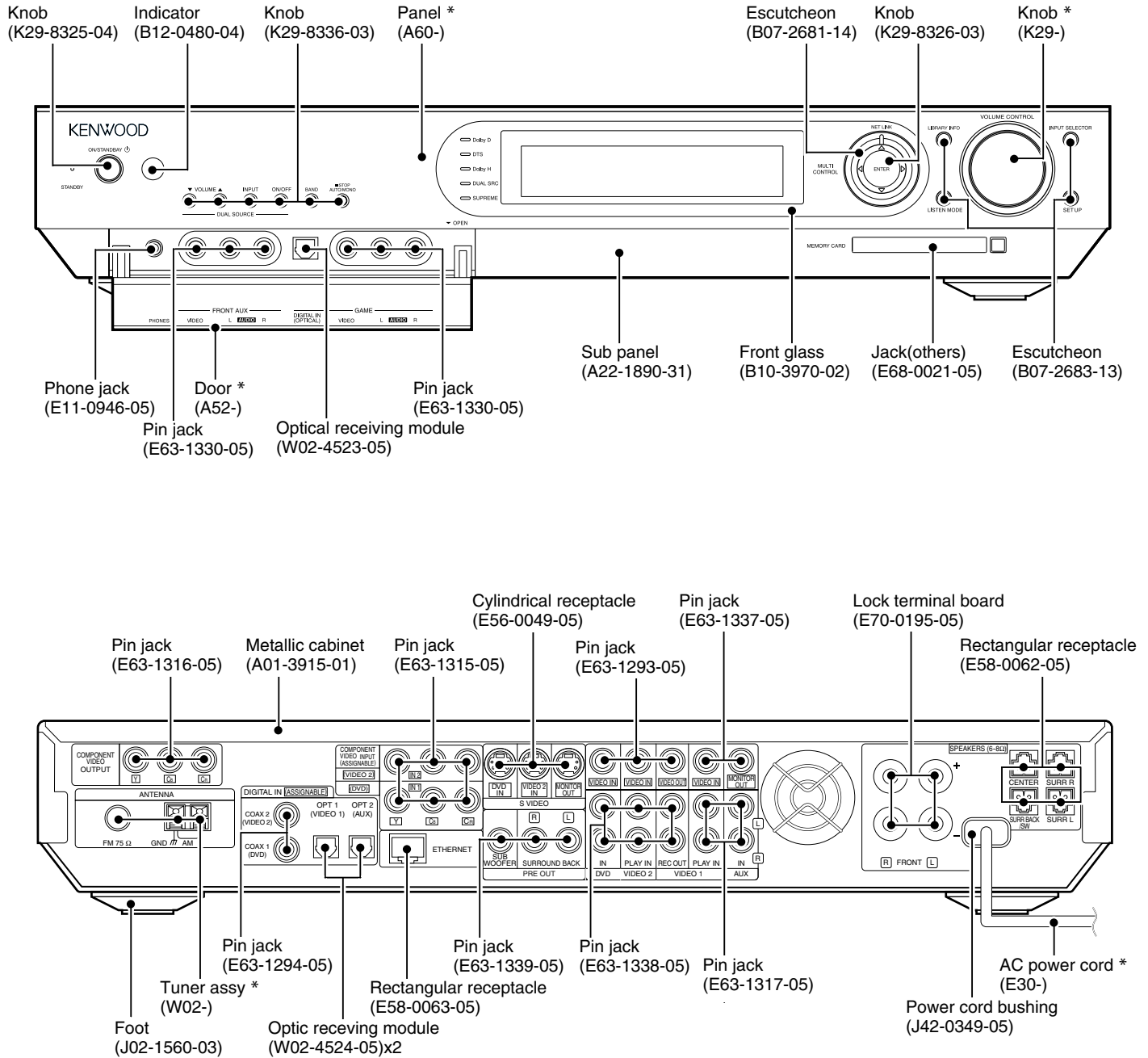


VRS-N8100

SERVICE MANUAL

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B51-5925-00 (K/K) 1464



* Refer to parts list on page 36.



VRS-N8100

ACCESSORIES / CAUTIONS

Note for Servicing of the PC Control Unit (X17-1100-11)

Each unit of VRS-N8100 has its own MAC (Media Access Control) address.

The MAC address is written in IC202 of the PC Control Unit. This means that replacing the PC Control Unit or IC202 results in changing the MAC address of the unit. Therefore, when the PC Control Unit or IC202 is replaced, the user should be informed of the new MAC address. Also, the new MAC address should be recorded and maintained in the servicing record together with the serial number of the unit.

The MAC address can be confirmed in item "IP" setting in the Setup Menu (Network Setup).

Frequently Asked Questions (FAQ):

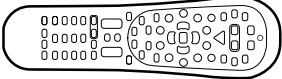
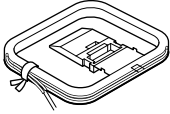
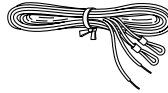
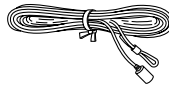

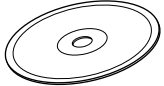
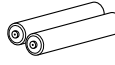
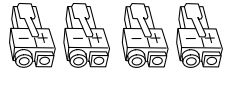
If you still have questions concerning the product after reading this manual, please consult the FAQ section on the KENWOOD website of your resident country (if necessary you can find a link to your local website on www.kenwood.com <<http://www.kenwood.com>>).

