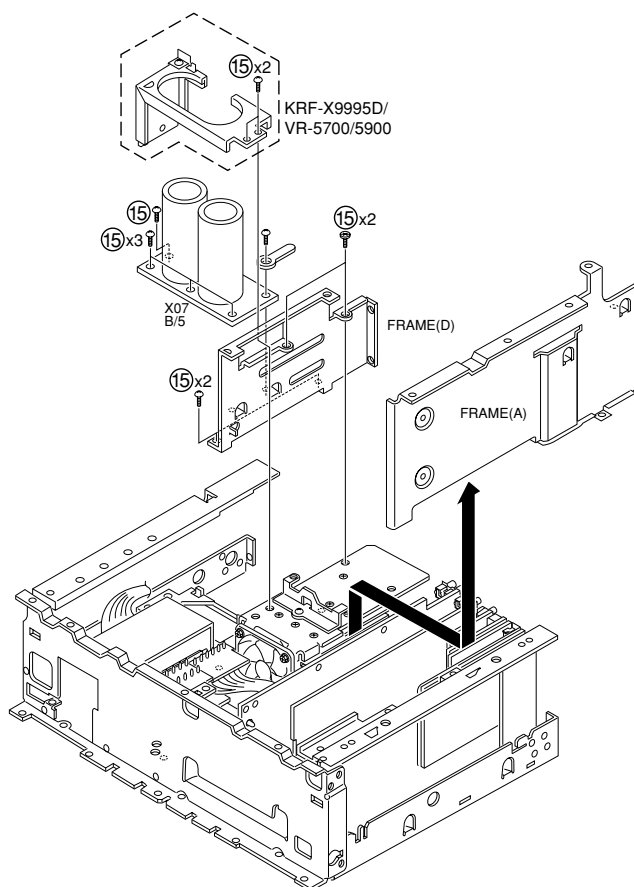
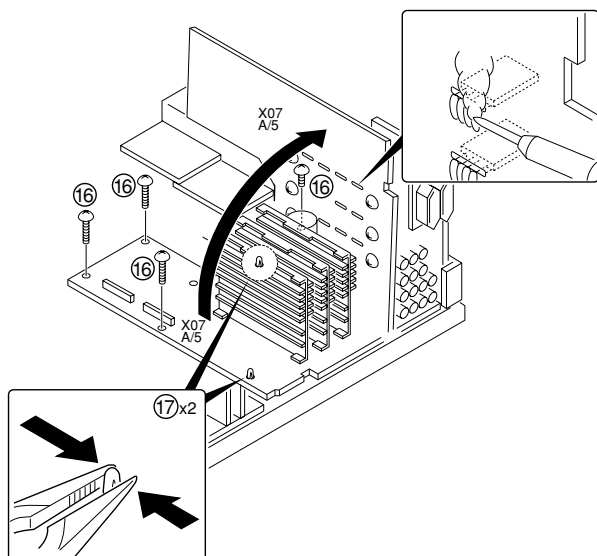
7. To remove the tuner unit, disconnect the CN1 (⑧) and remove a screw (⑨).
8. Remove the screws (⑩X9) on the frames (A/B/C), push rivet (⑪) and PC support (⑫x2)on the X11 A/2.

DISASSEMBLY FOR REPAIR

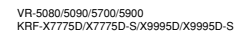
9. To remove the frame A rearward, cut the tie bands (13X4) on the frames.
10. Remove a screw (14), then remove a thermostat.



11. Remove the screws (15X10), then remove a frame (D), a cover and X07 B/5.
12. To remove a power amplifier unit (X07 A/5), remove the screws (16x4), and a PC support (17x2).
13. Set up the X07 A/5 in the direction of arrow as shown in the figure.
14. Replace the defective transistor.



KRF-X9995D/X9995D-S/VR-5700/5900



CIRCUIT DESCRIPTION

1. Initialization

1-1 The Initial Setting

- Insert the power cord to AC wall outlet by pressing the "ON/STANDBY" key.

2. Destination List of Tuner

0 : Pull down, 1: Pull up

SET TYPE	TYPE	BAND	RECEIVING FREQUENCY RANGE	CHANNEL SPACE	IF	PLL
K, P, R	K1 1700	FM	87.5MHz-108.0MHz	100kHz	+10.7MHz	25kHz
		AM	530kHz-1700kHz	10kHz	+450kHz	10kHz
Y, M, I, C, V	K2 1610	FM	87.5MHz-108.0MHz	100kHz	+10.7MHz	25kHz
		AM	530kHz-1610kHz	10kHz	+450kHz	10kHz
K, P	K4 1700 RBDS	FM	87.5MHz-108.0MHz	100kHz	+10.7MHz	25kHz
		AM	530kHz-1700kHz	10kHz	+450kHz	10kHz
Y, M, I, C, V, E, X, H	E1	FM	87.5MHz-108.0MHz	50kHz	+10.7MHz	25kHz
		AM	531kHz-1602kHz	9kHz	+450kHz	9kHz
E, T	E3 RDS	FM	87.5MHz-108.0MHz	50kHz	+10.7MHz	25kHz
		AM	531kHz-1602kHz	9kHz	+450kHz	9kHz

3. Conditions according to the models or destination

3-1 Distinction of Destination

: u-com (X13,IC3) Port 54

Type	Voltage : Max 5.0V
K2	0~0.52
K1	1.61~2.49
K4(RBDS)	2.51~3.39
E3(RDS)	3.41~4.45
E1	4.47~5.00

3-2 Distinction of Models : u-com (X13,IC3) Port 53

Models	*	Voltage : Max 5.0V
VR-5080	NO	0~0.37
VR-5090	YES	0.39~1.10
VR-5700	YES	1.12~1.84
VR-5900-S	YES	1.86~2.49
KRF-X9995D/D-S	YES	2.51~3.14
KRF-X7775D/D-S	YES	3.16~3.88
KRF-X9995D-S (M/X TYPE)	NO	3.90~4.61
KRF-X7775D-S (M/X/V TYPE)	NO	4.63~5.00

* Switching of RF or Front IR and Rear IR Receiver Terminal.

4. Tuner Preset Memory

P.ch	K1	K2	K4	E1	E3	P.ch	K1	K2	K4	E1	E3
1	FM 98.3M	FM 98.3M	FM 98.3M	FM 98.3M	FM 98.3M	21	AM 530K	AM 530K	AM 530K	AM 531K	AM 531K
2	FM 87.5M	FM 87.5M	FM 87.5M	FM 87.5M	FM 87.5M	22	FM 87.5M	FM 87.5M	FM 87.5M	FM 87.5M	FM 87.5M
3	FM 89.1M	FM 89.1M	FM 89.1M	FM 89.1M	FM 89.1M	23	FM 87.5M	FM 87.5M	FM 87.5M	FM 87.5M	FM 87.5M
4	FM 108.0M	FM 108.0M	FM 108.0M	FM 108.0M	FM 108.0M	24	FM 87.5M	FM 87.5M	FM 87.5M	FM 87.5M	FM 87.5M
5	FM 90.0M	FM 90.0M	FM 90.0M	FM 90.0M	FM 90.0M	25	FM 87.5M	FM 87.5M	FM 87.5M	FM 87.5M	FM 87.5M
6	FM 87.5M	FM 87.5M	FM 87.5M	FM 87.5M	FM 87.5M	26	FM 87.5M	FM 87.5M	FM 87.5M	FM 87.5M	FM 87.5M
7	FM 87.5M	FM 87.5M	FM 87.5M	FM 87.5M	FM 87.5M	27	FM 87.5M	FM 87.5M	FM 87.5M	FM 87.5M	FM 87.5M
8	AM 1610K	FM 87.5M	AM 1610K	FM 87.5M	FM 87.5M	28	FM 87.5M	FM 87.5M	FM 87.5M	FM 87.5M	FM 87.5M
9	AM 1700K	AM 1610K	AM 1700K	AM 1602K	AM 1602K	29	FM 87.5M	FM 87.5M	FM 87.5M	FM 87.5M	FM 87.5M
10	AM 1000K	AM 1000K	AM 1000K	AM 999K	AM 999K	30	FM 106.0M	FM 106.0M	FM 106.0M	FM 106.0M	FM 106.0M
11	AM 630K	AM 630K	AM 630K	AM 630K	AM 630K	31	FM 87.5M	FM 87.5M	FM 87.5M	FM 87.5M	FM 87.5M
12	AM 1440K	AM 1440K	AM 1440K	AM 1440K	AM 1440K	32	FM 87.5M	FM 87.5M	FM 87.5M	FM 87.5M	FM 87.5M
13	FM 106.0M	FM 106.0M	FM 106.0M	FM 106.0M	FM 106.0M	33	FM 87.5M	FM 87.5M	FM 87.5M	FM 87.5M	FM 87.5M
14	AM 530K	AM 530K	AM 530K	AM 531K	AM 531K	34	FM 87.5M	FM 87.5M	FM 87.5M	FM 87.5M	FM 87.5M
15	FM 87.5M	FM 87.5M	FM 87.5M	FM 87.5M	FM 87.5M	35	FM 87.5M	FM 87.5M	FM 87.5M	FM 87.5M	FM 87.5M
16	FM 98.0M	FM 98.0M	FM 98.0M	FM 98.0M	FM 98.0M	36	FM 87.5M	FM 87.5M	FM 87.5M	FM 87.5M	FM 87.5M
17	FM 98.5M	FM 98.5M	FM 98.5M	FM 98.5M	FM 98.5M	37	FM 87.5M	FM 87.5M	FM 87.5M	FM 87.5M	FM 87.5M
18	FM 87.5M	FM 87.5M	FM 87.5M	FM 87.5M	FM 87.5M	38	FM 87.5M	FM 87.5M	FM 87.5M	FM 87.5M	FM 87.5M
19	AM 990K	AM 990K	AM 990K	AM 990K	AM 990K	39	FM 108.0M	FM 108.0M	FM 108.0M	FM 108.0M	FM 108.0M
20	FM 97.4M	FM 97.4M	FM 97.4M	FM 97.7M	FM 97.7M	40	AM 1000K	AM 1000K	AM 1000K	AM 945K	AM 945K

CIRCUIT DESCRIPTION

5. Test Mode

5-1 Setting Method of the Test Mode

- Turn on the power supply while pressing the "INPUT SELECTOR DOWN" key, to make a set in test mode.

5-2 Canceling the Test Mode

- The system is initialized and the test mode is cancelled if unplug the AC power cord from an AC power wall outlet.

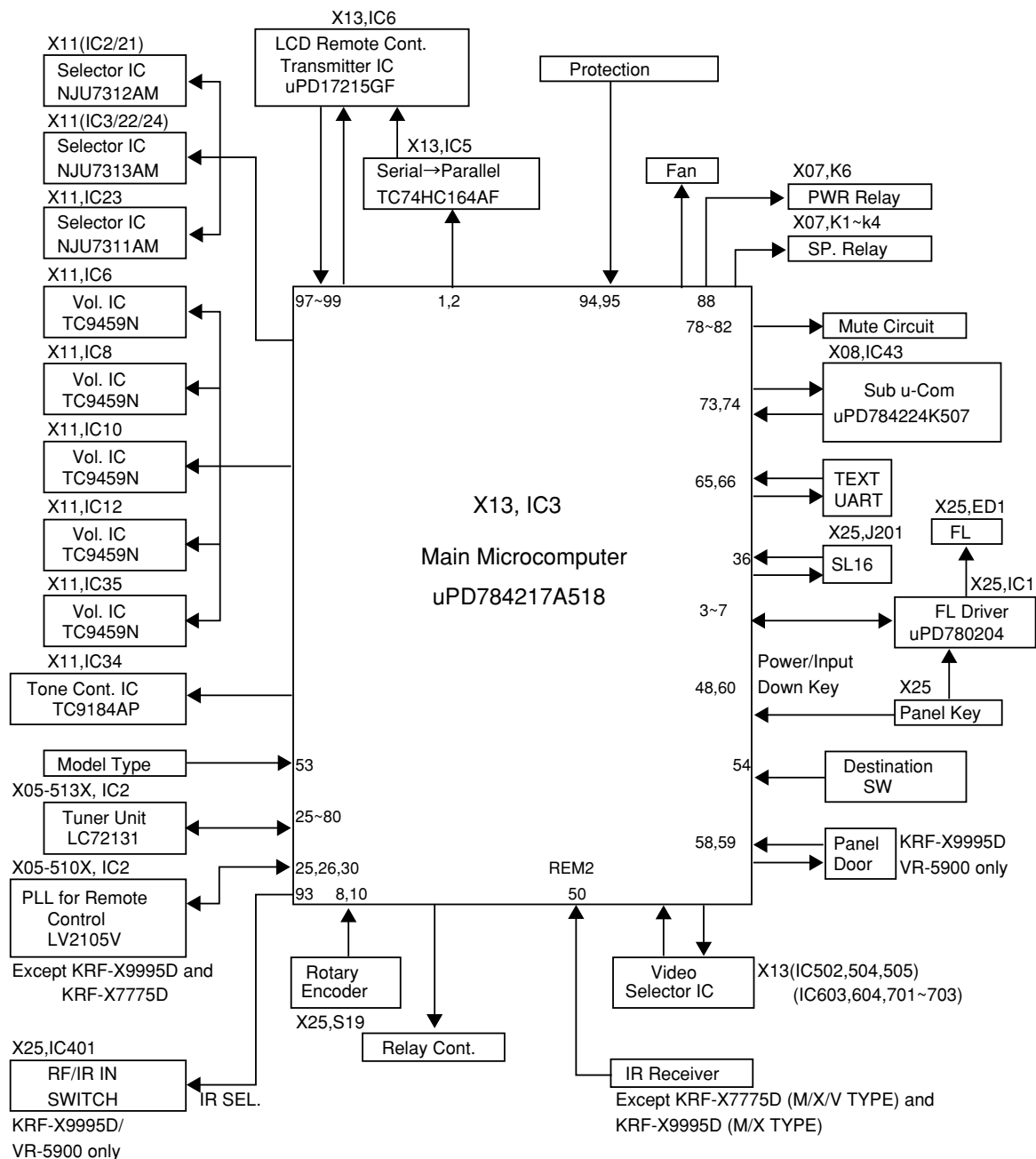
5-3 Contents of the Test Mode

* The following operation is available when the FL is all lighting up mode only.

Key	Operation	Display
SOUND	Set up the RF frequency to 428MHz.	RF BAND
LISTEN MODE	Set up the RF frequency to 422MHz.	RF BAND
THX	Indicated the tuner destination in the FL.	EX. TYPE E1
MEMORY	Changed the dimmer off/1/2 cyclically.	ALL FL Light ON

6. Main Microcomputer: uPD784217A518 (X13, IC3)

6-1 Main Microcomputer Periphery block diagram



CIRCUIT DESCRIPTION

6-2 Port Description of Main Microcomputer : uPD784217A518 (X13, IC3)

Port No.	Port Name	I/O	Function
1	REM DA	O	IR transmitter IC(X13,IC5) control data output.
2	REM CK	O	IR transmitter IC(X13,IC5) control clock output.
3	FL CLK	O	Clock output to FL driver.
4	FL DIN	I	Data input from FL driver.
5	FL DOUT	O	Data output to FL driver.
6	FL STB	O	Strobe output to FL driver.
7	FL RST	O	Reset output to FL driver.
8	ENC B	I	Input port of volume encoder.
9	VDD	-	+5V power supply.
10	ENC A	I	Input port of volume encoder.
11	SEL CLK	O	Clock output to selector IC.
12	SEL DATA	O	Data output to selector IC.
13~15	SEL STB1~3	O	Strobe (1~3) output to selector IC.
16	TONE CLK	O	Clock output to tone control / selector IC.
17	TONE DATA	O	Data output to tone control / selector IC.
18	TONE STB	O	Strobe output to tone control IC.
19	VOL CLK	O	Clock output to volume IC.
20	VOL DATA	O	Data output to volume IC.
21	VOL STB2	O	Strobe 2 output to volume IC.
22	TEST/VPP	-	Connected to GND.
23	STEREO	I	Tuner stereo signal detection port.
24	SD	I	Tuner SD signal detection port.
25	RF PLL CLK	O	Clock output to PLL (LC72131) IC. * Clock output to PLL IC (LV2105V) for RF remote controller. * Except KRF-X7775D/9995D
26	RF PLL DATA	O	Data output to PLL(LC72131) IC. * Data output to PLL IC (LV2105V) for RF remote controller. * Except KRF-X7775D/9995D
27	PLL DO	I	Data input from PLL (LC72131)IC.
28	PLL CE	O	Chip enable to PLL (LC72131) IC.
29	T MUTE	O	Mute control to tuner.
30	RF PLL CE	O	PLL (LV2105V)CE for RF remote controller. (VR series only)
31~33	P MACRO A~C	O	Output port for perfect macro (A~C). (Refer to 7-6)
34	TV SENS	I	Detection port of TV signal. (Refer to 7-7)
35	VOL STB1	O	Strobe 1 output to volume IC.
36	S DATA	I/O	SL16 data input/output.
37	VDD	-	+5V power supply
38	X2	-	Crystal resonator (12.5MHz) connection.
39	X1	-	Crystal resonator (12.5MHz) connection.
40	VSS	-	Connected to GND.
41	XT2	-	Unused.
42	XT1	-	Unused.
43	RESET	I	Reset signal input for main microcomputer.
44	CE	I	Detection port of chip enable.
45	S BUSY	I/O	Busy signal input/output.
46	232C DET	I	Detection port of RS232C communication. (Except KRF-X7775D)
47	RDS CLK	I	Clock input of RDS demodulator IC. (E/T type only)
48	POWER KEY IN	I	Detection port for power key.
49	REM1	I	Remote control signal input 1 (front panel).
50	REM2	I	Remote control signal input 2 (IR receiver). Except KRF-X7775D (X/M/V)and KRF-X9995D (M/X)

CIRCUIT DESCRIPTION

Port No.	Port Name	I/O	Function
51	VDD	-	+5V power supply
52	AVREF	-	Reference voltage input.
53	MODEL SEL	I	Discrimination port for model type.
54	DSW0	I	Detection port for tuner destination SW 0.
55	THERM SW	I	Detection port for thermal switch. (Refer to 7-1)
56	S LEVEL	I	RDS signal level input. (E/T type only)
57	RDS DATA	I	Data input of RDS demodulator IC. (E/T type only)
58	CLOSE SENS	I	Detection port of close sensor for panel door. (Refer to 7-3) (KRF-X9995D/VR-5900 only)
59	OPEN SENS	I	Detection port of open sensor for panel door. (Refer to 7-3) (KRF-X9995D/VR5900 only)
60	INPUT DOWN KEY IN	I	Detection port of input down key.
61	AVSS	-	Connected to GND.
62	P MACRO IN	I	Input port of perfect macro. (Refer to 7-7)
63	RELAY CONT	O	Relay control output. (Refer to 7-4)
64	AVREF1	-	Reference voltage input.
65	1394/TEXT RX	I	CD TEXT UTRA communication data input.
66	1394/TEXT TX	O	CD TEXT UTRA communication data output.
67	SUB RESET	O	Reset signal output to sub microcomputer.
68	RS RX1	I	RS232C communication data input 1. (Except KRF-X7775D)
69	RS TX1	O	RS232C communication data output 1. (Ditto)
70	RS RX2	I	RS232C communication data input 2. (Ditto)
71	RS TX2	O	RS232C communication data output 2. (Ditto)
72	LED	O	Control port for pro logic2 led.
73	SDT	I	Communication data input from sub microcomputer.
74	MDT	O	Communication data output to sub microcomputer.
75	MCK	O	Clock output to sub microcomputer.
76	MREQ	O	Communication master request.
77	SREQ	I	Communication slave request.
78	F/CSW MUTE	O	Mute control port for room A.
79	PRE S/B MUTE	O	Mute control port for pre out surround.
80	SP S/B MUTE	O	Mute control port for S/B speakers.
81	PRE ZB MUTE	O	Mute control port for pre out B (zone B).
82	V/RECMUTE	O	Mute control port for video rec out.
83	10dB GAIN	O	Switching port for +10dB amplifier.
84	RELAY CS	O	Mute control port for center/surround speakers.
85	RELAY B	O	Relay control port for speaker B.
86	RELAY A	O	Relay control port for speaker A.
87	RELAY TR	O	Switching port for transformer tap.
88	POWER	O	Power relay control port.
* 89	FAN H/L	O	Control port for fan motor (H/L).
* 90	FAN ON/OFF	O	Control port for fan motor (on/off).
* 91	10W	I	10W detection port for fan control.
* 92	1W	I	1W detection port for fan control.
93	IR SELECT	O	RF/IR IN switch control. (Refer to 7-5), KRF-X9995D/VR-5900 only
94	V PROT	I	Detection port of protection signal.
95	I PROT	I	Detection port of protection signal.
96	STBY LED	O	Control port for standby led.
97	REM RWR	I	RWR from LCD remote controller.
98	REM ENB	I	Chip enable from LCD remote controller.
99	REM REQ	O	Request to LCD remote controller.
100	VSS	-	GND

* Refer to 7-1

CIRCUIT DESCRIPTION

7. Description of the Circuit Control

7-1 Fan Control (X13,IC3)

Fan	10W(91Pin)	1W(92Pin)	THERMAL SW(55Pin)	FAN ON/OFF(90Pin)	FAN H/L(89Pin)
FAN STOP	H	H	L	0	1
FAN LOW SPEED	H	L	L	1	1
FAN HI SPEED	L	L	L	1	0
FAN LOW SPEED	H	H	H	1	1
	H	L	H	1	1
FAN HI SPEED	L	L	H	1	0

7-2 Door Open/Close Control : FL Driver(X25,IC1)

KRF-X9995D/VR-5900 only

	DOOR OUT1(42Pin)	DOOR OUT2(41Pin)
OPEN	1	0
CLOSE	0	1
STOP	0	0
BREAK	1	1

7-3 Open Close Sensor(X13,IC3 : Main u-com)

KRF-X9995D/VR-5900 only

	OPEN SENS(59Pin)	CLOSE SENS(58Pin)
END OF OPEN ACTION	0	1
END OF CLOSE ACTION	1	0

7-4 Relay Control : X13,IC3(Main u-com)

SELECTOR	RELAY CONT.(63Pin)
PHONO	0
TUNER	
CD1	
MD/TAPE1	
CD-R	
CD2/TAPE2 MONITOR	1
VIDEO1	
VIDEO2	
VIDEO3	
VIDEO4	
DVD	
AV/AUX	

7-5 IR Remote Control

		X25,IC401 RF IN (7Pin)	X25,IC401 IR IN (6Pin)	IR SELECT X13,IC3 (93Pin)
WITH RF VERSION	RF ON	X	O	0
	RF OFF	O	X	1
WITHOUT RF VERSION	FRONT IR ON	X	O	0
	FRONT IR OFF	O	X	1

7-6 P Macro Video Switch(X13,IC505)

SELECTOR	P MACRO A(3Pin)	P Macro B(4Pin)	P Macro C(5Pin)
VIDEO1	0	0	0
VIDEO2	0	1	0
VIDEO3	1	0	0
VIDEO4	1	1	0
DVD	0	0	1

7-7 Video/TV Detection : X13,IC3

Video Detection

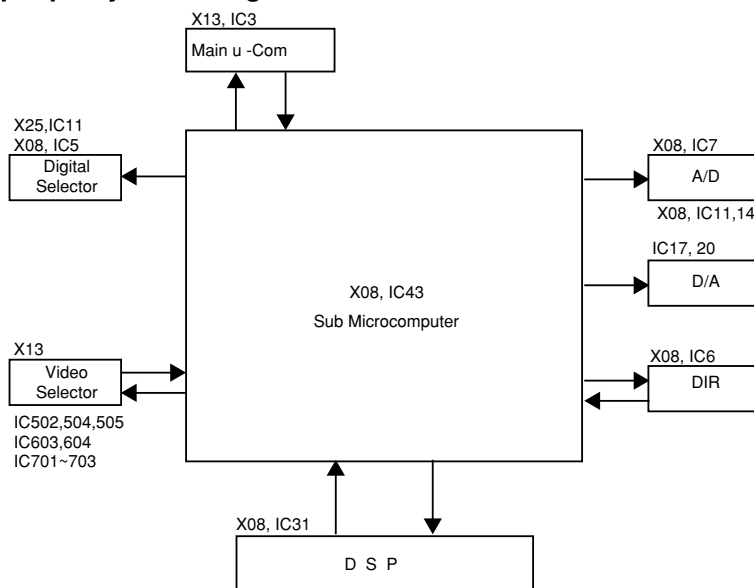
Video Signal	P Macro IN(62Pin)
Yes	H
No	L

TV Detection

TV POWER	TV SENS.(34Pin)
ON	H
OFF	L

8. Sub microcomputer: uPD784224K507(X08, IC43)

8-1 Sub microcomputerperiphery block diagram



CIRCUIT DESCRIPTION

8-2 Port Description of Sub Microcomputer : uPD784224K507 (X08,IC43)

Port No.	Port Name	I/O	Function	ACTIVE	
				H	L
1	ERF	I	D.I.R. (X08, IC6) error flag.		
2	FS96 DET	I	96KHz fs detection. H : fs>88.1kHz detection		
3	AUTO	I	Non-PCM detection. H : Non-PCM detection		
4	AVSS	-	GND		
5	DIR PD	O	Power down for D.I.R. (X08, IC6). L : DIR power down and reset		
6	DIR CS	O	Chip select for D.I.R. (X08, IC6). L : Chip selection		
7	AVREF	-	Reference voltage.		
8	DIR DIN	I	Data input from D.I.R. (X08, IC6).		
9	DIR DOUT	O	Data output for D.I.R. (X08, IC6).		
10	DIR CLK	O	Clock output for D.I.R. (X08, IC6).		
11	D MUTE	O	Mute signal output for D.I.R. (X08, IC6).		Data mute
12	DAC PD	O	Power down for D/A converter (X08, IC11/14/17/20).		Power down
13	DAC 96K	O	Double speed sampling mode for D/A converter speed mode (X08, IC11/14/17/20). H : Double		
14	DAC MUTE	O	Mute signal output for D/A converter (X08, IC11/14/17/20).	Mute	
15	ADC RST	O	Reset signal output for A/D converter (X08, IC7).		Reset
16	MDT	I	Main microcomputer master data.		
17	SDT	O	Sub microcomputer data output.		
18	MCK	I	Main microcomputer control data clock		
19	MREQ	I	Main microcomputer master request.		
20	SREQ	O	Main microcomputer slave request.		
21	REC 6dB	O	Rec gain control when HDCCD +6dB.	+6dB on	
22~24	DSEL A~C	O	Control port for digital input selector (A~C).		
25	DSP POWER	O	Power supply for DSP/DAC/ADC/DIR.		
26	DSP RESET	O	Reset signal output for DSP.		
27~32	DSP D0~D5	I/O	DSP control data.		
33	VSS	-	GND		
34,35	DSP D6,7	I/O	DSP control data.		
36	DSP REQ	O	DSP communication request.		Request
37	DSP ACK	I	Input port of command data reading from DSP.		Ack.
38	DSP BUSY	I	DSP status busy.	Busy	
39	DSP WRT	O	DSP Write	Data write	Data read
40	DTS DET	I	DSP DTS detection.	DTS	
41	PCM ZERO	I	PCM zero data detection.	PCM 0	
42	HDCCD DET	I	DSP HDCCD sync. Detection.	HDCCD	
43	HDCCD 6dB DET	I	DSP HDCCD +6dB detection. (KPCM)	+6dB	
44	OVER LEVEL	I	DSP over level detection.	Over level	
45	PCM MUTE	O	DSP mute control (PCM).		Fixed
46	DRIVE	O	DSP D.R.I.V.E. /HDCCD control (PCM).		D.R.I.V.E./HDCCD ON
47	SUB MUTE	O	Sub microcomputer analog mute.		Mute on
48~50	C ROOMB(C/B/A)	O	Zone B video selector control.		
51,52	YC SEL(B, A)	O	Zone A video selector control.		
53~59	C ROOMA(A~G)	O	Zone A video selector control.		
60	RESET	I	Reset signal input.		
61	YC MUTE	O	Zone A video selector (Y/C) mute control.		
62	FSC CTRL	O	Zone A video selector FSC control.		
63	VSEL	O	Zone A video selector control.		
64	CTRL A2	O	Zone A video selector control A2.		
65	CTRL B	O	Zone A video selector control B.		
66	CTRL A	O	Zone A video selector control A.		

CIRCUIT DESCRIPTION

Port No.	Port Name	I/O	Function	ACTIVE	
				H	L
67	VSS	-	GND		
68	VDD	-	Power supply (+3.3V).		
69	X2	-	Crystal resonator (6MHz) connection.		
70	X1	I	Crystal resonator (6MHz) connection.		
71	TEST	-	Pull down port.		
72	XT2	-	Unused.		
73	XT1	-	GND		
74	VDD	-	Power supply (+3.3V).		
75	AVDD	-	Power supply (+3.3V).		
76	NC	-	Unused.		
77	C DET	I	Zone A component signal detection.		Detection
78	Y DET	I	Zone A S-terminal signal detection.		Detection
79	CK DET	I	Zone A color killer detection.		
80	OPT DET	I	Optical digital input detection.		

9. Description of the Circuit Control

* The number in the () is pin number of sub microcomputer.

9-1 Digital Selector

• VR-5700/5900/5090/KRF-X9995D(for OPT and COAX)

INPUT	DSEL A(Pin22)	DSEL B(Pin23)	DSEL C(Pin24)
CD1	L	H	L
MD/TAPE1	H	H	L
CD-R	L	L	H
VIDEO2	H	L	H
VIDEO3	L	H	H
VIDEO4	H	H	H
DVD	H	L	L
OTHERS	L	L	L

• VR-5080/KRF-X7775D

INPUT	DSEL A (Pin22)	DSEL B (Pin23)	DSEL C (Pin24)
CD1(OPT)	L	H	L
VIDEO2(COAX)	L	H	L
VIDEO3(COAX)	H	H	L
DVD(OPT/COAX)	H	L	L
OTHERS	L	L	L

9-2 Video Selector

(BA7649AF,BA7611AF,BA7612F,BA7613F)

① VSEL

INPUT	VSEL(Pin63)
VIDEO1	L
VIDEO2	L
VIDEO3	L
VIDEO4	L
AV-AUX	L
DVD	H
V MUTE	L

② Y C Select

② -1 Y Detect(Pin78) = H

INPUT	Y C SEL A (Pin52)	Y C SEL B (Pin51)
VIDEO1	L	H
VIDEO2	L	H
VIDEO3	L	H
VIDEO4	L	H
AV-AUX	L	H
DVD	H	L
V MUTE	H	H

③ CTRL A, CTRL A2, CTRL B

③ -1 C Detect(Pin77) = L

VR-5900/5090/KRF-X9995D

② -2 Y Detect(Pin78) = L

INPUT	Y C SEL A (Pin52)	Y C SEL B (Pin51)
VIDEO1	L	L
VIDEO2	L	L
VIDEO3	L	L
VIDEO4	L	L
AV-AUX	L	L
DVD	L	L
V MUTE	H	H

INPUT	CTRL A (Pin66)	CTRL A2 (Pin64)	CTRL B (Pin65)
VIDEO1	L	L	H
VIDEO2	L	L	H
VIDEO3	L	L	L
VIDEO4	L	L	H
AV-AUX	L	L	H
DVD	H	H	L
V MUTE	H	H	H

CIRCUIT DESCRIPTION

③ -2 C Detect(Pin77) = H

• CK DET(Pin79) = L

VR-5900/5090/KRF-X9995D

INPUT	CTRL A (Pin66)	CTRL A2 (Pin64)	CTRL B (Pin65)
VIDEO1	L	L	H
VIDEO2	L	L	H
VIDEO3	L	L	H
VIDEO4	L	L	H
AV-AUX	L	L	H
DVD	L	L	H
V MUTE	H	H	H

③ -3 CK DET(Pin79) = H

VR-5900/5090/KRF-X9995D

INPUT	CTRL A (Pin66)	CTRL A2 (Pin64)	CTRL B (Pin65)
VIDEO1	L	H	H
VIDEO2	L	H	H
VIDEO3	L	H	H
VIDEO4	L	H	H
AV-AUX	L	H	H
DVD	L	H	H
V MUTE	H	H	H

④ CPST A(Pin53~59)

④ -1 Y Detect(Pin78) = H

INPUT	CPST AA (Pin59)	CPST AB (Pin58)	CPST AC (Pin57)	CPST AD (Pin56)	CPST AE (Pin55)	CPST AF (Pin54)	CPST AG (Pin53)
VIDEO1	L	L	L	L	L	L	L
VIDEO2	H	H	H	H	L	L	L
VIDEO3	L	H	L	L	L	L	L
VIDEO4	L	H	H	L	L	L	L
AV-AUX	H	L	L	L	L	L	L
DVD	L	H	L	L	H	L	L
V MUTE	L	H	L	L	H	H	H

④ -2 Y Detect(Pin78) = L

INPUT	CPST AA (Pin59)	CPST AB (Pin58)	CPST AC (Pin57)	CPST AD (Pin56)	CPST AE (Pin55)	CPST AF (Pin54)	CPST AG (Pin53)
VIDEO1	L	L	L	L	L	L	H
VIDEO2	H	H	H	H	L	L	H
VIDEO3	L	H	L	L	L	L	H
VIDEO4	L	H	H	L	L	L	H
AV-AUX	H	L	L	L	L	L	H
DVD	L	H	L	L	H	H	L
V MUTE	L	H	L	L	H	H	H

⑤ CPST B(Pin48~50)

INPUT	CPST BA (Pin50)	CPST BB (Pin49)	CPST BC (Pin48)
VIDEO1	L	L	L
VIDEO2	L	H	L
VIDEO3	H	L	L
VIDEO4	H	H	L
DVD	L	H	H

10. Key Matrix

* The number in the () is pin number of FL driver (X25,IC1).

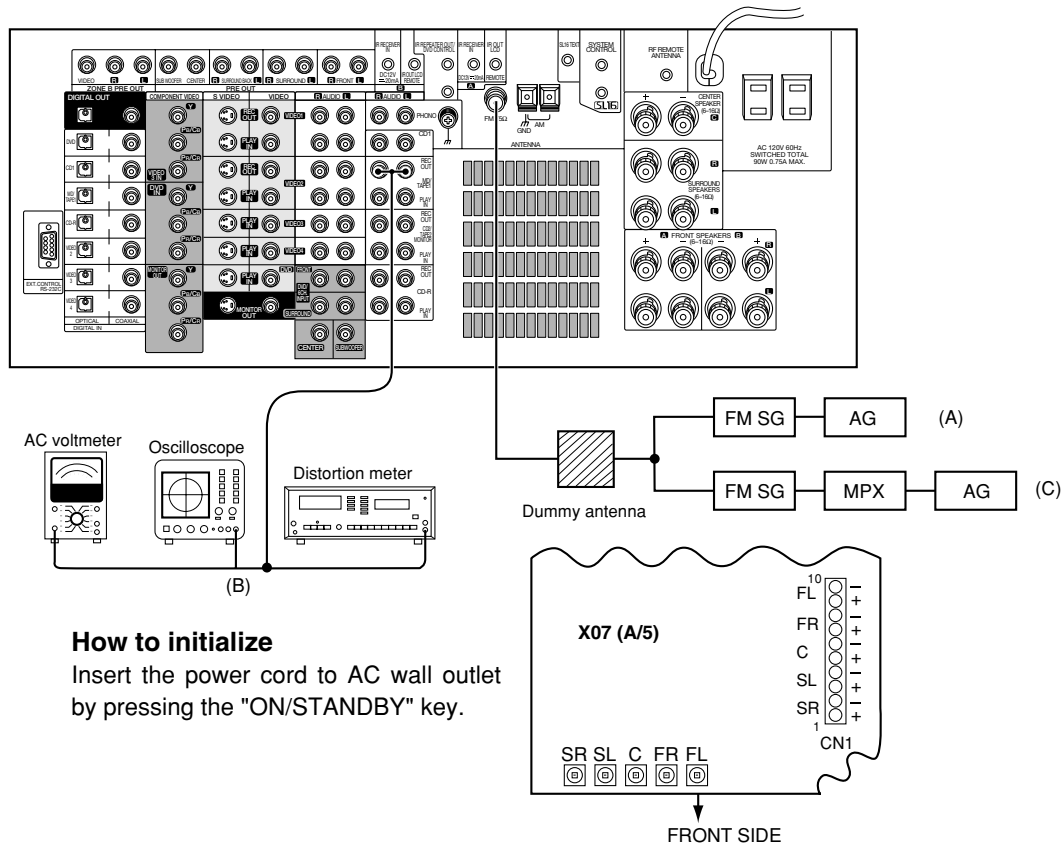
* KRF-X9995D/VR-5900 only

	Key	
Key 1(Pin26)	INPUT UP	* OPEN/CLOSE
Key 2(Pin27)	AUTO	BAND
Key 3(Pin28)	P. CALL UP	MEMORY
Key 4(Pin29)	P. CALL DOWN	MULTI CONT. UP
Key 5(Pin30)	SOUND/SET UP	MULTI CONT. DOWN
Key 6(Pin31)	LISTEN MODE	THX
Key 7(Pin32)	INPUT MODE	CD2/TAPE2 MONI.
Key 8(Pin33)	SPEAKER A	SPEAKER B

ADJUSTMENT

No.	ITEM	INPUT SETTINGS	OUTPUT SETTINGS	RECEIVER SETTINGS	ALIGNMENT POINTS	ALIGN FOR	FIG.
FM SECTION :		SELECTOR : FM	*Adjust NO.1 and NO.2 repeatedly.				
1	DISCRIMINATOR	(A) 98.0MHz 1kHz, ±40kHz dev. 70dBf (ANT. input)	Connect a DC voltmeter between CN2 ① and CN2 ② (X05)	MONO 98.0MHz	L4 (X05-)	0V	
2	DISTORTION (MONO)	(A) 98.0MHz 1kHz, ±40kHz dev. MONO 70dBf (ANT. input)	(B)	MONO 98.0MHz	L5 (X05-)	Minimum distortion	
3	DISTORTION (STEREO)	(C) 98.0MHz 1kHz, ±40kHz dev. Selector : L or R Pilot : ±6kHz dev. 70dBf (ANT. input)	(B)	AUTO 98.0MHz	IFT(RF FRONT END : A1) (X05-)	Minimum distortion (L or R)	
4	TUNING LEVEL	(A) 98.0MHz MONO 1kHz, ±40kHz dev. 30dBf (ANT. input)	—	MONO 98.0MHz	VR1 (X05-)	Adjust VR1 and stop at the point where ED1 (TUNED) goes on.	
AUDIO SECTION		SPEAKER : A	PREOUT : OFF	PROLOGIC : ON			
<1>	IDLE CURRENT	—	Connect a DC voltmeter across each T.P. CN1(⑨, ⑩) FLch CN1(⑤, ⑥) Cch CN1(⑦, ⑧) FRch CN1(①, ②) SRch CN1(③, ④) SRch X07(A/5)	(FRONT 2ch MODE) Volume: Minimum	VR1(FL) VR2(FR) VR3(SL) VR4(SR) VR5(CENTER) X07(A/5)	Adjust every potentiometer 10 minutes later after turned the power on.	