Software and Firmware update:

The latest information and procedure to update your KENWOOD PC SERVER software and VRS-N8100 Firmware can be found in the "Technical Support" / "Service" section on the website of your resident country (if necessary you can find a link to your local website on www.kenwood.com <<http://www.kenwood.com>>).

The above-mentioned information is opened to the public.

ACCESSORIES

Remote control unit (1) For Europe RC-R0826E(A70-1651-05) For the U.S.A., Canada and Australia RC-R0826(A70-1650-05) 	AM loop antenna (1) (T90-0906-05) 	FM indoor antenna (1) For Europe and Australia (T90-0175-05) 	FM indoor antenna (1) For the U.S.A. and Canada (T90-0905-05) 
FM antenna adaptor (1) For Europe and Australia (T90-0827-05) 	CD-ROM (PC application) (1) (W01-1835-05) 	Batteries (R6/AA) (2) 	Speaker cord connectors (1) (E69-0013-05) 

CAUTIONS

Soft reset:

This reset procedure allows the setups made by the user to be held without being reset.

(For U.S.A and Canada)

Press POWER ON/STANDBY ϕ key to turn this unit OFF (STANDBY), and then press POWER ON/STANDBY ϕ key again to turn it ON.

- If a memory card is inserted, remove the memory card after pressing POWER ON/STANDBY ϕ key to turn this unit OFF (STANDBY). After removal, press POWER ON/STANDBY ϕ key again to turn it on.

(For Europe and Australia)

Press ON/STANDBY ϕ key to turn this unit OFF (STANDBY), and then press ON/STANDBY ϕ key again to turn it ON.

- If a memory card is inserted, remove the memory card after pressing ON/STANDBY ϕ key to turn this unit OFF (STANDBY). After removal, press ON/STANDBY ϕ key again to turn it on.

Reset to the factory default setups:

Unplug the power cord from the wall outlet, then plug it back in while holding down the POWER ON/STANDBY ϕ (For U.S.A and Canada) or ON/STANDBY ϕ key (For Europe and Australia).