SYSTEM CONNECTIONS



KRF-X9995D/X9995D-S/VR-5700/5900

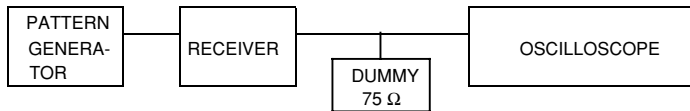
ADJUSTMENT

Adjustment of Sub Color and Contrast (X35, VR1, VR2)

Except KRF-X7775D/VR-5080

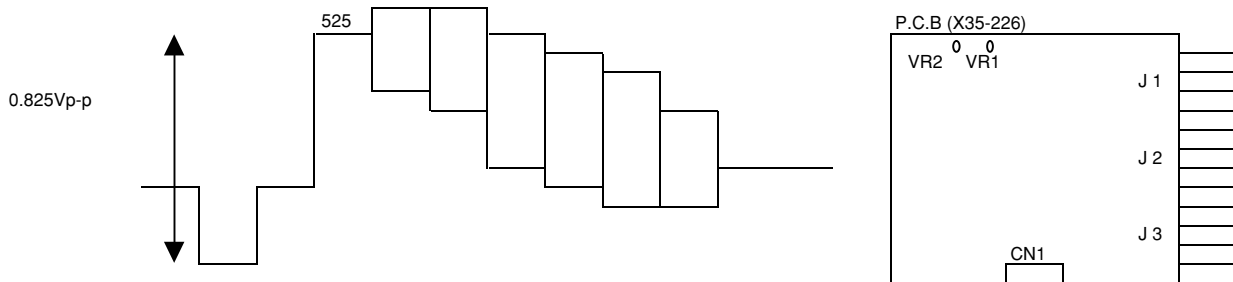
No.	ITEM	INPUT SETTINGS	OUTPUT SETTINGS	ALIGNMENT POINTS	ALIGNMENT FOR	FIG.
1	SUB COLOR	PAL 75% COLOR BAR (NO SET UP)	Connect a component video output(Y) to oscilloscope with 75Ω.	VR2	(Adjust an amplitude of video signal.) 0.825Vp - p	FIG.1
2	CONTRAST	PAL 75% COLOR BAR (NO SET UP)	Connect a component video output(Cb,Cr) to oscilloscope with 75Ω.	VR1	(Adjust an amplitude of video signal.) ±0.525Vp - p	FIG.2

INSTRUMENTS CONNECTION

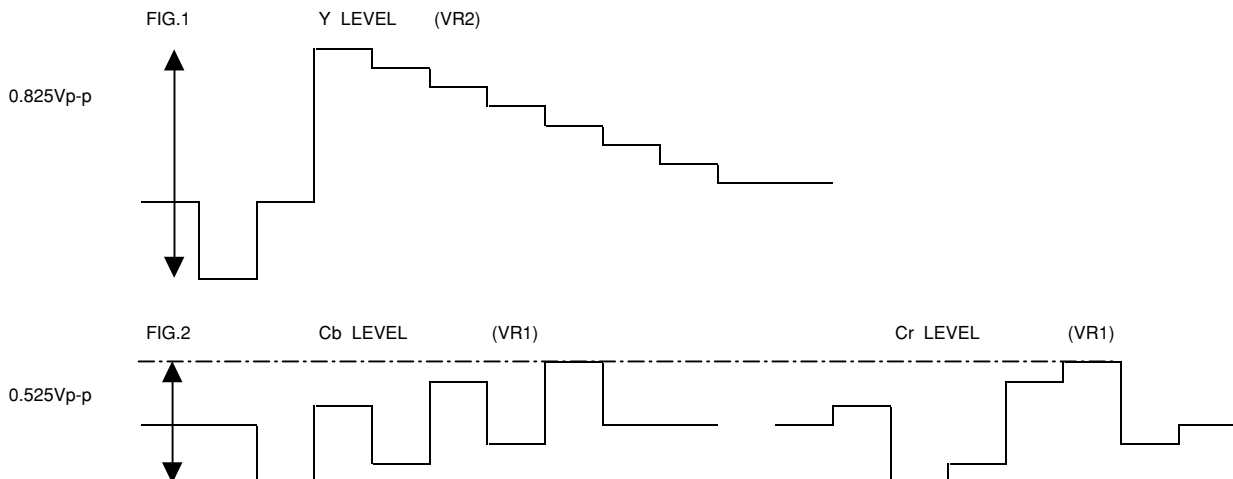


INPUT SIGNAL : 75% COLOR BAR SIGNAL

PARAMETER		WHITE	YELLOW	CYAN	GREEN	MAGENTA	RED	BLUE
LUMINANCE LEVEL	mV	525	465	368	308	217	157	60
	IRE							
CHROMA LEVEL	mV	0	470	664	620	620	664	470
	IRE							
CHROMA PHASE (deg)	+V		167	283	241	61	103	347
	-V		193	77	119	299	257	13

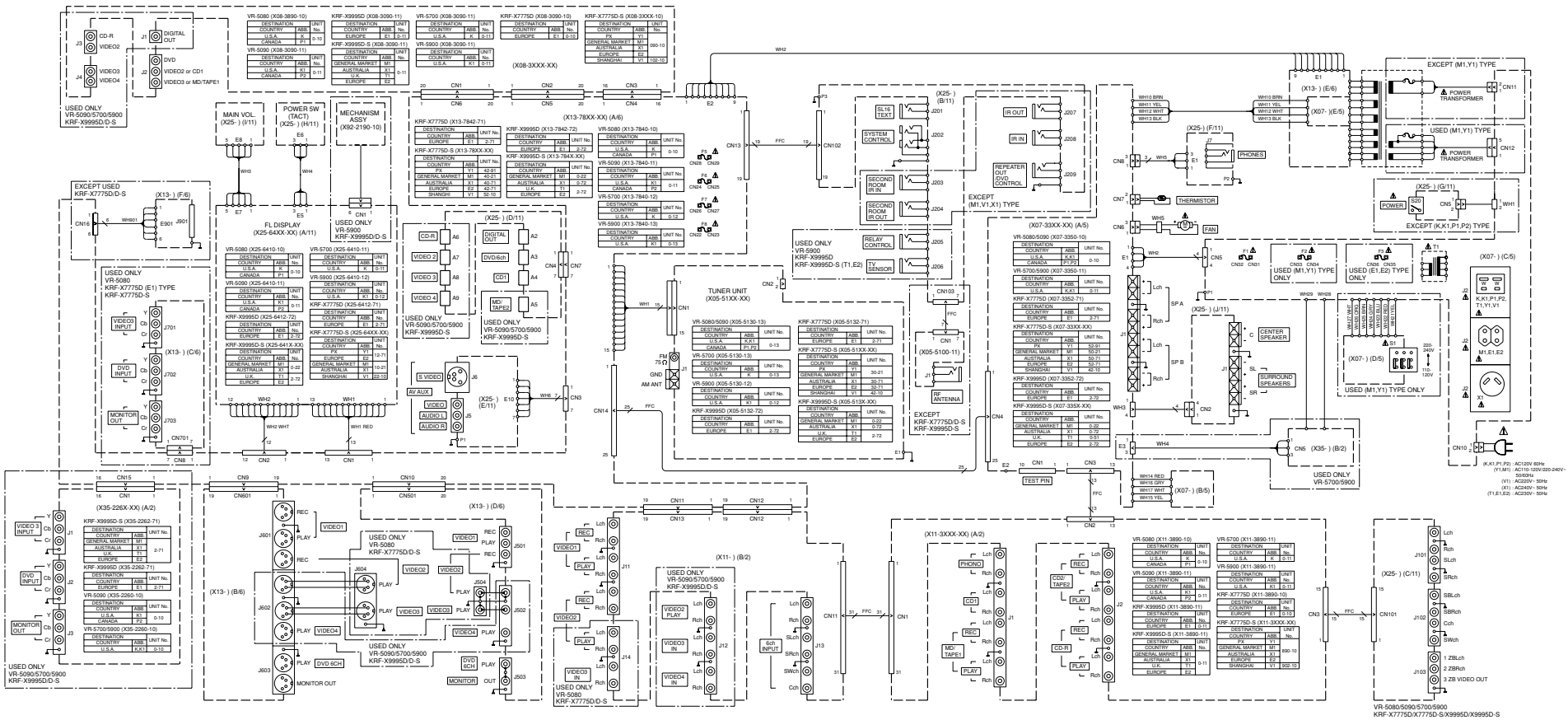


ADJUSTMENT OUTPUT SIGNAL :



KRF-X9995D/X9995D-S/VR-5700/5900

WIRING DIAGRAM

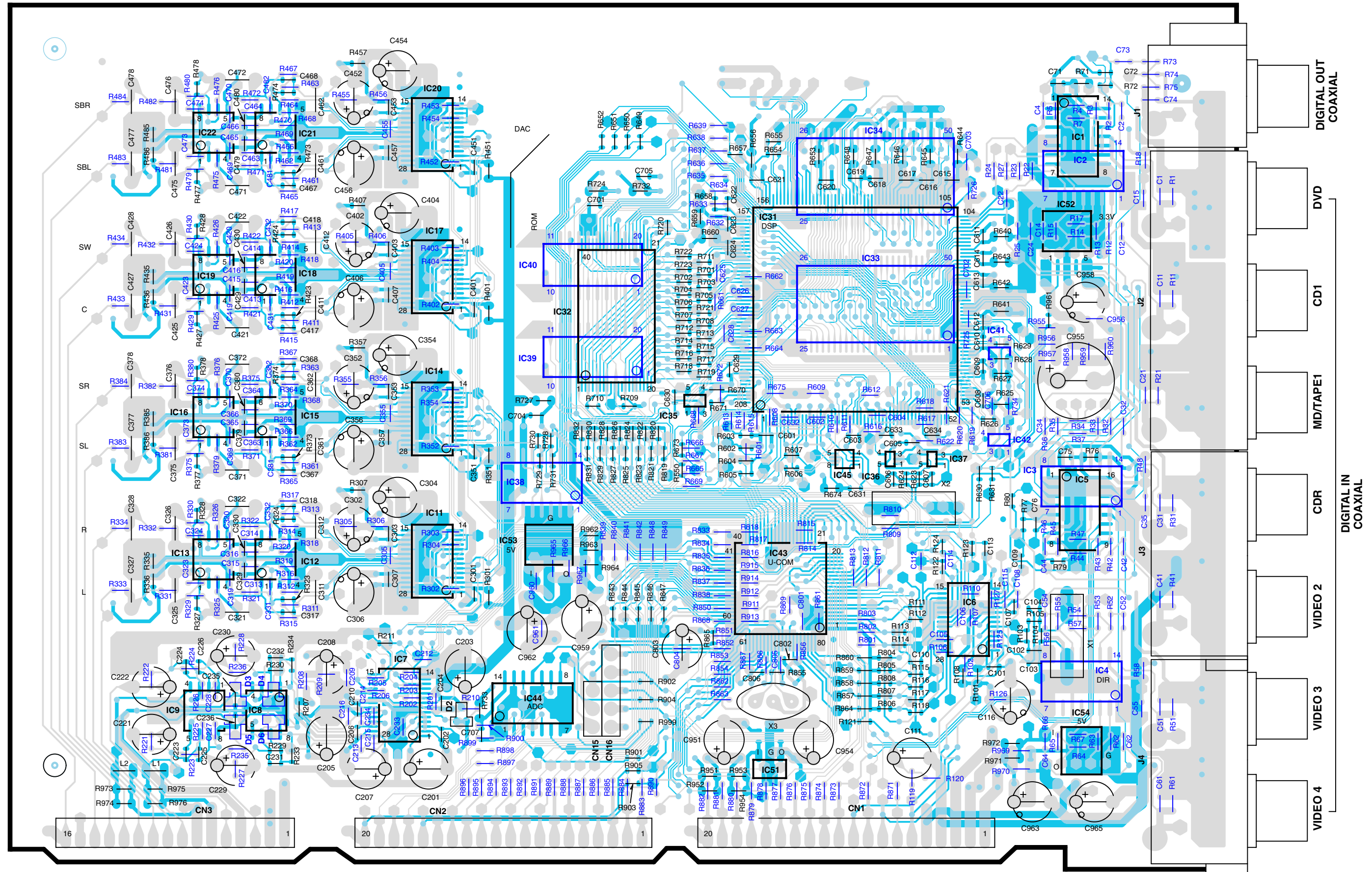


1
2
3
4
5
6
7

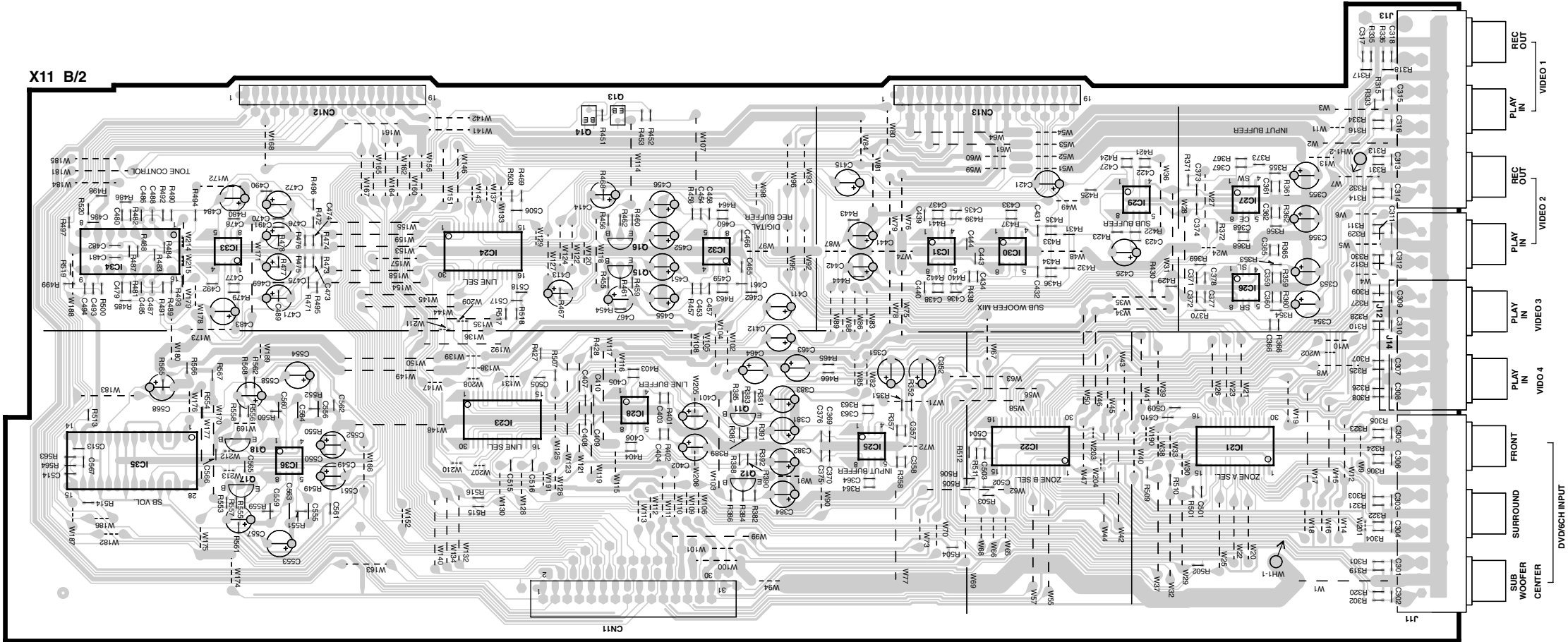


PC BOARD (Component side view)

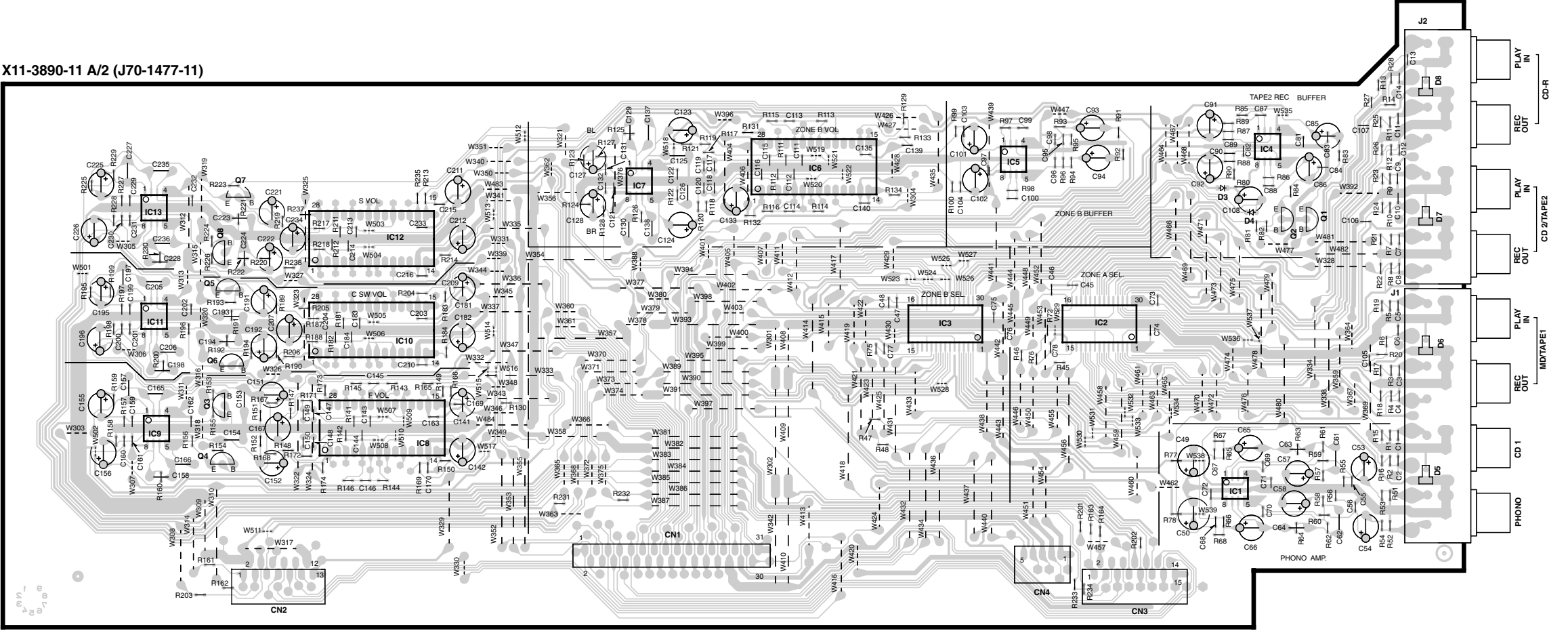
X08-3090-11 (J70-1482-12)



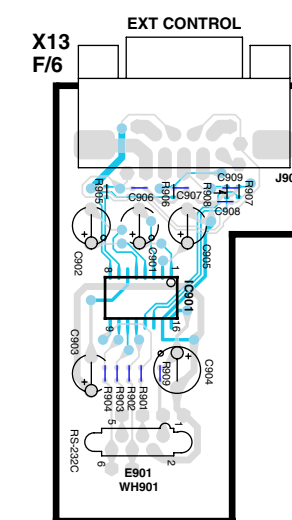
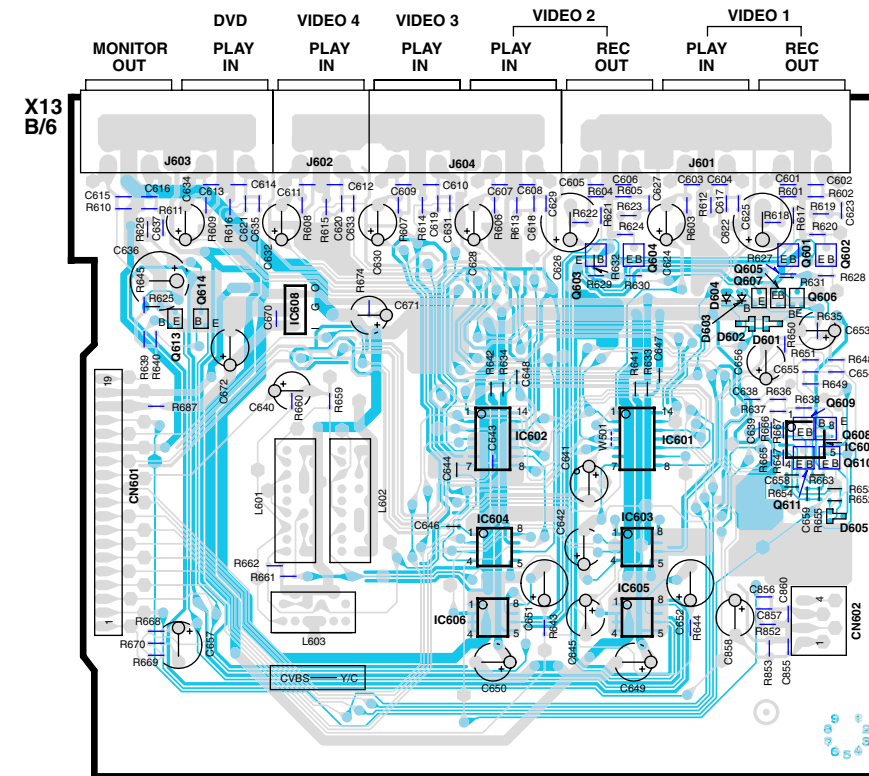
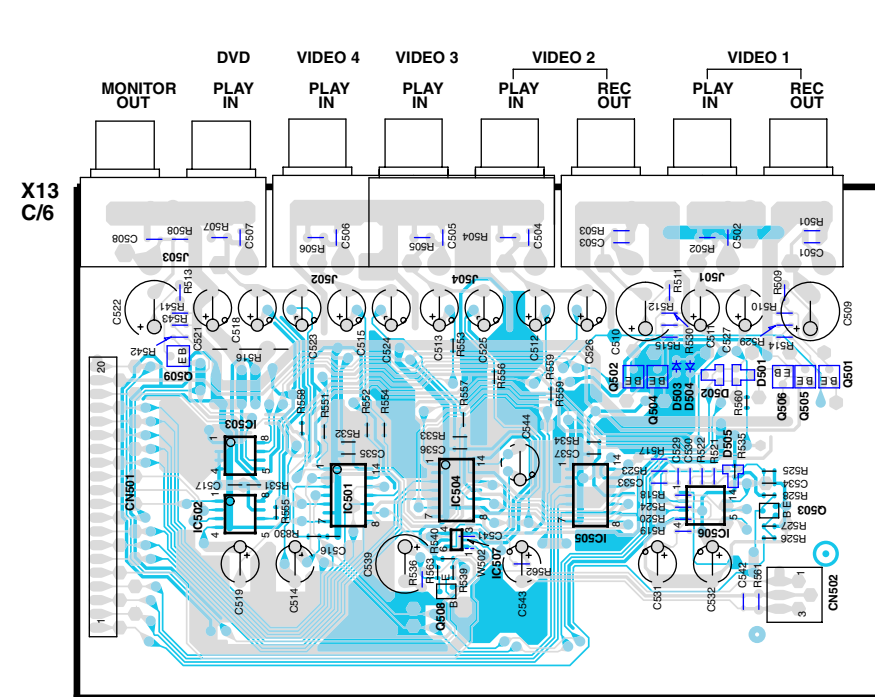
PC BOARD (Component side view)



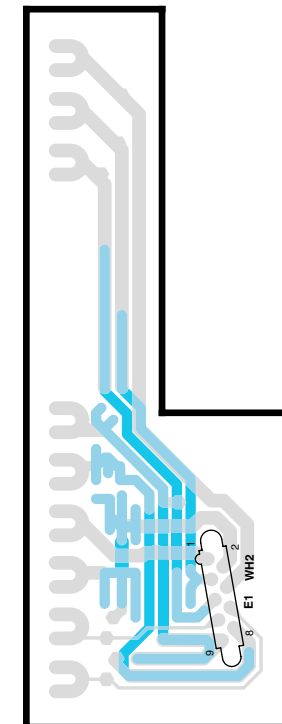
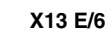
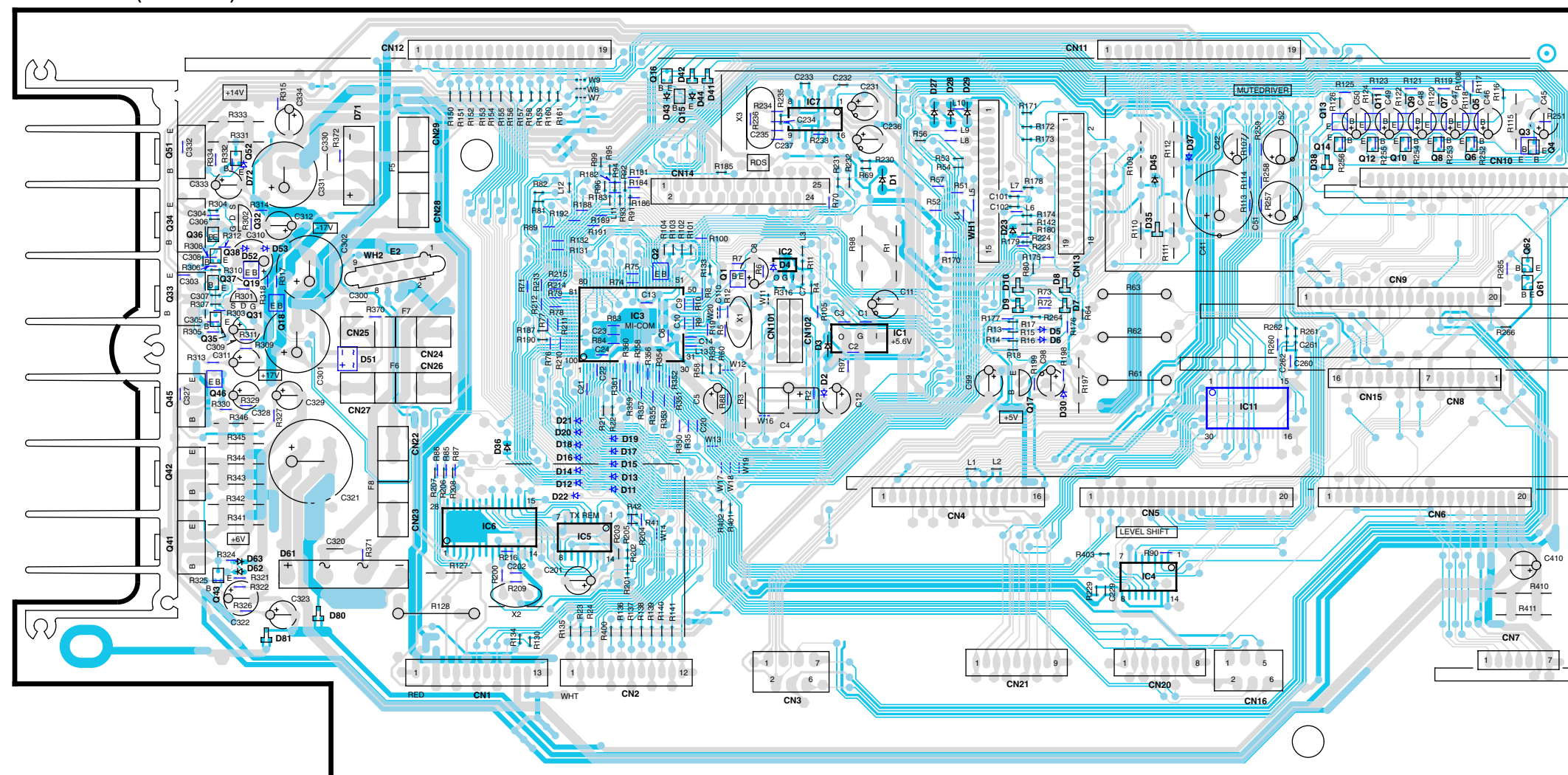
X11-3890-11 A/2 (J70-1477-11)



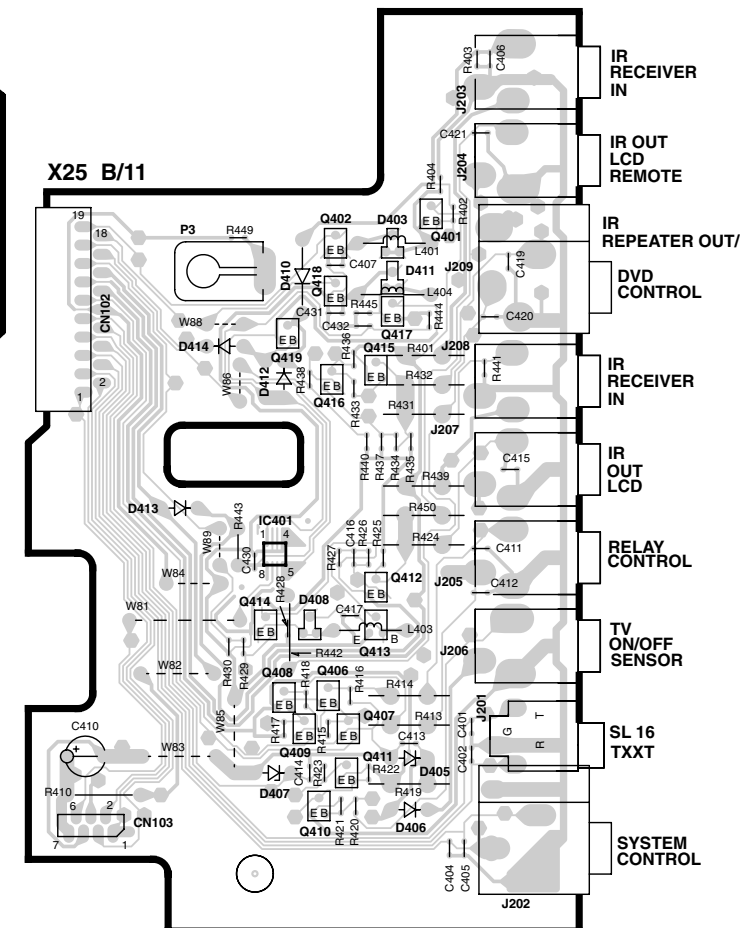
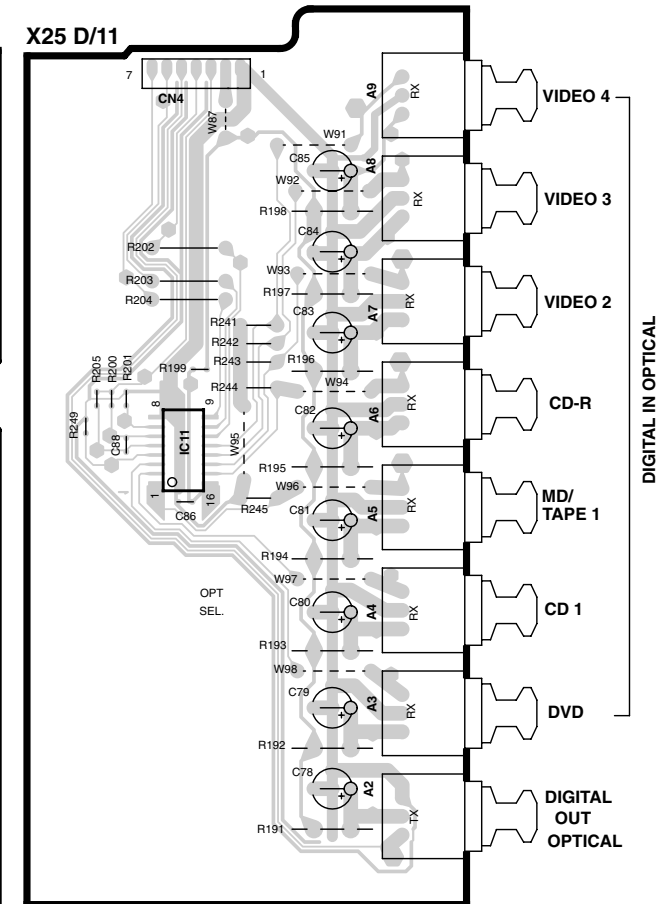
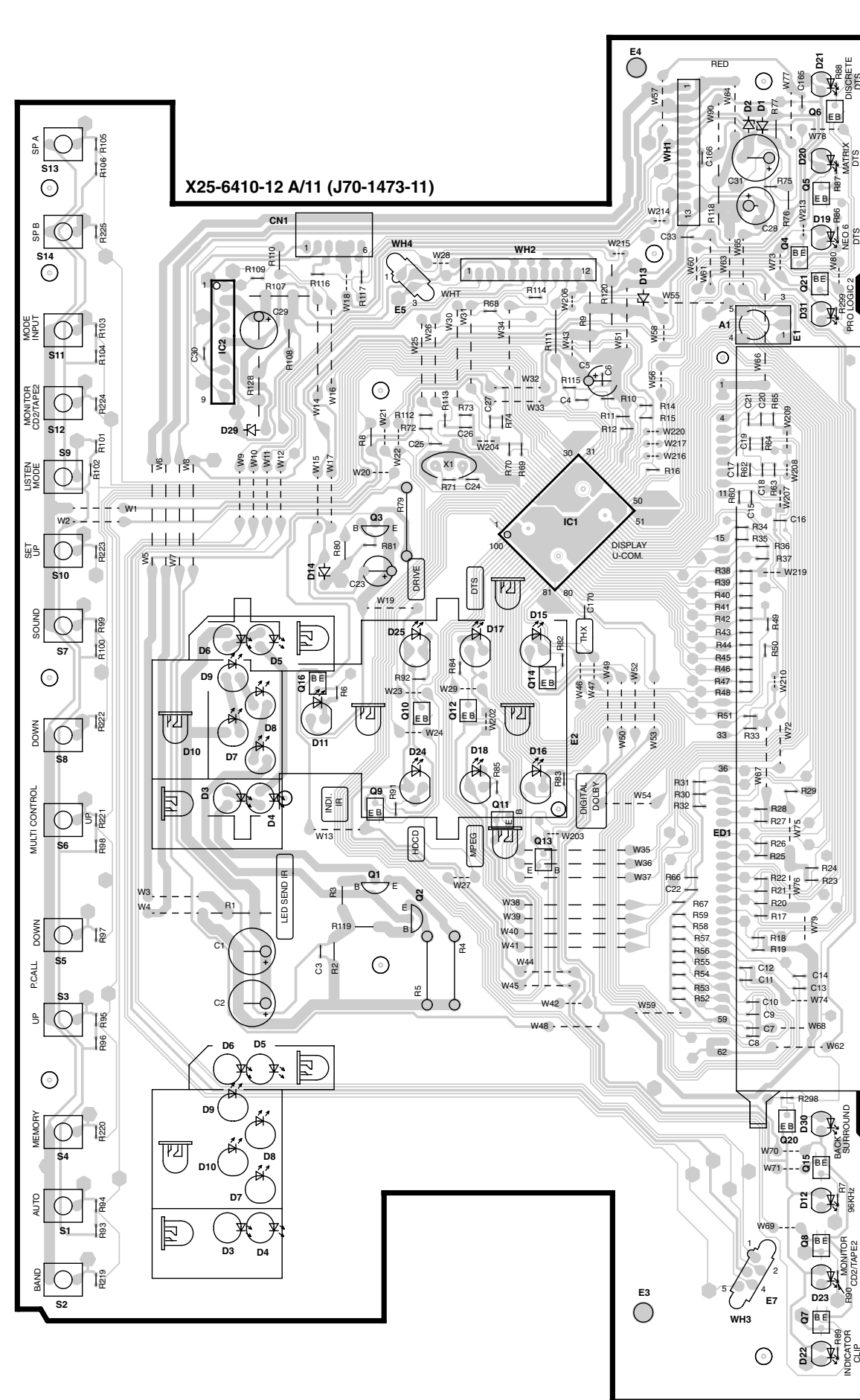
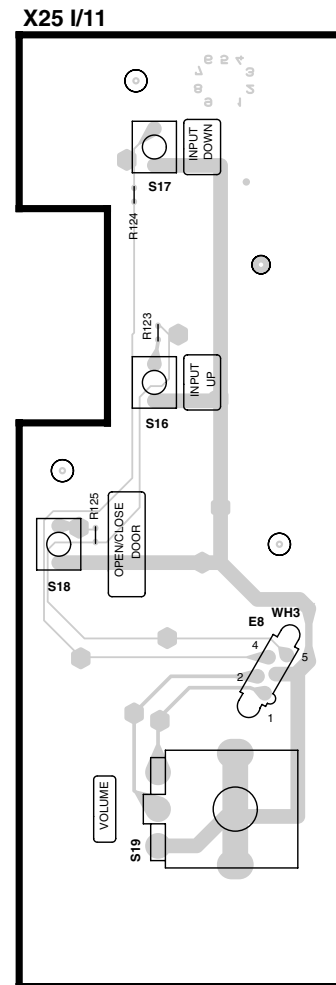
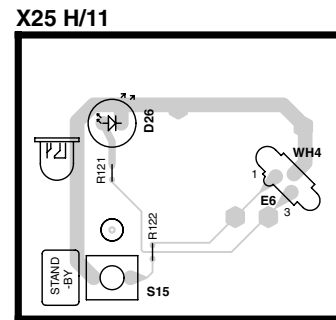
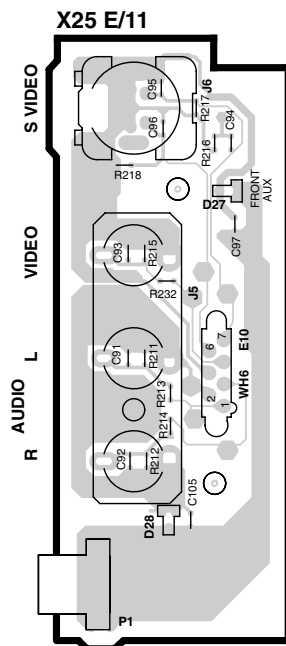
PC BOARD (Component side view)

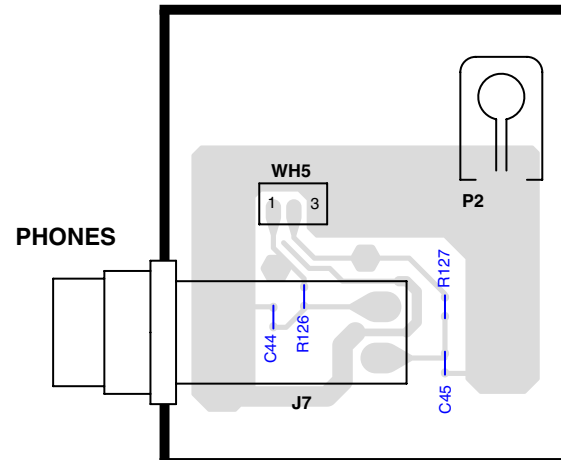


X13-7840-13 A/6 (J70-1472-11)



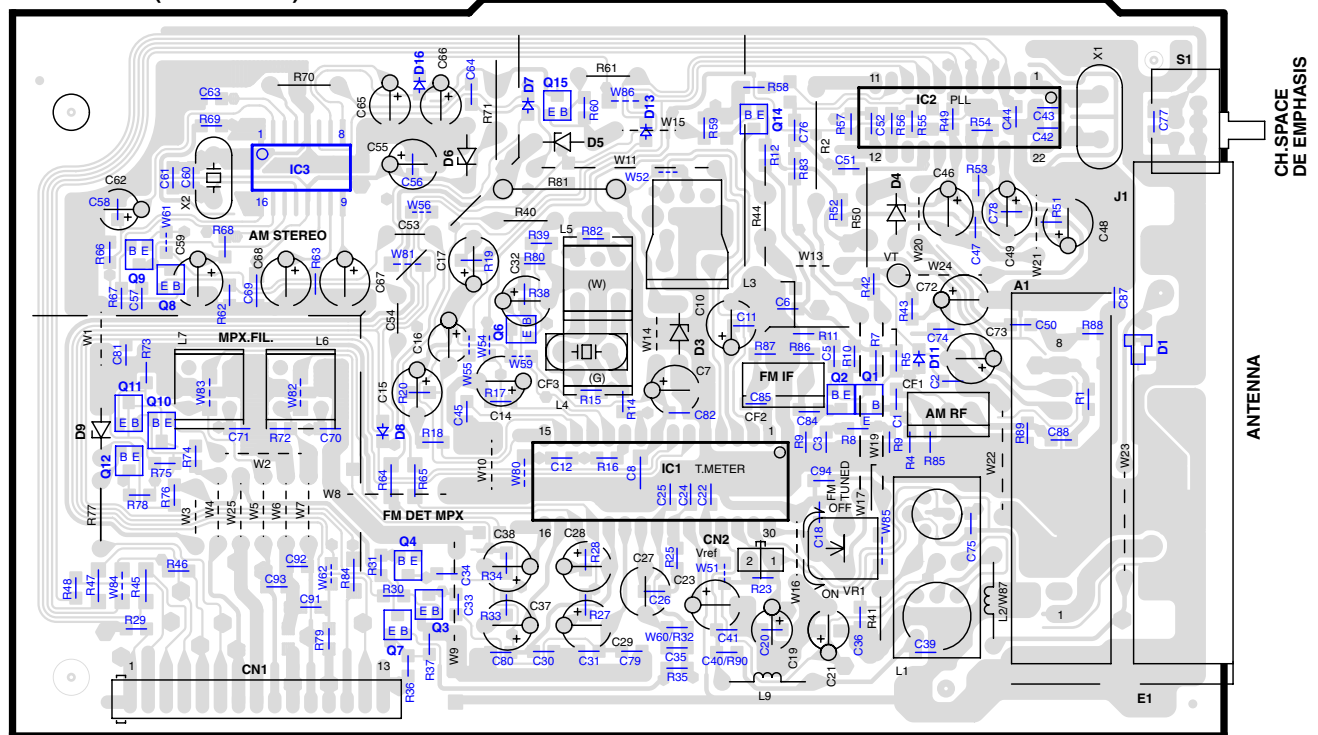
PC BOARD (Component side view)



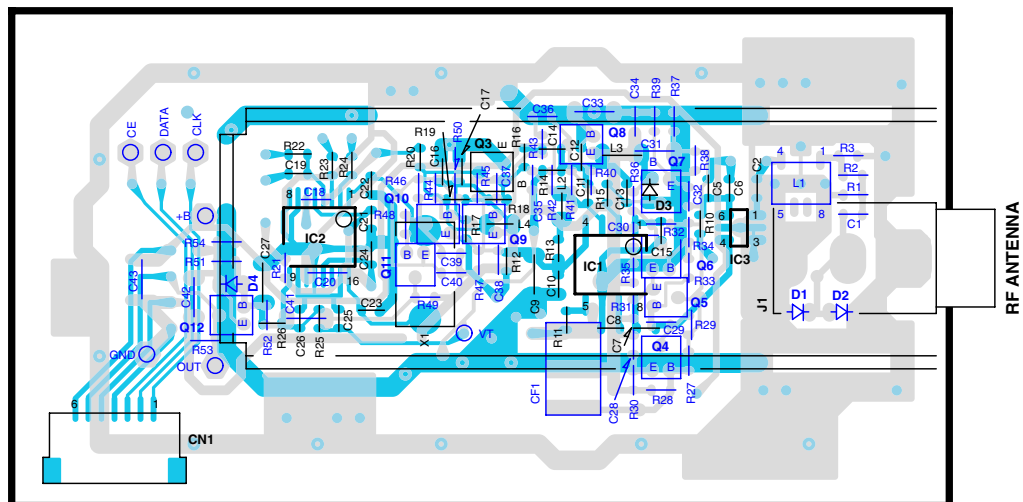


PC BOARD (Component side view)

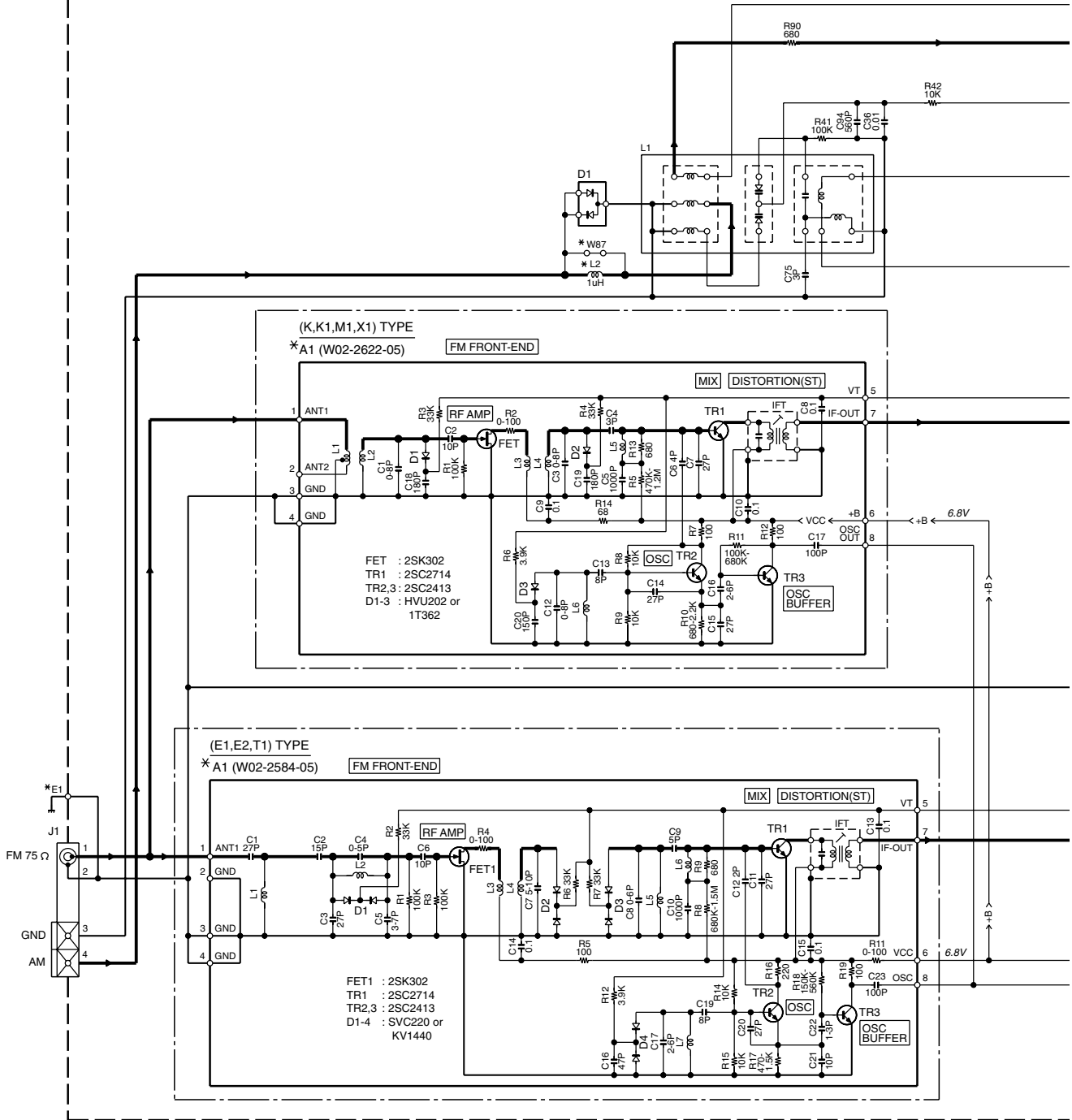
X05-5130-13 (J70-1381-11)



X05-5100-11 (J70-1411-32)



TUNER UNIT (X05-51XX-XX)



VR-5700 (X05-5130-13)

DESTINATION	UNIT No.	A	B	C	F	A1	C70, 71, 77	C25	C30, 31	C74, 92, 93	C79, 80	CF1,2	E1	L2, 6, 7	R8, 11	R23	R25	R27, 28	R29	R72, 73	S1	W56	W82, 83, 87
COUNTRY	ABB.																						
U.S.A.	K	0-13	NO	NO	NO	W02-2622	NO	180P	0.033	YES	1000P	L72-0596(MS2)	F10-1108	NO	33	4.7K	18K	6.8K	NO	33K	NO	NO	YES

VR-5900 (X05-5130-12)

DESTINATION	UNIT No.	A	B	C	F	A1	C70, 71, 77	C25	C30, 31	C74, 92, 93	C79, 80	CF1,2	E1	L2, 6, 7	R8, 11	R23	R25	R27, 28	R29	R72, 73	S1	W56	W82, 83, 87
COUNTRY	ABB.																						
U.S.A.	K1	0-12	YES	NO	NO	W02-2622	NO	180P	0.033	YES	1000P	L72-0596(MS2)	F10-1108	NO	33	4.7K	18K	6.8K	NO	33K	NO	NO	YES

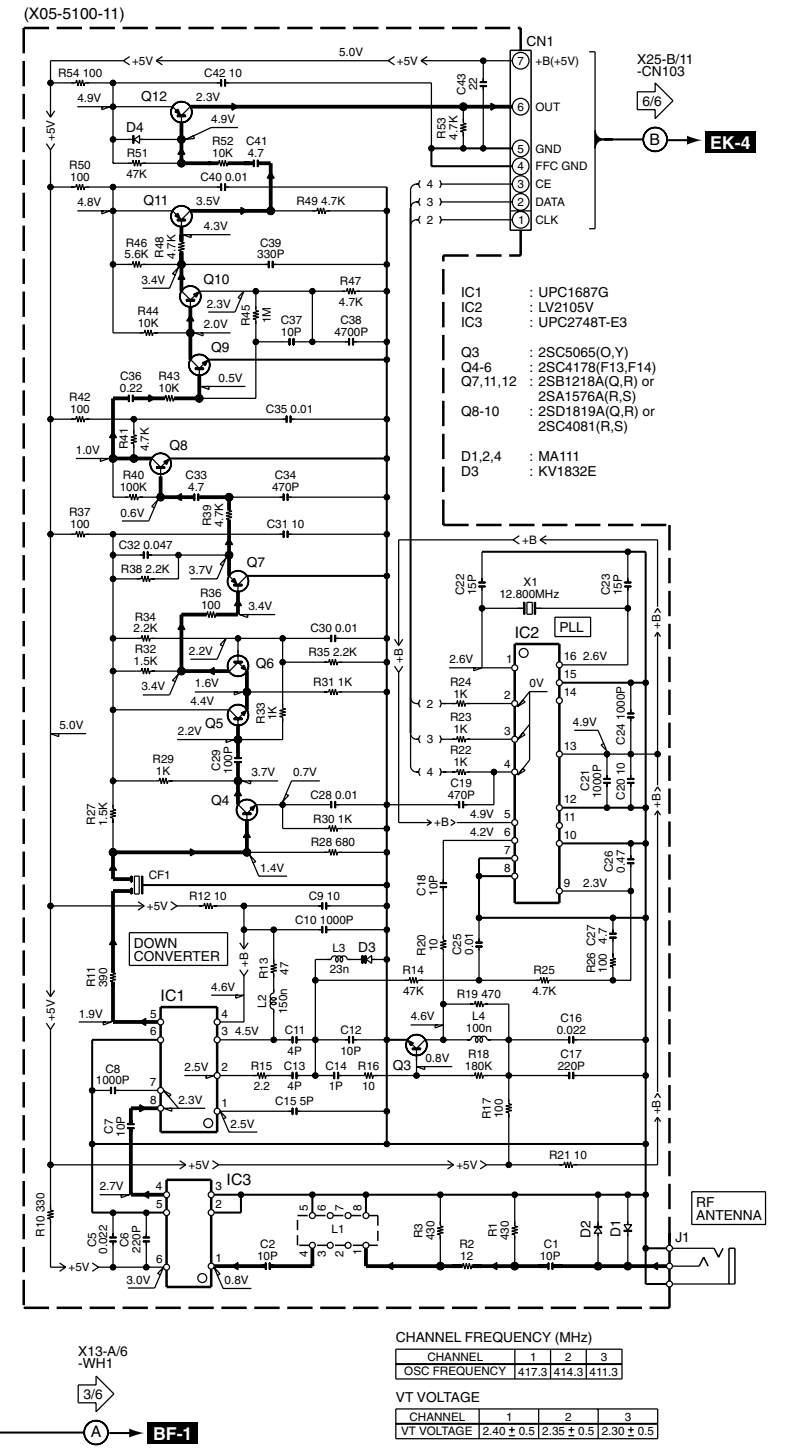
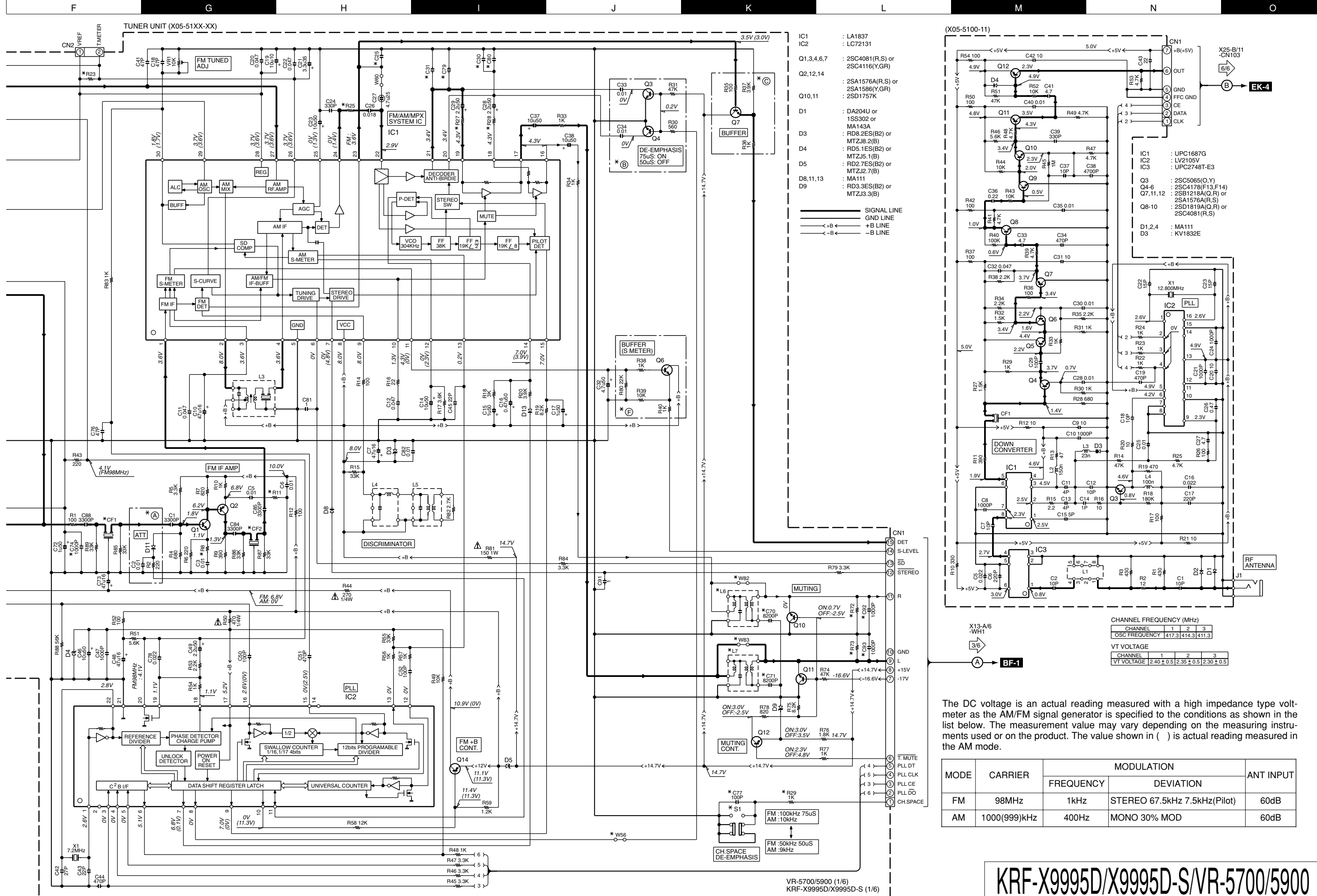
KRF-X9995D (X05-5132-72)

DESTINATION	UNIT No.	A	B	C	F	A1	C74, 77, 92, 93	C25	C30, 31	C70, 71	C79, 80	CF1,2	E1	L2, 6, 7	R8	R11	R23	R25	R27, 28	R29	R72, 73	S1	W56, 82, 83, 87
COUNTRY	ABB.																						
EUROPE	E1	2-72	YES	NO	NO	W02-2584	NO	180P	0.022	YES	4700P	L72-0536(MS3)	F10-1109	YES	10	22	15K	27K	4.3K	NO	3.9K	NO	NO

KRF-X9995D-S (X05-513X-XX)

DESTINATION		UNIT No.	A	C	F	B	A1	C25	C30, 31	C70, 71	C74, 92, 93	C77	C79, 80	CF1,2	E1	L2, 6, 7	R8	R11	R23	R25	R27, 28	R29	R72, 73	S1	W56	W82, 83, 87
COUNTRY	ABB.																									
GENERAL MARKET	M1	0-22			NO	YES	W02-2622	330P		NO	YES	YES	1500P	L72-0531(MA5)	F10-1108	NO	33	33	4.7K	18K	6.8K	YES	33K	YES	YES	YES
AUSTRALIA	X1	0-72			NO		W02-2622	330P	0.022	NO	YES	YES	1500P	L72-0531(MA5)	F10-1108	NO	33	33	4.7K	18K	6.8K	YES	33K	YES	YES	YES
U.K.	T1	2-72			YES	NO	W02-2584	180P		YES	NO	NO	4700P	L72-0536(MS3)	F10-1109	YES	10	22	15K	27K	4.3K	NO	3.9K	NO	NO	NO
EUROPE	E2	2-72			YES		W02-2584	180P		YES	NO	NO	4700P	L72-0536(MS3)	F10-1109	YES	10	22	15K	27K	4.3K	NO	3.9K	NO	NO	NO

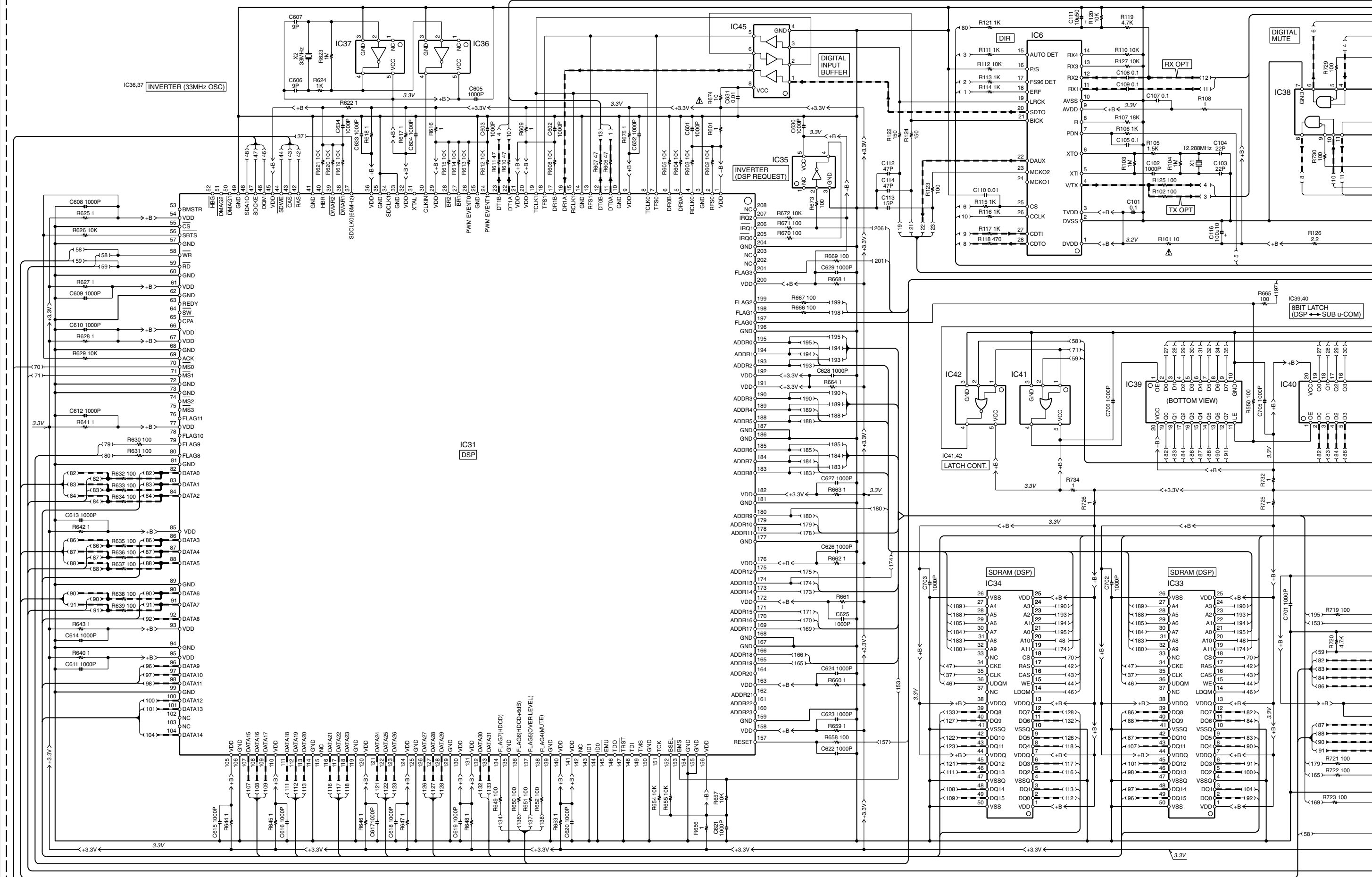
CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). Δ indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, 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 as the AM/FM signal generator is specified to the conditions as shown in the list below. The measurement value may vary depending on the measuring instruments used or on the product. The value shown in () is actual reading measured in the AM mode.

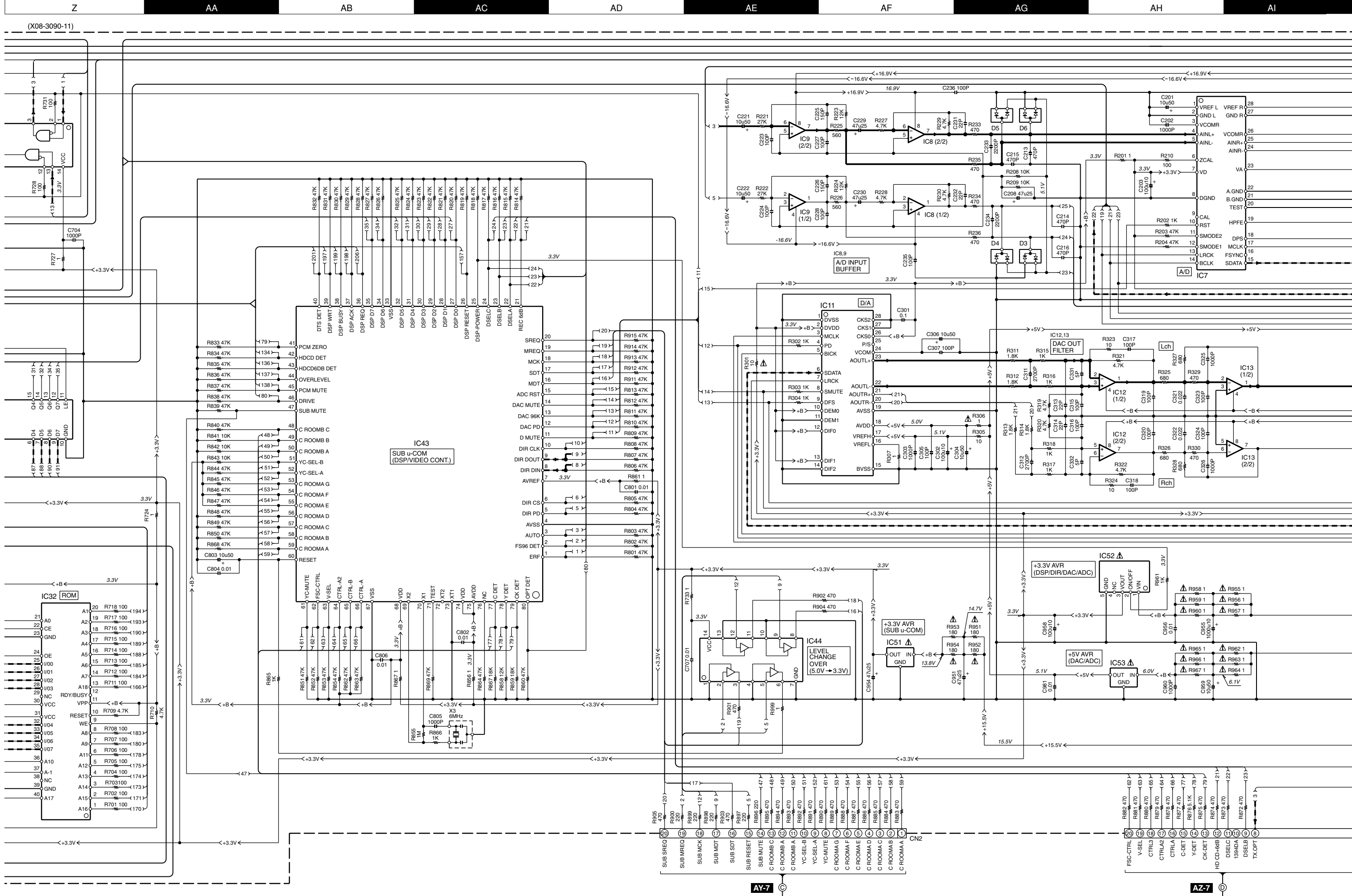
MODE	CARRIER	MODULATION		ANT INPUT
		FREQUENCY	DEVIATION	
FM	98MHz	1kHz	STEREO 67.5kHz 7.5kHz(Pilot)	60dB
AM	1000(999)kHz	400Hz	MONO 30% MOD	60dB

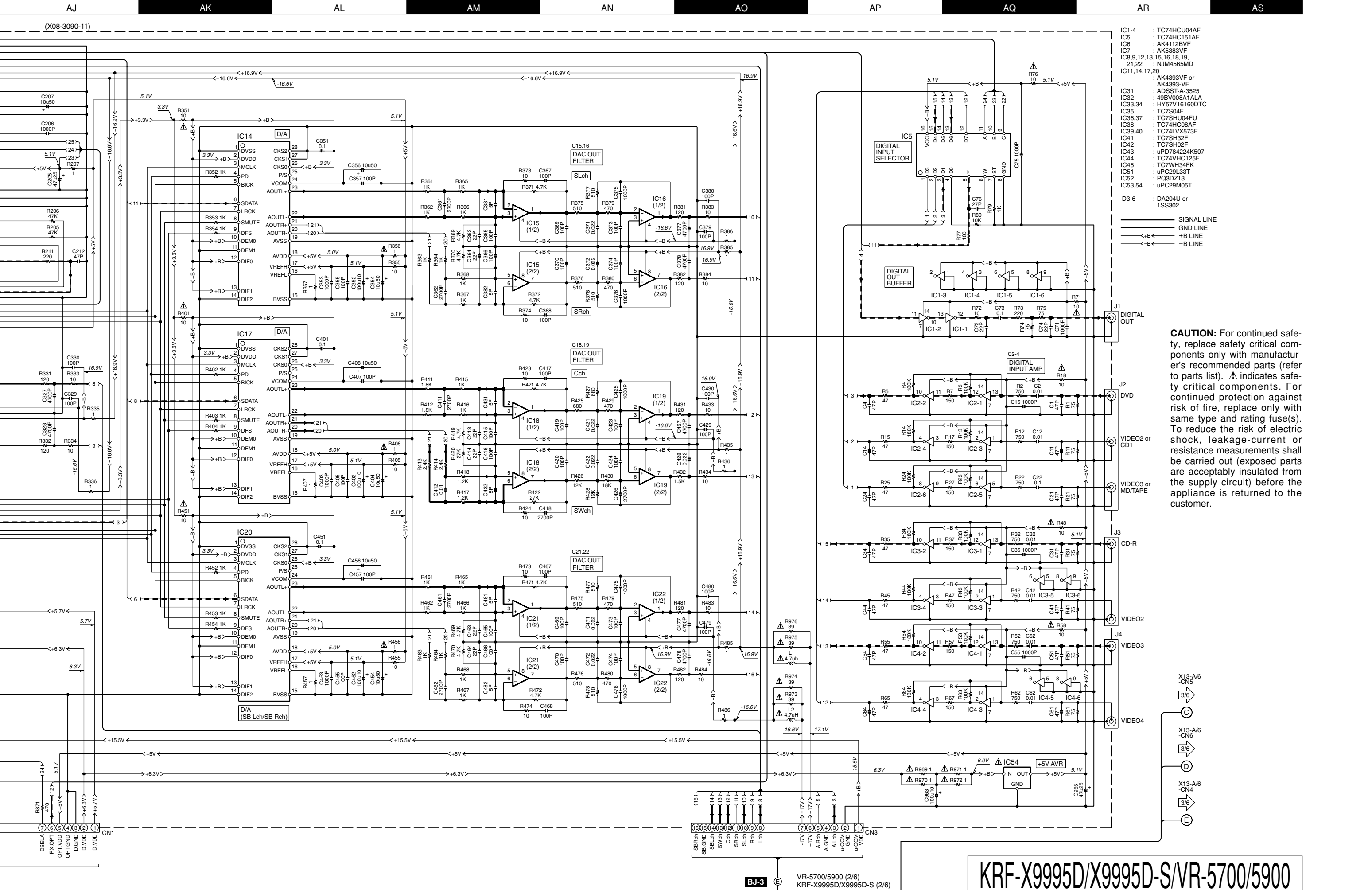
KRF-X9995D/X9995D-S/VR-5700/5900



The DC voltage is an actual reading measured with a high impedance type voltmeter with a cassette loaded at playback mode. The measurement value may vary depending on the measuring instruments used or on the product. Bias circuit DC voltage is measured while in the record mode.

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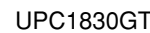
KRF-X9995D/X9995D-S/VR-5700/5900

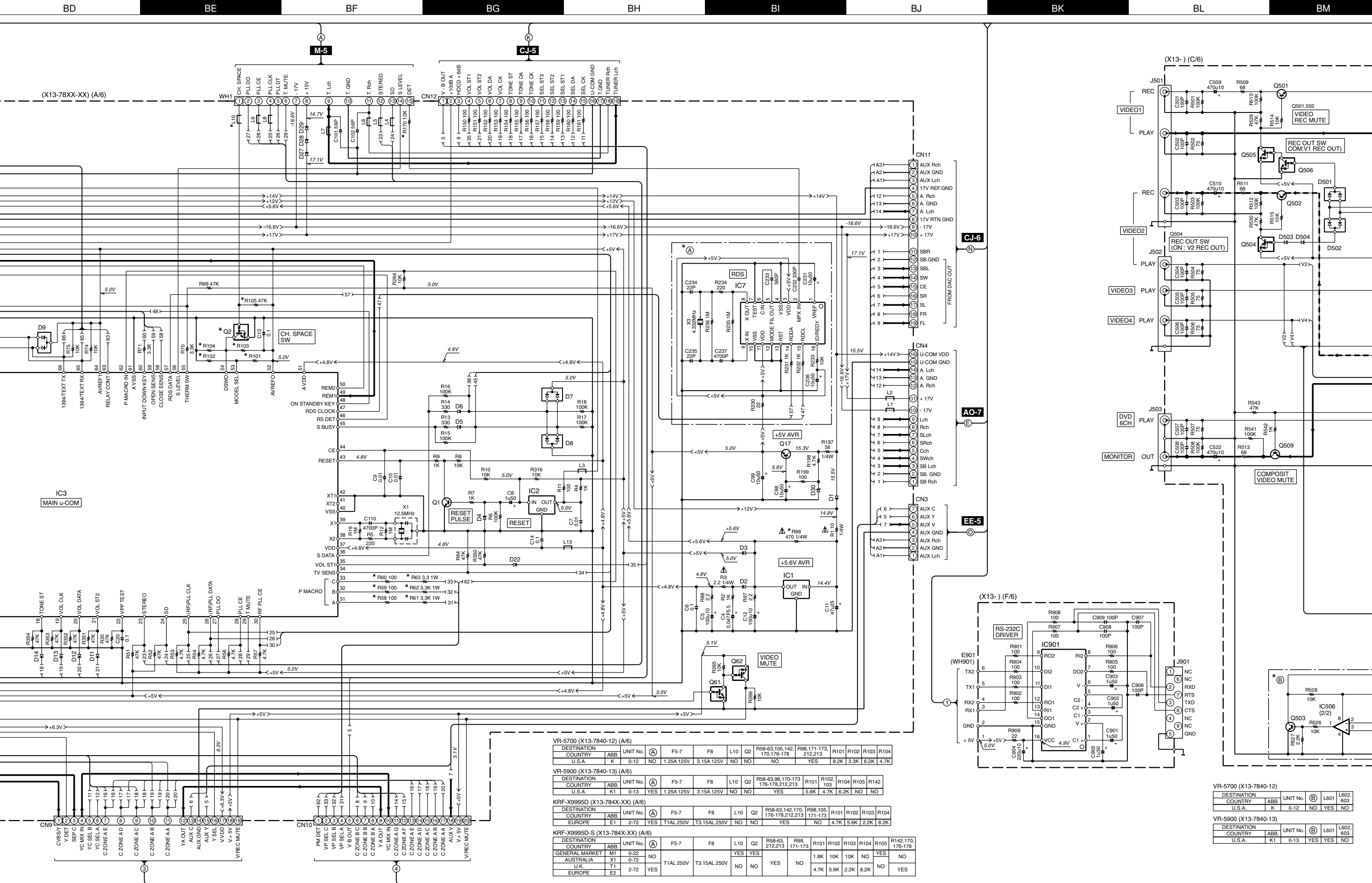
KENWOOD

Y05-4220-10

VR-5700/5900 (2/6)
KRF-X9995D/X9995D-S (2/6)

BJ-3



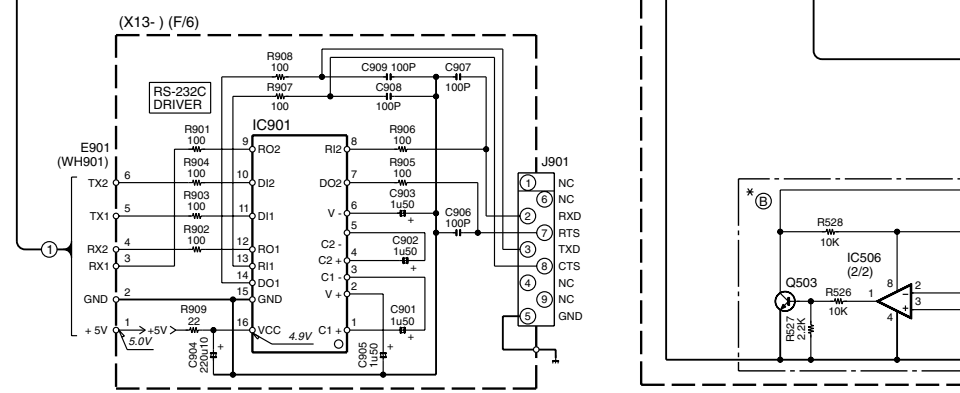


VR-5700 (X13-7840-12) (A/6)													
DESTINATION	UNIT No.	F5-7	F8	L10	Q2	R58-63,105,142,170,176-178	R98,171-173,212,213	R101	R102	R103	R104		
COUNTRY	ABB.	0-12	NO	1.25A 125V	3.15A 125V	NO	NO	NO	YES	8.2K	3.3K	6.2K	4.7K
U.S.A.	K	0-12	NO	1.25A 125V	3.15A 125V	NO	NO	NO	YES	8.2K	3.3K	6.2K	4.7K

VR-5900 (X13-7840-13) (A/6)													
DESTINATION	UNIT No.	F5-7	F8	L10	Q2	R58-63,98,170-173,176-178,212,213	R101	R102	R104	R105	R142		
COUNTRY	ABB.	0-13	YES	1.25A 125V	3.15A 125V	NO	NO	YES	5.6K	4.7K	6.2K	NO	NO
U.S.A.	K1	0-13	YES	1.25A 125V	3.15A 125V	NO	NO	YES	5.6K	4.7K	6.2K	NO	NO

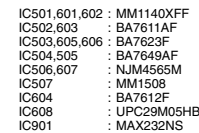
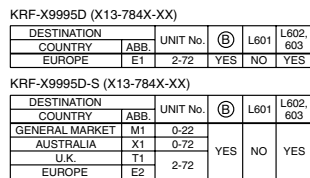
KRF-X9995D (X13-784X-XX) (A/6)													
DESTINATION	UNIT No.	F5-7	F8	L10	Q2	R58-63,142,170,176-178,212,213	R98,105,171-173	R101	R102	R103	R104		
COUNTRY	ABB.	2-72	YES	T1AL 250V	T3.15AL 250V	NO	NO	YES	NO	4.7K	5.6K	2.2K	8.2K
EUROPE	E1	2-72	YES	T1AL 250V	T3.15AL 250V	NO	NO	YES	NO	4.7K	5.6K	2.2K	8.2K

KRF-X9995D-S (X13-784X-XX) (A/6)													
DESTINATION	UNIT No.	F5-7	F8	L10	Q2	R58-63,212,213	R98,171-173	R101	R102	R103	R104	R105	R142,170,176-178
COUNTRY	ABB.	0-22	NO	YES	YES	YES	NO	1.8K	10K	10K	NO	YES	NO
GENERAL MARKET	M1	0-22	NO	YES	YES	YES	NO	1.8K	10K	10K	NO	YES	NO
AUSTRALIA	X1	0-72	NO	T1AL 250V	T3.15AL 250V	NO	NO	4.7K	5.6K	2.2K	8.2K	NO	YES
U.K.	T1	2-72	YES	T1AL 250V	T3.15AL 250V	NO	NO	4.7K	5.6K	2.2K	8.2K	NO	YES
EUROPE	E2	2-72	YES	T1AL 250V	T3.15AL 250V	NO	NO	4.7K	5.6K	2.2K	8.2K	NO	YES



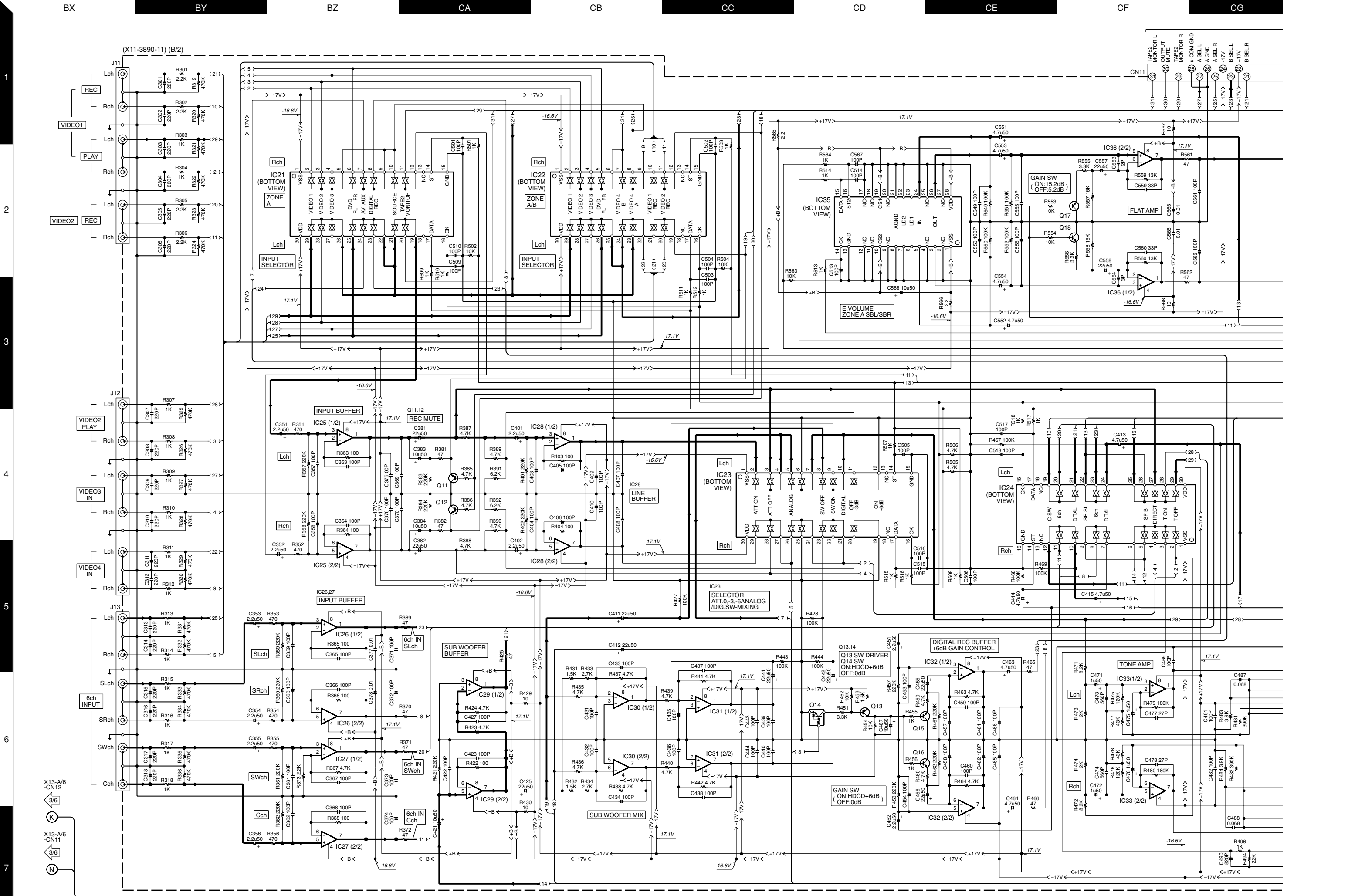
VR-5700 (X13-7840-12)													
DESTINATION	UNIT No.	F5-7	F8	L10	Q2	R58-63,105,142,170,176-178	R98,171-173,212,213	R101	R102	R103	R104		
COUNTRY	ABB.	0-12	NO	1.25A 125V	3.15A 125V	NO	NO	NO	YES	8.2K	3.3K	6.2K	4.7K
U.S.A.	K	0-12	NO	1.25A 125V	3.15A 125V	NO	NO	NO	YES	8.2K	3.3K	6.2K	4.7K

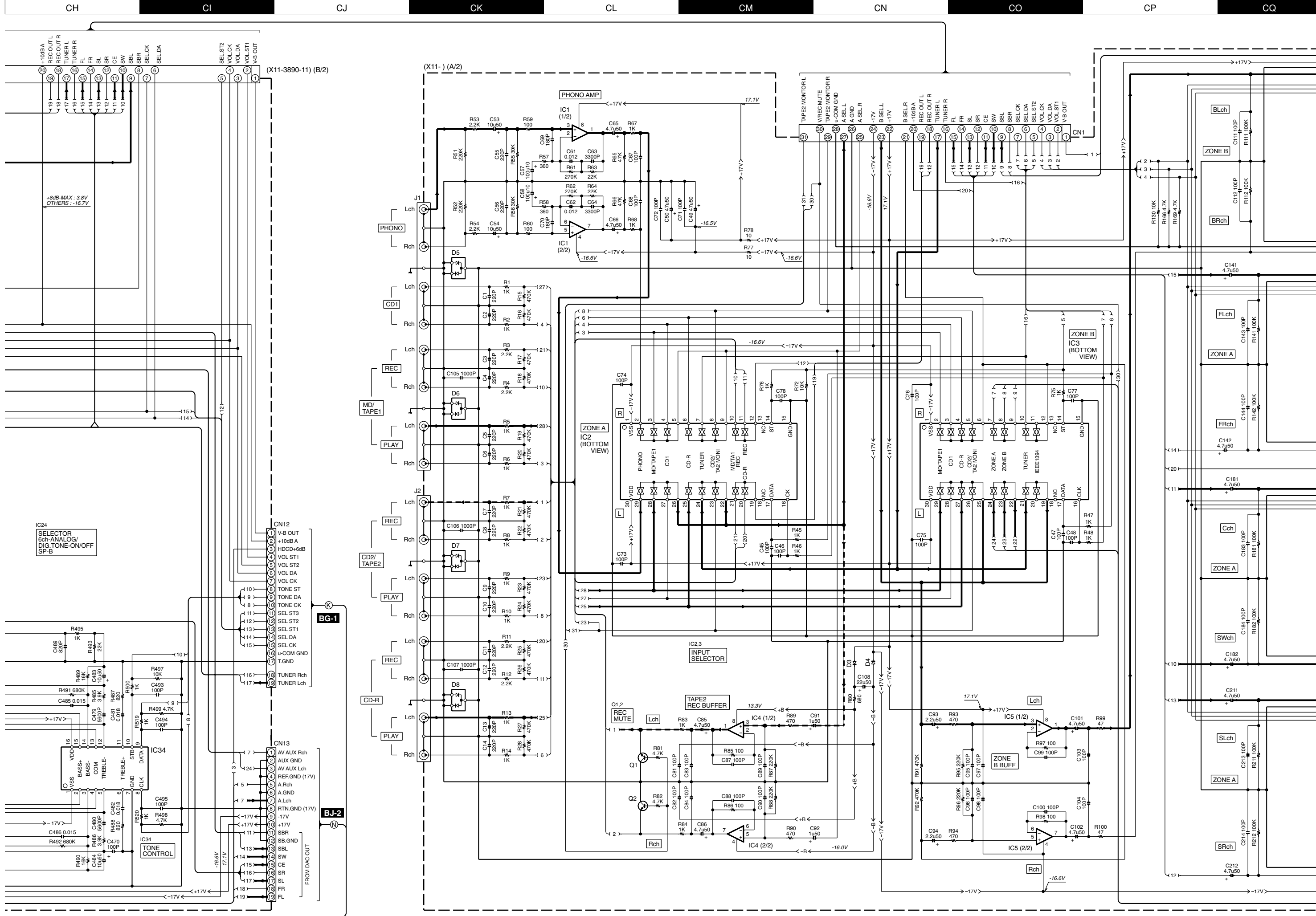
VR-5900 (X13-7840-13)													
DESTINATION	UNIT No.	F5-7	F8	L10	Q2	R58-63,98,170-173,176-178,212,213	R101	R102	R104	R105	R142		
COUNTRY	ABB.	0-13	YES	1.25A 125V	3.15A 125V	NO	NO	YES	5.6K	4.7K	6.2K	NO	NO
U.S.A.	K1	0-13	YES	1.25A 125V	3.15A 125V	NO	NO	YES	5.6K	4.7K	6.2K	NO	NO

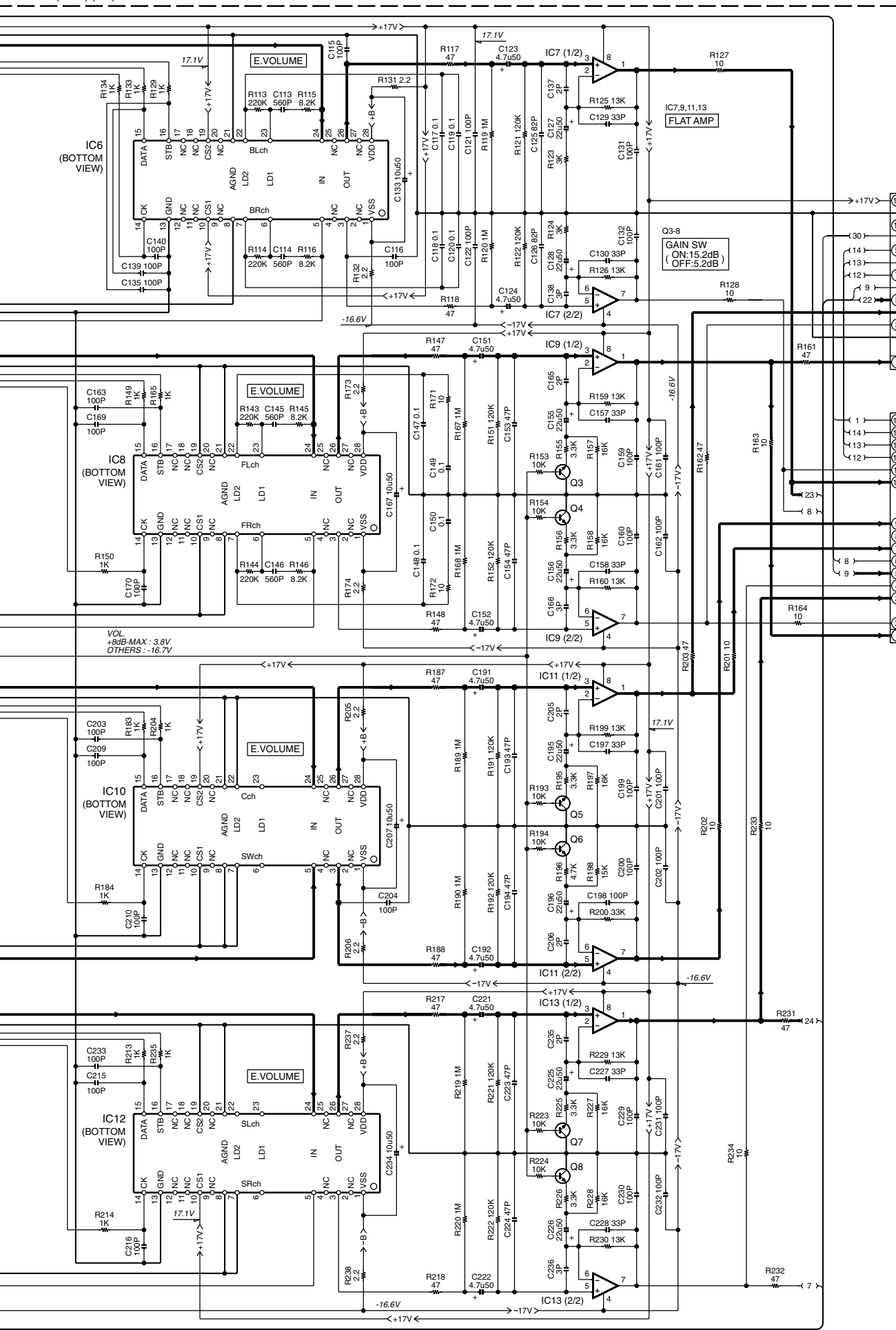


VR-5700/5900 (3/6)
KRF-X9995D/X9995D-S (3/6)

KENWOOD







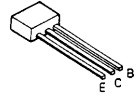
--- DIGITAL LINE
 --- SIGNAL LINE
 --- GND LINE
 --- +B LINE
 --- -B LINE

IC1 : NJM4580ED
 IC2,21 : NJU7312AM
 IC3,22,24 : NJU7313AM
 IC4,5,7,29-33,36 : NJM4565M
 IC6,8,10,12 : TC9459N
 IC9,11,13,25-28 : NJM4565MD
 IC23 : NJU7311AM
 IC34 : TC9184AP
 IC35 : TC9459N
 Q1-8,11,12,15-18 : 2SC2878 (B)
 Q13 : 2SA1576A (R,S) or 2SA1586 (Y,GR)
 Q14 : DTC124EUA or UN5212
 D3,4 : MA111
 D5-8 : DA204U or 1SS302

2SA1535A
2SC3944A



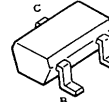
UN4212
UN4219



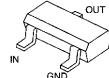
2SB1375
2SD2012



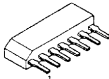
2SC4081
2SD1757K



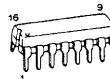
DTA124EUA
DTA143TUA
DTC124EUA



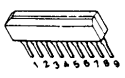
AN5560



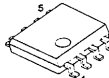
TC9184AP



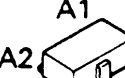
TA8409S



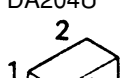
NJM4565M
NJM4565MD
NJM4580ED



DAN202U



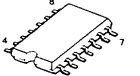
DAP202U
DA204U



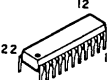
UN5212



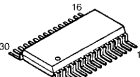
TC74HCT7007AF
TC74HCU04AF
TC74HC08AF
TC74VHC125F



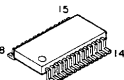
LC72131



NJU7311AM
NJU7312AM
NJU7313AM



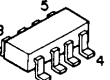
AK4393-VF



UPC29M05HB



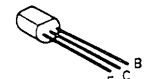
UPC1687G



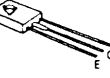
CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). Δ indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, 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 a cassette loaded at playback mode. The measurement value may vary depending on the measuring instruments used or on the product. Bias circuit DC voltage is measured while in the record mode.