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

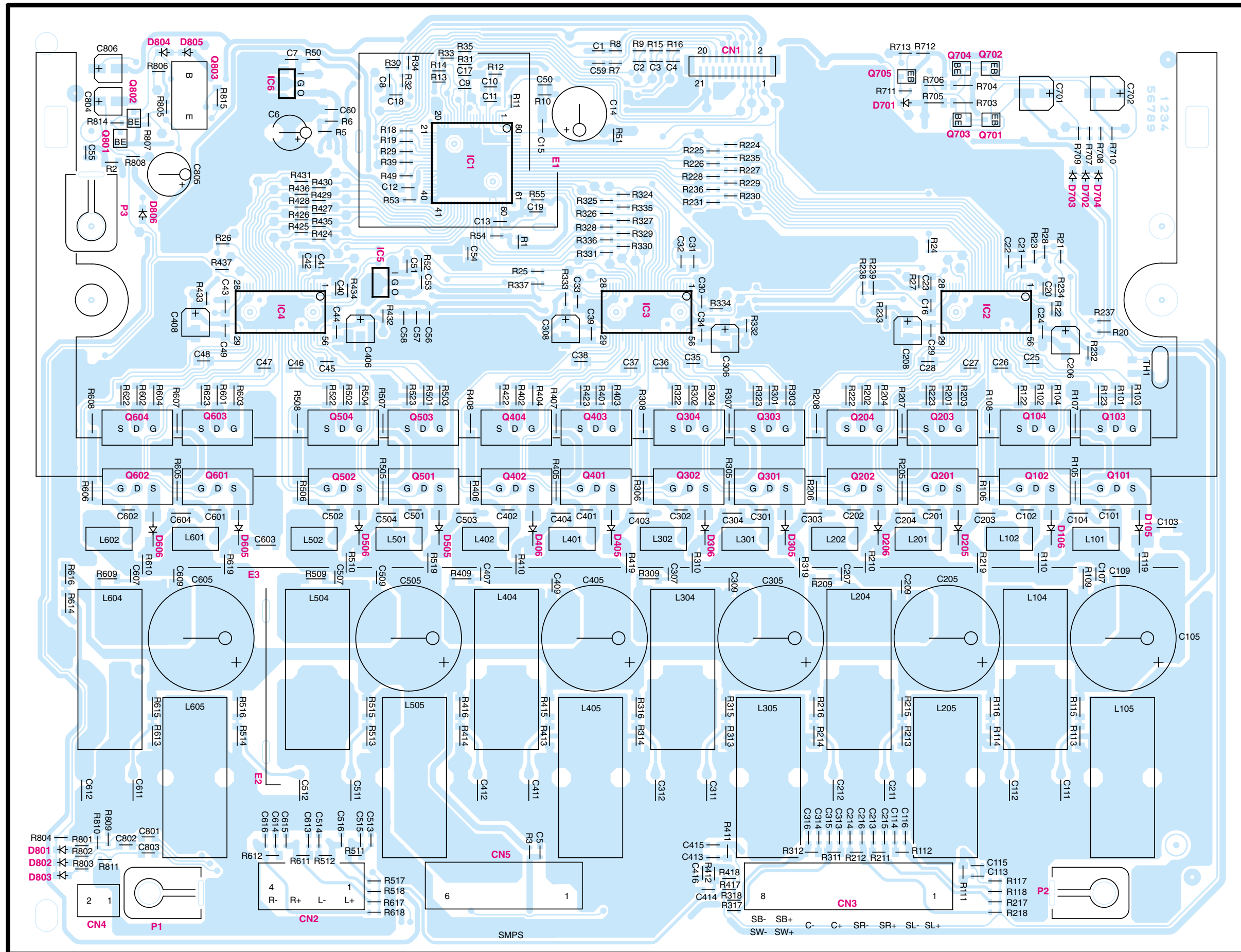
Memory back-up function

If the power supply to the receiver is shut down for about a day or more, the following settings will be reset to the initial conditions. Please be careful.

- Power mode = OFF
- Volume level = - 66 dB
- Dimmer level = OFF (Brightest condition)
- Broadcast band = FM
- Frequency setting = 87.50 MHz
- Tuning mode = AUTO

PC BOARD(Component side view)

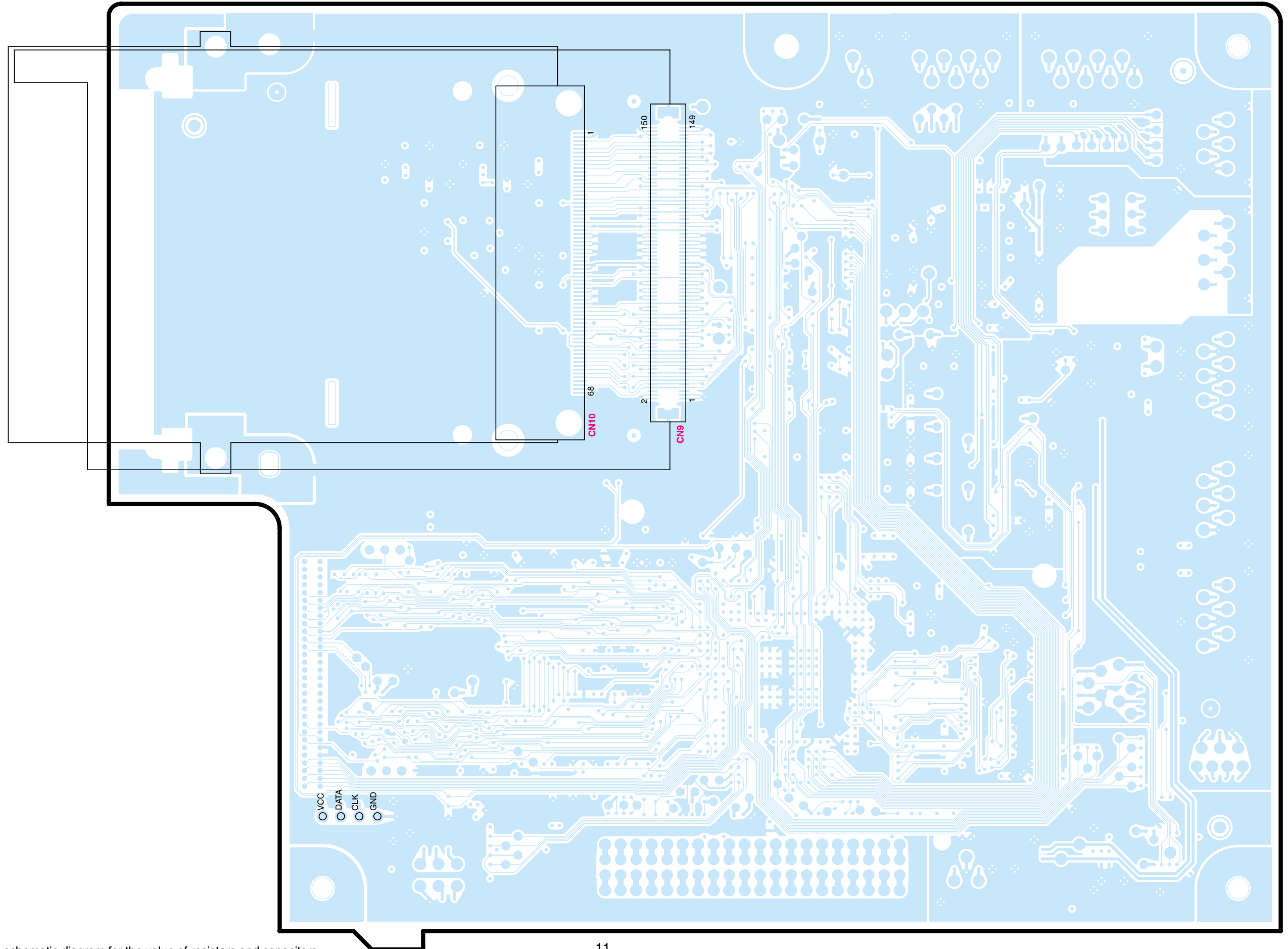
X07-3550-11 (J70-1729-11)



PC BOARD

X17-1100-11 (J75-0013-12) (SIDE B)

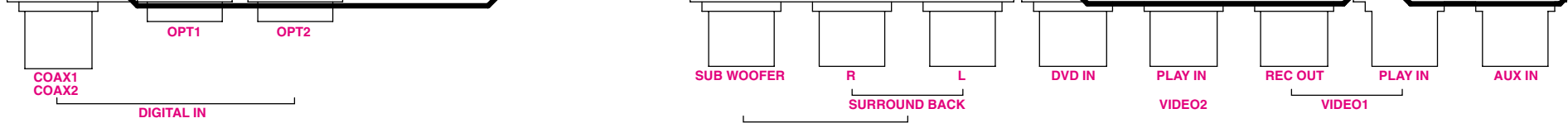
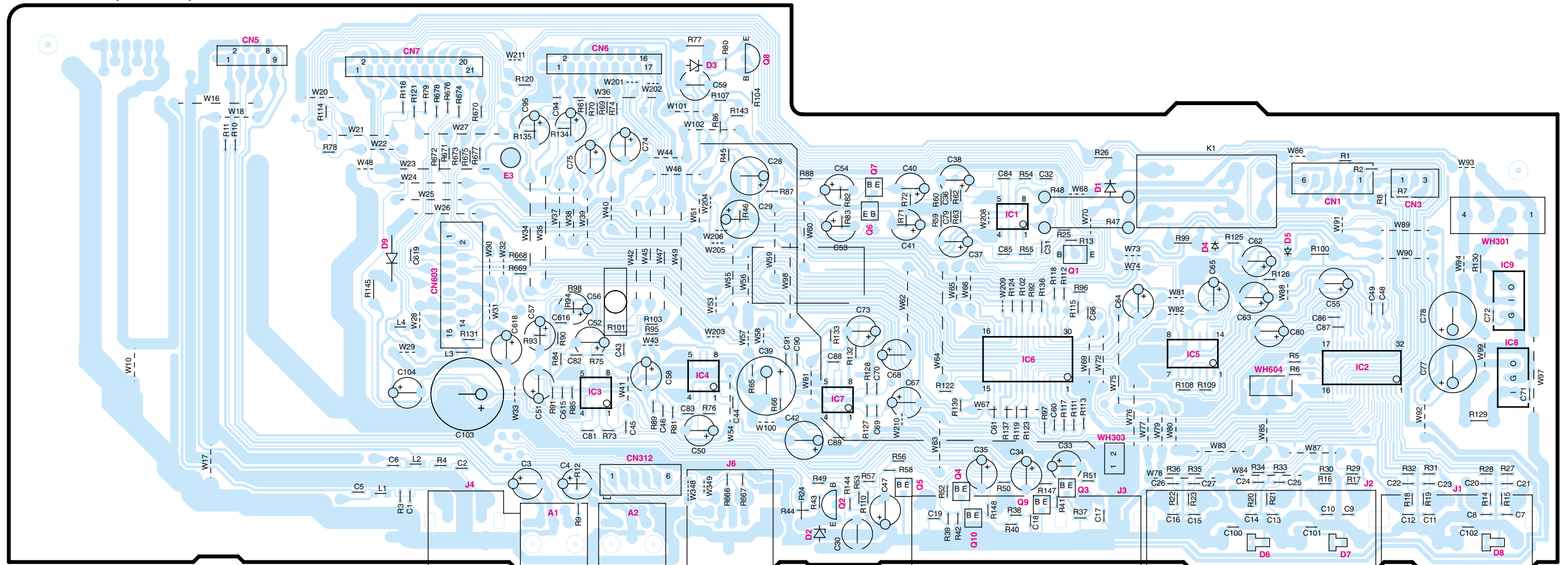
1
2
3
4
5
6
7



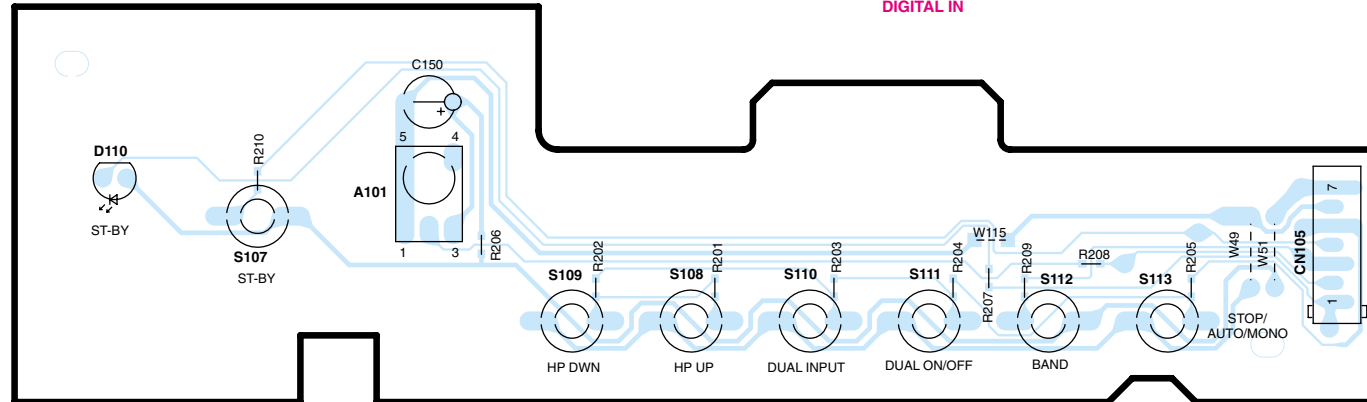
Refer to the schematic diagram for the value of resistors and capacitors.