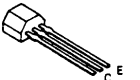
2SA1123
2SA992
2SC1845
2SC2003
2SC2631



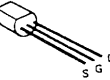
2SA1110



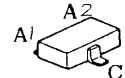
DTA143TSA
DTC124ESA
UN4116
2SA1048
2SC1740S



2SK246

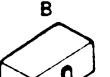


1SS301

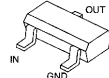


DTC143TUA
UN5116
UN5119
UN5216
2SA1576A
2SA1586

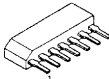
2SB1218A
2SC4116
2SD1819A



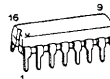
DTA124EUA
DTA143TUA
DTC124EUA



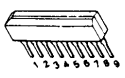
AN5560



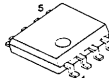
TC9184AP



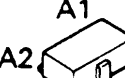
TA8409S



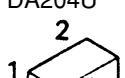
NJM4565M
NJM4565MD
NJM4580ED



DAN202U



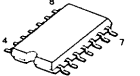
DAP202U
DA204U



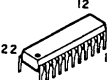
UN5212



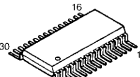
TC74HCT7007AF
TC74HCU04AF
TC74HC08AF
TC74VHC125F



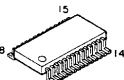
LC72131



NJU7311AM
NJU7312AM
NJU7313AM



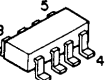
AK4393-VF



UPC29M05HB

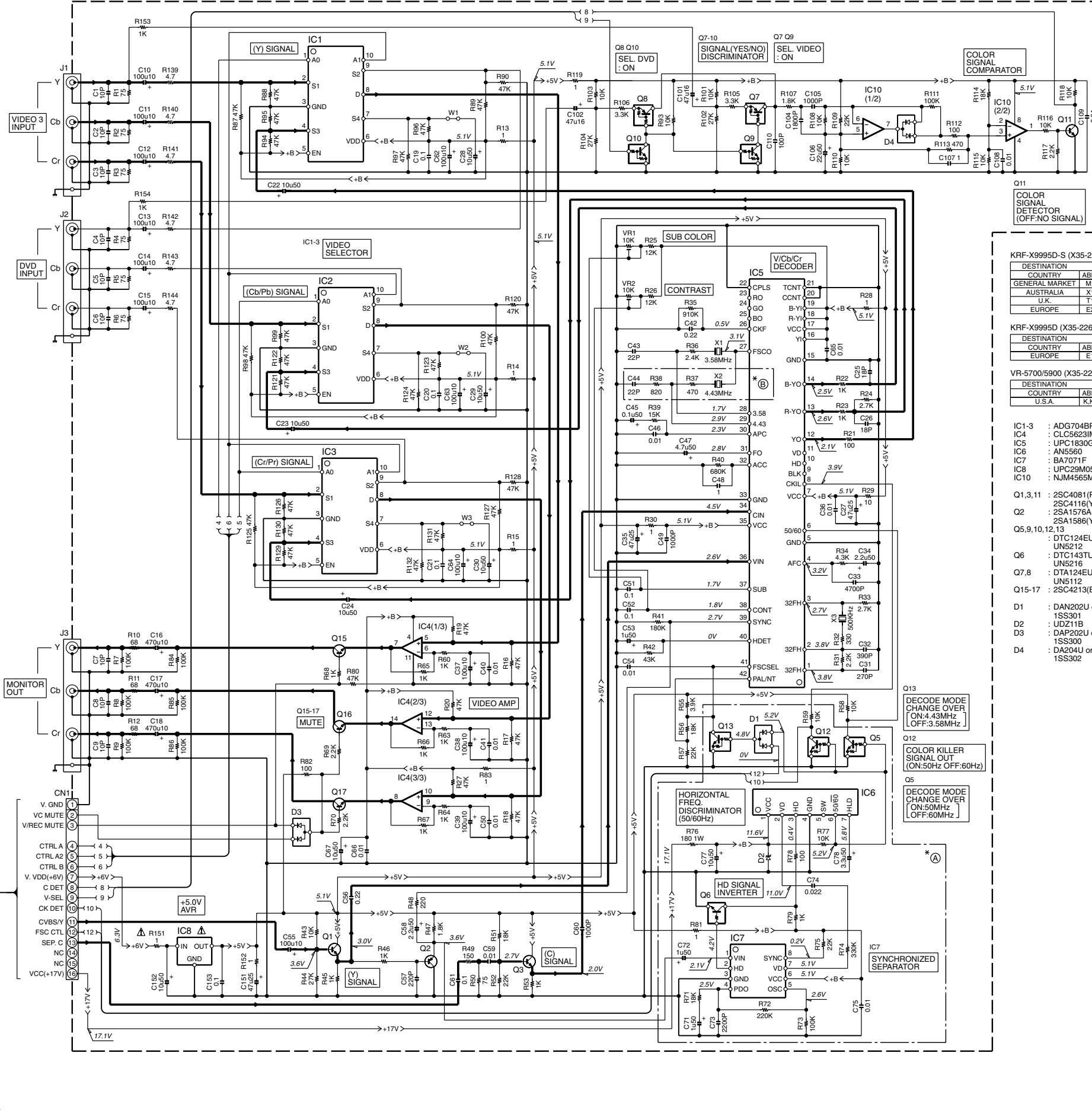


UPC1687G



KRF-X9995D/X9995D-S/VR-5700/5900

KENWOOD



KRF-X9995D-S (X35-2262-71)			
DESTINATION	ABB	UNIT No.	(A) (B)
COUNTRY	GENERAL MARKET	M1	
U.K.	X1	2-71	YES
U.K.	T1		
EUROPE	E2		

KRF-X9995D (X35-2262-71)			
DESTINATION	ABB	UNIT No.	(A) (B)
COUNTRY	GENERAL MARKET	M1	
U.K.	X1	2-71	YES
U.K.	T1		
EUROPE	E2		

VR-5700/5900 (X35-2260-10)			
DESTINATION	ABB	UNIT No.	(A) (B)
COUNTRY	GENERAL MARKET	M1	
U.S.A.	K.K.1	0-10	NO

IC1-3 : ADG7048RM
IC4 : CLC5623M
IC5 : UPC1830GT
IC6 : AN5560
IC7 : BA7071F
IC8 : UPC29M05HB
IC10 : NJM4565M

Q1,3,11 : 2SC4081(R,S) or
2SC4116(Y,GR)
Q2 : 2SA1576A(R,S) or
2SA1586(Y,GR)

Q5,9,10,12,13 : DTC124EUA or
UN5212
Q6 : DTC143TUA or
UN5216

Q7,8 : DTA124EUA or
UN5112
Q15-17 : 2SC4213(B)

D1 : DAN202U or
ISS301
D2 : UD211B
D3 : DAP202U or
ISS300
D4 : DA204U or
ISS302

Q13 : DECODE MODE
CHANGE OVER
ON:4.43MHz
OFF:3.58MHz

Q12 : COLOR KILLER
SIGNAL OUT
ON:50Hz OFF:60Hz

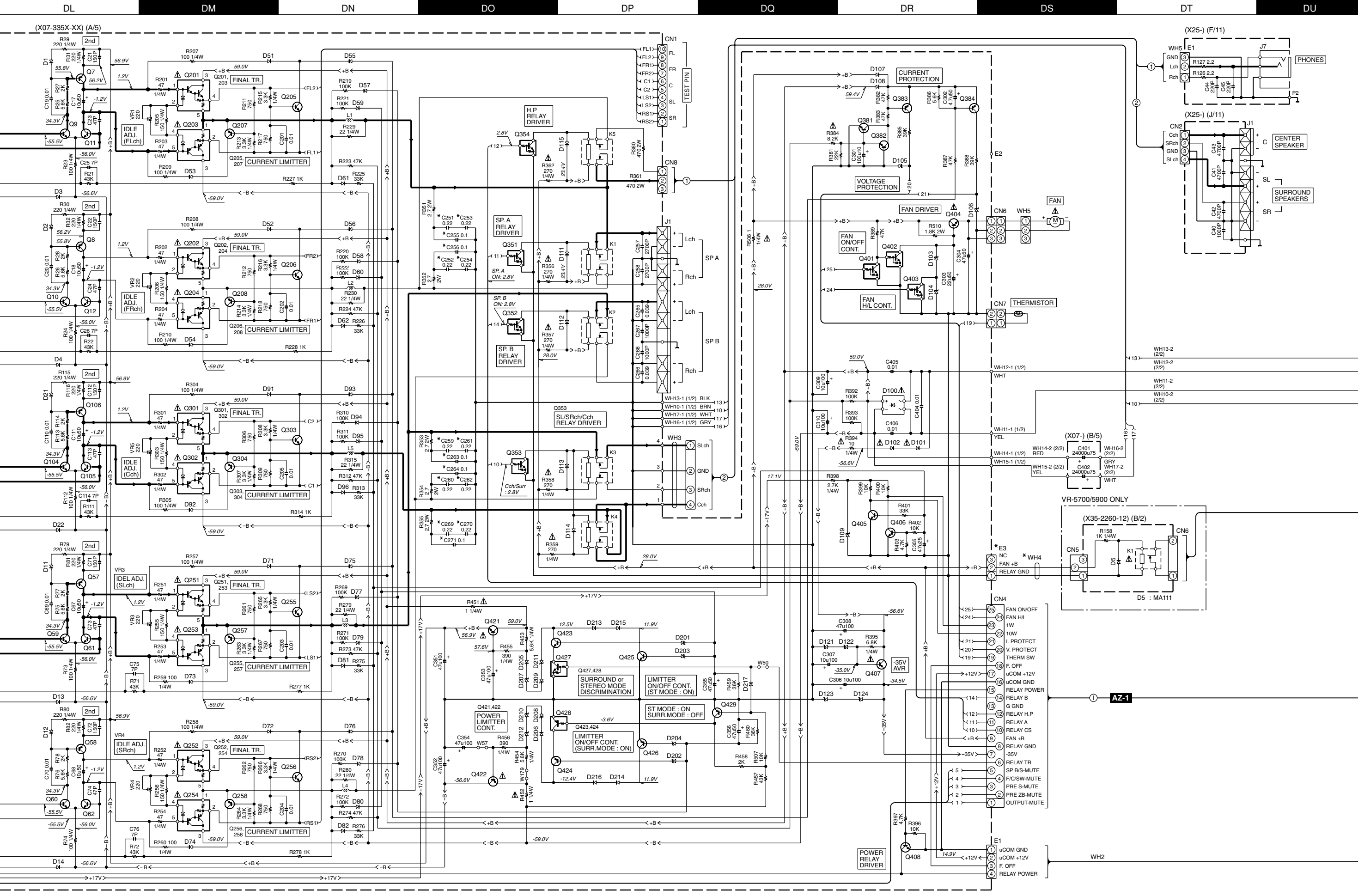
Q5 : DECODE MODE
CHANGE OVER
ON:50MHz
OFF:60MHz

CV-2

PRE S-MUTE
PRE ZB-MUTE
OUTPUT-MUTE
NC
GND
+17V

FLch
A GND
FRch
Cch
Srch
F/C/SW-MUTE

Q1,2,51,52,101
Q13
Q3
Q5
Q6
Q10
Q14
Q17
Q18
Q19
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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.

The DC voltage is an actual reading measured with a high impedance type voltmeter with a cassette loaded at playback mode. The measurement value may vary depending on the measuring instruments used or on the product. Bias circuit DC voltage is measured while in the record mode.

VR-5700/5900 (X07-3350-11)

DESTINATION	ABB.	UNIT No.	J2	WH1 21-27	WH4 28	F1	F2,3	S1	C251-254,259- 262,269,270,454	C255,256,263, 264,271,404
COUNTRY	K,K1	0-11	E03-0148-05	NO	YES	250V 12A	NO	NO	NO	YES
U.S.A.	K,K1	0-11	E03-0148-05	NO	YES	250V 12A	NO	NO	NO	YES

DESTINATION	ABB.	CN11	CN12, 33-36	CN31, 32	E3	W501-503	W508	R502	K6	T1
COUNTRY	K,K1	YES	NO	J13-0041-05	YES	YES	NO	YES	S76-0122-05	L07-2939-05
U.S.A.	K,K1	YES	NO	J13-0041-05	YES	YES	NO	YES	S76-0122-05	L07-2939-05

KRF-X9995D (X07-3352-72)

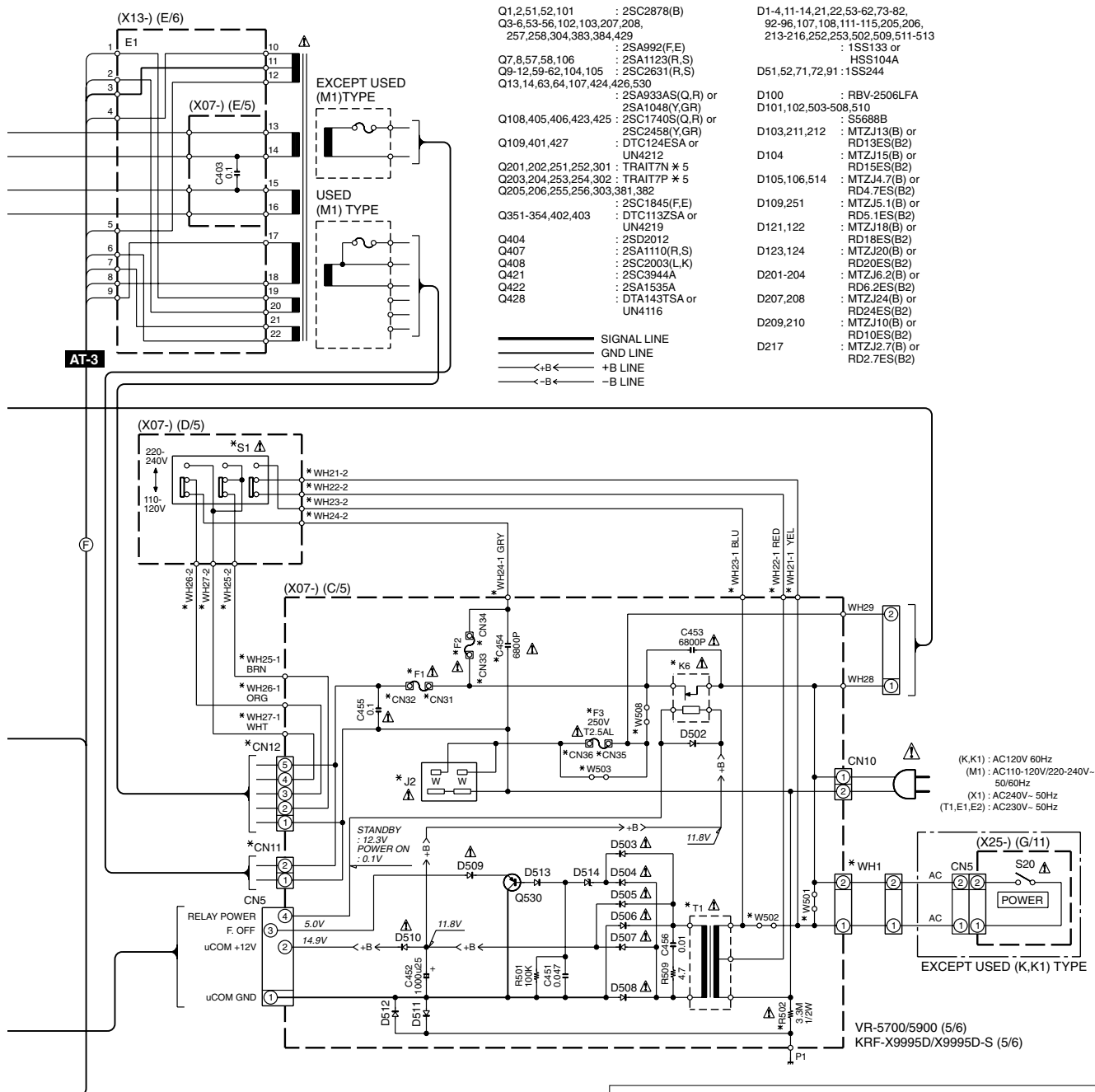
DESTINATION	ABB.	UNIT No.	J2	WH1 21-28	WH4 28	F1	F2	F3	S1	C251-254,259- 262,269,270	C255,256,263, 264,271,404,454
COUNTRY	E1	2-72	E03-0149-05	YES	NO	250V T5AL	NO	250V T2.5AL	NO	YES	NO
EUROPE	E1	2-72	E03-0149-05	YES	NO	250V T5AL	NO	250V T2.5AL	NO	YES	NO

DESTINATION	ABB.	CN11	CN12,33, 35,36	CN31, 34	E3	W501, 503	W502, 508	R502	K6	T1
COUNTRY	E1	YES	NO	J13-0075-05	NO	NO	YES	NO	S76-0106-05	L07-2936-05
EUROPE	E1	YES	NO	J13-0075-05	NO	NO	YES	NO	S76-0106-05	L07-2936-05

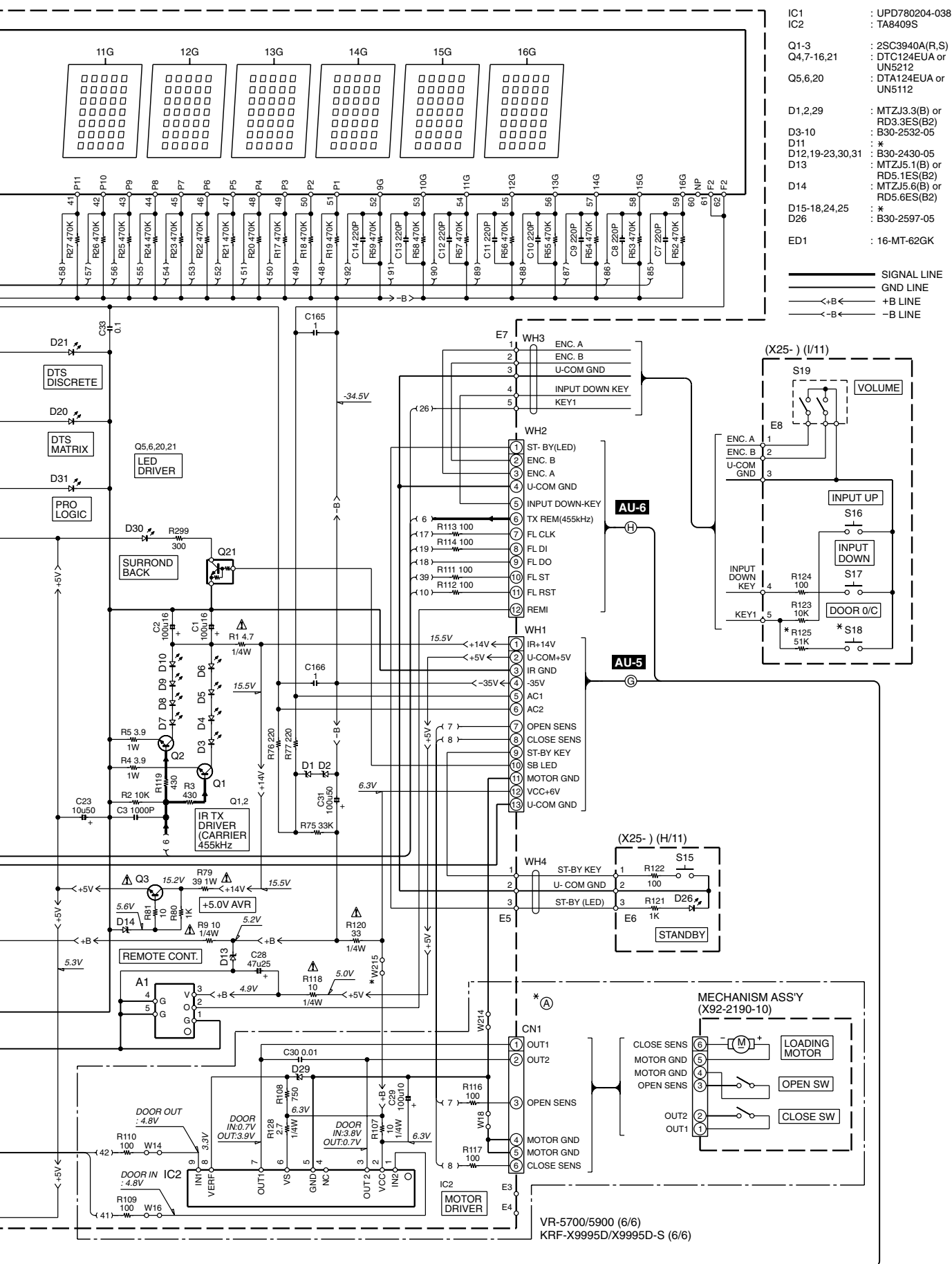
KRF-X9995D-S (X07-335X-XX)

DESTINATION	ABB.	UNIT No.	J2	WH1 28	WH21- 27	F1	F2	F3	S1	C251-254,259- 262,269,270	C255,256,263, 264,271,404	C454
COUNTRY	M1	0-22	E03-0149-05	YES	NO	250V T5AL	NO	NO	NO	YES	NO	YES
GENERAL MARKET	M1	0-22	E03-0149-05	YES	NO	250V T5AL	NO	NO	NO	YES	NO	YES
AUSTRALIA	X1	0-72	E03-0325-05	YES	NO	250V T5AL	NO	NO	NO	YES	NO	NO
U.K.	T1	0-51	E03-0310-05	YES	NO	250V T5AL	NO	NO	NO	YES	NO	NO
EUROPE	E2	2-72	E03-0149-05	YES	NO	250V T5AL	NO	NO	NO	YES	NO	NO

DESTINATION	ABB.	CN11	CN12, 33,34	CN31, 32	CN35, 36	E3	W501	W502	W503	W508	R502	K6	T1
COUNTRY	M1	NO	YES	J13-0075-05	NO	NO	NO	NO	NO	YES	NO	S76-0106-05	L07-2937-05
GENERAL MARKET	M1	NO	YES	J13-0075-05	NO	NO	NO	NO	NO	YES	NO	S76-0106-05	L07-2937-05
AUSTRALIA	X1	YES	NO	J13-0075-05	NO	NO	NO	NO	NO	YES	NO	S76-0106-05	L07-2936-05
U.K.	T1	YES	NO	J13-0075-05	NO	NO	NO	NO	NO	YES	NO	S76-0106-05	L07-2936-05
EUROPE	E2	YES	NO	J13-0075-05	NO	NO	NO	NO	NO	YES	NO	S76-0106-05	L07-2936-05





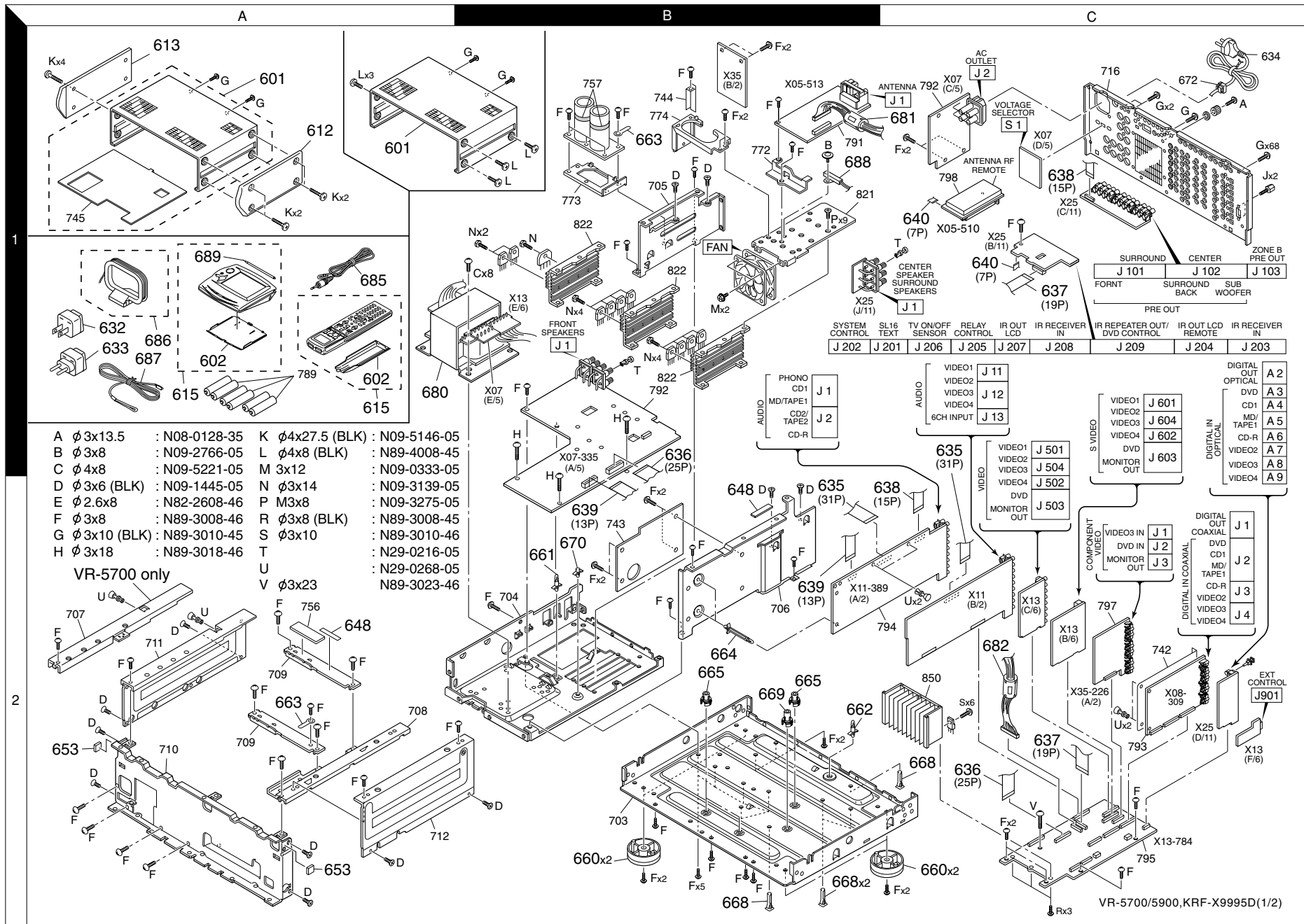


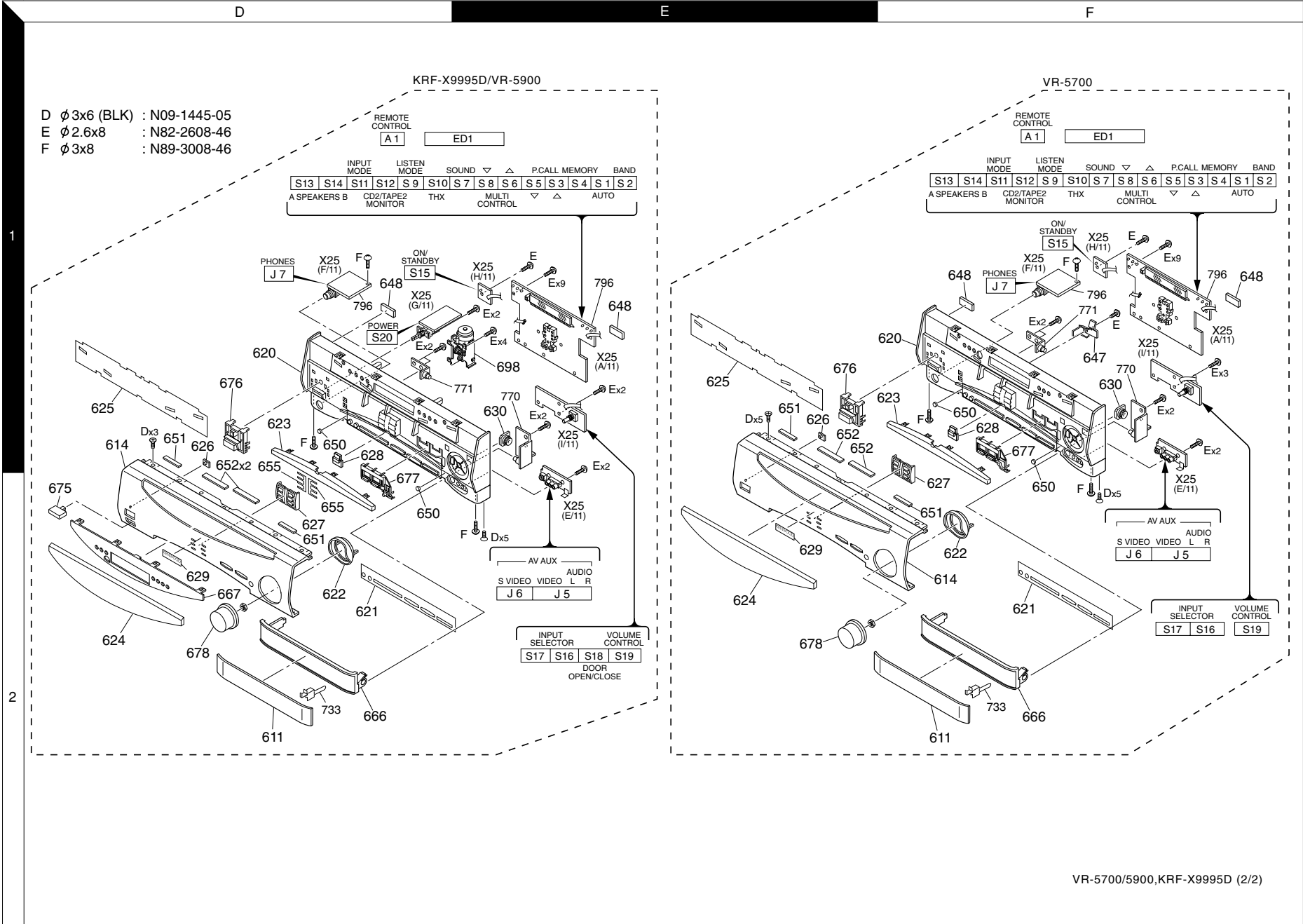
KRF-X9995D/X9995D-S/VR-5700/5900

EXPLODED VIEW (UNIT)

60

Parts with exploded numbers larger than 700 are not supplied.





EXPLODED VIEW (UNIT)

KRF-X9995D/X9995D-S/VR-5700/5900

* New Parts

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①

Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
KRF-X9995D/VR-5700/VR-5900						
601	1A	*	A01-3804-01	METALLIC CABINET	K	
601	1A	*	A01-3813-01	METALLIC CABINET ASSY	K1E1	
601	1A	*	A01-3814-01	METALLIC CABINET ASSY	M1X1	
601	1A	*	A01-3822-01	METALLIC CABINET ASSY	T1E2	
602	1A	*	A09-1166-08	BATTERY COVER	K	
602	1A	*	A09-1177-08	BATTERY COVER	K1E1M1	
602	1A	*	A09-1177-08	BATTERY COVER	X1T1E2	
611	2D	*	A29-1137-03	PANEL	M1X1	
611	2F	*	A29-1138-03	PANEL	K	
611	2D	*	A29-1139-03	PANEL	T1E2	
611	2D	*	A29-1140-03	PANEL	K1E1	
612	1A	*	A50-1344-02	SIDE PLATE R	M1X1	
613	1A	*	A50-1345-02	SIDE PLATE L	M1X1	
614	2F	*	A60-1964-02	PANEL	K	
614	1D	*	A60-1965-02	PANEL	K1	
614	1D	*	A60-2009-02	PANEL	E2	
614	1D	*	A60-2009-02	PANEL	M1X1T1	
614	1D	*	A60-2010-02	PANEL	E1	
615	1A	*	A70-1453-05	REMOTE CONTROL(RC-R0913)	K	
615	1A	*	A70-1456-05	REMOTE CONTROL(RC-R1111)	K1	
615	1A	*	A70-1457-05	REMOTE CONTROL(RC-R1012)	M1X1	
615	1A	*	A70-1458-05	REMOTE CONTROL(RC-R1013)	E1T1E2	
620	1D,1F	*	B01-0543-11	PANEL ESCUTCHEON	KK1E1	
620	1D	*	B01-0544-11	PANEL ESCUTCHEON	E2	
620	1D	*	B01-0544-11	PANEL ESCUTCHEON	M1X1T1	
621	2D,2F	*	B03-3874-03	DRESSING PLATE	KK1	
621	2D	*	B03-3875-03	DRESSING PLATE	E2	
621	2D	*	B03-3875-03	DRESSING PLATE	M1X1T1	
621	2D	*	B03-3877-03	DRESSING PLATE	E1	
622	2D	*	B07-2495-04	ESCUTCHEON	E2	
622	2D	*	B07-2495-04	ESCUTCHEON	M1X1T1	
622	2D,2F	*	B07-2496-04	ESCUTCHEON	KK1E1	
623	1D,1F	*	B10-3570-03	FRONT GLASS		
624	2E	*	B10-3639-02	FRONT GLASS	K	
624	2D	*	B10-3640-02	FRONT GLASS	K1E1M1	
624	2D	*	B10-3640-02	FRONT GLASS	X1T1E2	
625	1D	*	B11-1505-03	COLOR FILTER	K1E1M1	
625	1D	*	B11-1505-03	COLOR FILTER	X1T1E2	
625	1E	*	B11-1528-03	COLOR FILTER	K	
626	1D,1E	*	B12-0390-04	INDICATOR		
627	2D,2F	*	B12-0391-14	INDICATOR		
628	1D,1F	*	B12-0392-14	INDICATOR		
629	2D,2E	*	B43-0322-04	KENWOOD BADGE	KK1	
-		*	B46-0096-53	WARRANTY CARD	X1	
-		*	B46-0310-03	WARRANTY CARD	E1T1E2	
-		*	B46-0331-03	WARRANTY CARD	KK1	
-		*	B46-0347-03	WARRANTY CARD	KK1	
-		*	B46-0350-00	QUESTIONAIRE CARD	T1	
-		*	B46-0351-00	QUESTIONAIRE CARD	KK1	
-		*	B58-0945-03	CAUTION CARD	T1	
-		*	B58-0965-13	CAUTION CARD (PL)	X1T1	
-		*	B58-0966-13	CAUTION CARD (PL)	E1M1E2	

L : Scandinavia

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M : Other Areas

⚠ indicates safety critical components.

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②

Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
-			B58-0967-03	CAUTION CARD (PL)	KK1	
-		*	B60-4861-00	INSTRUCTION MANUAL(EN1)	K	
-		*	B60-4862-00	INSTRUCTION MANUAL(FR1)	K	
-		*	B60-4872-00	INSTRUCTION MANUAL(EN2)	K	
-		*	B60-4873-00	INSTRUCTION MANUAL(FR2)	K	
-		*	B60-4883-00	INSTRUCTION MANUAL(EN1)	K1	
-		*	B60-4884-00	INSTRUCTION MANUAL(FR1)	K1	
-		*	B60-4885-00	INSTRUCTION MANUAL(EN1)	M1X1T1	
-		*	B60-4886-00	INSTRUCTION MANUAL(FR1)	E2	
-		*	B60-4887-00	INSTRUCTION MANUAL(GE1)	E1E2	
-		*	B60-4888-00	INSTRUCTION MANUAL(NE1)	E2	
-		*	B60-4889-00	INSTRUCTION MANUAL(IT1)	E2	
-		*	B60-4890-00	INSTRUCTION MANUAL(ES1)	E2	
-		*	B60-4891-00	INSTRUCTION MANUAL(TC1)	M1	
-		*	B60-4892-00	INSTRUCTION MANUAL(AR1)	M1	
-		*	B60-5016-00	INSTRUCTION MANUAL(EN2)	K1	
-		*	B60-5017-00	INSTRUCTION MANUAL(FR2)	K1	
-		*	B60-5018-00	INSTRUCTION MANUAL(EN2)	M1X1T1	
-		*	B60-5019-00	INSTRUCTION MANUAL(FR2)	E2	
-		*	B60-5020-00	INSTRUCTION MANUAL(GE2)	E1E2	
-		*	B60-5021-00	INSTRUCTION MANUAL(NE2)	E2	
-		*	B60-5022-00	INSTRUCTION MANUAL(IT2)	E2	
-		*	B60-5023-00	INSTRUCTION MANUAL(ES2)	E2	
-		*	B60-5024-00	INSTRUCTION MANUAL(TC2)	M1	
-		*	B60-5025-00	INSTRUCTION MANUAL(AR2)	M1	
630	1E		D39-0334-15	DAMPER	K1E1M1	
630	1E		D39-0334-15	DAMPER	X1T1E2	
630	1F		D39-0347-05	DAMPER	K	
△ 632	1A	*	E03-0382-05	AC PLUG ADAPTER(WA-6)	M1	
△ 633	1A	*	E03-0383-05	AC PLUG ADAPTER(WA-9C)	M1	
△ 634	1C	*	E30-2790-05	AC POWER CORD	X1	
△ 634	1C	*	E30-2791-05	AC POWER CORD	T1	
△ 634	1C	*	E30-2943-05	AC POWER CORD	E1E2	
△ 634	1C	*	E30-7215-05	AC POWER CORD	KK1	
△ 634	1C	*	E30-7225-05	AC POWER CORD	M1	
635	2B,1C	*	E35-2757-05	FLAT CABLE 31P		
636	2B,2C	*	E35-2758-05	FLAT CABLE 25P		
637	1C,2C	*	E35-2759-05	FLAT CABLE 19P		
638	1C,2C	*	E35-2760-05	FLAT CABLE 15P		
639	2B	*	E35-2761-05	FLAT CABLE 13P		
640	1C	*	E35-2762-05	FLAT CABLE 7P	KK1	
647	1F		G02-1701-04	FLAT SPRING	K	
648	1D,1E		G10-0541-04	NON-WOVEN FABRIC,10X50		
650	1D,1F		G11-2719-04	CUSHION DOOR		
651	1D,1F		G11-2730-04	SOFT TAPE		
652	1D,1E		G11-2731-04	SOFT TAPE BRIDGE		
653	2A		G11-2743-14	CUSHION SUB PANEL	KK1E1	
653	2A		G11-2743-14	CUSHION SUB PANEL	T1E2	
655	1D,2D		G11-2762-04	CUSHION INDICATOR	K1E1M1	
655	1D,2D		G11-2762-04	CUSHION INDICATOR	X1T1E2	
-		*	H10-7638-22	POLYSTYRENE FOAMED FIXTURE,L	M1X1	
-		*	H10-7639-22	POLYSTYRENE FOAMED FIXTURE,R	M1X1	
-		*	H10-7664-12	POLYSTYRENE FOAMED FIXTURE,RC	K1E1M1	
-		*	H10-7664-12	POLYSTYRENE FOAMED FIXTURE,RC	X1T1E2	

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③

Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
-		*	H10-7755-12	POLYSTYRENE FOAMED FIXTURE,L	KK1E1	
-		*	H10-7755-12	POLYSTYRENE FOAMED FIXTURE,L	T1E2	
-		*	H10-7756-12	POLYSTYRENE FOAMED FIXTURE,R	KK1E1	
-		*	H10-7756-12	POLYSTYRENE FOAMED FIXTURE,R	T1E2	
-		*	H11-0099-04	POLYSTYRENE FOAMED BOARD	E1M1X1	
-			H11-0099-04	POLYSTYRENE FOAMED BOARD	T1E2	
-			H12-3440-04	PACKING FIXTURE	K1E1M1	
-			H12-3440-04	PACKING FIXTURE	X1T1E2	
-		*	H12-3527-04	PACKING FIXTURE	KK1E1	
-		*	H12-3527-04	PACKING FIXTURE	T1E2	
-		*	H13-0050-04	CARTON BOARD	M1E2	
-		*	H13-0330-14	CARTON BOARD	K	
-		*	H13-0342-04	CARTON BOARD	K	
-		*	H13-0343-04	CARTON BOARD	K1	
-		*	H20-0617-04	PROTECTION COVER	M1	
-		*	H21-0388-04	PROTECTION SHEET	E2	
-		*	H21-0388-04	PROTECTION SHEET	M1X1T1	
-		*	H25-0232-04	PROTECTION BAG (235X350X0.03)	KK1E1	
-		*	H25-0232-04	PROTECTION BAG (235X350X0.03)	X1	
-		*	H25-0632-24	PROTECTION BAG	M1E2	
-			H25-0651-04	PROTECTION BAG	T1	
-			H25-0692-04	PROTECTION BAG	KK1E1	
-			H25-0692-04	PROTECTION BAG	T1E2	
-			H25-1671-04	PROTECTION BAG	X1	
-		*	H50-3946-04	ITEM CARTON CASE	K	
-		*	H50-3947-04	ITEM CARTON CASE	K1	
-		*	H50-3948-04	ITEM CARTON CASE	M1	
-		*	H50-3949-04	ITEM CARTON CASE	X1	
-		*	H50-4075-04	ITEM CARTON CASE	E1	
-		*	H50-4171-04	ITEM CARTON CASE	E2	
-		*	H50-4172-04	ITEM CARTON CASE	T1	
660	2B,2C		J02-1467-03	FOOT (D=60,H=21.5)		
661	2B		J19-5910-05	UNIT HOLDER X07,H=8.4		
662	2B		J19-5911-05	UNIT HOLDER X07,H=11.6		
663	2A,1B		J19-0306-05	LEAD HOLDER ELECTRO-C		
664	2B		J19-5919-05	UNIT HOLDER X11,H=36.8		
665	2B		J19-6002-04	UNIT HOLDER X07		
666	2D		J19-6053-12	HOLDER DOOR	E2	
666	2D		J19-6053-12	HOLDER DOOR	M1X1T1	
666	2D,2F		J19-6068-12	HOLDER DOOR	KK1E1	
667	2D	*	J19-6181-02	HOLDER	K1E1M1	
667	2D	*	J19-6181-02	HOLDER	X1T1E2	
668	2B,2C	*	J19-6163-05	HOLDER H=16		
669	2B	*	J19-6203-04	UNIT HOLDER H=16.4		
670	2B	*	J19-6080-05	UNIT HOLDER X07,FAN		
△ 672	1C	*	J42-0083-05	POWER CORD BUSHING	X1T1	
△ 672	1C		J42-0157-05	POWER CORD BUSHING	KK1E1	
△ 672	1C		J42-0157-05	POWER CORD BUSHING	M1E2	
-			J61-0307-05	WIRE BAND		
675	2D		K27-2388-04	KNOB (BUTTON)	E2	
675	2D		K27-2388-04	KNOB (BUTTON)	M1X1T1	
675	2D		K27-2398-04	KNOB (BUTTON)	E1	
676	1D		K29-7727-04	KNOB	E2	
676	1D		K29-7727-04	KNOB	M1X1T1	

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676	1D,1E		K29-7729-04	KNOB	KK1E1	
677	2D		K29-7728-13	KNOB	E2	
677	2D		K29-7728-13	KNOB	M1X1T1	
677	1F		K29-7740-13	KNOB	K	
677	2D	*	K29-7953-03	KNOB	K1E1	
678	2D	*	K29-7742-04	KNOB	E2	
678	2D	*	K29-7742-04	KNOB	M1X1T1	
678	2D,2E	*	K29-7743-04	KNOB	KK1E1	
△ 680	1A	*	L07-2946-05	POWER TRANSFORMER	KK1	
△ 680	1A	*	L07-2947-05	POWER TRANSFORMER	E1T1E2	
△ 680	1A	*	L07-2948-05	POWER TRANSFORMER	M1	
△ 680	1A	*	L07-2949-05	POWER TRANSFORMER	X1	
681	1B	*	L92-0533-05	FERRITE CORE LARGE		
682	2C	*	L92-0531-05	FERRITE CORE SMALL		
685	1A		T90-0850-05	ANTENNA ASSY	KK1	
686	1A		T90-0852-05	LOOP ANTENNA		
687	1A		T90-0855-05	LEAD WIRE ANTENNA		
688	1B	*	DP40203SG270	THERMISTOR		
689	1A		W01-0976-08	PEN	E1E2T1	
689	1A		W01-0976-08	PEN	K1M1X1	
698	1E		X92-2190-10	MECHANISM ASSY	K1E1M1	
698	1E		X92-2190-10	MECHANISM ASSY	X1T1E2	
RF-RC (X05-5100-11) U.S.A only						
C1 ,2			CC73GCH1H100D	CHIP C	10PF	D
C5			CK73GB1E223K	CHIP C	0.022UF	K
C6			CC73GCH1H221J	CHIP C	220PF	J
C7			CC73GCH1H100D	CHIP C	10PF	D
C8			CK73GB1H102K	CHIP C	1000PF	K
C9			C93-0037-05	CERAMIC	10UF	10WV
C10			CK73GB1H102K	CHIP C	1000PF	K
C11			CC73GCH1H040C	CHIP C	4.0PF	C
C12			CC73GCH1H100D	CHIP C	10PF	D
C13			CC73GCH1H040C	CHIP C	4.0PF	C
C14			CC73GCH1H010C	CHIP C	1.0PF	C
C15			CC73GCH1H050C	CHIP C	5.0PF	C
C16			CK73GB1E223K	CHIP C	0.022UF	K
C17			CC73GCH1H221J	CHIP C	220PF	J
C18			CC73GCH1H100D	CHIP C	10PF	D
C19			CC73GCH1H471J	CHIP C	470PF	J
C20			C93-0037-05	CERAMIC	10UF	10WV
C21			CK73GB1H102K	CHIP C	1000PF	K
C22 ,23			CC73GCH1H150J	CHIP C	15PF	J
C24			CK73GB1H102K	CHIP C	1000PF	K
C25			CK73GB1E103K	CHIP C	0.010UF	K
C26			CK73GF1A474Z	CHIP C	0.47UF	Z
C27			C93-0036-05	CHIP-C	4.7UF	Z
C28			CK73GB1E103K	CHIP C	0.010UF	K
C29			CC73GCH1H101J	CHIP C	100PF	J
C30			CK73GB1E103K	CHIP C	0.010UF	K
C31			C93-0037-05	CERAMIC	10UF	10WV
C32			CK73GB1C473K	CHIP C	0.047UF	K
C33			C93-0036-05	CHIP-C	4.7UF	Z