PC BOARD(Component side view)

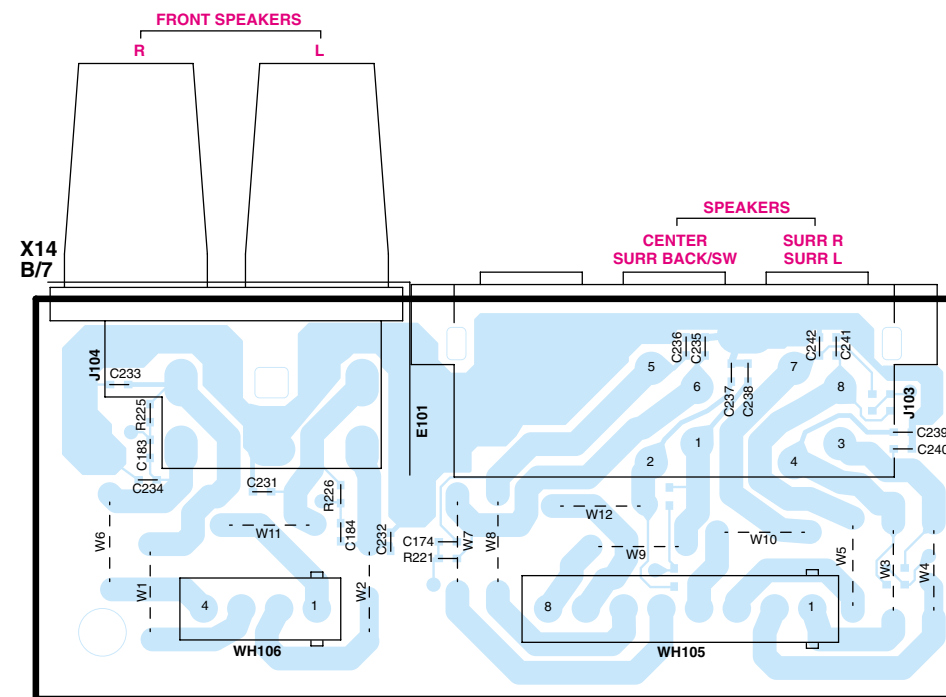
X25-6630-11 B/2 (J75-0046-01)



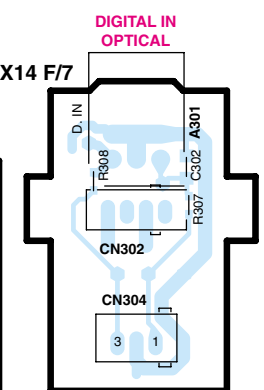
X14 D/7



X14 B/7

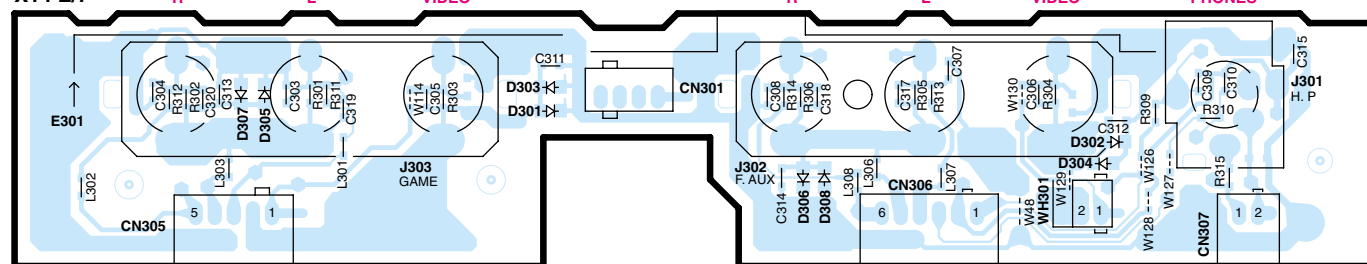


X14 F/7



X14 G/7

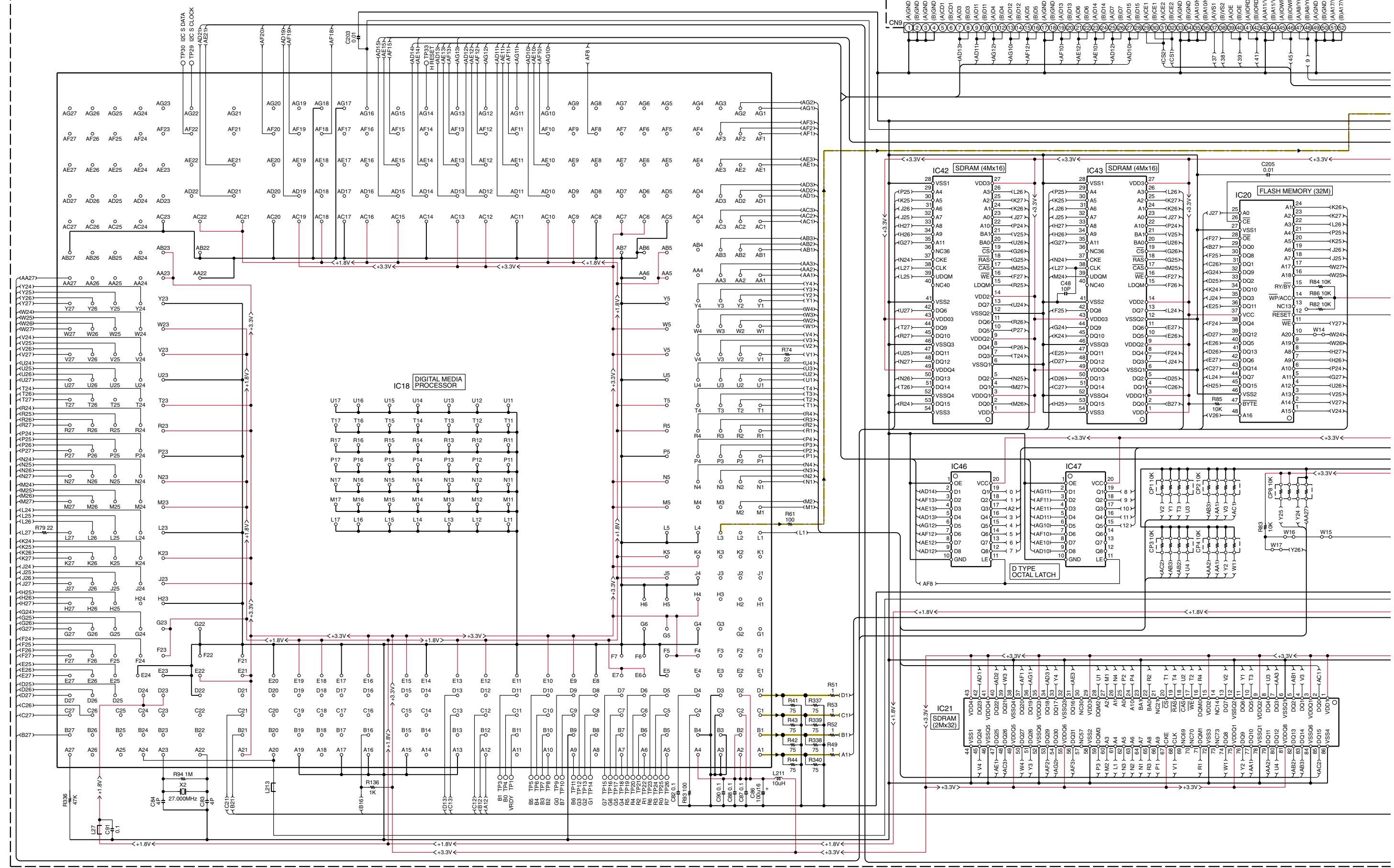
X14 E/7



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

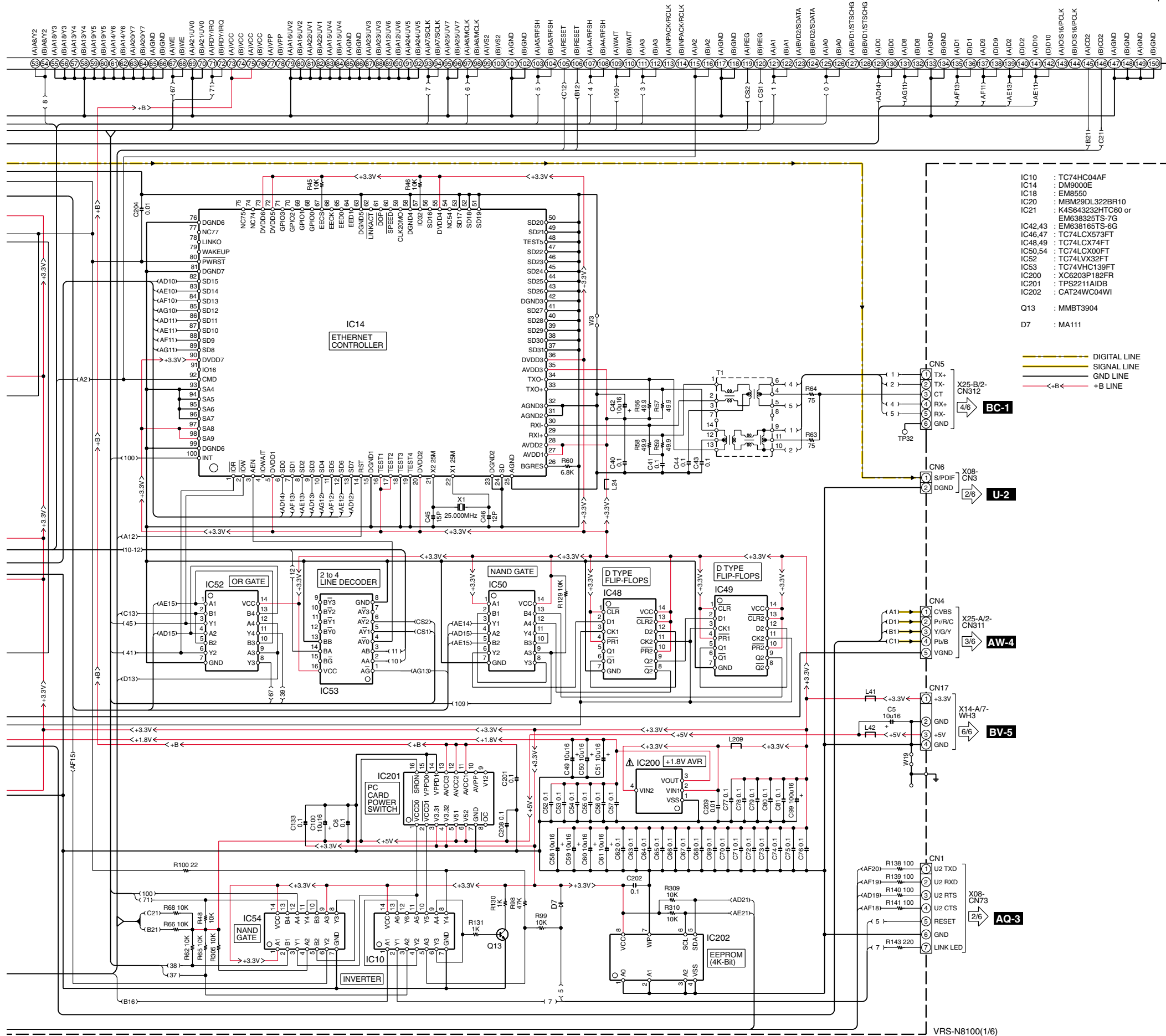
VRS-N8100

(X17-1100-11)



PCMCIA CARD SLOT (E68-0021-05)

PCMCIA CARD SLOT (E68-0021-05)