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Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
C34			CC73GCH1H471J	CHIP C 470PF J		
C35			CK73GB1E103K	CHIP C 0.010UF K		
C36			CK73GF1C224Z	CHIP C 0.22UF Z		
C37			CC73GCH1H100D	CHIP C 10PF D		
C38			CK73GB1H472K	CHIP C 4700PF K		
C39			CC73GCH1H331J	CHIP C 330PF J		
C40			CK73GB1E103K	CHIP C 0.010UF K		
C41			C93-0036-05	CHIP-C 4.7UF Z		
C42			C93-0037-05	CERAMIC 10UF 10WV		
C43			C93-0039-05	CERAMIC 22UF 10WV		
CN1			E40-8530-05	FLAT CABLE CONNECTOR		
J1			E11-0904-05	MINIATURE PHONE JACK(STEREO MI)		
CF1			L72-0626-05	CERAMIC FILTER		
L1		*	L79-1269-05	LC FILTER		
L2			L40-1585-67	SMALL FIXED INDUCTOR(150N,J,20)		
L3			L32-1021-05	FM OSCILLATING COIL		
L4			L40-1085-67	SMALL FIXED INDUCTOR(100N,J,20)		
X1			L77-2274-05	CRYSTAL RESONATOR		
R1			RK73GB1J431J	CHIP R 430 J 1/16W		
R2			RK73GB1J120J	CHIP R 12 J 1/16W		
R3			RK73GB1J431J	CHIP R 430 J 1/16W		
R10			RK73GB1J331J	CHIP R 330 J 1/16W		
R11			RK73GB1J391J	CHIP R 390 J 1/16W		
R12			RK73GB1J100J	CHIP R 10 J 1/16W		
R13			RK73GB1J470J	CHIP R 47 J 1/16W		
R14			RK73GB1J473J	CHIP R 47K J 1/16W		
R15			RK73GB1J2R2J	CHIP R 2.2 J 1/16W		
R16			RK73GB1J100J	CHIP R 10 J 1/16W		
R17			RK73GB1J101J	CHIP R 100 J 1/16W		
R18			RK73GB1J184J	CHIP R 180K J 1/16W		
R19			RK73GB1J471J	CHIP R 470 J 1/16W		
R20 ,21			RK73GB1J100J	CHIP R 10 J 1/16W		
R22 -24			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R25			RK73GB1J472J	CHIP R 4.7K J 1/16W		
R26			RK73GB1J101J	CHIP R 100 J 1/16W		
R27			RK73GB1J152J	CHIP R 1.5K J 1/16W		
R28			RK73GB1J681J	CHIP R 680 J 1/16W		
R29 -31			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R32			RK73GB1J152J	CHIP R 1.5K J 1/16W		
R33			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R34 ,35			RK73GB1J222J	CHIP R 2.2K J 1/16W		
R36 ,37			RK73GB1J101J	CHIP R 100 J 1/16W		
R38			RK73GB1J222J	CHIP R 2.2K J 1/16W		
R39			RK73GB1J472J	CHIP R 4.7K J 1/16W		
R40			RK73GB1J104J	CHIP R 100K J 1/16W		
R41			RK73GB1J472J	CHIP R 4.7K J 1/16W		
R42			RK73GB1J101J	CHIP R 100 J 1/16W		
R43 ,44			RK73GB1J103J	CHIP R 10K J 1/16W		
R45			RK73GB1J105J	CHIP R 1.0M J 1/16W		
R46			RK73GB1J562J	CHIP R 5.6K J 1/16W		
R47 -49			RK73GB1J472J	CHIP R 4.7K J 1/16W		
R50			RK73GB1J101J	CHIP R 100 J 1/16W		
R51			RK73GB1J473J	CHIP R 47K J 1/16W		

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R52			RK73GB1J103J	CHIP R 10K J 1/16W		
R53			RK73GB1J472J	CHIP R 4.7K J 1/16W		
R54			RK73GB1J101J	CHIP R 100 J 1/16W		
D1 ,2			MA111	DIODE		
D3			KV1832E	VARIABLE CAPACITANCE DIODE		
D4			MA111	DIODE		
IC1			UPC1687G	ANALOGUE IC		
IC2			LV2105V	MOS-IC		
IC3			UPC2748T-E3	ANALOGUE IC		
Q3			2SC5065(O,Y)	TRANSISTOR		
Q4 -6			2SC4178(F13,14	TRANSISTOR		
Q7			2SA1576A(R,S)	TRANSISTOR		
Q7			2SB1218A(Q,R)	TRANSISTOR		
Q8 -10			2SC4081(R,S)	TRANSISTOR		
Q8 -10			2SD1819A(Q,R)	TRANSISTOR		
Q11 ,12			2SA1576A(R,S)	TRANSISTOR		
Q11 ,12			2SB1218A(Q,R)	TRANSISTOR		
TUNER (X05-5130-13)						
C1			CK73FB1H332K	CHIP C 3300PF K		
C2			CK73FB1H103K	CHIP C 0.010UF K	E2	
C2			CK73FB1H103K	CHIP C 0.010UF K	K1E1T1	
C3			CK73FB1H103K	CHIP C 0.010UF K		
C5 ,6			CK73FB1H103K	CHIP C 0.010UF K		
C7			CE04KW1C470M	ELECTRO 47UF 16WV		
C10			CE04KW1C470M	ELECTRO 47UF 16WV		
C11 ,12			CK73FB1H473K	CHIP C 0.047UF K		
C14			CE04KW1H100M	ELECTRO 10UF 50WV		
C15			CE04KW1H010M	ELECTRO 1.0UF 50WV		
C16			CE04RW1HR47M	ELECTRO 0.47UF 50WV		
C17			CE04KW1H010M	ELECTRO 1.0UF 50WV		
C18			CC73FCH1H470J	CHIP C 47PF J		
C19			CE04RW1A100M	ELECTRO 10UF 10WV		
C20			CK73FB1H473K	CHIP C 0.047UF K		
C21			CE04RW1V3R3M	ELECTRO 3.3UF 35WV		
C22			CK73FB1H473K	CHIP C 0.047UF K		
C23			CE04KW1H100M	ELECTRO 10UF 50WV		
C24			CC73FCH1H331J	CHIP C 330PF J		
C25			CC73FCH1H181J	CHIP C 180PF J	KK1E1	
C25			CC73FCH1H181J	CHIP C 180PF J	T1E2	
C25			CC73FCH1H331J	CHIP C 330PF J	M1X1	
C26			CK73FB1H183K	CHIP C 0.018UF K		
C27			CE04HW1E4R7M	NP-ELEC 4.7UF 25WV		
C28 ,29			CE04KW1H2R2M	ELECTRO 2.2UF 50WV		
C30 ,31			CK73FB1H223K	CHIP C 0.022UF K	E1M1X1	
C30 ,31			CK73FB1H223K	CHIP C 0.022UF K	T1E2	
C30 ,31			CK73FB1H333K	CHIP C 0.033UF K	KK1	
C32			CE04KW1H4R7M	ELECTRO 4.7UF 50WV		
C33 ,34			CK73FB1H103K	CHIP C 0.010UF K	M1	
C36			CK73FB1H103K	CHIP C 0.010UF K		
C37 ,38			CE04KW1H100M	ELECTRO 10UF 50WV		
C41			CC73FCH1H470J	CHIP C 47PF J		
C42			CC73FCH1H270J	CHIP C 27PF J		
C43			CC73FCH1H220J	CHIP C 22PF J		
C44			CC73FCH1H471J	CHIP C 470PF J		

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C45			CC73FCH1H220J	CHIP C 22PF J		
C46			CE04KW1H100M	ELECTRO 10UF 50WV		
C47			CK73FB1H102K	CHIP C 1000PF K		
C48			CE04KW1C470M	ELECTRO 47UF 16WV		
C49			CE04KW1H2R2M	ELECTRO 2.2UF 50WV		
C50			CC73FCH1H101J	CHIP C 100PF J		
C51			CC73FCH1H471J	CHIP C 470PF J		
C52			CC73FCH1H101J	CHIP C 100PF J		
C70 ,71			CK73FB1H822K	CHIP C 8200PF K	E1T1E2	
C72			CE04KW1H010M	ELECTRO 1.0UF 50WV		
C73			CE04KW1C470M	ELECTRO 47UF 16WV		
C74			CK73FB1H102K	CHIP C 1000PF K	KK1M1	
C74			CK73FB1H102K	CHIP C 1000PF K	X1	
C75			CC73FCH1H030C	CHIP C 3.0PF C		
C76			CC73FCH1H470J	CHIP C 47PF J		
C77			CC73FCH1H101J	CHIP C 100PF J	M1	
C78			CK73FB1H223K	CHIP C 0.022UF K		
C79 ,80			CK73FB1H102K	CHIP C 1000PF K	KK1	
C79 ,80			CK73FB1H122K	CHIP C 1200PF K	X1	
C79 ,80			CK73FB1H152K	CHIP C 1500PF K	M1	
C79 ,80			CK73FB1H472K	CHIP C 4700PF K	E1T1E2	
C81			CK73FF1C105Z	CHIP C 1.0UF Z		
C82			CK73FB1H103K	CHIP C 0.010UF K		
C84 ,85			CK73FB1H332K	CHIP C 3300PF K		
C88			CK73FB1H332K	CHIP C 3300PF K		
C91			CK73FF1C105Z	CHIP C 1.0UF Z		
C92 ,93			CK73FB1H102K	CHIP C 1000PF K	KK1M1	
C92 ,93			CK73FB1H102K	CHIP C 1000PF K	X1	
C94			CK73FB1H561K	CHIP C 560PF K		
CN1			E40-3259-05	PIN ASSY		
CN2			E40-4871-05	PIN ASSY		
J1		*	E70-0141-05	LOCK TERMINAL BOARD		
CF1 ,2			L72-0531-05	CERAMIC FILTER	M1X1	
CF1 ,2			L72-0536-05	CERAMIC FILTER	E1T1E2	
CF1 ,2			L72-0596-05	CERAMIC FILTER	KK1	
L1			L39-1384-05	COMBINATION COIL		
L2			L40-1091-82	SMALL FIXED INDUCTOR(1.0UH)	E1T1E2	
L3			L30-0911-05	AM IFT		
L4			L30-0950-05	FM IFT		
L5			L30-0951-05	FM IFT		
L6 ,7			L79-1239-05	LC FILTER	E1T1E2	
X1			L77-2187-05	CRYSTAL RESONATOR(7.2MHZ)		
R1			RK73FB2A101J	CHIP R 100 J 1/10W		
R4			RK73FB2A681J	CHIP R 680 J 1/10W		
R5			RK73FB2A332J	CHIP R 3.3K J 1/10W		
R6			RK73FB2A221J	CHIP R 220 J 1/10W		
R7			RK73FB2A821J	CHIP R 820 J 1/10W		
R8			RK73FB2A100J	CHIP R 10 J 1/10W	E1T1E2	
R8			RK73FB2A330J	CHIP R 33 J 1/10W	KK1M1	
R8			RK73FB2A330J	CHIP R 33 J 1/10W	X1	
R9			RK73FB2A391J	CHIP R 390 J 1/10W		
R10			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R11			RK73FB2A220J	CHIP R 22 J 1/10W	E1T1E2	
R11			RK73FB2A330J	CHIP R 33 J 1/10W	KK1M1	

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R11			RK73FB2A330J	CHIP R 33 J 1/10W	X1	
R12			RK73FB2A101J	CHIP R 100 J 1/10W		
R14			RK73FB2A101J	CHIP R 100 J 1/10W		
R15			RK73FB2A333J	CHIP R 33K J 1/10W		
R16			RK73FB2A220J	CHIP R 22 J 1/10W		
R17			RK73FB2A362J	CHIP R 3.6K J 1/10W		
R18			RK73FB2A302J	CHIP R 3.0K J 1/10W		
R19			RK73FB2A822J	CHIP R 8.2K J 1/10W		
R20			RK73FB2A392J	CHIP R 3.9K J 1/10W		
R23			RK73FB2A153J	CHIP R 15K J 1/10W	E1T1E2	
R23			RK73FB2A472J	CHIP R 4.7K J 1/10W	KK1M1	
R23			RK73FB2A682J	CHIP R 6.8K J 1/10W	X1	
R25			RK73FB2A183J	CHIP R 18K J 1/10W	KK1M1	
R25			RK73FB2A183J	CHIP R 18K J 1/10W	X1	
R25			RK73FB2A273J	CHIP R 27K J 1/10W	E1T1E2	
R27 ,28			RK73FB2A432J	CHIP R 4.3K J 1/10W	E1T1E2	
R27 ,28			RK73FB2A682J	CHIP R 6.8K J 1/10W	KK1M1	
R27 ,28			RK73FB2A682J	CHIP R 6.8K J 1/10W	X1	
R29			RK73FB2A102J	CHIP R 1.0K J 1/10W	M1	
R30			RK73FB2A561J	CHIP R 560 J 1/10W	M1	
R31			RK73FB2A473J	CHIP R 47K J 1/10W	M1	
R33 ,34			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R35			RK73FB2A101J	CHIP R 100 J 1/10W	E2	
R35			RK73FB2A101J	CHIP R 100 J 1/10W	K1E1T1	
R36			RK73FB2A102J	CHIP R 1.0K J 1/10W	E2	
R36			RK73FB2A102J	CHIP R 1.0K J 1/10W	K1E1T1	
R37			RK73FB2A392J	CHIP R 3.9K J 1/10W	E2	
R37			RK73FB2A392J	CHIP R 3.9K J 1/10W	K1E1T1	
R38			RK73FB2A102J	CHIP R 1.0K J 1/10W	E2	
R38			RK73FB2A102J	CHIP R 1.0K J 1/10W	K1E1T1	
R39			RK73FB2A103J	CHIP R 10K J 1/10W	E2	
R39			RK73FB2A103J	CHIP R 10K J 1/10W	K1E1T1	
R42			RK73FB2A103J	CHIP R 10K J 1/10W		
R43			RK73FB2A221J	CHIP R 220 J 1/10W		
R44			RD14NB2E271J	RD 270 J 1/4W		
R45			RK73EB2B332J	CHIP R 3.3K J 1/8W		
R46			RK73FB2A332J	CHIP R 3.3K J 1/10W		
R47			RK73EB2B332J	CHIP R 3.3K J 1/8W		
R48			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R49			RK73FB2A103J	CHIP R 10K J 1/10W		
R50			RD14NB2E471J	RD 470 J 1/4W		
R51			RK73FB2A562J	CHIP R 5.6K J 1/10W		
R52			RK73FB2A101J	CHIP R 100 J 1/10W		
R53			RK73FB2A222J	CHIP R 2.2K J 1/10W		
R54			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R55			RK73FB2A333J	CHIP R 33K J 1/10W		
R56 ,57			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R58			RK73FB2A123J	CHIP R 12K J 1/10W		
R59			RK73FB2A122J	CHIP R 1.2K J 1/10W		
R72 ,73			RK73FB2A333J	CHIP R 33K J 1/10W	KK1M1	
R72 ,73			RK73FB2A333J	CHIP R 33K J 1/10W	X1	
R72 ,73			RK73FB2A392J	CHIP R 3.9K J 1/10W	E1T1E2	
R74			RK73FB2A473J	CHIP R 47K J 1/10W		
R75			RK73FB2A822J	CHIP R 8.2K J 1/10W		
R76			RK73FB2A182J	CHIP R 1.8K J 1/10W		

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R78			RK73FB2A821J	CHIP R 820 J 1/10W	E2 K1E1T1	
R79			RK73FB2A332J	CHIP R 3.3K J 1/10W		
R80			RK73FB2A223J	CHIP R 22K J 1/10W		
R80			RK73FB2A223J	CHIP R 22K J 1/10W		
R81			RS14KB3A151J	FL-PROOF RS 150 J 1W		
R82			RK73FB2A272J	CHIP R 2.7K J 1/10W		
R83			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R84			RK73EB2B332J	CHIP R 3.3K J 1/8W		
R85 -87			RK73FB2A333J	CHIP R 33K J 1/10W		
R88			RK73FB2A563J	CHIP R 56K J 1/10W		
R89			RK73FB2A333J	CHIP R 33K J 1/10W	M1	
R90			RK73FB2A681J	CHIP R 680 J 1/10W		
VR1			R32-0037-05	SEMI FIXED VARIABLE RESISTOR		
W51 ,52			R92-0670-05	CHIP R 0 OHM		
W54 -56			R92-0670-05	CHIP R 0 OHM		
W54 ,55			R92-0670-05	CHIP R 0 OHM	KK1E1 X1T1E2	
W54 ,55			R92-0670-05	CHIP R 0 OHM		
W59 ,60			R92-0670-05	CHIP R 0 OHM		
W62			R92-0670-05	CHIP R 0 OHM		
W80			R92-0679-05	CHIP R 0 OHM		
W82 -85			R92-0679-05	CHIP R 0 OHM	KK1M1 X1 E1T1E2	
W82 -85			R92-0679-05	CHIP R 0 OHM		
W84 ,85			R92-0679-05	CHIP R 0 OHM		
S1			S62-0034-05	SLIDE SWITCH	M1	
D1			DA204U	DIODE		
D1			MA143A	DIODE		
D1			1SS302	DIODE		
D3			MTZJ8.2(B)	ZENER DIODE		
D3			RD8.2ES(B2)	ZENER DIODE		
D4			MTZJ5.1(B)	ZENER DIODE		
D4			RD5.1ES(B2)	ZENER DIODE		
D5			MTZJ2.7(B)	ZENER DIODE		
D5			RD2.7ES(B2)	ZENER DIODE		
D8			MA111	DIODE		
D9			MTZJ3.3(B)	ZENER DIODE	E2 K1E1T1	
D9			RD3.3ES(B2)	ZENER DIODE		
D11			MA111	DIODE		
D11			MA111	DIODE		
D13			MA111	DIODE		
IC1			LA1837	ANALOGUE IC		
IC2			LC72131	MOS-IC		
Q1			2SC4081(R,S)	TRANSISTOR		
Q1			2SC4116(Y,GR)	TRANSISTOR		
Q2			2SA1576A(R,S)	TRANSISTOR		
Q2			2SA1586(Y,GR)	TRANSISTOR	M1 M1 E2 K1E1T1	
Q3 ,4			2SC4081(R,S)	TRANSISTOR		
Q3 ,4			2SC4116(Y,GR)	TRANSISTOR		
Q6 ,7			2SC4081(R,S)	TRANSISTOR		
Q6 ,7			2SC4081(R,S)	TRANSISTOR		
Q6 ,7			2SC4116(Y,GR)	TRANSISTOR	E2 K1E1T1	
Q6 ,7			2SC4116(Y,GR)	TRANSISTOR		
Q10 ,11			2SD1757K	TRANSISTOR		
Q12			2SA1576A(R,S)	TRANSISTOR		
Q12			2SA1586(Y,GR)	TRANSISTOR		

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Q14			2SA1576A(R,S)	TRANSISTOR				
Q14			2SA1586(Y,GR)	TRANSISTOR				
A1			W02-2584-05	FM FRONT-END ASSY			E1T1E2	
A1			W02-2622-05	FM FRONT-END ASSY			KK1M1	
A1			W02-2622-05	FM FRONT-END ASSY			X1	
POWER AMP (X07-3350-11)								
C1 -4			CE04KW1H3R3M	ELECTRO	3.3UF	50WV		
C5 ,6			CC45FSL1H680J	CERAMIC	68PF	J		
C11 ,12			CK45FB1H222K	CERAMIC	2200PF	K		
C13 ,14			CC45FCH1H050C	CERAMIC	5.0PF	C		
C15 ,16			CC45FSL1H101J	CERAMIC	100PF	J		
C17 ,18			CE04KW1H100M	ELECTRO	10UF	50WV		
C19 ,20			CK45FF1H103Z	CERAMIC	0.010UF	Z		
C21 ,22			CC45FSL1H151J	CERAMIC	150PF	J		
C23 ,24			CC45FSL2H470J	CERAMIC	47PF	J		
C25 ,26			CC45FSL1H070D	CERAMIC	7.0PF	D		
C27 ,28			CE04KW1A221M	ELECTRO	220UF	10WV		
C51 -54			CE04KW1H3R3M	ELECTRO	3.3UF	50WV		
C55 ,56			CC45FSL1H680J	CERAMIC	68PF	J		
C61 ,62			CK45FB1H222K	CERAMIC	2200PF	K		
C63 ,64			CC45FCH1H050C	CERAMIC	5.0PF	C		
C65 ,66			CC45FSL1H101J	CERAMIC	100PF	J		
C67 ,68			CE04KW1H100M	ELECTRO	10UF	50WV		
C69 ,70			CK45FF1H103Z	CERAMIC	0.010UF	Z		
C71 ,72			CC45FSL1H151J	CERAMIC	150PF	J		
C73 ,74			CC45FSL2H470J	CERAMIC	47PF	J		
C75 ,76			CC45FSL1H070D	CERAMIC	7.0PF	D		
C77 ,78			CE04KW1A221M	ELECTRO	220UF	10WV		
C101,102			CE04KW1H3R3M	ELECTRO	3.3UF	50WV		
C103			CC45FSL1H680J	CERAMIC	68PF	J		
C106			CK45FB1H222K	CERAMIC	2200PF	K		
C107			CC45FCH1H050C	CERAMIC	5.0PF	C		
C108			CC45FSL1H101J	CERAMIC	100PF	J		
C109			CE04KW1A221M	ELECTRO	220UF	10WV		
C110			CK45FF1H103Z	CERAMIC	0.010UF	Z		
C111			CE04KW1H100M	ELECTRO	10UF	50WV		
C112			CC45FSL1H151J	CERAMIC	150PF	J		
C113			CC45FSL2H470J	CERAMIC	47PF	J		
C114			CC45FSL1H070D	CERAMIC	7.0PF	D		
C115			CE04KW1H220M	ELECTRO	22UF	50WV		
C116			CE04KW1E470M	ELECTRO	47UF	25WV		
C117			CE04KW1H220M	ELECTRO	22UF	50WV		
C118			CC45FSL1H101J	CERAMIC	100PF	J		
C119			CE04KW1E470M	ELECTRO	47UF	25WV		
C201-205			CK45FF1H103Z	CERAMIC	0.010UF	Z		
C251-254			CF92FV1H224J	MF-C	0.22UF	J	E1M1X1	
C251-254			CF92FV1H224J	MF-C	0.22UF	J	T1E2	
C255,256			CF92FV1H104J	MF-C	0.10UF	J	KK1	
C257,258			CQ93FMG1H272J	MYLAR	2700PF	J		
C259-262			CF92FV1H224J	MF-C	0.22UF	J	E1M1X1	
C259-262			CF92FV1H224J	MF-C	0.22UF	J	T1E2	
C263,264			CF92FV1H104J	MF-C	0.10UF	J	KK1	
C265,266			CQ93FMG1H393J	MYLAR	0.039UF	J		
C267,268			CK45FB1H102K	CERAMIC	1000PF	K		

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C269,270 C269,270 C271 C301 C302			CF92FV1H224J CF92FV1H224J CF92FV1H104J CE04KW1A101M CE04KW1H4R7M	MF-C 0.22UF J MF-C 0.22UF J MF-C 0.10UF J ELECTRO 100UF 10WV ELECTRO 4.7UF 50WV	E1M1X1 T1E2 KK1	
C303 C304 C305 C306,307 C308			CE04KW1H220M CE04KW1H470M CE04KW1E470M CE04KW2A100M CE04KW2A470M	ELECTRO 22UF 50WV ELECTRO 47UF 50WV ELECTRO 47UF 25WV ELECTRO 10UF 100WV ELECTRO 47UF 100WV		
C309,310 C351-354 C355,356 C401,402 C403		*	CE04KW2A100M CE04KW2A470M CE04KW1H470M C90-3951-05 C91-1422-05	ELECTRO 10UF 100WV ELECTRO 47UF 100WV ELECTRO 47UF 50WV ELECTRO 24000UF 75WV MP 0.10UF 250WV		
C404 C405,406 C451 C452 C453	Δ		CK45FE2H103P CK45FE2H103P CQ93FMG1H473J CE04KW1E102M C91-1488-05	CERAMIC 0.010UF P CERAMIC 0.010UF P MYLAR 0.047UF J ELECTRO 1000UF 25WV MF 6800PF 250VAC	KK1	
C454 C455 C456 C567-571	Δ Δ Δ	*	C91-1488-05 C91-1627-05 CK45FF1H103Z C45FSL1H221J	MF 6800PF 250VAC POLYESTE 0.1UF 250VAC CERAMIC 0.010UF Z CERAMIC 220PF J	M1	
CN1 CN3 CN4 CN5 CN6			E40-4879-05 E40-8251-05 E40-8255-05 E40-4294-05 E40-3247-05	PIN ASSY FLAT CABLE CONNECTOR FLAT CABLE CONNECTOR FLAT CABLE CONNECTOR PIN ASSY		
CN7 CN8 CN10 CN11 CN11			E40-3246-05 E40-3247-05 E40-4245-05 E40-4245-05 E40-4245-05	PIN ASSY PIN ASSY PIN ASSY PIN ASSY PIN ASSY	KK1E1 X1T1E2	
CN12 J1 J2 J2 J2	Δ Δ Δ Δ	*	E40-4281-05 E70-0131-05 E03-0148-05 E03-0149-05 E03-0310-05	PIN ASSY SCREW TERMINAL BOARD AC OUTLET AC OUTLET AC OUTLET	M1 KK1 E1M1E2 T1	
J2	Δ		E03-0325-05	AC OUTLET	X1	
F1 F1 F1 F2 F3	Δ Δ Δ Δ Δ		F05-5025-05 F05-5025-05 F51-0066-05 F05-5025-05 F05-2525-05	FUSE (SEMKO) (250V T5A L) FUSE (SEMKO) (250V T5A L) FUSE(6X30) FUSE (SEMKO) (250V T5A L) FUSE (SEMKO) (250V T2.5AL)	E1X1T1 E2M1 KK1 M1 E1E2	
FAN	Δ	1B	F09-0139-05	FAN		
CN31,32 CN31,32 CN31,32 CN33,34 CN35,36			J13-0041-05 J13-0075-05 J13-0075-05 J13-0075-05 J13-0075-05	FUSE CLIP FUSE CLIP FUSE CLIP FUSE CLIP FUSE CLIP	KK1 E1X1T1 E2M1 M1 E1E2	
E2			J11-0808-05	WIRE CLAMPER		

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L1 -5 T1 T1 T1 T1	Δ Δ Δ Δ Δ		L39-0085-05 L07-2936-05 L07-2936-05 L07-2937-05 L07-2939-05	PHASE COMPENSATION COIL POWER TRANSFORMER POWER TRANSFORMER POWER TRANSFORMER POWER TRANSFORMER	E1X1T1 E2 M1 KK1	
R23 ,24 R29 -32 R73 ,74 R79 -82 R112			RD14NB2E101J RD14NB2E221J RD14NB2E101J RD14NB2E221J RD14NB2E101J	RD 100 J 1/4W RD 220 J 1/4W RD 100 J 1/4W RD 220 J 1/4W RD 100 J 1/4W		
R115,116 R155 R201-204 R205,206 R207-210	Δ		RD14NB2E221J RD14NB2E220J RD14NB2E470J RD14NB2E151J RD14NB2E101J	RD 220 J 1/4W RD 22 J 1/4W RD 47 J 1/4W RD 150 J 1/4W RD 100 J 1/4W		
R213-216 R229,230 R251-254 R255,256 R257-260			RD14NB2E332J RD14NB2E220J RD14NB2E470J RD14NB2E151J RD14NB2E101J	RD 3.3K J 1/4W RD 22 J 1/4W RD 47 J 1/4W RD 150 J 1/4W RD 100 J 1/4W		
R263-266 R279,280 R301,302 R303 R304,305			RD14NB2E332J RD14NB2E220J RD14NB2E470J RD14NB2E151J RD14NB2E101J	RD 3.3K J 1/4W RD 22 J 1/4W RD 47 J 1/4W RD 150 J 1/4W RD 100 J 1/4W		
R307,308 R315 R351-355 R356-359 R360,361	Δ		RD14NB2E332J RD14NB2E220J RS14KB3D2R7J RD14NB2E271J RS14KB3D471J	RD 3.3K J 1/4W RD 22 J 1/4W FL-PROOF RS 2.7 J 2W RD 270 J 1/4W FL-PROOF RS 470 J 2W		
R362 R394 R395 R398 R451,452	Δ Δ Δ Δ		RD14NB2E271J RD14NB2E100J RD14NB2E682J RD14NB2E272J RD14NB2E1R0J	RD 270 J 1/4W RD 10 J 1/4W RD 6.8K J 1/4W RD 2.7K J 1/4W RD 1 J 1/4W		
R453,454 R455,456 R502 R506 R510	Δ Δ Δ		RD14NB2E562J RD14NB2E391J R92-1844-05 RD14NB2E1R0J RS14KB3D182J	RD 5.6K J 1/4W RD 390 J 1/4W CARBON 3.3M J 1/2W RD 1 J 1/4W FL-PROOF RS 1.8K J 2W	KK1	
VR1 -5			R32-0030-05	SEMI FIXED VARIABLE RESISTOR		
K1 -5 K6 K6 K6 S1	Δ Δ Δ Δ	*	S76-0076-05 S76-0106-05 S76-0106-05 S76-0122-05 S31-3010-05	MAGNETIC RELAY MAGNETIC RELAY MAGNETIC RELAY MAGNETIC RELAY SLIDE SWITCH	E1M1X1 T1E2 KK1 M1	
D1 -4 D1 -4 D11 -14 D11 -14 D21 ,22			HSS104A 1SS133 HSS104A 1SS133 HSS104A	DIODE DIODE DIODE DIODE DIODE		
D21 ,22 D51 ,52 D53 -62			1SS133 1SS244 HSS104A	DIODE DIODE DIODE		

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D53 -62 D71 ,72 D73 -82 D73 -82 D91			1SS133 1SS244 HSS104A 1SS133 1SS244	DIODE DIODE DIODE DIODE DIODE		
D92 -96 D92 -96 Δ D100 Δ D101,102 D103		*	HSS104A 1SS133 RBV-2506LFA S5688B MTZJ13(B)	DIODE DIODE DIODE DIODE ZENER DIODE		
D103 D104 D104 D105,106 D105,106			RD13ES(B2) MTZJ15(B) RD15ES(B2) MTZJ4.7(B) RD4.7ES(B2)	ZENER DIODE ZENER DIODE ZENER DIODE ZENER DIODE ZENER DIODE		
D107,108 D107,108 D109 D109 D111-115			HSS104A 1SS133 MTZJ5.1(B) RD5.1ES(B2) HSS104A	DIODE DIODE ZENER DIODE ZENER DIODE DIODE		
D111-115 D121,122 D121,122 D123,124 D123,124			1SS133 MTZJ18(B) RD18ES(B2) MTZJ20(B) RD20ES(B2)	DIODE ZENER DIODE ZENER DIODE ZENER DIODE ZENER DIODE		
D201-204 D201-204 D205,206 D205,206 D207,208			MTZJ6.2(B) RD6.2ES(B2) HSS104A 1SS133 MTZJ24(B)	ZENER DIODE ZENER DIODE DIODE DIODE ZENER DIODE		
D207,208 D209,210 D209,210 D211,212 D211,212			RD24ES(B2) MTZJ10(B) RD10ES(B2) MTZJ13(B) RD13ES(B2)	ZENER DIODE ZENER DIODE ZENER DIODE ZENER DIODE ZENER DIODE		
D213-216 D213-216 D217 D217 D251			HSS104A 1SS133 MTZJ2.7(B) RD2.7ES(B2) MTZJ5.1(B)	DIODE DIODE ZENER DIODE ZENER DIODE ZENER DIODE		
D251 D252,253 D252,253 D502 D502			RD5.1ES(B2) HSS104A 1SS133 HSS104A 1SS133	ZENER DIODE DIODE DIODE DIODE DIODE		
Δ D503-508 Δ D509 Δ D509 Δ D510 D511-513			S5688B HSS104A 1SS133 S5688B HSS104A	DIODE DIODE DIODE DIODE DIODE		
D511-513 D514 D514 Q1 ,2 Q3 -6			1SS133 MTZJ4.7(B) RD4.7ES(B2) 2SC2878(B) 2SA992(F,E)	DIODE ZENER DIODE ZENER DIODE TRANSISTOR TRANSISTOR		

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Q7 ,8 Q9 -12 Q13 ,14 Q13 ,14 Q51 ,52			2SA1123(R,S) 2SC2631(R,S) 2SA1048(Y,GR) 2SA933AS(Q,R) 2SC2878(B)	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
Q53 -56 Q57 ,58 Q59 -62 Q63 ,64 Q63 ,64			2SA992(F,E) 2SA1123(R,S) 2SC2631(R,S) 2SA1048(Y,GR) 2SA933AS(Q,R)	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
Q101 Q102,103 Q104,105 Q106 Q107			2SC2878(B) 2SA992(F,E) 2SC2631(R,S) 2SA1123(R,S) 2SA1048(Y,GR)	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
Q107 Q108 Δ Q108 Δ Q109 Q109			2SA933AS(Q,R) 2SC1740S(Q,R) 2SC2458(Y,GR) DTC124ESA UN4212	TRANSISTOR TRANSISTOR TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR		
Δ Q201,202 Δ Q203,204 Q205,206 Q207,208 Δ Q251,252		*	TRAIT7N*5 TRAIT7P*5 2SC1845(F,E) 2SA992(F,E) TRAIT7N*5	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
Δ Q253,254 Q255,256 Q257,258 Δ Q301 Δ Q302		*	TRAIT7P*5 2SC1845(F,E) 2SA992(F,E) TRAIT7N*5 TRAIT7P*5	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
Q303 Q304 Q351-354 Q351-354 Q381,382			2SC1845(F,E) 2SA992(F,E) DTC113ZSA UN4219 2SC1845(F,E)	TRANSISTOR TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR TRANSISTOR		
Q383,384 Q401 Q401 Q402,403 Q402,403			2SA992(F,E) DTC124ESA UN4212 DTC113ZSA UN4219	TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR		
Δ Q404 Q405,406 Q405,406 Δ Q407 Q408			2SD2012 2SC1740S(Q,R) 2SC2458(Y,GR) 2SA1110(R,S) 2SC2003(L,K)	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
Δ Q421 Δ Q422 Q423 Q423 Q424			2SC3944A 2SA1535A 2SC1740S(Q,R) 2SC2458(Y,GR) 2SA1048(Y,GR)	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
Q424 Q425 Q425 Q426 Q426			2SA933AS(Q,R) 2SC1740S(Q,R) 2SC2458(Y,GR) 2SA1048(Y,GR) 2SA933AS(Q,R)	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		

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Q427			DTC124ESA	DIGITAL TRANSISTOR		
Q427			UN4212	DIGITAL TRANSISTOR		
Q428			DTA143TSA	DIGITAL TRANSISTOR		
Q428			UN4116	DIGITAL TRANSISTOR		
Q429			2SA992(F,E)	TRANSISTOR		
Q530			2SA1048(Y,GR)	TRANSISTOR		
Q530			2SA933AS(Q,R)	TRANSISTOR		
SURROUND (X08-3090-11)						
C1			CC73GCH1H470J	CHIP C	47PF	J
C2			CK73GB1H103K	CHIP C	0.010UF	K
C4			CC73GCH1H470J	CHIP C	47PF	J
C11			CC73GCH1H470J	CHIP C	47PF	J
C12			CK73GB1H103K	CHIP C	0.010UF	K
C14			CC73GCH1H470J	CHIP C	47PF	J
C15			CC73GCH1H102J	CHIP C	1000PF	J
C21			CC73GCH1H470J	CHIP C	47PF	J
C22			CK73GB1H103K	CHIP C	0.010UF	K
C24			CC73GCH1H470J	CHIP C	47PF	J
C31			CC73GCH1H470J	CHIP C	47PF	J
C32			CK73GB1H103K	CHIP C	0.010UF	K
C34			CC73GCH1H470J	CHIP C	47PF	J
C35			CC73GCH1H102J	CHIP C	1000PF	J
C41			CC73GCH1H470J	CHIP C	47PF	J
C42			CK73GB1H103K	CHIP C	0.010UF	K
C44			CC73GCH1H470J	CHIP C	47PF	J
C51			CC73GCH1H470J	CHIP C	47PF	J
C52			CK73GB1H103K	CHIP C	0.010UF	K
C54			CC73GCH1H470J	CHIP C	47PF	J
C55			CC73GCH1H102J	CHIP C	1000PF	J
C61			CC73GCH1H470J	CHIP C	47PF	J
C62			CK73GB1H103K	CHIP C	0.010UF	K
C64			CC73GCH1H470J	CHIP C	47PF	J
C71			CC73GCH1H102J	CHIP C	1000PF	J
C72			CC73GCH1H220J	CHIP C	22PF	J
C73			CK73GF1E104Z	CHIP C	0.10UF	Z
C74			CC73GCH1H220J	CHIP C	22PF	J
C75			CC73GCH1H102J	CHIP C	1000PF	J
C76			CC73GCH1H270J	CHIP C	27PF	J
C101			CK73GF1E104Z	CHIP C	0.10UF	Z
C102			CC73GCH1H102J	CHIP C	1000PF	J
C103, 104			CC73GCH1H220J	CHIP C	22PF	J
C105			CK73GF1E104Z	CHIP C	0.10UF	Z
C107-109			CK73GF1E104Z	CHIP C	0.10UF	Z
C110			CK73GB1H103K	CHIP C	0.010UF	K
C111			CE04KW1H100M	ELECTRO	10UF	50WV
C112			CC73GCH1H470J	CHIP C	47PF	J
C113			CC73GCH1H150J	CHIP C	15PF	J
C114			CC73GCH1H470J	CHIP C	47PF	J
C116			CE04KW1A101M	ELECTRO	100UF	10WV
C201			CE04KW1H100M	ELECTRO	10UF	50WV
C202			CC73GCH1H102J	CHIP C	1000PF	J
C203			CE04KW1A101M	ELECTRO	100UF	10WV
C205			CE04KW1E470M	ELECTRO	47UF	25WV
C206			CC73GCH1H102J	CHIP C	1000PF	J

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C207			CE04KW1H100M	ELECTRO	10UF	50WV
C208			CE04KW1E470M	ELECTRO	47UF	25WV
C212			CC73GCH1H470J	CHIP C	47PF	J
C213-216			CC73GCH1H471J	CHIP C	470PF	J
C221,222			CE04KW1H100M	ELECTRO	10UF	50WV
C223,224			CC73GCH1H101J	CHIP C	100PF	J
C225,226			CC73GCH1H151J	CHIP C	150PF	J
C227,228			CC73GCH1H101J	CHIP C	100PF	J
C229,230			CE04KW1E470M	ELECTRO	47UF	25WV
C231,232			CC73GCH1H220J	CHIP C	22PF	J
C233,234			CK73GB1H222K	CHIP C	2200PF	K
C235,236			CC73GCH1H101J	CHIP C	100PF	J
C301			CK73GF1E104Z	CHIP C	0.10UF	Z
C302			CE04KW1A101M	ELECTRO	100UF	10WV
C303			CC73GCH1H102J	CHIP C	1000PF	J
C304			CE04KW1H100M	ELECTRO	10UF	50WV
C305			CC73GCH1H101J	CHIP C	100PF	J
C306			CE04KW1H100M	ELECTRO	10UF	50WV
C307			CC73GCH1H101J	CHIP C	100PF	J
C311,312			CQ93FMG1H272J	MYLAR	2700PF	J
C313,314			CC73GCH1H220J	CHIP C	22PF	J
C315-320			CC73GCH1H101J	CHIP C	100PF	J
C321,322			CQ93FMG1H223J	MYLAR	0.022UF	J
C323,324			CC73GCH1H101J	CHIP C	100PF	J
C325,326			CQ93FMG1H102J	MYLAR	1000PF	J
C327,328			CQ93FMG1H472J	MYLAR	4700PF	J
C329,330			CC73GCH1H101J	CHIP C	100PF	J
C331,332			CC73GCH1H050C	CHIP C	5.0PF	C
C351			CK73GF1E104Z	CHIP C	0.10UF	Z
C352			CE04KW1A101M	ELECTRO	100UF	10WV
C353			CC73GCH1H102J	CHIP C	1000PF	J
C354			CE04KW1H100M	ELECTRO	10UF	50WV
C355			CC73GCH1H101J	CHIP C	100PF	J
C356			CE04KW1H100M	ELECTRO	10UF	50WV
C357			CC73GCH1H101J	CHIP C	100PF	J
C361,362			CQ93FMG1H272J	MYLAR	2700PF	J
C363,364			CC73GCH1H220J	CHIP C	22PF	J
C365-370			CC73GCH1H101J	CHIP C	100PF	J
C371,372			CQ93FMG1H223J	MYLAR	0.022UF	J
C373,374			CC73GCH1H101J	CHIP C	100PF	J
C375,376			CQ93FMG1H102J	MYLAR	1000PF	J
C377,378			CQ93FMG1H472J	MYLAR	4700PF	J
C379,380			CC73GCH1H101J	CHIP C	100PF	J
C381,382			CC73GCH1H050C	CHIP C	5.0PF	C
C401			CK73GF1E104Z	CHIP C	0.10UF	Z
C402			CE04KW1A101M	ELECTRO	100UF	10WV
C403			CC73GCH1H102J	CHIP C	1000PF	J
C404			CE04KW1H100M	ELECTRO	10UF	50WV
C405			CC73GCH1H101J	CHIP C	100PF	J
C406			CE04KW1H100M	ELECTRO	10UF	50WV
C407			CC73GCH1H101J	CHIP C	100PF	J
C411			CQ93FMG1H272J	MYLAR	2700PF	J
C412			CQ93FMG1H103J	MYLAR	0.010UF	J
C413,414			CC73GCH1H220J	CHIP C	22PF	J
C415-417			CC73GCH1H101J	CHIP C	100PF	J

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KRF-X9995D/X9995D-S/VR-5700/5900

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Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
C418 C419,420 C421,422 C423,424 C425			CK73GB1H272K CC73GCH1H101J CQ93FMG1H223J CC73GCH1H101J CQ93FMG1H102J	CHIP C 2700PF K CHIP C 100PF J MYLAR 0.022UF J CHIP C 100PF J MYLAR 1000PF J		
C426 C427 C428 C429,430 C431,432			CQ93FMG1H272J CQ93FMG1H472J CQ93FMG1H223J CC73GCH1H101J CC73GCH1H050C	MYLAR 2700PF J MYLAR 4700PF J MYLAR 0.022UF J CHIP C 100PF J CHIP C 5.0PF C		
C451 C452 C453 C454 C455			CK73GF1E104Z CE04KW1A101M CC73GCH1H102J CE04KW1H100M CC73GCH1H101J	CHIP C 0.10UF Z ELECTRO 100UF 10WV CHIP C 1000PF J ELECTRO 10UF 50WV CHIP C 100PF J		
C456 C457 C461,462 C463,464 C465-470			CE04KW1H100M CC73GCH1H101J CQ93FMG1H272J CC73GCH1H220J CC73GCH1H101J	ELECTRO 10UF 50WV CHIP C 100PF J MYLAR 2700PF J CHIP C 22PF J CHIP C 100PF J		
C471,472 C473,474 C475,476 C477,478 C479,480			CQ93FMG1H223J CC73GCH1H101J CQ93FMG1H102J CQ93FMG1H472J CC73GCH1H101J	MYLAR 0.022UF J CHIP C 100PF J MYLAR 1000PF J MYLAR 4700PF J CHIP C 100PF J		
C481,482 C601-605 C606,607 C608-630 C631			CC73GCH1H050C CC73GCH1H102J CC73GCH1H090D CC73GCH1H102J CK73GB1H103K	CHIP C 5.0PF C CHIP C 1000PF J CHIP C 9.0PF D CHIP C 1000PF J CHIP C 0.010UF K		
C632-634 C701-706 C707 C801,802 C803			CC73GCH1H102J CC73GCH1H102J CK73GB1H103K CK73GB1H103K CE04KW1H100M	CHIP C 1000PF J CHIP C 1000PF J CHIP C 0.010UF K CHIP C 0.010UF K ELECTRO 10UF 50WV		
C804 C805 C806 C951 C954			CK73GB1H103K CC73GCH1H102J CK73GB1H103K CE04KW1E470M CE04KW1E470M	CHIP C 0.010UF K CHIP C 1000PF J CHIP C 0.010UF K ELECTRO 47UF 25WV ELECTRO 47UF 25WV		
C955 C956 C958 C959 C960			CE04DW1A102M CK73GB1H103K CE04KW1A101M CE04KW1H100M CC73GCH1H102J	ELECTRO 1000UF 10WV CHIP C 0.010UF K ELECTRO 100UF 10WV ELECTRO 10UF 50WV CHIP C 1000PF J		
C961 C963 C965			CK73GB1H103K CE04KW1A101M CE04KW1E470M	CHIP C 0.010UF K ELECTRO 100UF 10WV ELECTRO 47UF 25WV		
CN1 ,2 CN3 J1 J2 J3 ,4			E40-9836-05 E40-9832-05 E63-1128-05 E63-1130-05 E63-1124-05	SOCKET FOR PIN ASSY SOCKET FOR PIN ASSY PIN JACK PIN JACK PIN JACK		
Δ L1 ,2			L40-4795-34	SMALL FIXED INDUCTOR(4.7UH)		