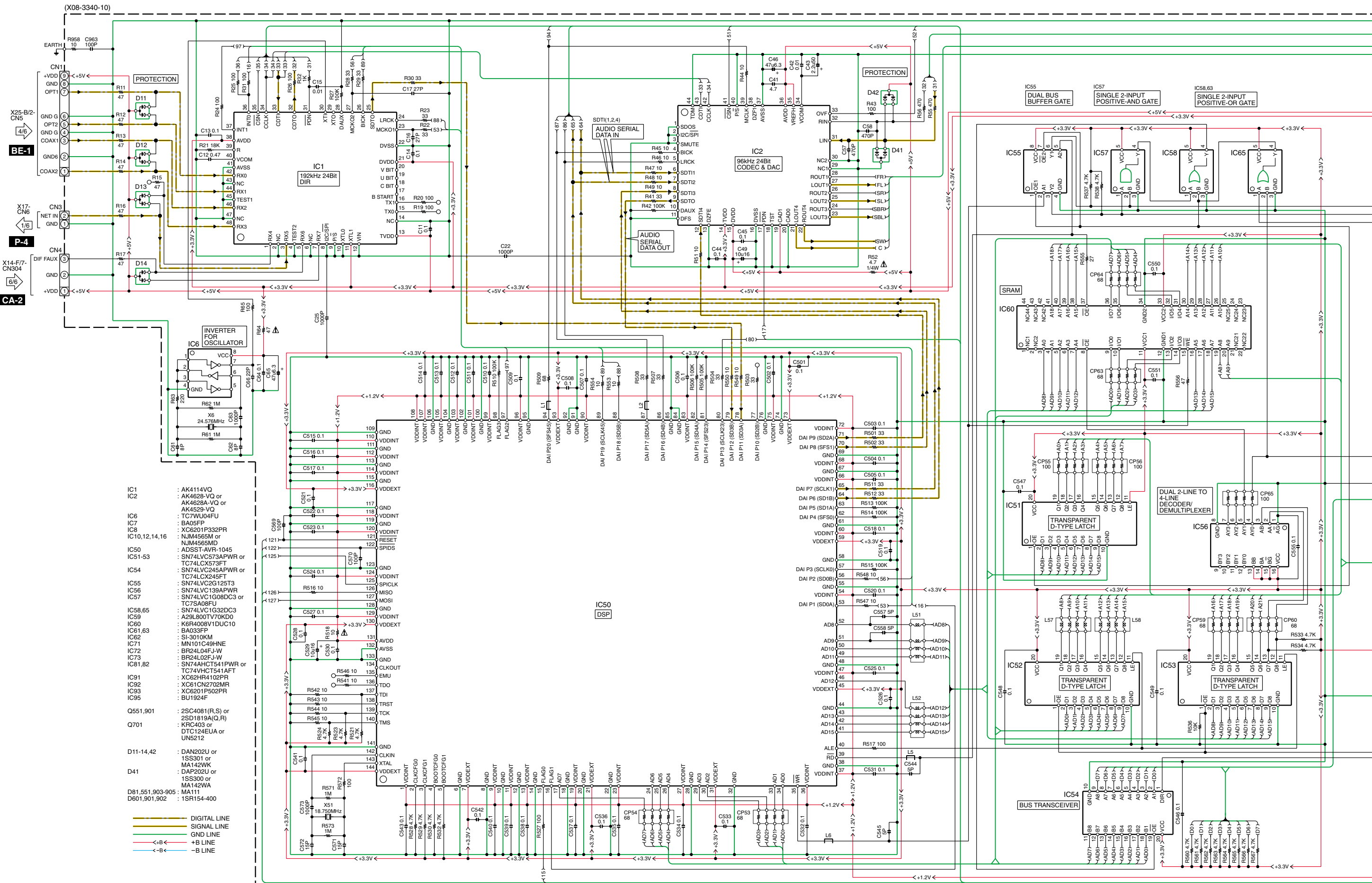
- IC10 : TC74HC04AF
- IC14 : DM9000E
- IC18 : EM8550
- IC20 : MBM29DL322BR10
- IC21 : K4S643232HTC60 or EM638325TS-7G
- IC42,43 : EM638165TS-6G
- IC46,47 : TC74LCX573FT
- IC48,49 : TC74LCX74FT
- IC50,54 : TC74LCX00FT
- IC52 : TC74LVX32FT
- IC53 : TC74VHC139FT
- IC200 : XC6203P182FR
- IC201 : TPS2211AIDB
- IC202 : CAT24WC04WI
- Q13 : MMBT3904
- D7 : MA111