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Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
X1 X2 X3		*	L77-2337-05 L77-2314-05 L78-0604-05	CRYSTAL RESONATOR(12.288MHZ) CRYSTAL RESONATOR(33MHZ) RESONATOR (6.00MHZ)		
R1 R2 R3 R4 R5			RK73GB1J750J RK73GB1J751J RK73GB1J104J RK73GB1J184J RK73GB1J470J	CHIP R 75 J 1/16W CHIP R 750 J 1/16W CHIP R 100K J 1/16W CHIP R 180K J 1/16W CHIP R 47 J 1/16W		
R7 R11 R12 R13 R14			RK73GB1J151J RK73GB1J750J RK73GB1J751J RK73GB1J104J RK73GB1J184J	CHIP R 150 J 1/16W CHIP R 75 J 1/16W CHIP R 750 J 1/16W CHIP R 100K J 1/16W CHIP R 180K J 1/16W		
R15 R17 R18 R21 R22	Δ		RK73GB1J470J RK73GB1J151J RK73FB2A100J RK73GB1J750J RK73GB1J751J	CHIP R 47 J 1/16W CHIP R 150 J 1/16W CHIP R 10 J 1/10W CHIP R 75 J 1/16W CHIP R 750 J 1/16W		
R23 R24 R25 R27 R31			RK73GB1J104J RK73GB1J184J RK73GB1J470J RK73GB1J151J RK73GB1J750J	CHIP R 100K J 1/16W CHIP R 180K J 1/16W CHIP R 47 J 1/16W CHIP R 150 J 1/16W CHIP R 75 J 1/16W		
R32 R33 R34 R35 R37			RK73GB1J751J RK73GB1J104J RK73GB1J184J RK73GB1J470J RK73GB1J151J	CHIP R 750 J 1/16W CHIP R 100K J 1/16W CHIP R 180K J 1/16W CHIP R 47 J 1/16W CHIP R 150 J 1/16W		
R41 R42 R43 R44 R45			RK73GB1J750J RK73GB1J751J RK73GB1J104J RK73GB1J184J RK73GB1J470J	CHIP R 75 J 1/16W CHIP R 750 J 1/16W CHIP R 100K J 1/16W CHIP R 180K J 1/16W CHIP R 47 J 1/16W		
R47 R48 R51 R52 R53	Δ		RK73GB1J151J RK73FB2A100J RK73GB1J750J RK73GB1J751J RK73GB1J104J	CHIP R 150 J 1/16W CHIP R 10 J 1/10W CHIP R 75 J 1/16W CHIP R 750 J 1/16W CHIP R 100K J 1/16W		
R54 R55 R57 R58 R61			RK73GB1J184J RK73GB1J470J RK73GB1J151J RK73FB2A100J RK73GB1J750J	CHIP R 180K J 1/16W CHIP R 47 J 1/16W CHIP R 150 J 1/16W CHIP R 10 J 1/10W CHIP R 75 J 1/16W		
R62 R63 R64 R65 R67			RK73GB1J751J RK73GB1J104J RK73GB1J184J RK73GB1J470J RK73GB1J151J	CHIP R 750 J 1/16W CHIP R 100K J 1/16W CHIP R 180K J 1/16W CHIP R 47 J 1/16W CHIP R 150 J 1/16W		
Δ R71 R72 R73 R74 ,75 R76			RK73FB2A100J RK73GB1J100J RK73GB1J221J RK73GB1J750J RK73FB2A100J	CHIP R 10 J 1/10W CHIP R 10 J 1/16W CHIP R 220 J 1/16W CHIP R 75 J 1/16W CHIP R 10 J 1/10W		
R77			RK73GB1J101J	CHIP R 100 J 1/16W		

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R79			RK73GB1J102J	CHIP R	1.0K	J 1/16W
R80			RK73GB1J103J	CHIP R	10K	J 1/16W
R101			RK73FB2A100J	CHIP R	10	J 1/10W
R102			RK73GB1J101J	CHIP R	100	J 1/16W
R103,104			RK73GB1J105J	CHIP R	1.0M	J 1/16W
R105			RK73GB1J152J	CHIP R	1.5K	J 1/16W
R106			RK73GB1J102J	CHIP R	1.0K	J 1/16W
R107			RK73GB1J183J	CHIP R	18K	J 1/16W
R108			RK73FB2A1R0J	CHIP R	1	J 1/10W
R110			RK73GB1J103J	CHIP R	10K	J 1/16W
R111			RK73GB1J102J	CHIP R	1.0K	J 1/16W
R112			RK73GB1J103J	CHIP R	10K	J 1/16W
R113-117			RK73GB1J102J	CHIP R	1.0K	J 1/16W
R118			RK73GB1J471J	CHIP R	470	J 1/16W
R119			RK73GB1J472J	CHIP R	4.7K	J 1/16W
R120			RK73GB1J103J	CHIP R	10K	J 1/16W
R121			RK73GB1J102J	CHIP R	1.0K	J 1/16W
R122			RK73GB1J151J	CHIP R	150	J 1/16W
R123			RK73GB1J101J	CHIP R	100	J 1/16W
R124			RK73GB1J151J	CHIP R	150	J 1/16W
R125			RK73GB1J101J	CHIP R	100	J 1/16W
R126			RK73FB2A2R2J	CHIP R	2.2	J 1/10W
R127			RK73GB1J103J	CHIP R	10K	J 1/16W
R201			RK73FB2A1R0J	CHIP R	1	J 1/10W
R202			RK73GB1J102J	CHIP R	1.0K	J 1/16W
R203-206			RK73GB1J473J	CHIP R	47K	J 1/16W
R207			RK73FB2A1R0J	CHIP R	1	J 1/10W
R208,209			RK73GB1J103J	CHIP R	10K	J 1/16W
R210			RK73GB1J101J	CHIP R	100	J 1/16W
R211			RK73GB1J221J	CHIP R	220	J 1/16W
R221,222			RK73GB1J273J	CHIP R	27K	J 1/16W
R223,224			RK73GB1J123J	CHIP R	12K	J 1/16W
R225,226			RK73GB1J561J	CHIP R	560	J 1/16W
R227-230			RK73GB1J472J	CHIP R	4.7K	J 1/16W
R233-236			RK73GB1J471J	CHIP R	470	J 1/16W
R301			RK73FB2A100J	CHIP R	10	J 1/10W
R302-304			RK73GB1J102J	CHIP R	1.0K	J 1/16W
R305			RK73FB2A100J	CHIP R	10	J 1/10W
R306			RK73FB2A1R0J	CHIP R	1	J 1/10W
R307			RK73GB1J1R0J	CHIP R	1	J 1/16W
R311-314			RK73GB1J182J	CHIP R	1.8K	J 1/16W
R315-318			RK73GB1J102J	CHIP R	1.0K	J 1/16W
R319-322			RK73GB1J472J	CHIP R	4.7K	J 1/16W
R323,324			RK73GB1J100J	CHIP R	10	J 1/16W
R325-328			RK73GB1J681J	CHIP R	680	J 1/16W
R329,330			RK73GB1J471J	CHIP R	470	J 1/16W
R331,332			RK73GB1J121J	CHIP R	120	J 1/16W
R333,334			RK73GB1J100J	CHIP R	10	J 1/16W
R335,336			RK73GB1J1R0J	CHIP R	1	J 1/16W
R351			RK73FB2A100J	CHIP R	10	J 1/10W
R352-354			RK73GB1J102J	CHIP R	1.0K	J 1/16W
R355			RK73FB2A100J	CHIP R	10	J 1/10W
R356			RK73FB2A1R0J	CHIP R	1	J 1/10W
R357			RK73GB1J1R0J	CHIP R	1	J 1/16W
R361-368			RK73GB1J102J	CHIP R	1.0K	J 1/16W

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R369-372			RK73GB1J472J	CHIP R	4.7K	J 1/16W
R373,374			RK73GB1J100J	CHIP R	10	J 1/16W
R375-378			RK73GB1J511J	CHIP R	510	J 1/16W
R379,380			RK73GB1J471J	CHIP R	470	J 1/16W
R381,382			RK73GB1J121J	CHIP R	120	J 1/16W
R383,384			RK73GB1J100J	CHIP R	10	J 1/16W
R385,386			RK73GB1J1R0J	CHIP R	1	J 1/16W
R401			RK73FB2A100J	CHIP R	10	J 1/10W
R402-404			RK73GB1J102J	CHIP R	1.0K	J 1/16W
R405			RK73FB2A100J	CHIP R	10	J 1/10W
R406			RK73FB2A1R0J	CHIP R	1	J 1/10W
R407			RK73GB1J1R0J	CHIP R	1	J 1/16W
R411,412			RK73GB1J182J	CHIP R	1.8K	J 1/16W
R413,414			RK73GB1J242J	CHIP R	2.4K	J 1/16W
R415,416			RK73GB1J102J	CHIP R	1.0K	J 1/16W
R417,418			RK73GB1J122J	CHIP R	1.2K	J 1/16W
R419			RK73GB1J472J	CHIP R	4.7K	J 1/16W
R420			RK73GB1J273J	CHIP R	27K	J 1/16W
R421			RK73GB1J472J	CHIP R	4.7K	J 1/16W
R422			RK73GB1J273J	CHIP R	27K	J 1/16W
R423,424			RK73GB1J100J	CHIP R	10	J 1/16W
R425			RK73GB1J681J	CHIP R	680	J 1/16W
R426			RK73GB1J123J	CHIP R	12K	J 1/16W
R427			RK73GB1J681J	CHIP R	680	J 1/16W
R428			RK73GB1J123J	CHIP R	12K	J 1/16W
R429			RK73GB1J471J	CHIP R	470	J 1/16W
R430			RK73GB1J183J	CHIP R	18K	J 1/16W
R431			RK73GB1J121J	CHIP R	120	J 1/16W
R432			RK73GB1J152J	CHIP R	1.5K	J 1/16W
R433,434			RK73GB1J100J	CHIP R	10	J 1/16W
R435,436			RK73GB1J1R0J	CHIP R	1	J 1/16W
R451			RK73FB2A100J	CHIP R	10	J 1/10W
R452-454			RK73GB1J102J	CHIP R	1.0K	J 1/16W
R455			RK73FB2A100J	CHIP R	10	J 1/10W
R456			RK73FB2A1R0J	CHIP R	1	J 1/10W
R457			RK73GB1J1R0J	CHIP R	1	J 1/16W
R461-468			RK73GB1J102J	CHIP R	1.0K	J 1/16W
R469-472			RK73GB1J472J	CHIP R	4.7K	J 1/16W
R473,474			RK73GB1J100J	CHIP R	10	J 1/16W
R475-478			RK73GB1J511J	CHIP R	510	J 1/16W
R479,480			RK73GB1J471J	CHIP R	470	J 1/16W
R481,482			RK73GB1J121J	CHIP R	120	J 1/16W
R483,484			RK73GB1J100J	CHIP R	10	J 1/16W
R485,486			RK73GB1J1R0J	CHIP R	1	J 1/16W
R550			RK73GB1J101J	CHIP R	100	J 1/16W
R601			RK73FB2A1R0J	CHIP R	1	J 1/10W
R602-605			RK73GB1J103J	CHIP R	10K	J 1/16W
R606,607			RK73GB1J470J	CHIP R	47	J 1/16W
R608			RK73GB1J103J	CHIP R	10K	J 1/16W
R609			RK73FB2A1R0J	CHIP R	1	J 1/10W
R610,611			RK73GB1J470J	CHIP R	47	J 1/16W
R612-615			RK73GB1J103J	CHIP R	10K	J 1/16W
R616-618			RK73FB2A1R0J	CHIP R	1	J 1/10W
R619-621			RK73GB1J103J	CHIP R	10K	J 1/16W
R622			RK73FB2A1R0J	CHIP R	1	J 1/10W

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Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
R623			RK73GB1J105J	CHIP R 1.0M J 1/16W		
R624			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R625			RK73FB2A1R0J	CHIP R 1 J 1/10W		
R626			RK73GB1J103J	CHIP R 10K J 1/16W		
R627,628			RK73FB2A1R0J	CHIP R 1 J 1/10W		
R629			RK73GB1J103J	CHIP R 10K J 1/16W		
R630-639			RK73GB1J101J	CHIP R 100 J 1/16W		
R640-648			RK73FB2A1R0J	CHIP R 1 J 1/10W		
R649-652			RK73GB1J101J	CHIP R 100 J 1/16W		
R653			RK73FB2A1R0J	CHIP R 1 J 1/10W		
R654,655			RK73GB1J103J	CHIP R 10K J 1/16W		
R656			RK73FB2A1R0J	CHIP R 1 J 1/10W		
R657			RK73GB1J103J	CHIP R 10K J 1/16W		
R658			RK73GB1J101J	CHIP R 100 J 1/16W		
R659-664			RK73FB2A1R0J	CHIP R 1 J 1/10W		
R665-667			RK73GB1J101J	CHIP R 100 J 1/16W		
R668			RK73FB2A1R0J	CHIP R 1 J 1/10W		
R669-671			RK73GB1J101J	CHIP R 100 J 1/16W		
R672			RK73GB1J103J	CHIP R 10K J 1/16W		
R673			RK73GB1J101J	CHIP R 100 J 1/16W		
R674			RK73FB2A100J	CHIP R 10 J 1/10W		
R675			RK73FB2A1R0J	CHIP R 1 J 1/10W		
R701-708			RK73GB1J101J	CHIP R 100 J 1/16W		
R709,710			RK73GB1J472J	CHIP R 4.7K J 1/16W		
R711-719			RK73GB1J101J	CHIP R 100 J 1/16W		
R720			RK73GB1J472J	CHIP R 4.7K J 1/16W		
R721-723			RK73GB1J101J	CHIP R 100 J 1/16W		
R724-727			RK73FB2A1R0J	CHIP R 1 J 1/10W		
R728-731			RK73GB1J101J	CHIP R 100 J 1/16W		
R732-734			RK73FB2A1R0J	CHIP R 1 J 1/10W		
R801-854			RK73GB1J473J	CHIP R 47K J 1/16W		
R855			RK73GB1J105J	CHIP R 1.0M J 1/16W		
R856			RK73FB2A1R0J	CHIP R 1 J 1/10W		
R857			RK73GB1J183J	CHIP R 18K J 1/16W		
R858			RK73GB1J123J	CHIP R 12K J 1/16W		
R859			RK73GB1J183J	CHIP R 18K J 1/16W		
R860			RK73GB1J473J	CHIP R 47K J 1/16W		
R861			RK73FB2A1R0J	CHIP R 1 J 1/10W		
R862-864			RK73GB1J473J	CHIP R 47K J 1/16W		
R865,866			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R867			RK73FB2A1R0J	CHIP R 1 J 1/10W		
R868,869			RK73GB1J473J	CHIP R 47K J 1/16W		
R871-875			RK73GB1J471J	CHIP R 470 J 1/16W		
R876			RK73GB1J512J	CHIP R 5.1K J 1/16W		
R877-895			RK73GB1J471J	CHIP R 470 J 1/16W		
R896-900			RK73GB1J221J	CHIP R 220 J 1/16W		
R901-905			RK73GB1J471J	CHIP R 470 J 1/16W		
R911-915			RK73GB1J473J	CHIP R 47K J 1/16W		
R951-954			RK73FB2A181J	CHIP R 180 J 1/10W		
R955-960			RK73FB2A1R0J	CHIP R 1 J 1/10W		
R961			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R962-967			RK73FB2A1R0J	CHIP R 1 J 1/10W		
R969-972			RK73FB2A1R0J	CHIP R 1 J 1/10W		
R973-976			RK73FB2A390J	CHIP R 39 J 1/10W		
R999			RK73GB1J1R0J	CHIP R 1 J 1/16W		

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D3 -6			DA204U	DIODE		
D3 -6			1SS302	DIODE		
IC1 -4			TC74HCU04AF	IC(HEX INVERTER SMD)		
IC5			TC74HC151AF	MOS-IC		
IC6		*	AK4112BVF	MOS-IC		
IC7		*	AK5383VF	MOS-IC		
IC8 ,9			NJM4565MD	IC(OP AMP X2)		
IC11		*	AK4393-VF	MOS-IC		
IC11			AK4393VF	MOS-IC		
IC12,13			NJM4565MD	IC(OP AMP X2)		
IC14			AK4393-VF	MOS-IC		
IC14		*	AK4393VF	MOS-IC		
IC15,16			NJM4565MD	IC(OP AMP X2)		
IC17		*	AK4393-VF	MOS-IC		
IC17			AK4393VF	MOS-IC		
IC18,19			NJM4565MD	IC(OP AMP X2)		
IC20			AK4393-VF	MOS-IC		
IC20		*	AK4393VF	MOS-IC		
IC21,22			NJM4565MD	IC(OP AMP X2)		
IC31		*	ADSSST-A-3525	MOS-IC		
IC32		*	49BV008A1ALA	MOS-IC		
IC33,34			HY57V16160DTC	MEMORY IC		
IC35			TC7S04F	IC(2CH NAND GATE)		
IC36,37			TC7SHU04FU	MOS-IC		
IC38			TC74HC08AF	MOS-IC		
IC39,40		*	TC74LVX573F	MOS-IC		
IC41			TC7SH32F	MOS-IC		
IC42			TC7SH02F	MOS-IC		
IC43		*	UPD784224K507	MI-COM IC		
IC44			TC74VHC125F	MOS-IC		
IC45			TC7WH34FK	MOS-IC		
IC51			UPC29L33T	ANALOGUE IC		
IC52		*	PQ3DZ13	ANALOGUE IC		
IC53,54		*	UPC29M05T	ANALOGUE IC		
CONTROL (X11-3890-11)						
C1 -14			CC73GCH1H221J	CHIP C 220PF	J	
C45 -48			CC73GCH1H101J	CHIP C 100PF	J	
C49 ,50			CE04KW1H470M	ELECTRO 47UF	50WV	
C53 ,54			CE04KW1H100M	ELECTRO 10UF	50WV	
C55 ,56			CC73GCH1H221J	CHIP C 220PF	J	
C57 ,58			CE04KW1A101M	ELECTRO 100UF	10WV	
C61 ,62			CQ93FMG1H123J	MYLAR 0.012UF	J	
C63 ,64			CQ93FMG1H332J	MYLAR 3300PF	J	
C65 ,66			CE04KW1H4R7M	ELECTRO 4.7UF	50WV	
C67 ,68			CC73GCH1H101J	CHIP C 100PF	J	
C69 ,70			CC73GCH1H181J	CHIP C 180PF	J	
C71 -78			CC73GCH1H101J	CHIP C 100PF	J	
C81 -84			CC73GCH1H101J	CHIP C 100PF	J	
C85 ,86			CE04KW1H4R7M	ELECTRO 4.7UF	50WV	
C87 -90			CC73GCH1H101J	CHIP C 100PF	J	
C91 ,92			CE04KW1H010M	ELECTRO 1.0UF	50WV	
C93 ,94			CE04KW1H2R2M	ELECTRO 2.2UF	50WV	
C95 -100			CC73GCH1H101J	CHIP C 100PF	J	
C101,102			CE04KW1H4R7M	ELECTRO 4.7UF	50WV	
C103,104			CC73GCH1H101J	CHIP C 100PF	J	

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C105-107 C108 C111,112 C113,114 C115,116			CC73GCH1H102J CE04KW1H220M CC73GCH1H101J CC73GCH1H561J CC73GCH1H101J	CHIP C 1000PF ELECTRO 22UF CHIP C 100PF CHIP C 560PF CHIP C 100PF	J 50WV J J J	
C117-120 C121,122 C123,124 C125,126 C127,128			CK73FB1C104K CC73GCH1H101J CE04KW1H4R7M CC45FSL1H820J CE04KW1H220M	CHIP C 0.10UF CHIP C 100PF ELECTRO 4.7UF CERAMIC 82PF ELECTRO 22UF	K J 50WV J 50WV	
C129,130 C131,132 C133 C135 C137			CC45FSL1H330J CC73GCH1H101J CE04KW1H100M CC73GCH1H101J CC45FSL1H020C	CERAMIC 33PF CHIP C 100PF ELECTRO 10UF CHIP C 100PF CERAMIC 2.0PF	J J 50WV J C	
C138 C139,140 C141,142 C143,144 C145,146			CC45FSL1H030C CC73GCH1H101J CE04KW1H4R7M CC73GCH1H101J CC73GCH1H561J	CERAMIC 3.0PF CHIP C 100PF ELECTRO 4.7UF CHIP C 100PF CHIP C 560PF	C J 50WV J J	
C147-150 C151,152 C153,154 C155,156 C157,158			CK73FB1C104K CE04KW1H4R7M CC45FSL1H470J CE04KW1H220M CC45FSL1H330J	CHIP C 0.10UF ELECTRO 4.7UF CERAMIC 47PF ELECTRO 22UF CERAMIC 33PF	K 50WV J 50WV J	
C159-163 C165 C166 C167 C169,170			CC73GCH1H101J CC45FSL1H020C CC45FSL1H030C CE04KW1H100M CC73GCH1H101J	CHIP C 100PF CERAMIC 2.0PF CERAMIC 3.0PF ELECTRO 10UF CHIP C 100PF	J C C 50WV J	
C181,182 C183,184 C191,192 C193,194 C195,196			CE04KW1H4R7M CC73GCH1H101J CE04KW1H4R7M CC45FSL1H470J CE04KW1H220M	ELECTRO 4.7UF CHIP C 100PF ELECTRO 4.7UF CERAMIC 47PF ELECTRO 22UF	50WV J 50WV J 50WV	
C197 C198 C199-204 C205,206 C207			CC45FSL1H330J CC45FSL1H101J CC73GCH1H101J CC45FSL1H020C CE04KW1H100M	CERAMIC 33PF CERAMIC 100PF CHIP C 100PF CERAMIC 2.0PF ELECTRO 10UF	J J J C 50WV	
C209,210 C211,212 C213-216 C221,222 C223,224			CC73GCH1H101J CE04KW1H4R7M CC73GCH1H101J CE04KW1H4R7M CC45FSL1H470J	CHIP C 100PF ELECTRO 4.7UF CHIP C 100PF ELECTRO 4.7UF CERAMIC 47PF	J 50WV J 50WV J	
C225,226 C227,228 C229-233 C234 C235			CE04KW1H220M CC45FSL1H330J CC73GCH1H101J CE04KW1H100M CC45FSL1H020C	ELECTRO 22UF CERAMIC 33PF CHIP C 100PF ELECTRO 10UF CERAMIC 2.0PF	50WV J J 50WV C	
C236 C301-318 C351-356 C357-376 C377,378			CC45FSL1H030C CC73GCH1H221J CE04KW1H2R2M CC73GCH1H101J CK73GB1H103K	CERAMIC 3.0PF CHIP C 220PF ELECTRO 2.2UF CHIP C 100PF CHIP C 0.010UF	C J 50WV J K	

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C381,382 C383,384 C401,402 C403-410 C411,412			CE04KW1H220M CE04KW1H100M CE04KW1H2R2M CC73GCH1H101J CE04KW1H220M	ELECTRO 22UF ELECTRO 10UF ELECTRO 2.2UF CHIP C 100PF ELECTRO 22UF	50WV 50WV 50WV J 50WV	
C413-415 C421 C422,423 C425 C427			CE04KW1H4R7M CE04KW1H100M CC73GCH1H101J CE04KW1H220M CC73GCH1H101J	ELECTRO 4.7UF ELECTRO 10UF CHIP C 100PF ELECTRO 22UF CHIP C 100PF	50WV 50WV J 50WV J	
C431-440 C441,442 C443,444 C451,452 C453,454			CC73GCH1H101J CE04KW1H220M CC73GCH1H101J CE04KW1H2R2M CC73GCH1H101J	CHIP C 100PF ELECTRO 22UF CHIP C 100PF ELECTRO 2.2UF CHIP C 100PF	J 50WV J 50WV J	
C455,456 C457-462 C463,464 C465,466 C467			CE04KW1H220M CC73GCH1H101J CE04KW1H4R7M CC73GCH1H101J CE04KW1H100M	ELECTRO 22UF CHIP C 100PF ELECTRO 4.7UF CHIP C 100PF ELECTRO 10UF	50WV J 50WV J 50WV	
C469,470 C471,472 C473,474 C475,476 C477,478			CC73GCH1H101J CE04KW1H010M CC73GCH1H561J CE04KW1H010M CC73GCH1H270J	CHIP C 100PF ELECTRO 1.0UF CHIP C 560PF ELECTRO 1.0UF CHIP C 27PF	J 50WV J 50WV J	
C479,480 C481,482 C483,484 C485,486 C487,488			CK73GB1H562K CK73FB1H183K CE04KW1H100M CK73FB1H153K CK73FB1H683K	CHIP C 5600PF CHIP C 0.018UF ELECTRO 10UF CHIP C 0.015UF CHIP C 0.068UF	K K 50WV K K	
C489,490 C491-495 C501-506 C509,510 C513-518			CC73GCH1H821J CC73GCH1H101J CC73GCH1H101J CC73GCH1H101J CC73GCH1H101J	CHIP C 820PF CHIP C 100PF CHIP C 100PF CHIP C 100PF CHIP C 100PF	J J J J J	
C549,550 C551-554 C555,556 C557,558 C559,560			CC73GCH1H101J CE04KW1H4R7M CC45FSL1H101J CE04KW1H220M CC45FSL1H330J	CHIP C 100PF ELECTRO 4.7UF CERAMIC 100PF ELECTRO 22UF CERAMIC 33PF	J 50WV J 50WV J	
C561,562 C563 C564 C565,566 C567			CC73GCH1H101J CC45FSL1H020C CC45FSL1H030C CK73GB1H103K CC73GCH1H101J	CHIP C 100PF CERAMIC 2.0PF CERAMIC 3.0PF CHIP C 0.010UF CHIP C 100PF	J C C K J	
C568			CE04KW1H100M	ELECTRO 10UF	50WV	
CN1 CN2 CN3 CN11 CN12,13		*	E40-8319-05 E40-8250-05 E40-8354-05 E40-8318-05 E40-9835-05	FLAT CABLE CONNECTOR FLAT CABLE CONNECTOR FLAT CABLE CONNECTOR FLAT CABLE CONNECTOR SOCKET FOR PIN ASSY		
J1 ,2 J11 ,12 J13			E63-1113-05 E63-1111-05 E63-1115-05	PIN JACK PIN JACK PIN JACK		

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R1 ,2			RK73GB1J102J	CHIP R	1.0K	J 1/16W
R3 ,4			RK73GB1J222J	CHIP R	2.2K	J 1/16W
R5 ,10			RK73GB1J102J	CHIP R	1.0K	J 1/16W
R11 ,12			RK73GB1J222J	CHIP R	2.2K	J 1/16W
R13 ,14			RK73GB1J102J	CHIP R	1.0K	J 1/16W
R15 ,28			RK73GB1J474J	CHIP R	470K	J 1/16W
R45 ,48			RK73GB1J102J	CHIP R	1.0K	J 1/16W
R51 ,52			RK73GB1J224J	CHIP R	220K	J 1/16W
R53 ,54			RK73GB1J222J	CHIP R	2.2K	J 1/16W
R55 ,56			RK73GB1J303J	CHIP R	30K	J 1/16W
R57 ,58			RK73GB1J361J	CHIP R	360	J 1/16W
R59 ,60			RK73GB1J101J	CHIP R	100	J 1/16W
R61 ,62			RK73GB1J274J	CHIP R	270K	J 1/16W
R63 ,64			RK73GB1J223J	CHIP R	22K	J 1/16W
R65 ,66			RK73GB1J473J	CHIP R	47K	J 1/16W
R67 ,68			RK73GB1J102J	CHIP R	1.0K	J 1/16W
R72			RK73GB1J103J	CHIP R	10K	J 1/16W
R75 ,76			RK73GB1J102J	CHIP R	1.0K	J 1/16W
R77 ,78			RK73GB1J100J	CHIP R	10	J 1/16W
R80			RK73GB1J681J	CHIP R	680	J 1/16W
R81 ,82			RK73GB1J472J	CHIP R	4.7K	J 1/16W
R83 ,84			RK73GB1J102J	CHIP R	1.0K	J 1/16W
R85 ,86			RK73GB1J101J	CHIP R	100	J 1/16W
R87 ,88			RK73GB1J224J	CHIP R	220K	J 1/16W
R89 ,90			RK73GB1J471J	CHIP R	470	J 1/16W
R91 ,92			RK73GB1J474J	CHIP R	470K	J 1/16W
R93 ,94			RK73GB1J471J	CHIP R	470	J 1/16W
R95 ,96			RK73GB1J224J	CHIP R	220K	J 1/16W
R97 ,98			RK73GB1J101J	CHIP R	100	J 1/16W
R99 ,100			RK73GB1J470J	CHIP R	47	J 1/16W
R111,112			RK73GB1J104J	CHIP R	100K	J 1/16W
R113,114			RK73GB1J224J	CHIP R	220K	J 1/16W
R115,116			RK73GB1J822J	CHIP R	8.2K	J 1/16W
R117,118			RK73GB1J470J	CHIP R	47	J 1/16W
R119,120			RK73GB1J105J	CHIP R	1.0M	J 1/16W
R121,122			RK73GB1J124J	CHIP R	120K	J 1/16W
R123,124			RK73GB1J302J	CHIP R	3.0K	J 1/16W
R125,126			RK73GB1J133J	CHIP R	13K	J 1/16W
R127,128			RK73GB1J100J	CHIP R	10	J 1/16W
R129			RK73GB1J102J	CHIP R	1.0K	J 1/16W
R130			RK73GB1J103J	CHIP R	10K	J 1/16W
R131,132			RK73GB1J2R2J	CHIP R	2.2	J 1/16W
R133,134			RK73GB1J102J	CHIP R	1.0K	J 1/16W
R141,142			RK73GB1J104J	CHIP R	100K	J 1/16W
R143,144			RK73GB1J224J	CHIP R	220K	J 1/16W
R145,146			RK73GB1J822J	CHIP R	8.2K	J 1/16W
R147,148			RK73GB1J470J	CHIP R	47	J 1/16W
R149,150			RK73GB1J102J	CHIP R	1.0K	J 1/16W
R151,152			RK73GB1J124J	CHIP R	120K	J 1/16W
R153,154			RK73GB1J103J	CHIP R	10K	J 1/16W
R155,156			RK73GB1J332J	CHIP R	3.3K	J 1/16W
R157,158			RK73GB1J163J	CHIP R	16K	J 1/16W
R159,160			RK73GB1J133J	CHIP R	13K	J 1/16W
R161,162			RK73GB1J470J	CHIP R	47	J 1/16W
R163,164			RK73GB1J100J	CHIP R	10	J 1/16W

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Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
R165			RK73GB1J102J	CHIP R	1.0K	J 1/16W
R166			RK73GB1J472J	CHIP R	4.7K	J 1/16W
R167,168			RK73GB1J105J	CHIP R	1.0M	J 1/16W
R169			RK73GB1J472J	CHIP R	4.7K	J 1/16W
R171,172			RK73GB1J100J	CHIP R	10	J 1/16W
R173,174			RK73GB1J2R2J	CHIP R	2.2	J 1/16W
R181,182			RK73GB1J104J	CHIP R	100K	J 1/16W
R183,184			RK73GB1J102J	CHIP R	1.0K	J 1/16W
R187,188			RK73GB1J470J	CHIP R	47	J 1/16W
R189,190			RK73GB1J105J	CHIP R	1.0M	J 1/16W
R191,192			RK73GB1J124J	CHIP R	120K	J 1/16W
R193,194			RK73GB1J103J	CHIP R	10K	J 1/16W
R195			RK73GB1J332J	CHIP R	3.3K	J 1/16W
R196			RK73GB1J472J	CHIP R	4.7K	J 1/16W
R197			RK73GB1J163J	CHIP R	16K	J 1/16W
R198			RK73GB1J153J	CHIP R	15K	J 1/16W
R199			RK73GB1J133J	CHIP R	13K	J 1/16W
R200			RK73GB1J333J	CHIP R	33K	J 1/16W
R201,202			RK73GB1J100J	CHIP R	10	J 1/16W
R203			RK73GB1J470J	CHIP R	47	J 1/16W
R204			RK73GB1J102J	CHIP R	1.0K	J 1/16W
R205,206			RK73GB1J2R2J	CHIP R	2.2	J 1/16W
R211,212			RK73GB1J104J	CHIP R	100K	J 1/16W
R213,214			RK73GB1J102J	CHIP R	1.0K	J 1/16W
R217,218			RK73GB1J470J	CHIP R	47	J 1/16W
R219,220			RK73GB1J105J	CHIP R	1.0M	J 1/16W
R221,222			RK73GB1J124J	CHIP R	120K	J 1/16W
R223,224			RK73GB1J103J	CHIP R	10K	J 1/16W
R225,226			RK73GB1J332J	CHIP R	3.3K	J 1/16W
R227,228			RK73GB1J163J	CHIP R	16K	J 1/16W
R229,230			RK73GB1J133J	CHIP R	13K	J 1/16W
R231,232			RK73GB1J470J	CHIP R	47	J 1/16W
R233,234			RK73GB1J100J	CHIP R	10	J 1/16W
R235			RK73GB1J102J	CHIP R	1.0K	J 1/16W
R237,238			RK73GB1J2R2J	CHIP R	2.2	J 1/16W
R301,302			RK73GB1J222J	CHIP R	2.2K	J 1/16W
R303,304			RK73GB1J102J	CHIP R	1.0K	J 1/16W
R305,306			RK73GB1J222J	CHIP R	2.2K	J 1/16W
R307-318			RK73GB1J102J	CHIP R	1.0K	J 1/16W
R319-336			RK73GB1J474J	CHIP R	470K	J 1/16W
R351-356			RK73GB1J471J	CHIP R	470	J 1/16W
R357-362			RK73GB1J224J	CHIP R	220K	J 1/16W
R363-366			RK73GB1J101J	CHIP R	100	J 1/16W
R367			RK73GB1J472J	CHIP R	4.7K	J 1/16W
R368			RK73GB1J101J	CHIP R	100	J 1/16W
R369-372			RK73GB1J470J	CHIP R	47	J 1/16W
R373			RK73GB1J222J	CHIP R	2.2K	J 1/16W
R381,382			RK73GB1J470J	CHIP R	47	J 1/16W
R383,384			RK73GB1J224J	CHIP R	220K	J 1/16W
R385-390			RK73GB1J472J	CHIP R	4.7K	J 1/16W
R391,392			RK73GB1J622J	CHIP R	6.2K	J 1/16W
R401,402			RK73GB1J224J	CHIP R	220K	J 1/16W
R403,404			RK73GB1J101J	CHIP R	100	J 1/16W
R421			RK73GB1J224J	CHIP R	220K	J 1/16W
R422			RK73GB1J101J	CHIP R	100	J 1/16W

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R423,424 R425 R427,428 R429,430 R431,432			RK73GB1J472J RK73GB1J470J RK73GB1J104J RK73GB1J100J RK73GB1J152J	CHIP R 4.7K J 1/16W CHIP R 47 J 1/16W CHIP R 100K J 1/16W CHIP R 10 J 1/16W CHIP R 1.5K J 1/16W		
R433,434 R435-442 R443,444 R451 R452			RK73GB1J272J RK73GB1J472J RK73GB1J104J RK73GB1J332J RK73GB1J103J	CHIP R 2.7K J 1/16W CHIP R 4.7K J 1/16W CHIP R 100K J 1/16W CHIP R 3.3K J 1/16W CHIP R 10K J 1/16W		
R453 R454 R455,456 R457,458 R459,460			RK73GB1J152J RK73GB1J103J RK73GB1J102J RK73GB1J224J RK73GB1J472J	CHIP R 1.5K J 1/16W CHIP R 10K J 1/16W CHIP R 1.0K J 1/16W CHIP R 220K J 1/16W CHIP R 4.7K J 1/16W		
R461,462 R463,464 R465,466 R467-469 R471,472			RK73GB1J224J RK73GB1J472J RK73GB1J470J RK73GB1J104J RK73GB1J822J	CHIP R 220K J 1/16W CHIP R 4.7K J 1/16W CHIP R 47 J 1/16W CHIP R 100K J 1/16W CHIP R 8.2K J 1/16W		
R473,474 R475,476 R477,478 R479,480 R481,482			RK73GB1J202J RK73GB1J124J RK73GB1J433J RK73GB1J184J RK73GB1J394J	CHIP R 2.0K J 1/16W CHIP R 120K J 1/16W CHIP R 43K J 1/16W CHIP R 180K J 1/16W CHIP R 390K J 1/16W		
R483-486 R487,488 R489,490 R491,492 R493,494			RK73GB1J392J RK73GB1J821J RK73GB1J163J RK73GB1J684J RK73GB1J223J	CHIP R 3.9K J 1/16W CHIP R 820 J 1/16W CHIP R 16K J 1/16W CHIP R 680K J 1/16W CHIP R 22K J 1/16W		
R495,496 R497 R498,499 R500,501 R502			RK73GB1J102J RK73GB1J103J RK73GB1J472J RK73GB1J102J RK73GB1J103J	CHIP R 1.0K J 1/16W CHIP R 10K J 1/16W CHIP R 4.7K J 1/16W CHIP R 1.0K J 1/16W CHIP R 10K J 1/16W		
R503 R504 R505,506 R507-520 R549-552			RK73GB1J102J RK73GB1J103J RK73GB1J472J RK73GB1J102J RK73GB1J104J	CHIP R 1.0K J 1/16W CHIP R 10K J 1/16W CHIP R 4.7K J 1/16W CHIP R 1.0K J 1/16W CHIP R 100K J 1/16W		
R553,554 R555,556 R557,558 R559,560 R561,562			RK73GB1J103J RK73GB1J332J RK73GB1J163J RK73GB1J133J RK73GB1J470J	CHIP R 10K J 1/16W CHIP R 3.3K J 1/16W CHIP R 16K J 1/16W CHIP R 13K J 1/16W CHIP R 47 J 1/16W		
R563 R564 R565,566 R567,568 W201-204			RK73GB1J103J RK73GB1J102J RK73GB1J2R2J RK73GB1J100J R92-1963-05	CHIP R 10K J 1/16W CHIP R 1.0K J 1/16W CHIP R 2.2 J 1/16W CHIP R 10 J 1/16W JUMPER WIRE (RESISTOR TYPE)		
W205,206 W207-215 W501-539			R92-0679-05 R92-1963-05 R92-1963-05	CHIP R 0 OHM JUMPER WIRE (RESISTOR TYPE) JUMPER WIRE (RESISTOR TYPE)		
D3 ,4			MA111	DIODE		

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D5 -8 D5 -8 IC1 IC2 IC3			DA204U 1SS302 NJM4580ED NJU7312AM NJU7313AM	DIODE DIODE ANALOGUE IC MOS-IC ANALOGUE IC		
IC4 ,5 IC6 IC7 IC8 IC9		*	NJM4565M TC9459N NJM4565M TC9459N NJM4565MD	ANALOGUE IC MOS-IC ANALOGUE IC MOS-IC IC(OP AMP X2)		
IC10 IC11 IC12 IC13 IC21		*	TC9459N NJM4565MD TC9459N NJM4565MD NJU7312AM	MOS-IC IC(OP AMP X2) MOS-IC IC(OP AMP X2) MOS-IC		
IC22 IC23 IC24 IC25-28 IC29-33			NJU7313AM NJU7311AM NJU7313AM NJM4565MD NJM4565M	ANALOGUE IC MOS-IC ANALOGUE IC IC(OP AMP X2) ANALOGUE IC		
IC34 IC35 IC36 Q1 -8 Q11 ,12		*	TC9184AP TC9459N NJM4565M 2SC2878(B) 2SC2878(B)	MOS-IC MOS-IC ANALOGUE IC TRANSISTOR TRANSISTOR		
Q13 Q13 Q14 Q14 Q15 -18			2SA1576A(R,S) 2SA1586(Y,GR) DTC124EUA UN5212 2SC2878(B)	TRANSISTOR TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR TRANSISTOR		
SUB (X13-7840-13)						
C4 C5 C6 C7 C8			C90-1826-05 CE04KW1A101M CK73GF1E104Z CK73GB1H103K CE04KW1H010M	BACKUP-C ELECTRO CHIP C CHIP C ELECTRO	0.047F 100UF 0.10UF 0.010UF 1.0UF	5.5WV 10WV Z K 50WV
C9 ,10 C11 C12 C13 ,14 C20			CK73GB1H103K CE04KW1E470M CE04KW1A101M CK73GF1E104Z CK73GF1E104Z	CHIP C ELECTRO ELECTRO CHIP C CHIP C	0.010UF 47UF 100UF 0.10UF 0.10UF	K 25WV 10WV Z Z
C21 ,22 C23 ,24 C41 C42 C45 -50			CC73GCH1H101J CK73GB1H103K CE04KW1E102M CE04KW1H100M CE04KW1H100M	CHIP C CHIP C ELECTRO ELECTRO ELECTRO	100PF 0.010UF 1000UF 10UF 10UF	J K 25WV 50WV 50WV
C51 C52 C98 ,99 C101,102 C110			CE04KW1E221M CE04KW1E101M CE04KW1H100M CC73GCH1H560J CK73GB1H472K	ELECTRO ELECTRO ELECTRO CHIP C CHIP C	220UF 100UF 10UF 56PF 4700PF	25WV 25WV 50WV J K
C201 C202 C229 C231			CE04KW1H010M CK73GB1H472K CC73GCH1H102J CE04KW1H100M	ELECTRO CHIP C CHIP C ELECTRO	1.0UF 4700PF 1000PF 10UF	50WV K J 50WV

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C231			CE04KW1H100M	ELECTRO	10UF	50WV
C232			CC73GCH1H331J	CHIP C	330PF	J
C232			CC73GCH1H331J	CHIP C	330PF	J
C233			CC73GCH1H561J	CHIP C	560PF	J
C233			CC73GCH1H561J	CHIP C	560PF	J
C234, 235			CC73GCH1H220J	CHIP C	22PF	J
C234, 235			CC73GCH1H220J	CHIP C	22PF	J
C236			CE04KW1H100M	ELECTRO	10UF	50WV
C236			CE04KW1H100M	ELECTRO	10UF	50WV
C237			CK73GB1H472K	CHIP C	4700PF	K
C237			CK73GB1H472K	CHIP C	4700PF	K
C300			CK45FF1H103Z	CERAMIC	0.010UF	Z
C301, 302			CE04KW1V102M	ELECTRO	1000UF	35WV
C307			CC73GCH1H102J	CHIP C	1000PF	J
C308			CC73GCH1H101J	CHIP C	100PF	J
C309			CE04KW1H100M	ELECTRO	10UF	50WV
C310			CE04KW1E221M	ELECTRO	220UF	25WV
C311, 312			CE04KW1E470M	ELECTRO	47UF	25WV
C320			CK45FF1H103Z	CERAMIC	0.010UF	Z
C321			CE04KW1C472M	ELECTRO	4700UF	16WV
C322			CE04KW1E101M	ELECTRO	100UF	25WV
C323			CE04KW1A101M	ELECTRO	100UF	10WV
C328, 329			CE04KW1E470M	ELECTRO	47UF	25WV
C330			CK45FF1H103Z	CERAMIC	0.010UF	Z
C331			CE04KW1V102M	ELECTRO	1000UF	35WV
C333, 334			CE04KW1E470M	ELECTRO	47UF	25WV
C410			CE04KW1A101M	ELECTRO	100UF	10WV
C501-508			CC73GCH1H101J	CHIP C	100PF	J
C509, 510			CE04KW1A471M	ELECTRO	470UF	10WV
C511-515			CE04KW1A101M	ELECTRO	100UF	10WV
C517			CK73GB1H103K	CHIP C	0.010UF	K
C518			CE04KW1A101M	ELECTRO	100UF	10WV
C519			CE04KW1H010M	ELECTRO	1.0UF	50WV
C521			CE04KW1E470M	ELECTRO	47UF	25WV
C522			CE04KW1A471M	ELECTRO	470UF	10WV
C523-527			CE04KW1A101M	ELECTRO	100UF	10WV
C529			CK73GB1H182K	CHIP C	1800PF	K
C529			CK73GB1H182K	CHIP C	1800PF	K
C530			CC73GCH1H102J	CHIP C	1000PF	J
C530			CC73GCH1H102J	CHIP C	1000PF	J
C531			CE04KW1H220M	ELECTRO	22UF	50WV
C531			CE04KW1H220M	ELECTRO	22UF	50WV
C532			CE04KW1H100M	ELECTRO	10UF	50WV
C532			CE04KW1H100M	ELECTRO	10UF	50WV
C533			CK73GF1C224Z	CHIP C	0.22UF	Z
C533			CK73GF1C224Z	CHIP C	0.22UF	Z
C534			CK73GB1H103K	CHIP C	0.010UF	K
C534			CK73GB1H103K	CHIP C	0.010UF	K
C535, 536			CK73GB1H103K	CHIP C	0.010UF	K
C537			CK73GB1H103K	CHIP C	0.010UF	K
C537			CK73GB1H103K	CHIP C	0.010UF	K
C539			CE04KW1A471M	ELECTRO	470UF	10WV
C541			CK73GB1H103K	CHIP C	0.010UF	K
C544			CE04KW1H100M	ELECTRO	10UF	50WV
C601-616			CC73GCH1H101J	CHIP C	100PF	J

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C617-621			CK73GF1E104Z	CHIP C	0.10UF	Z
C622			CE04KW1A471M	ELECTRO	470UF	10WV
C623			CK73GF1E104Z	CHIP C	0.10UF	Z
C624			CE04KW1A101M	ELECTRO	100UF	10WV
C625			CK73GF1E104Z	CHIP C	0.10UF	Z
C626			CE04KW1A471M	ELECTRO	470UF	10WV
C627			CK73GF1E104Z	CHIP C	0.10UF	Z
C628			CE04KW1A101M	ELECTRO	100UF	10WV
C629			CK73GF1E104Z	CHIP C	0.10UF	Z
C630			CE04KW1A101M	ELECTRO	100UF	10WV
C631			CK73GF1E104Z	CHIP C	0.10UF	Z
C632			CE04KW1A101M	ELECTRO	100UF	10WV
C633			CK73GF1E104Z	CHIP C	0.10UF	Z
C634			CE04KW1A101M	ELECTRO	100UF	10WV
C635			CK73GF1E104Z	CHIP C	0.10UF	Z
C636			CE04KW1A471M	ELECTRO	470UF	10WV
C637			CK73GF1E104Z	CHIP C	0.10UF	Z
C638, 639			CK73GF1A105Z	CHIP C	1.0UF	Z
C640, 641			CE04KW1A101M	ELECTRO	100UF	10WV
C642			CE04KW1H010M	ELECTRO	1.0UF	50WV
C643			CK73GB1H103K	CHIP C	0.010UF	K
C644			CK73GF1E104Z	CHIP C	0.10UF	Z
C645			CE04KW1H100M	ELECTRO	10UF	50WV
C646			CK73GF1H223Z	CHIP C	0.022UF	Z
C647			CK73GB1H103K	CHIP C	0.010UF	K
C648			CK73GF1E104Z	CHIP C	0.10UF	Z
C649, 650			CE04KW1E470M	ELECTRO	47UF	25WV
C651, 652			CE04KW1A221M	ELECTRO	220UF	10WV
C653			CE04KW1H100M	ELECTRO	10UF	50WV
C654			CK73GB1H182K	CHIP C	1800PF	K
C655			CC73GCH1H102J	CHIP C	1000PF	J
C656			CE04KW1H220M	ELECTRO	22UF	50WV
C657			CE04KW1A221M	ELECTRO	220UF	10WV
C658			CK73GF1A105Z	CHIP C	1.0UF	Z
C659			CK73GB1H103K	CHIP C	0.010UF	K
C670			CK73GF1E104Z	CHIP C	0.10UF	Z
C671			CE04KW1H100M	ELECTRO	10UF	50WV
C672			CE04KW1E470M	ELECTRO	47UF	25WV
C901-903			CE04KW1H010M	ELECTRO	1.0UF	50WV
C904			CE04KW1A221M	ELECTRO	220UF	10WV
C905			CE04KW1H010M	ELECTRO	1.0UF	50WV
C906-909			CC73GCH1H101J	CHIP C	100PF	J
CN1			E40-3257-05	PIN ASSY		
CN2			E40-3256-05	PIN ASSY		
CN3			E40-4297-05	FLAT CABLE CONNECTOR		
CN4			E40-9849-05	PIN ASSY		
CN5, 6			E40-9853-05	PIN ASSY		
CN7			E40-9840-05	PIN ASSY		
CN9		*	E40-9852-05	PIN ASSY		
CN10			E40-9853-05	PIN ASSY		
CN11, 12		*	E40-9852-05	PIN ASSY		
CN13			E40-8258-05	FLAT CABLE CONNECTOR		
CN14			E40-8255-05	FLAT CABLE CONNECTOR		
CN15			E40-9849-05	PIN ASSY		

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CN16 CN501 CN601 J501,502 J503		*	E40-4296-05 E40-9836-05 E40-9835-05 E63-1125-05 E63-1123-05	FLAT CABLE CONNECTOR SOCKET FOR PIN ASSY SOCKET FOR PIN ASSY PIN JACK PIN JACK		
J601,602 J603 J901			E56-0030-05 E56-0028-05 E58-0033-05	CYLINDRICAL RECEPTACLE CYLINDRICAL RECEPTACLE RECTANGULAR RECEPTACLE		
Δ F5 -7 Δ F5 -7 Δ F5 -7 Δ F8 Δ F8			F06-1022-05 F06-1022-05 F50-0067-05 F05-3121-05 F05-3121-05	FUSE (SEMKO) (250V T1AL) FUSE (SEMKO) (250V T1AL) FUSE(5X20) FUSE (SEMKO) (250V T3.15AL) FUSE (SEMKO) (250V T3.15AL)	E1M1X1 T1E2 KK1 E1M1X1 T1E2	
Δ F8			F50-0072-05	FUSE(5X20)	KK1	
CN22-29			J13-0075-05	FUSE CLIP		
L1 -9 L10 L11 -13 L601 L602			L92-0140-05 L92-0140-05 L92-0140-05 L76-0018-05 L76-0019-05	CHIP FERRITE CHIP FERRITE CHIP FERRITE DELAY LINE DELAY LINE	M1 KK1 E1M1X1	
L602 L603 L603 X1 X2			L76-0019-05 L79-1262-05 L79-1262-05 L78-0615-05 L78-0674-05	DELAY LINE LC FILTER LC FILTER RESONATOR (12.5MHZ) RESONATOR (3.64MHZ)	T1E2 E1M1X1 T1E2	
X3 X3			L77-2002-05 L77-2002-05	CRYSTAL RESONATOR(4.332MHZ) CRYSTAL RESONATOR(4.332MHZ)	E2 K1E1T1	
Δ R1 Δ R2 R3 R4 R5			RD14NB2E100J RK73GB1J102J RD14NB2E2R2J RK73GB1J102J RK73GB1J221J	RD 10 J 1/4W CHIP R 1.0K J 1/16W RD 2.2 J 1/4W CHIP R 1.0K J 1/16W CHIP R 220 J 1/16W		
R6 R7 R8 R9 R10			RK73GB1J104J RK73GB1J102J RK73GB1J103J RK73GB1J102J RK73GB1J103J	CHIP R 100K J 1/16W CHIP R 1.0K J 1/16W CHIP R 10K J 1/16W CHIP R 1.0K J 1/16W CHIP R 10K J 1/16W		
R11 R12 R13 ,14 R15 -18 R19			RK73GB1J101J RK73GB1J105J RK73GB1J331J RK73GB1J104J RK73GB1J105J	CHIP R 100 J 1/16W CHIP R 1.0M J 1/16W CHIP R 330 J 1/16W CHIP R 100K J 1/16W CHIP R 1.0M J 1/16W		
R21 ,22 R23 ,24 R35 R41 ,42 R51 ,52			RK73GB1J332J RK73GB1J103J RK73GB1J473J RK73GB1J103J RK73GB1J473J	CHIP R 3.3K J 1/16W CHIP R 10K J 1/16W CHIP R 47K J 1/16W CHIP R 10K J 1/16W CHIP R 47K J 1/16W		
R53 ,54 R56 ,57 R58 -60 R58 -60 R61 -63			RK73GB1J472J RK73GB1J472J RK73GB1J101J RK73GB1J101J RS14KB3A332J	CHIP R 4.7K J 1/16W CHIP R 4.7K J 1/16W CHIP R 100 J 1/16W CHIP R 100 J 1/16W FL-PROOF RS 3.3K J 1W	K1E1M1 X1T1E2 K1E1M1	

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Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
R61 -63 R64 R69 R70 ,71 R72 ,73			RS14KB3A332J RK73GB1J473J RK73GB1J473J RK73GB1J332J RK73GB1J102J	FL-PROOF RS 3.3K J 1W CHIP R 47K J 1/16W CHIP R 47K J 1/16W CHIP R 3.3K J 1/16W CHIP R 1.0K J 1/16W	X1T1E2	
R74 ,75 R76 ,77 R78 ,79 R80 -87 R88			RK73GB1J103J RK73GB1J102J RK73GB1J104J RK73GB1J473J RK73GB1J2R2J	CHIP R 10K J 1/16W CHIP R 1.0K J 1/16W CHIP R 100K J 1/16W CHIP R 47K J 1/16W CHIP R 2.2 J 1/16W		
R89 R90 R91 -96 R97 R98			RK73GB1J101J RK73GB1J104J RK73GB1J102J RK73GB1J2R2J RD14NB2E471J	CHIP R 100 J 1/16W CHIP R 100K J 1/16W CHIP R 1.0K J 1/16W CHIP R 2.2 J 1/16W RD 470 J 1/4W		
R99 R100 R101 R101 R101			RK73GB1J101J RK73GB1J102J RK73GB1J182J RK73GB1J472J RK73GB1J562J	CHIP R 100 J 1/16W CHIP R 1.0K J 1/16W CHIP R 1.8K J 1/16W CHIP R 4.7K J 1/16W CHIP R 5.6K J 1/16W		
R101 R102 R102 R102 R102			RK73GB1J822J RK73GB1J103J RK73GB1J332J RK73GB1J472J RK73GB1J562J	CHIP R 8.2K J 1/16W CHIP R 10K J 1/16W CHIP R 3.3K J 1/16W CHIP R 4.7K J 1/16W CHIP R 5.6K J 1/16W		
R103 R103 R103 R103 R104			RK73GB1J103J RK73GB1J222J RK73GB1J472J RK73GB1J622J RK73GB1J472J	CHIP R 10K J 1/16W CHIP R 2.2K J 1/16W CHIP R 4.7K J 1/16W CHIP R 6.2K J 1/16W CHIP R 4.7K J 1/16W		
R104 R104 R105 R107 R108			RK73GB1J622J RK73GB1J822J RK73GB1J473J RK73GB1J272J RK73GB1J102J	CHIP R 6.2K J 1/16W CHIP R 8.2K J 1/16W CHIP R 47K J 1/16W CHIP R 2.7K J 1/16W CHIP R 1.0K J 1/16W		
R109 R110 R111,112 R113 R114			RD14NB2E101J RD14NB2E560J RD14NB2E4R7J RK73GB1J332J RK73GB1J272J	RD 100 J 1/4W RD 56 J 1/4W RD 4.7 J 1/4W CHIP R 3.3K J 1/16W CHIP R 2.7K J 1/16W		
R115 R116 R117 R118 R119			RD14NB2E122J RK73GB1J683J RK73GB1J102J RK73GB1J683J RK73GB1J332J	RD 1.2K J 1/4W CHIP R 68K J 1/16W CHIP R 1.0K J 1/16W CHIP R 68K J 1/16W CHIP R 3.3K J 1/16W		
R120 R121 R122 R123 R124			RK73GB1J683J RK73GB1J332J RK73GB1J683J RK73GB1J332J RK73GB1J683J	CHIP R 68K J 1/16W CHIP R 3.3K J 1/16W CHIP R 68K J 1/16W CHIP R 3.3K J 1/16W CHIP R 68K J 1/16W		
R125 R126 R127 R128 R130-132			RK73GB1J272J RK73GB1J103J RD14NB2E100J RS14KB3D4R7J RK73GB1J101J	CHIP R 2.7K J 1/16W CHIP R 10K J 1/16W RD 10 J 1/4W FL-PROOF RS 4.7 J 2W CHIP R 100 J 1/16W		

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PARTS LIST

KRF-X9995D/X9995D-S/VR-5700/5900

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Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
R133			RK73GB1J332J	CHIP R 3.3K J 1/16W		
R134			RK73GB1J473J	CHIP R 47K J 1/16W		
R135,136			RK73GB1J101J	CHIP R 100 J 1/16W		
R137,138			RK73GB1J332J	CHIP R 3.3K J 1/16W		
R139			RK73GB1J101J	CHIP R 100 J 1/16W		
R140,141			RK73GB1J332J	CHIP R 3.3K J 1/16W		
R142			RK73GB1J101J	CHIP R 100 J 1/16W	E1T1E2	
R150-161			RK73GB1J101J	CHIP R 100 J 1/16W		
R170			RK73GB1J103J	CHIP R 10K J 1/16W	E2	
R170			RK73GB1J103J	CHIP R 10K J 1/16W	K1E1T1	
R171-173			RK73GB1J101J	CHIP R 100 J 1/16W	KK1	
R174,175			RK73GB1J101J	CHIP R 100 J 1/16W		
R176-178			RK73GB1J101J	CHIP R 100 J 1/16W	E1T1E2	
R176-178			RK73GB1J101J	CHIP R 100 J 1/16W	K1	
R179,180			RK73GB1J101J	CHIP R 100 J 1/16W		
R181-192			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R197			RD14NB2E560J	RD 56 J 1/4W		
R198			RK73GB1J472J	CHIP R 4.7K J 1/16W		
R199			RK73GB1J101J	CHIP R 100 J 1/16W		
R200			RK73GB1J221J	CHIP R 220 J 1/16W		
R201			RK73GB1J101J	CHIP R 100 J 1/16W		
R202,203			RK73GB1J103J	CHIP R 10K J 1/16W		
R204-208			RK73GB1J101J	CHIP R 100 J 1/16W		
R209			RK73GB1J105J	CHIP R 1.0M J 1/16W		
R212,213			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R214,215			RK73GB1J104J	CHIP R 100K J 1/16W		
R216			RK73GB1J105J	CHIP R 1.0M J 1/16W		
R223,224			RK73GB1J103J	CHIP R 10K J 1/16W		
R229			RK73GB1J101J	CHIP R 100 J 1/16W		
R230			RK73GB1J220J	CHIP R 22 J 1/16W	E2	
R230			RK73GB1J220J	CHIP R 22 J 1/16W	K1E1T1	
R231,232			RK73GB1J102J	CHIP R 1.0K J 1/16W	E2	
R231,232			RK73GB1J102J	CHIP R 1.0K J 1/16W	K1E1T1	
R233			RK73GB1J103J	CHIP R 10K J 1/16W	E2	
R233			RK73GB1J103J	CHIP R 10K J 1/16W	K1E1T1	
R234			RK73GB1J221J	CHIP R 220 J 1/16W	E2	
R234			RK73GB1J221J	CHIP R 220 J 1/16W	K1E1T1	
R235,236			RK73GB1J105J	CHIP R 1.0M J 1/16W	E2	
R235,236			RK73GB1J105J	CHIP R 1.0M J 1/16W	K1E1T1	
R251-256			RK73GB1J472J	CHIP R 4.7K J 1/16W		
R257			RK73GB1J332J	CHIP R 3.3K J 1/16W		
R258,259			RK73GB1J272J	CHIP R 2.7K J 1/16W		
R264-266			RK73GB1J103J	CHIP R 10K J 1/16W		
R301-303			RK73GB1J391J	CHIP R 390 J 1/16W		
R304-306			RK73GB1J101J	CHIP R 100 J 1/16W		
R307,308			RK73GB1J222J	CHIP R 2.2K J 1/16W		
R309			RK73GB1J474J	CHIP R 470K J 1/16W		
R310			RK73GB1J163J	CHIP R 16K J 1/16W		
R311			RK73GB1J153J	CHIP R 15K J 1/16W		
R312			RK73GB1J470J	CHIP R 47 J 1/16W		
R313-315			RK73GB1J2R2J	CHIP R 2.2 J 1/16W		
R316			RK73GB1J103J	CHIP R 10K J 1/16W		
R317			RK73GB1J472J	CHIP R 4.7K J 1/16W		
R318			RK73GB1J104J	CHIP R 100K J 1/16W		
R321,322			RK73GB1J471J	CHIP R 470 J 1/16W		

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R324			RK73GB1J471J	CHIP R 470 J 1/16W		
R325			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R326,327			RK73GB1J2R2J	CHIP R 2.2 J 1/16W		
R329			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R330			RK73GB1J471J	CHIP R 470 J 1/16W		
R331			RD14NB2E332J	RD 3.3K J 1/4W		
R332			RK73GB1J221J	CHIP R 220 J 1/16W		
R333			RD14NB2E2R2J	RD 2.2 J 1/4W		
R334			RK73GB1J101J	CHIP R 100 J 1/16W		
R341-346			RD14NB2E1R0J	RD 1 J 1/4W		
R350-361			RK73GB1J473J	CHIP R 47K J 1/16W		
R370-372			RK73GB1J4R7J	CHIP R 4.7 J 1/16W		
R400			RK73GB1J473J	CHIP R 47K J 1/16W		
R401,402			RK73GB1J101J	CHIP R 100 J 1/16W		
R403			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R410,411			RD14NB2E4R7J	RD 4.7 J 1/4W		
R501			RK73GB1J104J	CHIP R 100K J 1/16W		
R502			RK73FB2A750J	CHIP R 75 J 1/10W		
R503			RK73GB1J104J	CHIP R 100K J 1/16W		
R504-507			RK73FB2A750J	CHIP R 75 J 1/10W		
R508			RK73GB1J104J	CHIP R 100K J 1/16W		
R509			RK73FB2A680J	CHIP R 68 J 1/10W		
R510			RK73GB1J104J	CHIP R 100K J 1/16W		
R511			RK73FB2A680J	CHIP R 68 J 1/10W		
R512			RK73GB1J104J	CHIP R 100K J 1/16W		
R513			RK73FB2A680J	CHIP R 68 J 1/10W		
R514,515			RK73GB1J103J	CHIP R 10K J 1/16W		
R516			RD14NB2E4R7J	RD 4.7 J 1/4W		
R517			RK73GB1J562J	CHIP R 5.6K J 1/16W	K1E1M1	
R517			RK73GB1J562J	CHIP R 5.6K J 1/16W	X1T1E2	
R518			RK73GB1J103J	CHIP R 10K J 1/16W	K1E1M1	
R518			RK73GB1J103J	CHIP R 10K J 1/16W	X1T1E2	
R519			RK73GB1J223J	CHIP R 22K J 1/16W	K1E1M1	
R519			RK73GB1J223J	CHIP R 22K J 1/16W	X1T1E2	
R520			RK73GB1J103J	CHIP R 10K J 1/16W	K1E1M1	
R520			RK73GB1J103J	CHIP R 10K J 1/16W	X1T1E2	
R521			RK73GB1J104J	CHIP R 100K J 1/16W	K1E1M1	
R521			RK73GB1J104J	CHIP R 100K J 1/16W	X1T1E2	
R522			RK73GB1J101J	CHIP R 100 J 1/16W	K1E1M1	
R522			RK73GB1J101J	CHIP R 100 J 1/16W	X1T1E2	
R523			RK73GB1J474J	CHIP R 470K J 1/16W	K1E1M1	
R523			RK73GB1J474J	CHIP R 470K J 1/16W	X1T1E2	
R524			RK73GB1J153J	CHIP R 15K J 1/16W	K1E1M1	
R524			RK73GB1J153J	CHIP R 15K J 1/16W	X1T1E2	
R525,526			RK73GB1J103J	CHIP R 10K J 1/16W	K1E1M1	
R525,526			RK73GB1J103J	CHIP R 10K J 1/16W	X1T1E2	
R527			RK73GB1J222J	CHIP R 2.2K J 1/16W	K1E1M1	
R527			RK73GB1J222J	CHIP R 2.2K J 1/16W	X1T1E2	
R528			RK73GB1J103J	CHIP R 10K J 1/16W	K1E1M1	
R528			RK73GB1J103J	CHIP R 10K J 1/16W	X1T1E2	
R529,530			RK73GB1J473J	CHIP R 47K J 1/16W		
R531-533			RK73GB1J1R0J	CHIP R 1 J 1/16W		
R534,535			RK73GB1J1R0J	CHIP R 1 J 1/16W	K1E1M1	
R534,535			RK73GB1J1R0J	CHIP R 1 J 1/16W	X1T1E2	
R536			RK73FB2A680J	CHIP R 68 J 1/10W		

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Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
R539			RK73GB1J103J	CHIP R 10K J 1/16W		
R540			RK73GB1J473J	CHIP R 47K J 1/16W		
R541			RK73GB1J104J	CHIP R 100K J 1/16W		
R542			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R543			RK73GB1J473J	CHIP R 47K J 1/16W		
R551-560			RK73GB1J101J	CHIP R 100 J 1/16W		
R563			RK73GB1J104J	CHIP R 100K J 1/16W		
R601,602			RK73GB1J104J	CHIP R 100K J 1/16W		
R603			RK73FB2A750J	CHIP R 75 J 1/10W		
R604,605			RK73GB1J104J	CHIP R 100K J 1/16W		
R606-609			RK73FB2A750J	CHIP R 75 J 1/10W		
R610,611			RK73GB1J104J	CHIP R 100K J 1/16W		
R612-616			RK73FB2A750J	CHIP R 75 J 1/10W		
R617			RK73GB1J104J	CHIP R 100K J 1/16W		
R618,619			RK73FB2A680J	CHIP R 68 J 1/10W		
R620,621			RK73GB1J104J	CHIP R 100K J 1/16W		
R622,623			RK73FB2A680J	CHIP R 68 J 1/10W		
R624			RK73GB1J104J	CHIP R 100K J 1/16W		
R625,626			RK73FB2A680J	CHIP R 68 J 1/10W		
R627-630			RK73GB1J103J	CHIP R 10K J 1/16W		
R631,632			RK73GB1J473J	CHIP R 47K J 1/16W		
R633-635			RK73GB1J1R0J	CHIP R 1 J 1/16W		
R636			RK73GB1J103J	CHIP R 10K J 1/16W		
R637			RK73GB1J273J	CHIP R 27K J 1/16W		
R638			RK73GB1J332J	CHIP R 3.3K J 1/16W		
R639,640			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R641,642			RK73GB1J1R0J	CHIP R 1 J 1/16W		
R643,644			RK73GB1J151J	CHIP R 150 J 1/16W		
R645			RK73GB1J473J	CHIP R 47K J 1/16W		
R647			RK73GB1J103J	CHIP R 10K J 1/16W		
R648			RK73GB1J223J	CHIP R 22K J 1/16W		
R649,650			RK73GB1J103J	CHIP R 10K J 1/16W		
R651			RK73GB1J562J	CHIP R 5.6K J 1/16W		
R652			RK73GB1J104J	CHIP R 100K J 1/16W		
R653			RK73GB1J101J	CHIP R 100 J 1/16W		
R654			RK73GB1J474J	CHIP R 470K J 1/16W		
R655			RK73GB1J103J	CHIP R 10K J 1/16W		
R659-662			RK73GB1J911J	CHIP R 910 J 1/16W		
R663			RK73GB1J183J	CHIP R 18K J 1/16W		
R665			RK73GB1J103J	CHIP R 10K J 1/16W		
R666			RK73GB1J273J	CHIP R 27K J 1/16W		
R667			RK73GB1J332J	CHIP R 3.3K J 1/16W		
R668			RK73GB1J104J	CHIP R 100K J 1/16W		
R669,670			RK73GB1J471J	CHIP R 470 J 1/16W		
R674			RK73GB1J1R0J	CHIP R 1 J 1/16W		
R687			RK73GB1J1R0J	CHIP R 1 J 1/16W		
R830			RK73GB1J1R0J	CHIP R 1 J 1/16W		
R901-908			RK73GB1J101J	CHIP R 100 J 1/16W		
R909			RK73GB1J220J	CHIP R 22 J 1/16W		
W501,502			R92-1963-05	JUMPER WIRE (RESISTOR TYPE)		
D1			U1BC44	DIODE		
D2			MA111	DIODE		
D3			U1BC44	DIODE		
D4 -6			MA111	DIODE		
D7			DAN202U	DIODE		

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D7			1SS301	DIODE		
D8			DAP202U	DIODE		
D8			1SS300	DIODE		
D9			DAN202U	DIODE		
D9			1SS301	DIODE		
D10			DAP202U	DIODE		
D10			1SS300	DIODE		
D11 -23			MA111	DIODE		
D27 -29			U1BC44	DIODE		
D30			UDZS5.6B	ZENER DIODE		
D30			UDZ5.6B	ZENER DIODE		
D35			DAN202U	DIODE		
D35			1SS301	DIODE		
D36 ,37			MA111	DIODE		
D38			DAN202U	DIODE		
D38			1SS301	DIODE		
D41 ,42			DAP202U	DIODE		
D41 ,42			1SS300	DIODE		
D43 -45			MA111	DIODE		
Δ D51			S1ZB20(4072)	DIODE		
D52			UDZS8.2B	ZENER DIODE		
D52			UDZ8.2B	ZENER DIODE		
D53		*	UDZS7.5B	ZENER DIODE		
D53			UDZ7.5B	ZENER DIODE		
Δ D61			D4SBL20UF03	DIODE		
D62			UDZS6.2B	ZENER DIODE		
D62			UDZ6.2B	ZENER DIODE		
D63			MA111	DIODE		
Δ D71			KBP02ML-6127	DIODE		
D72			UDZ16B	ZENER DIODE		
D80 ,81			DA204U	DIODE		
D80 ,81			1SS302	DIODE		
D501			DAN202U	DIODE		
D501			1SS301	DIODE		
D502			DAP202U	DIODE		
D502			1SS300	DIODE		
D503,504			MA111	DIODE		
D505			DA204U	DIODE		K1E1M1
D505			DA204U	DIODE		X1T1E2
D505			1SS302	DIODE		K1E1M1
D505			1SS302	DIODE		X1T1E2
D505			1SS302	DIODE		
D601			DAN202U	DIODE		
D601			1SS301	DIODE		
D602			DAP202U	DIODE		
D602			1SS300	DIODE		
D603,604			MA111	DIODE		
D605			DA204U	DIODE		
D605			1SS302	DIODE		
IC1			TA78057S	ANALOGUE IC		
IC2			S-80740AL-A4	IC(VOLTAGE DETECTOR)		
IC2		*	S-80840ALUP	MOS-IC		
IC3		*	UPD784217A516	MI-COM IC		
IC4			TC74HCT7007AF	MOS-IC		
IC5			TC74HC164AF	IC(SHIFT REGISTER)		
IC6			UPD17215GT-737	MI-COM IC		

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IC7 IC7 IC501 IC502 IC503		*	LC72723M LC72723M MM1140XFF BA7611AF BA7623F	MOS-IC MOS-IC ANALOGUE IC ANALOGUE IC ANALOGUE IC	E2 K1E1T1	
IC504 IC505 IC505 IC506 IC506			BA7649AF BA7649AF BA7649AF NJM4565M NJM4565M	ANALOGUE IC ANALOGUE IC ANALOGUE IC ANALOGUE IC ANALOGUE IC	K1E1M1 X1T1E2 X1T1M1 X1T1E2	
IC507 IC601,602 IC603 IC604 IC605,606		* *	MM1508 MM1140XFF BA7611AF BA7612F BA7623F	ANALOGUE IC ANALOGUE IC ANALOGUE IC ANALOGUE IC ANALOGUE IC		
IC607 IC608 IC901 Q1 Q1	Δ		NJM4565M UPC29M05HB MAX232NS 2SC4081(R,S) 2SC4116(Y,GR)	ANALOGUE IC ANALOGUE IC MOS-IC TRANSISTOR TRANSISTOR		
Q2 Q2 Q3 Q3 Q4			DTC124EUA UN5212 DTA113ZUA UN5119 DTC143TUA	DIGITAL TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR	M1 M1	
Q4 Q5 Q5 Q6 Q6			UN5216 DTA113ZUA UN5119 DTC143TUA UN5216	DIGITAL TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR		
Q7 Q7 Q8 Q8 Q9			DTA113ZUA UN5119 DTC143TUA UN5216 DTA113ZUA	DIGITAL TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR		
Q9 Q10 Q10 Q11 Q11			UN5119 DTC143TUA UN5216 DTA113ZUA UN5119	DIGITAL TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR		
Q12 Q12 Q13 Q13 Q14			DTC143TUA UN5216 DTA113ZUA UN5119 DTC143TUA	DIGITAL TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR		
Q14 Q15 Q15 Q16 Q16			UN5216 DTA143TUA UN5116 DTC124EUA UN5212	DIGITAL TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR		
Q17 Q18 Q18 Q19 Q31,32			2SC3940A(R,S) DTA143TUA UN5116 2SC4213(B) 2SK246(Y,GR)	TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR TRANSISTOR FET		

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Δ Q33,34 Δ Q35 Δ Q35 Δ Q36 Δ Q36			2SB1375 2SC4081(R,S) 2SC4116(Y,GR) 2SA1576A(R,S) 2SA1586(Y,GR)	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
Q37 Q37 Q38 Q38 Δ Q41,42			2SC4081(R,S) 2SC4116(Y,GR) 2SA1576A(R,S) 2SA1586(Y,GR) 2SB1375	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
Δ Q43 Δ Q43 Δ Q45 Δ Q46 Δ Q46			2SC4081(R,S) 2SC4116(Y,GR) 2SB1375 2SC4081(R,S) 2SC4116(Y,GR)	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
Δ Q51 Δ Q52 Δ Q52 Q61 Q61			2SD2012 2SC4081(R,S) 2SC4116(Y,GR) DTC124EUA UN5212	TRANSISTOR TRANSISTOR TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR		
Q62 Q62 Q501,502 Q503 Q503			DTA143TUA UN5116 2SC4213(B) 2SC4081(R,S) 2SC4081(R,S)	DIGITAL TRANSISTOR DIGITAL TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR	K1E1M1 X1T1E2	
Q503 Q503 Q504,505 Q504,505 Q506			2SC4116(Y,GR) 2SC4116(Y,GR) DTA124EUA UN5112 DTC124EUA	TRANSISTOR TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR	K1E1M1 X1T1E2	
Q506 Q508,509 Q601-604 Q605,606 Q605,606			UN5212 2SC4213(B) 2SC4213(B) DTA124EUA UN5112	DIGITAL TRANSISTOR TRANSISTOR TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR		
Q607 Q607 Q608,609 Q608,609 Q610,611			DTC124EUA UN5212 DTA124EUA UN5112 DTC124EUA	DIGITAL TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR		
Q610,611 Q613,614			UN5212 2SC4213(B)	DIGITAL TRANSISTOR TRANSISTOR		
DISPLAY (X25-6410-12)						
D3 -10 D11 D11 D11 D12			B30-2532-05 B30-2548-05 B30-2571-05 B30-2571-05 B30-2430-05	LED(INFRARED) LED(GRN5,HI BRT) LED(BLUE) LED(BLUE) LED(RED)	K K1E1M1 X1T1E2	
D15 -18 D15 -18 D15 -18 D19 -23 D24 ,25			B30-2571-05 B30-2571-05 B30-2573-05 B30-2430-05 B30-2571-05	LED(BLUE) LED(BLUE) LED(RED5,HI BRT) LED(RED) LED(BLUE)	K1E1M1 X1T1E2 K	
D24 ,25			B30-2571-05	LED(BLUE)	K1E1M1 X1T1E2	

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D24 ,25 D26 D30 ,31		*	B30-2573-05 B30-2597-05 B30-2430-05	LED(RED5,HI BRT) LED(RED HI-BRIGHT) LED(RED)	K	
C1 ,2 C3 C4 C5 C6			CE04RW1C101M CC73GCH1H102J CC73GCH1H101J CE04KW1H100M CK73GB1H103K	ELECTRO 100UF 16WV CHIP C 1000PF J CHIP C 100PF J ELECTRO 10UF 50WV CHIP C 0.010UF K		
C7 -22 C23 C24 C25 -27 C28			CC73GCH1H221J CE04KW1H100M CC73GCH1H471J CC73GCH1H101J CE04KW1E470M	CHIP C 220PF J ELECTRO 10UF 50WV CHIP C 470PF J CHIP C 100PF J ELECTRO 47UF 25WV		
C29 C29 C30 C30 C31			CE04RW1A101M CE04RW1A101M CK73GB1H103K CK73GB1H103K CE04KW1H101M	ELECTRO 100UF 10WV ELECTRO 100UF 10WV CHIP C 0.010UF K CHIP C 0.010UF K ELECTRO 100UF 50WV	K1E1M1 X1T1E2 K1E1M1 X1T1E2	
C33 C40 C41 -43 C44 ,45 C78 -85			CK73GF1E104Z CQ93FMG1H102J CQ93FMG1H472J CC73GCH1H221J CE04KW1E470M	CHIP C 0.10UF Z MYLAR 1000PF J MYLAR 4700PF J CHIP C 220PF J ELECTRO 47UF 25WV		
C86 C88 C91 -93 C94 C95 -97			CK73GF1E104Z CC73GCH1H270J CC73GCH1H101J CK73GF1E104Z CC73GCH1H101J	CHIP C 0.10UF Z CHIP C 27PF J CHIP C 100PF J CHIP C 0.10UF Z CHIP C 100PF J		
C105 C165,166 C170 C301,302 C303,304			CC73GCH1H101J CK73FF1C105Z CK73GB1H103K CE04KW1H220M CC73GCH1H101J	CHIP C 100PF J CHIP C 1.0UF Z CHIP C 0.010UF K ELECTRO 22UF 50WV CHIP C 100PF J		
C311,312 C313,314 C321,322 C323,324 C331,332			CE04KW1H220M CC73GCH1H101J CE04KW1H220M CC73GCH1H101J CE04KW1H220M	ELECTRO 22UF 50WV CHIP C 100PF J ELECTRO 22UF 50WV CHIP C 100PF J ELECTRO 22UF 50WV		
C333,334 C341,342 C343,344 C380 C401,402			CC73GCH1H101J CE04KW1H220M CC73GCH1H101J CC73GCH1H101J CC73GCH1H221J	CHIP C 100PF J ELECTRO 22UF 50WV CHIP C 100PF J CHIP C 100PF J CHIP C 220PF J		
C404,405 C406 C406 C407 C407			CC73GCH1H221J CC73GCH1H101J CC73GCH1H101J CK73GF1E104Z CK73GF1E104Z	CHIP C 220PF J CHIP C 100PF J CHIP C 100PF J CHIP C 0.10UF Z CHIP C 0.10UF Z	KK1E1 T1E2 KK1E1 T1E2	
C410 C411,412 C411,412 C413,414 C413,414			CE04KW1A101M CC73GCH1H102J CC73GCH1H102J CK73GF1E104Z CK73GF1E104Z	ELECTRO 100UF 10WV CHIP C 1000PF J CHIP C 1000PF J CHIP C 0.10UF Z CHIP C 0.10UF Z	KK1 E2 K1E1T1 E2 K1E1T1	
C415			CC73GCH1H101J	CHIP C 100PF J	KK1E1	

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C415 C416 C416 C417 C417			CC73GCH1H101J CC73GCH1H331J CC73GCH1H331J CC73GCH1H102J CC73GCH1H102J	CHIP C 100PF J CHIP C 330PF J CHIP C 330PF J CHIP C 1000PF J CHIP C 1000PF J	T1E2 KK1E1 T1E2 KK1E1 T1E2	
C419-421 C419-421 C430,431 C430,431			CC73GCH1H101J CC73GCH1H101J CK73GF1E104Z CK73GF1E104Z	CHIP C 100PF J CHIP C 100PF J CHIP C 0.10UF Z CHIP C 0.10UF Z	KK1E1 T1E2 KK1E1 T1E2	
CN1 CN1 CN2 CN4 CN5		*	E40-3264-05 E40-3264-05 E40-8794-05 E40-9823-05 E40-8622-05	PIN ASSY PIN ASSY PIN ASSY SOCKET FOR PIN ASSY PIN ASSY	K1E1M1 X1T1E2	
CN5 CN101 CN102 CN103 J1		*	E40-8622-05 E40-8257-05 E40-8254-05 E40-8531-05 E70-0133-05	PIN ASSY FLAT CABLE CONNECTOR FLAT CABLE CONNECTOR FLAT CABLE CONNECTOR SCREW TERMINAL BOARD	T1E2 KK1	
J5 J6 J7 J101 J102		*	E63-1121-05 E56-0026-05 E11-0190-05 E63-1176-05 E63-1177-05	PIN JACK CYLINDRICAL RECEPTACLE PHONE JACK (3P) PIN JACK PIN JACK		
J103 J201 J202 J203,204 J203,204		*	E63-1179-05 E11-0907-05 E11-0347-05 E11-0905-05 E11-0905-05	PIN JACK MINIATURE PHONE JACK(2.5MM 1P) MINIATURE PHONE JACK(2P) MINIATURE PHONE JACK(3.5MM 1P) MINIATURE PHONE JACK(3.5MM 1P)	KK1E1 T1E2	
J205,206 J205,206 J207-208 J209 J209			E11-0905-05 E11-0905-05 E11-0905-05 E11-0291-05 E11-0291-05	MINIATURE PHONE JACK(3.5MM 1P) MINIATURE PHONE JACK(3.5MM 1P) MINIATURE PHONE JACK(3.5MM 1P) MINIATURE PHONE JACK(2P) MINIATURE PHONE JACK(2P)	E2 K1E1T1 KK1E1 KK1E1 T1E2	
E1 E3 ,4			J19-6056-04 J11-0809-05	HOLDER WIRE CLAMPER		
L401 L401 L403,404 L403,404 X1			L40-1011-17 L40-1011-17 L40-1011-17 L40-1011-17 L78-0284-05	SMALL FIXED INDUCTOR(100UH,K) SMALL FIXED INDUCTOR(100UH,K) SMALL FIXED INDUCTOR(100UH,K) SMALL FIXED INDUCTOR(100UH,K) RESONATOR (5MHZ)	KK1E1 T1E2 KK1E1 T1E2	
Δ R1 R4 ,5 R6 R6 R6			RD14NB2E4R7J RS14KB3A3R9J RK73GB1J151J RK73GB1J221J RK73GB1J221J	RD 4.7 J 1/4W FL-PROOF RS 3.9 J 1W CHIP R 150 J 1/16W CHIP R 220 J 1/16W CHIP R 220 J 1/16W	K K1E1M1 X1T1E2	
Δ R7 R9 R10 -12 R14 -16 R17 -67			RK73GB1J301J RD14NB2E100J RK73GB1J473J RK73GB1J473J RK73GB1J474J	CHIP R 300 J 1/16W RD 10 J 1/4W CHIP R 47K J 1/16W CHIP R 47K J 1/16W CHIP R 470K J 1/16W		
R68 R69 ,70 R71			RK73GB1J332J RK73GB1J473J RK73GB1J105J	CHIP R 3.3K J 1/16W CHIP R 47K J 1/16W CHIP R 1.0M J 1/16W		

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R72 -74 R75 R79 R81 R82 -85			RK73GB1J473J RK73GB1J333J RS14KB3A390J RK73GB1J100J RK73GB1J221J	CHIP R 47K J 1/16W CHIP R 33K J 1/16W FL-PROOF RS 39 J 1W CHIP R 10 J 1/16W CHIP R 220 J 1/16W	K1E1M1	
R82 -85 R82 -85 R86 -90 R91 ,92 R91 ,92			RK73GB1J221J RK73GB1J271J RK73GB1J301J RK73GB1J221J RK73GB1J221J	CHIP R 220 J 1/16W CHIP R 270 J 1/16W CHIP R 300 J 1/16W CHIP R 220 J 1/16W CHIP R 220 J 1/16W	X1T1E2 K K X1T1E2 X1T1E2	
R91 ,92 R93 -106 R107 R107 R109			RK73GB1J271J RK73GB1J103J RD14NB2E100J RD14NB2E100J RK73GB1J101J	CHIP R 270 J 1/16W CHIP R 10K J 1/16W RD 10 J 1/4W RD 10 J 1/4W CHIP R 100 J 1/16W	K K K1E1M1 X1T1E2 K1E1M1	
R109 R112-114 R115 R116,117 R116,117			RK73GB1J101J RK73GB1J101J RK73GB1J473J RK73GB1J101J RK73GB1J101J	CHIP R 100 J 1/16W CHIP R 100 J 1/16W CHIP R 47K J 1/16W CHIP R 100 J 1/16W CHIP R 100 J 1/16W	X1T1E2 X1T1E2 K1E1M1 X1T1E2	
R118 R120 R121 R122 R123			RD14NB2E101J RD14NB2E330J RK73GB1J102J RK73GB1J101J RK73GB1J103J	RD 100 J 1/4W RD 33 J 1/4W CHIP R 1.0K J 1/16W CHIP R 100 J 1/16W CHIP R 10K J 1/16W	X1T1E2 X1T1E2 K1E1M1 X1T1E2 K1E1M1	
R124 R125 R125 R126,127 R128			RK73GB1J101J RK73GB1J513J RK73GB1J513J RK73GB1J2R2J RD14NB2E2R7J	CHIP R 100 J 1/16W CHIP R 51K J 1/16W CHIP R 51K J 1/16W CHIP R 2.2 J 1/16W RD 2.7 J 1/4W	K1E1M1 X1T1E2 K1E1M1	
R128 R191-198 R199 R200 R201			RD14NB2E2R7J RD14NB2E100J RK73GB1J100J RK73GB1J101J RK73GB1J102J	RD 2.7 J 1/4W RD 10 J 1/4W CHIP R 10 J 1/16W CHIP R 100 J 1/16W CHIP R 1.0K J 1/16W	X1T1E2	
R205 R211,212 R213,214 R215,216 R217			RK73GB1J681J RK73GB1J223J RK73GB1J101J RK73GB1J750J RK73GB1J474J	CHIP R 680 J 1/16W CHIP R 22K J 1/16W CHIP R 100 J 1/16W CHIP R 75 J 1/16W CHIP R 470K J 1/16W		
R218 R219-225 R232 R249 R298,299			RK73GB1J750J RK73GB1J513J RK73GB1J101J RK73GB1J103J RK73GB1J301J	CHIP R 75 J 1/16W CHIP R 51K J 1/16W CHIP R 100 J 1/16W CHIP R 10K J 1/16W CHIP R 300 J 1/16W		
R301,302 R305,306 R307,308 R311,312 R315,316			RK73GB1J224J RK73GB1J221J RK73GB1J470J RK73GB1J224J RK73GB1J221J	CHIP R 220K J 1/16W CHIP R 220 J 1/16W CHIP R 47 J 1/16W CHIP R 220K J 1/16W CHIP R 220 J 1/16W		
R317,318 R321,322 R325,326 R327,328 R331,332			RK73GB1J470J RK73GB1J224J RK73GB1J221J RK73GB1J470J RK73GB1J224J	CHIP R 47 J 1/16W CHIP R 220K J 1/16W CHIP R 220 J 1/16W CHIP R 47 J 1/16W CHIP R 220K J 1/16W		

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R335,336 R337,338 R341,342 R345,346 R347,348			RK73GB1J221J RK73GB1J470J RK73GB1J224J RK73GB1J221J RK73GB1J470J	CHIP R 220 J 1/16W CHIP R 47 J 1/16W CHIP R 220K J 1/16W CHIP R 220 J 1/16W CHIP R 47 J 1/16W		
R351-370 R380 R401 R401 R402			RK73GB1J222J RK73GB1J104J RD14NB2E471J RD14NB2E471J RK73GB1J102J	CHIP R 2.2K J 1/16W CHIP R 100K J 1/16W RD 470 J 1/4W RD 470 J 1/4W CHIP R 1.0K J 1/16W	KK1E1 T1E2 KK1E1	
R402 R403 R403 R404 R404			RK73GB1J102J RK73GB1J473J RK73GB1J473J RK73GB1J102J RK73GB1J102J	CHIP R 1.0K J 1/16W CHIP R 47K J 1/16W CHIP R 47K J 1/16W CHIP R 1.0K J 1/16W CHIP R 1.0K J 1/16W	T1E2 KK1E1 T1E2 KK1E1 T1E2	
R413,414 R413,414 R415-418 R415-418 R419			RD14NB2E101J RD14NB2E101J RK73GB1J223J RK73GB1J223J RD14NB2E471J	RD 100 J 1/4W RD 100 J 1/4W CHIP R 22K J 1/16W CHIP R 22K J 1/16W RD 470 J 1/4W	E2 K1E1T1 E2 K1E1T1 E2	
R419 R420 R420 R421,422 R421,422			RD14NB2E471J RK73GB1J102J RK73GB1J102J RK73GB1J103J RK73GB1J103J	RD 470 J 1/4W CHIP R 1.0K J 1/16W CHIP R 1.0K J 1/16W CHIP R 10K J 1/16W CHIP R 10K J 1/16W	K1E1T1 E2 K1E1T1 E2 K1E1T1	
R423 R423 R424 R424 R425			RK73GB1J102J RK73GB1J102J RD14NB2E101J RD14NB2E101J RK73GB1J102J	CHIP R 1.0K J 1/16W CHIP R 1.0K J 1/16W RD 100 J 1/4W RD 100 J 1/4W CHIP R 1.0K J 1/16W	E2 K1E1T1 KK1E1 T1E2 KK1E1	
R425 R426 R426 R427 R427			RK73GB1J102J RK73GB1J103J RK73GB1J103J RK73GB1J472J RK73GB1J472J	CHIP R 1.0K J 1/16W CHIP R 10K J 1/16W CHIP R 10K J 1/16W CHIP R 4.7K J 1/16W CHIP R 4.7K J 1/16W	T1E2 KK1E1 T1E2 KK1E1 T1E2	
R428,429 R428,429 R430 R430 R431,432			RK73GB1J102J RK73GB1J102J RK73GB1J223J RK73GB1J223J RD14NB2E471J	CHIP R 1.0K J 1/16W CHIP R 1.0K J 1/16W CHIP R 22K J 1/16W CHIP R 22K J 1/16W RD 470 J 1/4W	KK1E1 T1E2 KK1E1 T1E2 KK1E1	
R431,432 R433 R433 R434 R434			RD14NB2E471J RK73GB1J101J RK73GB1J101J RK73GB1J223J RK73GB1J223J	RD 470 J 1/4W CHIP R 100 J 1/16W CHIP R 100 J 1/16W CHIP R 22K J 1/16W CHIP R 22K J 1/16W	T1E2 KK1E1 T1E2 KK1E1 T1E2	
R435 R435 R436 R436 R437			RK73GB1J102J RK73GB1J102J RK73GB1J272J RK73GB1J272J RK73GB1J222J	CHIP R 1.0K J 1/16W CHIP R 1.0K J 1/16W CHIP R 2.7K J 1/16W CHIP R 2.7K J 1/16W CHIP R 2.2K J 1/16W	KK1E1 T1E2 KK1E1 T1E2 KK1E1	
R437 R438 R438 R439 R439			RK73GB1J222J RK73GB1J102J RK73GB1J102J RD14NB2E471J RD14NB2E471J	CHIP R 2.2K J 1/16W CHIP R 1.0K J 1/16W CHIP R 1.0K J 1/16W RD 470 J 1/4W RD 470 J 1/4W	T1E2 KK1E1 T1E2 KK1E1 T1E2	

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Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
R440,441 R440,441 R444 R444 R445			RK73GB1J473J RK73GB1J473J RK73GB1J472J RK73GB1J472J RK73GB1J102J	CHIP R 47K J 1/16W CHIP R 47K J 1/16W CHIP R 4.7K J 1/16W CHIP R 4.7K J 1/16W CHIP R 1.0K J 1/16W	KK1E1 T1E2 KK1E1 T1E2 KK1E1	
R445 R449 R449 R450 R450			RK73GB1J102J RK73GB1J180J RK73GB1J180J RD14NB2E101J RD14NB2E101J	CHIP R 1.0K J 1/16W CHIP R 18 J 1/16W CHIP R 18 J 1/16W RD 100 J 1/4W RD 100 J 1/4W	T1E2 KK1M1 X1 KK1E1 T1E2	
W202 W203 W204 W206 W207			R92-0679-05 R92-0670-05 R92-0679-05 R92-0670-05 R92-0679-05	CHIP R 0 OHM CHIP R 0 OHM CHIP R 0 OHM CHIP R 0 OHM CHIP R 0 OHM		
W208 W209 W210 W213 W213-217			R92-0670-05 R92-0679-05 R92-0670-05 R92-0670-05 R92-0670-05	CHIP R 0 OHM CHIP R 0 OHM CHIP R 0 OHM CHIP R 0 OHM CHIP R 0 OHM	K K1E1M1	
W213-217 W216,217 W219 W220			R92-0670-05 R92-0670-05 R92-0679-05 R92-0670-05	CHIP R 0 OHM CHIP R 0 OHM CHIP R 0 OHM CHIP R 0 OHM	X1T1E2 K	
S1 -17 S18 S18 S20 S20			S70-0031-05 S70-0031-05 S70-0031-05 S68-0088-05 S68-0088-05	TACT SWITCH TACT SWITCH TACT SWITCH PUSH SWITCH (POWER TYPE) PUSH SWITCH (POWER TYPE)	K1E1M1 X1T1E2 E1M1X1 T1E2	
S19			T99-0602-05	ROTARY ENCODER		
D1 ,2 D1 ,2 D13 D13 D14			MTZJ3.3(B) RD3.3ES(B2) MTZJ5.1(B) RD5.1ES(B2) MTZJ5.6(B)	ZENER DIODE ZENER DIODE ZENER DIODE ZENER DIODE ZENER DIODE		
D14 D27 ,28 D27 ,28 D29 D29			RD5.6ES(B2) DA204U 1SS302 MTZJ3.3(B) MTZJ3.3(B)	ZENER DIODE DIODE DIODE ZENER DIODE ZENER DIODE	K1E1M1 X1T1E2	
D29 D29 D403 D403 D403			RD3.3ES(B2) RD3.3ES(B2) DA204U DA204U 1SS302	ZENER DIODE ZENER DIODE DIODE DIODE DIODE	K1E1M1 X1T1E2 KK1E1 T1E2 KK1E1	
D403 D405 D405 D405 D405			1SS302 MTZJ5.6(B) MTZJ5.6(B) RD5.6ES(B2) RD5.6ES(B2)	DIODE ZENER DIODE ZENER DIODE ZENER DIODE ZENER DIODE	T1E2 E2 K1E1T1 E2 K1E1T1	
D406 D406 D406 D406			HSS104A HSS104A 1SS133 1SS133	DIODE DIODE DIODE DIODE	E2 K1E1T1 E2 K1E1T1	

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D407 D407 D407 D407 D408			MTZJ5.1(B) MTZJ5.1(B) RD5.1ES(B2) RD5.1ES(B2) DA204U	ZENER DIODE ZENER DIODE ZENER DIODE ZENER DIODE DIODE	E2 K1E1T1 E2 K1E1T1 KK1E1	
D408 D408 D408 D410 D410			DA204U 1SS302 1SS302 HSS104A HSS104A	DIODE DIODE DIODE DIODE DIODE	T1E2 KK1E1 T1E2 KK1E1 T1E2	
D410 D410 D411 D411 D411			1SS133 1SS133 DA204U DA204U 1SS302	DIODE DIODE DIODE DIODE DIODE	KK1E1 T1E2 KK1E1 T1E2 KK1E1	
D411 D412,413 D412,413 D412,413 D412,413			1SS302 HSS104A HSS104A 1SS133 1SS133	DIODE DIODE DIODE DIODE DIODE	T1E2 KK1E1 T1E2 KK1E1 T1E2	
D414 D414 ED1 IC1 IC2			HSS104A 1SS133 16-MT-62GK UPD780204-038 TA8409S	DIODE DIODE FLUORESCENT INDICATOR TUBE MI-COM IC MOS-IC	E1T1E2 E1T1E2	
IC2 IC11 IC401 IC401 Q1 -3			TA8409S TC74HC151AF TC4W53FU TC4W53FU 2SC3940A(R,S)	MOS-IC MOS-IC MOS-IC MOS-IC TRANSISTOR	K1E1M1 X1T1E2 KK1E1 T1E2	
Q4 Q4 Q5 ,6 Q5 ,6 Q7 -16			DTC124EUA UN5212 DTA124EUA UN5112 DTC124EUA	DIGITAL TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR		
Q7 -16 Q20 Q20 Q21 Q21			UN5212 DTA124EUA UN5112 DTC124EUA UN5212	DIGITAL TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR		
Q301-320 Q401 Q401 Q401 Q401			2SC2878(B) 2SC4081(R,S) 2SC4081(R,S) 2SC4116(Y,GR) 2SC4116(Y,GR)	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR	KK1E1 T1E2 KK1E1 T1E2	
Q402 Q402 Q402 Q402 Q406			DTC124EUA DTC124EUA UN5212 UN5212 DTA124EUA	DIGITAL TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR	KK1E1 T1E2 KK1E1 T1E2 E2	
Q406 Q406 Q406 Q407 Q407			DTA124EUA UN5112 UN5112 DTC124EUA DTC124EUA	DIGITAL TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR	K1E1T1 E2 K1E1T1 E2 K1E1T1	

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PARTS LIST

KRF-X9995D/X9995D-S/VR-5700/5900

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Q407			UN5212	DIGITAL TRANSISTOR	E2	
Q407			UN5212	DIGITAL TRANSISTOR	K1E1T1	
Q408			DTA124EUA	DIGITAL TRANSISTOR	E2	
Q408			DTA124EUA	DIGITAL TRANSISTOR	K1E1T1	
Q408			UN5112	DIGITAL TRANSISTOR	E2	
Q408			UN5112	DIGITAL TRANSISTOR	K1E1T1	
Q409			DTC124EUA	DIGITAL TRANSISTOR	E2	
Q409			DTC124EUA	DIGITAL TRANSISTOR	K1E1T1	
Q409			UN5212	DIGITAL TRANSISTOR	E2	
Q409			UN5212	DIGITAL TRANSISTOR	K1E1T1	
Q410			2SC4081(R,S)	TRANSISTOR	E2	
Q410			2SC4081(R,S)	TRANSISTOR	K1E1T1	
Q410			2SC4116(Y,GR)	TRANSISTOR	E2	
Q410			2SC4116(Y,GR)	TRANSISTOR	K1E1T1	
Q411			DTA113ZUA	DIGITAL TRANSISTOR	E2	
Q411			DTA113ZUA	DIGITAL TRANSISTOR	K1E1T1	
Q411			UN5119	DIGITAL TRANSISTOR	E2	
Q411			UN5119	DIGITAL TRANSISTOR	K1E1T1	
Q412			2SA1576A(R,S)	TRANSISTOR	KK1E1	
Q412			2SA1576A(R,S)	TRANSISTOR	T1E2	
Q412			2SA1586(Y,GR)	TRANSISTOR	KK1E1	
Q412			2SA1586(Y,GR)	TRANSISTOR	T1E2	
Q413			DTC124EUA	DIGITAL TRANSISTOR	KK1E1	
Q413			DTC124EUA	DIGITAL TRANSISTOR	T1E2	
Q413			UN5212	DIGITAL TRANSISTOR	KK1E1	
Q413			UN5212	DIGITAL TRANSISTOR	T1E2	
Q414			2SC4081(R,S)	TRANSISTOR	KK1E1	
Q414			2SC4081(R,S)	TRANSISTOR	T1E2	
Q414			2SC4116(Y,GR)	TRANSISTOR	KK1E1	
Q414			2SC4116(Y,GR)	TRANSISTOR	T1E2	
Q415			2SA1576A(R,S)	TRANSISTOR	KK1E1	
Q415			2SA1576A(R,S)	TRANSISTOR	T1E2	
Q415			2SA1586(Y,GR)	TRANSISTOR	KK1E1	
Q415			2SA1586(Y,GR)	TRANSISTOR	T1E2	
Q416,417			2SC4081(R,S)	TRANSISTOR	KK1E1	
Q416,417			2SC4081(R,S)	TRANSISTOR	T1E2	
Q416,417			2SC4116(Y,GR)	TRANSISTOR	KK1E1	
Q416,417			2SC4116(Y,GR)	TRANSISTOR	T1E2	
Q418			DTC124EUA	DIGITAL TRANSISTOR	KK1E1	
Q418			DTC124EUA	DIGITAL TRANSISTOR	T1E2	
Q418			UN5212	DIGITAL TRANSISTOR	KK1E1	
Q418			UN5212	DIGITAL TRANSISTOR	T1E2	
Q419			DTA124EUA	DIGITAL TRANSISTOR	E1T1E2	
Q419			UN5112	DIGITAL TRANSISTOR	E1T1E2	
A1			W02-2734-05	OPTIC RECEIVING MODULE		
A2			W02-2717-05	OSCILLATING MODULE		
A3 -9			W02-2716-05	OPTIC RECEIVING MODULE		
VIDEO (X35-2260-12)						
C1 -9			CC73GCH1H100D	CHIP C	10PF	D
C10 -15			CE04KW1A101M	ELECTRO	100UF	10WV
C16 -18			CE04KW1A471M	ELECTRO	470UF	10WV
C19 -21			CK73GB1C104K	CHIP C	0.10UF	K
C22 -24			CE04KW1H100M	ELECTRO	10UF	50WV
C25 ,26			CC73GCH1H180J	CHIP C	18PF	J

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C27			CE04KW1E470M	ELECTRO	47UF	25WV
C28 -30			CE04KW1H100M	ELECTRO	10UF	50WV
C31			CC73GCH1H271J	CHIP C	270PF	J
C32			CC73GCH1H391J	CHIP C	390PF	J
C33			CK73GB1H472K	CHIP C	4700PF	K
C34			CE04KW1H2R2M	ELECTRO	2.2UF	50WV
C35			CE04KW1E470M	ELECTRO	47UF	25WV
C36			CK73GB1H103K	CHIP C	0.010UF	K
C37 -39			CE04KW1A101M	ELECTRO	100UF	10WV
C40 ,41			CK73GB1H103K	CHIP C	0.010UF	K
C42			CK73GF1C224Z	CHIP C	0.22UF	Z
C43			CC73GCH1H220J	CHIP C	22PF	J
C44			CC73GCH1H220J	CHIP C	22PF	J
C44			CC73GCH1H220J	CHIP C	22PF	J
C45			CE04KW1H0R1M	ELECTRO	0.1UF	50WV
C46			CK73GB1H103K	CHIP C	0.010UF	K
C47			CE04KW1H4R7M	ELECTRO	4.7UF	50WV
C48			CK73FF1C105Z	CHIP C	1.0UF	Z
C49			CC73GCH1H102J	CHIP C	1000PF	J
C50			CK73GB1H103K	CHIP C	0.010UF	K
C51 ,52			CK73GF1E104Z	CHIP C	0.10UF	Z
C53			CE04KW1H010M	ELECTRO	1.0UF	50WV
C54			CK73GB1H103K	CHIP C	0.010UF	K
C55			CE04KW1A101M	ELECTRO	100UF	10WV
C56			CK73GF1C224Z	CHIP C	0.22UF	Z
C57			CC73GCH1H221J	CHIP C	220PF	J
C58			CE04KW1H2R2M	ELECTRO	2.2UF	50WV
C59			CK73GB1H103K	CHIP C	0.010UF	K
C60			CC73GCH1H102J	CHIP C	1000PF	J
C61			CK73GF1E104Z	CHIP C	0.10UF	Z
C62 -64			CE04KW1A101M	ELECTRO	100UF	10WV
C65 ,66			CK73GB1H103K	CHIP C	0.010UF	K
C67			CE04KW1H100M	ELECTRO	10UF	50WV
C71 ,72			CE04KW1H010M	ELECTRO	1.0UF	50WV
C71 ,72			CE04KW1H010M	ELECTRO	1.0UF	50WV
C73			CK73GB1H222K	CHIP C	2200PF	K
C73			CK73GB1H222K	CHIP C	2200PF	K
C74			CK73GB1H223K	CHIP C	0.022UF	K
C74			CK73GB1H223K	CHIP C	0.022UF	K
C75			CK73GB1H103K	CHIP C	0.010UF	K
C75			CK73GB1H103K	CHIP C	0.010UF	K
C77			CE04KW1H100M	ELECTRO	10UF	50WV
C77			CE04KW1H100M	ELECTRO	10UF	50WV
C78			CE04KW1H3R3M	ELECTRO	3.3UF	50WV
C78			CE04KW1H3R3M	ELECTRO	3.3UF	50WV
C101,102			CE04KW1C470M	ELECTRO	47UF	16WV
C104			CK73GB1H182K	CHIP C	1800PF	K
C105			CC73GCH1H102J	CHIP C	1000PF	J
C106			CE04KW1H220M	ELECTRO	22UF	50WV
C107			CK73FF1C105Z	CHIP C	1.0UF	Z
C108,109			CK73GB1H103K	CHIP C	0.010UF	K
C110			CC73GCH1H101J	CHIP C	100PF	J
C151			CE04KW1E470M	ELECTRO	47UF	25WV
C152			CE04KW1H100M	ELECTRO	10UF	50WV
C153			CK73GF1E104Z	CHIP C	0.10UF	Z

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Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
CN1 J1 -3			E40-9832-05 E63-1126-05	SOCKET FOR PIN ASSY PIN JACK		
X1 X2 X2 X3			L77-2281-05 L77-2282-05 L77-2282-05 L78-0711-05	CRYSTAL RESONATOR(3.579545 MHZ CRYSTAL RESONATOR(4.433619 MHZ CRYSTAL RESONATOR(4.433619 MHZ RESONATOR (500KHZ)	E1M1X1 T1E2	
R1 -6 R7 -9 R10 -12 R13 -15 R16 -20			RK73FB2A750J RK73GB1J104J RK73FB2A680J RK73GB1J1R0J RK73GB1J473J	CHIP R 75 J 1/10W CHIP R 100K J 1/16W CHIP R 68 J 1/10W CHIP R 1 J 1/16W CHIP R 47K J 1/16W		
R21 R22 ,23 R24 R25 ,26 R27			RK73GB1J101J RK73GB1J102J RK73GB1J272J RK73GB1J123J RK73GB1J473J	CHIP R 100 J 1/16W CHIP R 1.0K J 1/16W CHIP R 2.7K J 1/16W CHIP R 12K J 1/16W CHIP R 47K J 1/16W		
R28 R29 R30 R31 R32			RK73GB1J1R0J RK73GB1J100J RK73GB1J1R0J RK73GB1J222J RK73GB1J331J	CHIP R 1 J 1/16W CHIP R 10 J 1/16W CHIP R 1 J 1/16W CHIP R 2.2K J 1/16W CHIP R 330 J 1/16W		
R33 R34 R35 R36 R37			RK73GB1J272J RK73GB1J432J RK73GB1J914J RK73GB1J242J RK73GB1J471J	CHIP R 2.7K J 1/16W CHIP R 4.3K J 1/16W CHIP R 910K J 1/16W CHIP R 2.4K J 1/16W CHIP R 470 J 1/16W	E1M1X1	
R37 R38 R38 R39 R40			RK73GB1J471J RK73GB1J821J RK73GB1J821J RK73GB1J153J RK73GB1J684J	CHIP R 470 J 1/16W CHIP R 820 J 1/16W CHIP R 820 J 1/16W CHIP R 15K J 1/16W CHIP R 680K J 1/16W	T1E2 E1M1X1 T1E2	
R41 R42 R43 R44 R45 ,46			RK73GB1J184J RK73GB1J433J RK73GB1J103J RK73GB1J273J RK73GB1J102J	CHIP R 180K J 1/16W CHIP R 43K J 1/16W CHIP R 10K J 1/16W CHIP R 27K J 1/16W CHIP R 1.0K J 1/16W		
R47 R48 R49 R50 R51			RK73GB1J182J RK73GB1J221J RK73GB1J151J RK73GB1J750J RK73GB1J183J	CHIP R 1.8K J 1/16W CHIP R 220 J 1/16W CHIP R 150 J 1/16W CHIP R 75 J 1/16W CHIP R 18K J 1/16W		
R52 R53 R55 R56 R57			RK73GB1J223J RK73GB1J102J RK73GB1J392J RK73GB1J183J RK73GB1J223J	CHIP R 22K J 1/16W CHIP R 1.0K J 1/16W CHIP R 3.9K J 1/16W CHIP R 18K J 1/16W CHIP R 22K J 1/16W		
R58 R59 R59 R60 R63 -68			RK73GB1J103J RK73GB1J103J RK73GB1J103J RK73GB1J102J RK73GB1J102J	CHIP R 10K J 1/16W CHIP R 10K J 1/16W CHIP R 10K J 1/16W CHIP R 1.0K J 1/16W CHIP R 1.0K J 1/16W	E1M1X1 T1E2	
R69 ,70 R71 R71			RK73GB1J222J RK73GB1J183J RK73GB1J183J	CHIP R 2.2K J 1/16W CHIP R 18K J 1/16W CHIP R 18K J 1/16W	E1M1X1 T1E2	

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R72 R72 R73 R73 R74			RK73GB1J224J RK73GB1J224J RK73GB1J104J RK73GB1J104J RK73GB1J334J	CHIP R 220K J 1/16W CHIP R 220K J 1/16W CHIP R 100K J 1/16W CHIP R 100K J 1/16W CHIP R 330K J 1/16W	E1M1X1 T1E2 E1M1X1 T1E2 E1M1X1	
R74 R75 R75 R76 R76			RK73GB1J334J RK73GB1J223J RK73GB1J223J RS14KB3A181J RS14KB3A181J	CHIP R 330K J 1/16W CHIP R 22K J 1/16W CHIP R 22K J 1/16W FL-PROOF RS 180 J 1W FL-PROOF RS 180 J 1W	T1E2 E1M1X1 T1E2 E1M1X1 T1E2	
R77 R77 R78 R78 R79			RK73GB1J103J RK73GB1J103J RK73GB1J101J RK73GB1J101J RK73GB1J102J	CHIP R 10K J 1/16W CHIP R 10K J 1/16W CHIP R 100 J 1/16W CHIP R 100 J 1/16W CHIP R 1.0K J 1/16W	E1M1X1 T1E2 E1M1X1 T1E2 E1M1X1	
R79 R80 R81 R81 R82			RK73GB1J102J RK73GB1J473J RK73GB1J1R0J RK73GB1J1R0J RK73GB1J101J	CHIP R 1.0K J 1/16W CHIP R 47K J 1/16W CHIP R 1 J 1/16W CHIP R 1 J 1/16W CHIP R 100 J 1/16W	T1E2 E1M1X1 T1E2	
R83 R84 -86 R87 -90 R93 R94 -100			RK73GB1J1R0J RK73GB1J104J RK73GB1J473J RK73GB1J103J RK73GB1J473J	CHIP R 1 J 1/16W CHIP R 100K J 1/16W CHIP R 47K J 1/16W CHIP R 10K J 1/16W CHIP R 47K J 1/16W		
R101 R102 R103 R104 R105,106			RK73GB1J103J RK73GB1J273J RK73GB1J103J RK73GB1J273J RK73GB1J332J	CHIP R 10K J 1/16W CHIP R 27K J 1/16W CHIP R 10K J 1/16W CHIP R 27K J 1/16W CHIP R 3.3K J 1/16W		
R107 R108 R109 R110 R111			RK73GB1J182J RK73GB1J103J RK73GB1J223J RK73GB1J103J RK73GB1J104J	CHIP R 1.8K J 1/16W CHIP R 10K J 1/16W CHIP R 22K J 1/16W CHIP R 10K J 1/16W CHIP R 100K J 1/16W		
R112 R113 R114 R115,116 R117			RK73GB1J101J RK73GB1J474J RK73GB1J183J RK73GB1J103J RK73GB1J222J	CHIP R 100 J 1/16W CHIP R 470K J 1/16W CHIP R 18K J 1/16W CHIP R 10K J 1/16W CHIP R 2.2K J 1/16W		
R118 R119 R120-132 R139-144 R151,152			RK73GB1J103J RK73GB1J1R0J RK73GB1J473J RK73GB1J473J RK73GB1J1R0J	CHIP R 10K J 1/16W CHIP R 1 J 1/16W CHIP R 47K J 1/16W CHIP R 4.7 J 1/16W CHIP R 1 J 1/16W		
R153,154 VR1 ,2 W1 -3			RK73GB1J102J R12-3100-05 R92-1963-05	CHIP R 1.0K J 1/16W TRIMMING POT.(10K) JUMPER WIRE (RESISTOR TYPE)		
Δ K1			S76-0123-05			
D1 D1 D1 D1 D2			DAN202U DAN202U 1SS301 1SS301 UDZ11B	DIODE DIODE DIODE DIODE ZENER DIODE	E1M1X1 T1E2 E1M1X1 T1E2 E1M1X1	

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M : Other Areas

Δ indicates safety critical components.

PARTS LIST

KRF-X9995D/X9995D-S/VR-5700/5900

MODEL	ABB.	Australia	Canada	China	England	Europe	Germany	Korea	Malaysia
VR-5700		X	P	C	T	E	G	H	I
VR-5900		-	-	-	-	-	-	-	-
KRF-X9995D		-	-	-	-	E1	-	-	-
KRF-X9995D-S		X1	-	-	T1	E2	-	-	-
MODEL	ABB.	Mexico	PX/AAFES	Russia	Scandinavia	Shanghai	USA	Other area	
VR-5700		R	Y	Q	L	V	K	M	
VR-5900		-	-	-	-	-	K	-	
KRF-X9995D		-	-	-	-	-	K1	-	
KRF-X9995D-S		-	-	-	-	-	-	M1	

* 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.

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Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
D2			UDZ11B	ZENER DIODE	T1E2	
D3			DAP202U	DIODE		
D3			1SS300	DIODE		
D4			DA204U	DIODE		
D4			1SS302	DIODE		
D5			MAIL		KK1	
IC1 -3		*	ADG704BRM	ANALOGUE IC		
IC4		*	CLC5623IM	ANALOGUE IC		
IC5			UPC1830GT	ANALOGUE IC		
IC6			AN5560	ANALOGUE IC	E1M1X1	
IC6			AN5560	ANALOGUE IC	T1E2	
IC7			BA7071F	ANALOGUE IC	E1M1X1	
IC7			BA7071F	ANALOGUE IC	T1E2	
IC8			UPC29M05HB	ANALOGUE IC		
IC10			NJM4565M	ANALOGUE IC		
Q1			2SC4081(R,S)	TRANSISTOR		
Q1			2SC4116(Y,GR)	TRANSISTOR		
Q2			2SA1576A(R,S)	TRANSISTOR		
Q2			2SA1586(Y,GR)	TRANSISTOR		
Q3			2SC4081(R,S)	TRANSISTOR		
Q3			2SC4116(Y,GR)	TRANSISTOR		
Q5			DTC124EUA	DIGITAL TRANSISTOR	E1M1X1	
Q5			DTC124EUA	DIGITAL TRANSISTOR	T1E2	
Q5			UN5212	DIGITAL TRANSISTOR	E1M1X1	
Q5			UN5212	DIGITAL TRANSISTOR	T1E2	
Q6			DTC143TUA	DIGITAL TRANSISTOR	E1M1X1	
Q6			DTC143TUA	DIGITAL TRANSISTOR	T1E2	
Q6			UN5216	DIGITAL TRANSISTOR	E1M1X1	
Q6			UN5216	DIGITAL TRANSISTOR	T1E2	
Q7 ,8			DTA124EUA	DIGITAL TRANSISTOR		
Q7 ,8			UN5112	DIGITAL TRANSISTOR		
Q9 ,10			DTC124EUA	DIGITAL TRANSISTOR		
Q9 ,10			UN5212	DIGITAL TRANSISTOR		
Q11			2SC4081(R,S)	TRANSISTOR		
Q11			2SC4116(Y,GR)	TRANSISTOR		
Q12 ,13			DTC124EUA	DIGITAL TRANSISTOR	E1M1X1	
Q12 ,13			DTC124EUA	DIGITAL TRANSISTOR	T1E2	
Q12 ,13			UN5212	DIGITAL TRANSISTOR	E1M1X1	
Q12 ,13			UN5212	DIGITAL TRANSISTOR	T1E2	
Q15 -17			2SC4213(B)	TRANSISTOR		

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 .

PARTS LIST

KRF-X9995D/X9995D-S/VR-5700/5900

KRF-X9995D/X9995D-S/VR-5700/5900

SPECIFICATIONS

NOTE: Do not use contact cleaning agents because they could cause a malfunction. Be especially careful not to use contact cleaning agents containing oil, since they may deform the plastic components.

Section KRF-X9995D (for U.K.)

Audio Section

Rated Output Power during stereo operation	
1 kHz, 0.03% T.H.D. , 6 Ω (DIN/IEC)	140W + 140 W
20 Hz ~ 20 kHz, 0.03% T.H.D. , 6 Ω (IEC)	130W + 130 W
Effective Output Power during surround operation	
1 kHz, 0.06% T.H.D. at 6 Ω , all channel driven (Front, Center, Surround)	130 W $\times$ 5
Total Harmonic Distortion	0.005 % (1 kHz, 65 W, 6 Ω)
Frequency Response (IHF'66)	
Line (CD1, MD/TAPE, CD2/TAPE2 MONITOR, CD-R, VIDEO 1 - 4, DVD/6CH.)	7 Hz ~ 100 kHz, 0 dB, -3 dB
Signal to Noise Ratio (IHF '66)	
PHONO (MM)	76 dB
CD1	98 dB
Input Sensitivity / Impedance	
PHONO (MM)	4.0 mV / 47 k Ω
CD1	300 mV / 47 k Ω
DVD/6CH.	300 mV / 47 k Ω
Output Level / Impedance	
TAPE REC	300 mV / 2.2 k Ω
PRE OUT (Front, Center, Surround, Surround back)	1 V / 470 Ω
PRE OUT (Subwoofer)	1.8 V / 470 Ω
Tone Control	
Bass	$\pm$ 7 dB (at 100 Hz)
Treble	$\pm$ 7 dB (at 10 kHz)
Loudness Control Volume at -30 dB level	+6 dB (100 Hz), +3 dB (10 kHz)

Digital Audio

Sampling Frequency	32 kHz, 44.1 kHz, 48 kHz, 96 kHz
Input Level / Impedance / Wavelength	
Optical	-15 dBm ~ -21 dBm, 660 nm $\pm$ 30 nm
Coaxial	0.5 Vp-p / 75 Ω

Output Level / Impedance / Wavelength	
Optical	-15 dBm ~ -21 dBm, 660 nm $\pm$ 30 nm
Coaxial	0.5 Vp-p / 75 Ω

V

Video Inputs / Outputs	
Video (composite)	1 Vp-p / 75 Ω
S Video (luminance signal)	1 Vp-p / 75 Ω
(chrominance signal)	0.286 Vp-p / 75 Ω
Component (luminance signal)	1 Vp-p / 75 Ω
(Pb/Pn-signal)	$\pm$ 0.350 Vp-p / 75 Ω

FM T

Tuning Frequency Range	87.5 MHz ~ 108 MHz
Usable Sensitivity (DIN at 75 Ω)	
Mono	1.3 μ V/ 13.2 dBf (40 kHz dev., S/N 26 dB)
Stereo	1.3 μ V/ 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, 1kHz)	
Mono	65 dB (40 kHz dev., 71.2 dBf input)
Stereo	60 dB (40 kHz dev., 71.2 dBf input)
Stereo Separation (DIN at 1 kHz)	36 dB
Selectivity (DIN $\pm$ 300 kHz)	64 dB
Frequency Response	30 Hz ~ 15 kHz, +0.5 dB, -3.0 dB

AM T

Tuning Frequency Range	531 kHz ~ 1,602 kHz
Usable Sensitivity (30 % mod., S/N 20 dB)	16 μ V / (500 μ V/m)
Signal to Noise Ratio (30 % mod., 1 mV input)	50 dB

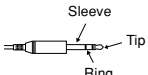
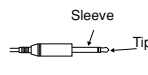
Relay and IR In/Out Section

Relay Control Terminal	
Maximum Output Current	20 mA
Operating Voltage	12 V
Output Impedance	470 Ω

IR Receiver In Terminal	
Maximum Output Current	20 mA
Operating Voltage	12 V
Output Impedance	470 Ω

IR Out LCD Remote Terminal	
Maximum Output Current	20 mA
Operating Voltage	5 V
Output Impedance	470 Ω

SHAPE OF PLUG TO BE CONNECTED:

IR Receiver In and IR Out LCD Remote	DVD Control
	

IR IN/OUT SPECIFICATION:

	Terminal	
	IR Receiver In	IR Out LCD Remote
To Tip	Signal	Signal
To Ring	Ground	—
To Sleeve	+12V	Ground

RELAY CONTROL SPECIFICATION:

	status		
	Power Off	Power On	When a specific button on one of PowerTouch's screen is pressed.
To Tip	0V	0V	+12V
To Ring	0V	+12V	—
To Sleeve	Ground	Ground	Ground

General

Power consumption	600 W
AC outlet	
Switched	2 (total 90 W max.)
Dimensions	W : 480mm
	H : 191mm
	D : 416mm
Weight (Net)	20.2 kg

KRF-X9995D (for Audio Section

Rated Output Power during stereo operation	
20 Hz ~ 20 kHz, 0.7% T.H.D. , 6 Ω (IEC)	150W + 150 W
130 watts per channel minimum RMS, both channels driven, at 6 Ω from 20Hz to 20kHz with no more than 0.05% total harmonic distortion (FTC).	
Effective Output Power during stereo operation	
1 kHz, 10% T.H.D. at 6 Ω	180 W + 180 W
Effective Output Power during surround operation	
Front	
1 kHz, 10% T.H.D. at 6 Ω , one channel driven	200 W + 200 W
Center	
1 kHz, 10% T.H.D. at 6 Ω , one channel driven	200 W + 200 W
Surround	
1 kHz, 10% T.H.D. at 6 Ω , one channel driven	200 W + 200 W
Total Harmonic Distortion	0.005 % (1 kHz, 75 W, 6 Ω)
Frequency Response (IHF'66)	
Line (CD1, MD/TAPE, CD2/TAPE2 MONITOR, CD-R, VIDEO 1 - 4, DVD/6CH.)	7 Hz ~ 100 kHz, 0 dB, -3 dB
Signal to Noise Ratio (IHF '66)	
PHONO (MM)	76 dB
CD1	98 dB
Input Sensitivity / Impedance	
PHONO (MM)	4.0 mV / 47 k Ω
CD1	300 mV / 47 k Ω
DVD/6CH.	300 mV / 47 k Ω
Output Level / Impedance	
TAPE REC	300 mV / 2.2 k Ω
PRE OUT (Front, Center, Surround, Surround back)	1 V / 470 Ω
PRE OUT (Subwoofer)	1.8 V / 470 Ω

Tone Control	
Bass	$\pm$ 7 dB (at 100 Hz)
Treble	$\pm$ 7 dB (at 10 kHz)

Loudness Control	
Volume at -30 dB level	+6 dB (100 Hz), +3 dB (10 kHz)

Digital Audio

Sampling Frequency	32 kHz, 44.1 kHz, 48 kHz, 96 kHz
Input Level / Impedance / Wavelength	
Optical	-15 dBm ~ -21 dBm, 660 nm $\pm$ 30 nm
Coaxial	0.5 Vp-p / 75 Ω
Output Level / Impedance / Wavelength	
Optical	-15 dBm ~ -21 dBm, 660 nm $\pm$ 30 nm
Coaxial	0.5 Vp-p / 75 Ω

V

Video Inputs / Outputs	
Video (composite)	1 Vp-p / 75 Ω
S Video (luminance signal)	1 Vp-p / 75 Ω
(chrominance signal)	0.286 Vp-p / 75 Ω
Component (luminance signal)	1 Vp-p / 75 Ω
(Cb/Cr-signal)	$\pm$ 0.350 Vp-p / 75 Ω

FM T

Tuning Frequency Range	87.5 MHz ~ 108 MHz
Usable Sensitivity (Mono)	1.3 μ V (75 Ω) / 13.2 dBf (75 kHz dev., sinad 30 dB)
50dB Quieting Sensitivity	25.1 μ V (75 Ω) / 39.2 dBf
Total Harmonic Distortion (1 kHz)	
Mono	0.3 % (71.2 dBf input)
Stereo	0.5 % (71.2 dBf input)
Signal to Noise Ratio (1 kHz, 75 kHz DEV.)	
Mono	75 dB (71.2 dBf input)
Stereo	70 dB (71.2 dBf input)
Stereo Separation (1 kHz)	40 dB
Selectivity ($\pm$ 400 kHz)	50 dB
Frequency Response	30 Hz ~ 15 kHz, +0.5 dB, -3.0 dB

AM T

Tuning Frequency Range	
9kHz step	531 kHz ~ 1,602 kHz
10kHz step	530 kHz ~ 1,610 kHz

Usable Sensitivity (30 % mod., S/N 20 dB)	16 μ V / (500 μ V/m)
Signal to Noise Ratio (30 % mod. 1 mV input)	50 dB

General

Power consumption	600 W
AC outlet	
Switched (except for Australia)	2 (total 90 W max.)
Switched (for Australia)	1 (total 90 W max.)
Dimensions	W : 480mm
	H : 191mm
	D : 416mm
Weight (Net)	22.2 kg

Kenwood follows a policy of continuous advancements in development. For this reason, specifications may be changed without notice.
Full performance may not be exhibited in extremely cold locations (below 0 deg. C).

KRF-X9995D/X9995D-S/VR-5700/5900

SPECIFICATIONS

VR-5700 Section

Audio Section

Rated Output Power during stereo operation

120 watts per channel minimum RMS, both channels driven, at 6 Ω from 20Hz to 20kHz with no more than 0.03% total harmonic distortion (FTC).

Effective Output Power during surround operation

1 kHz, 0.06% T.H.D. at 6 Ω , all channel driven (Front, Center, Surround) 120 W $\times$ 5

Total Harmonic Distortion 0.005 % (1 kHz, 60 W, 6 Ω)

Frequency Response (IHF '66)

Line (CD1, MD/TAPE, CD2/TAPE2 MONITOR, CD-R, VIDEO 1 - 4, DVD/6CH.) 7 Hz ~ 100 kHz, 0 dB, -3 dB

Signal to Noise Ratio (IHF '66)

PHONO (MM) 76 dB
CD1 98 dB

Input Sensitivity / Impedance

PHONO (MM) 4.0 mV / 47 k Ω
CD1 300 mV / 47 k Ω
DVD/6CH. 300 mV / 47 k Ω

Output Level / Impedance

TAPE REC 300 mV / 2.2 k Ω
PRE OUT (Front, Center, Surround, Surround back) 1 V / 470 Ω
PRE OUT (Subwoofer) 1.8 V / 470 Ω

Tone Control

Bass $\pm$ 7 dB (at 100 Hz)
Treble $\pm$ 7 dB (at 10 kHz)

Loudness Control

Volume at -30 dB level +6 dB (100 Hz), +3 dB (10 kHz)

Digital Audio

Sampling Frequency 32 kHz, 44.1 kHz, 48 kHz, 96 kHz

Input Level / Impedance / Wavelength

Optical -15 dBm ~ -21 dBm, 660 nm $\pm$ 30 nm
Coaxial 0.5 Vp-p / 75 Ω

Output Level / Impedance / Wavelength

Optical -15 dBm ~ -21 dBm, 660 nm $\pm$ 30 nm
Coaxial 0.5 Vp-p / 75 Ω

V

Video Inputs / Outputs

Video (composite) 1 Vp-p / 75 Ω
S Video (luminance signal) 1 Vp-p / 75 Ω
(chrominance signal) 0.286 Vp-p / 75 Ω
Component (luminance signal) 1 Vp-p / 75 Ω
(Pb/Pr-signal) $\pm$ 0.324 Vp-p / 75 Ω

FM T

Tuning Frequency Range 87.5 MHz ~ 108 MHz

Usable Sensitivity (Mono)

..... 1.2 μ V (75 Ω) / 12.2 dBf (75 kHz dev., sinad 30 dB)

50dB Quieting Sensitivity

Stereo 22.4 μ V (75 Ω) / 38.2 dBf

Total Harmonic Distortion (1 kHz)

Mono 0.3 % (71.2 dBf input)
Stereo 0.5 % (71.2 dBf input)

Signal to Noise Ratio (1 kHz, 75 kHz DEV.)

Mono 75 dB (71.2 dBf input)
Stereo 70 dB (71.2 dBf input)

Stereo Separation (1 kHz)

..... 40 dB

Selectivity ($\pm$ 400 kHz)

..... 70 dB

Frequency Response 30 Hz ~ 15 kHz, +0.5 dB, -3.0 dB

AM Tuner Section

Tuning Frequency Range

10kHz step 530 kHz ~ 1,700 kHz

Usable Sensitivity (30 % mod., S/N 20 dB)

..... 16 μ V / (500 μ V/m)

Signal to Noise Ratio (30 % mod. 1 mV input) 50 dB

IR In/Out Section

IR Receiver In Terminal

Maximum Output Current 20mA
Operating Voltage 12V
Output Impedance 470 Ω

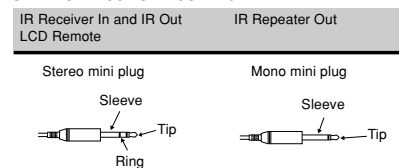
IR Out LCD Remote Terminal

Maximum Output Current 20mA
Operating Voltage 5V
Output Impedance 470 Ω

IR Repeater Out Terminal

Maximum Output Current 20mA
Operating Voltage 12V
Output Impedance 470 Ω

SHAPE OF PLUG TO BE CONNECTED:



IR IN/OUT SPECIFICATION:

Terminal	IR Receiver In	IR Out LCD Remote
To Tip	Signal	Signal
To Ground	Ground	—
To Sleeve	+12V	Ground

General

Power consumption 6.2 A

AC outlet Switched 2 (total 90W, 0.75 A max.)

Dimensions W : 440mm (17-5/16")

..... H : 191mm (7-1/2")

..... D : 416mm (16-3/8")

Weight (Net) 18.2kg (40.1lb)

VR-5900 Section

Audio Section

Rated Output Power during stereo operation

130 watts per channel minimum RMS, both channels driven, at 6 Ω from 20 Hz to 20 kHz with no more than 0.03% total harmonic distortion (FTC).

Effective Output Power during surround operation

1 kHz, 0.06% T.H.D. at 6 Ω , all channel driven (Front, Center, Surround) 130 W $\times$ 5

Total Harmonic Distortion 0.005 % (1 kHz, 65 W, 6 Ω)

Frequency Response (IHF '66)

Line (CD1, MD/TAPE, CD2/TAPE2 MONITOR, CD-R, VIDEO 1 - 4, DVD/6CH.) 7 Hz ~ 100 kHz, 0 dB, -3 dB

Signal to Noise Ratio (IHF '66)

PHONO (MM) 76 dB
CD1 98 dB

Input Sensitivity / Impedance

PHONO (MM) 4.0 mV / 47 k Ω
CD1 300 mV / 47 k Ω
DVD/6CH. 300 mV / 47 k Ω

Output Level / Impedance

TAPE REC 300 mV / 2.2 k Ω
PRE OUT (Front, Center, Surround, Surround back) 1 V / 470 Ω
PRE OUT (Subwoofer) 1.8 V / 470 Ω

Tone Control

Bass $\pm$ 7 dB (at 100 Hz)
Treble $\pm$ 7 dB (at 10 kHz)

Loudness Control

Volume at -30 dB level +6 dB (100 Hz), +3 dB (10 kHz)

Digital Audio

Sampling Frequency 32 kHz, 44.1 kHz, 48 kHz, 96 kHz

Input Level / Impedance / Wavelength

Optical -15 dBm ~ -21 dBm, 660 nm $\pm$ 30 nm
Coaxial 0.5 Vp-p / 75 Ω

Output Level / Impedance / Wavelength

Optical -15 dBm ~ -21 dBm, 660 nm $\pm$ 30 nm
Coaxial 0.5 Vp-p / 75 Ω

V

Video Inputs / Outputs

Video (composite) 1 Vp-p / 75 Ω
S Video (luminance signal) 1 Vp-p / 75 Ω
(chrominance signal) 0.286 Vp-p / 75 Ω
Component (luminance signal) 1 Vp-p / 75 Ω
(Pb/Pr-signal) $\pm$ 0.324 Vp-p / 75 Ω

FM T

Tuning Frequency Range 87.5 MHz ~ 108 MHz

Usable Sensitivity (Mono)

..... 1.2 μ V (75 Ω) / 12.2 dBf (75 kHz dev., sinad 30 dB)

50dB Quieting Sensitivity

Stereo 22.4 μ V (75 Ω) / 38.2 dBf

Total Harmonic Distortion (1 kHz)

Mono 0.3 % (71.2 dBf input)
Stereo 0.5 % (71.2 dBf input)

Signal to Noise Ratio (1 kHz, 75 kHz DEV.)

Mono 75 dB (71.2 dBf input)
Stereo 70 dB (71.2 dBf input)

Stereo Separation (1 kHz)

..... 40 dB

Selectivity ($\pm$ 400 kHz)

..... 70 dB

Frequency Response 30 Hz ~ 15 kHz, +0.5 dB, -3.0 dB

AM T

Tuning Frequency Range

10kHz step 530 kHz ~ 1,700 kHz

Usable Sensitivity (30 % mod., S/N 20 dB)

..... 16 μ V / (500 μ V/m)

Signal to Noise Ratio (30 % mod. 1 mV input) 50 dB

Relay and IR In/Out Section

Relay Control Terminal

Maximum Output Current 20 mA
Operating Voltage 12 V
Output Impedance 470 Ω

IR Receiver In Terminal

Maximum Output Current 20 mA
Operating Voltage 12 V
Output Impedance 470 Ω

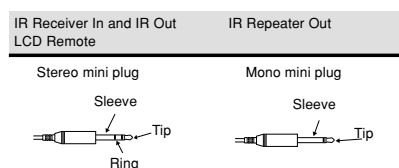
IR Out LCD Remote Terminal

Maximum Output Current 20 mA
Operating Voltage 5 V
Output Impedance 470 Ω

IR Repeater Control Terminal

Maximum Output Current 20 mA
Operating Voltage 12 V
Output Impedance 470 Ω

SHAPE OF PLUG TO BE CONNECTED:



IR IN/OUT SPECIFICATION:

Terminal	IR Receiver In	IR Out LCD Remote
To Tip	Signal	Signal
To Ring	Ground	—
To Sleeve	+12V	Ground

RELAY CONTROL SPECIFICATION:

	status		
	Power Off	Power On	When a specific button on one of PowerTouch III's screen is pressed.
To Tip	0V	0V	+12V
To Ring	0V	+12V	—
To Sleeve	Ground	Ground	Ground

General

Power consumption 6.2 A

AC outlet

Switched 2 (total 90 W, 0.75 A max.)

Dimensions W : 440 mm (17-5/16")

..... H : 191 mm (7-1/2")

..... D : 416 mm (16-3/8")

Weight (Net) 19.9 kg (43.8 lb)

KRF-X9995D/X9995D-S/VR-5700/5900

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KENWOOD ELECTRONICS (HONG KONG) LTD.

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