— DIGITAL LINE
— SIGNAL LINE
— GND LINE
← +B LINE

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

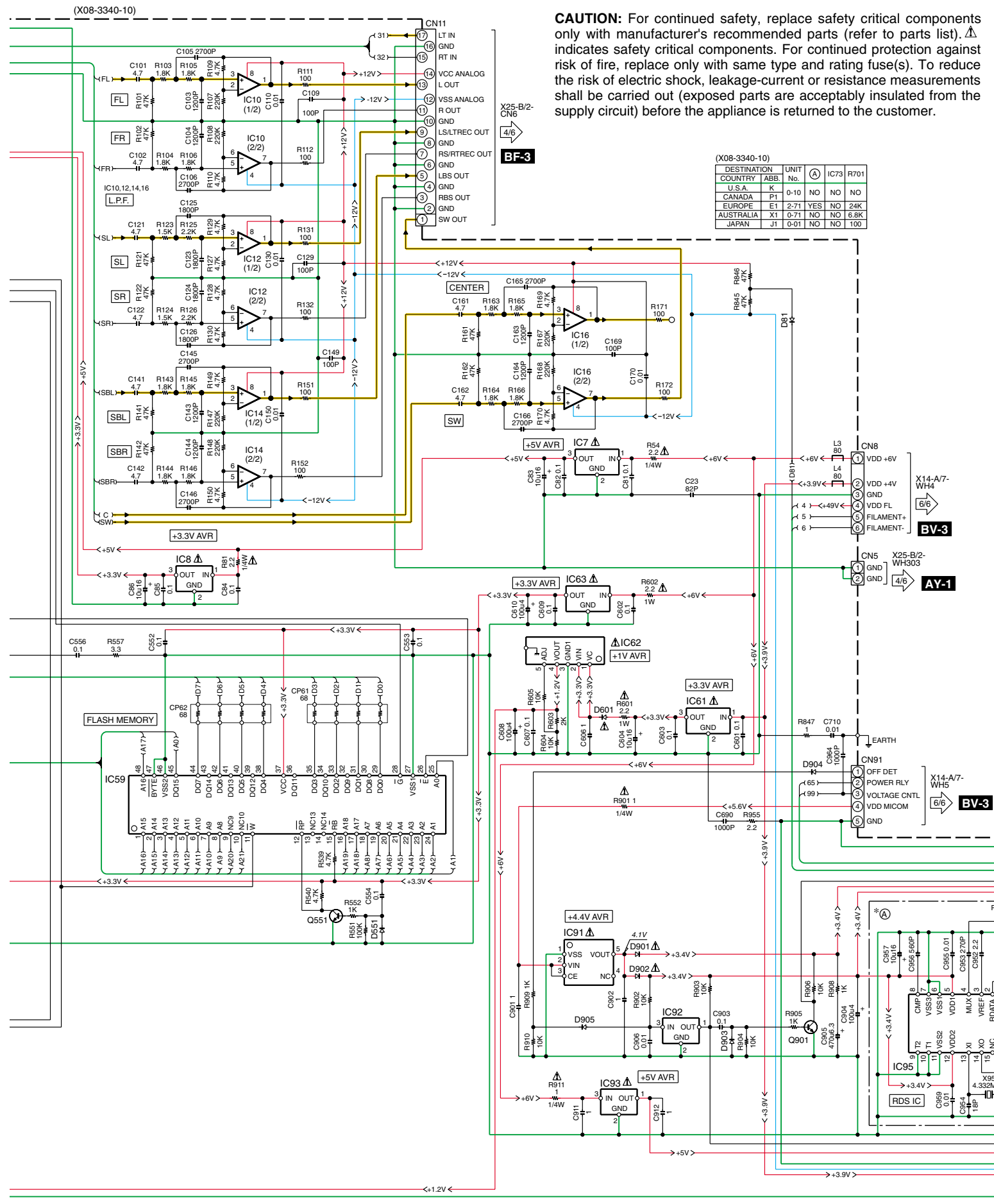
The DC voltage is an actual reading measured with a high impedance type voltmeter with no signal input. The measurement value may vary depending on the measuring instruments used or on the product.

VRS-N8100

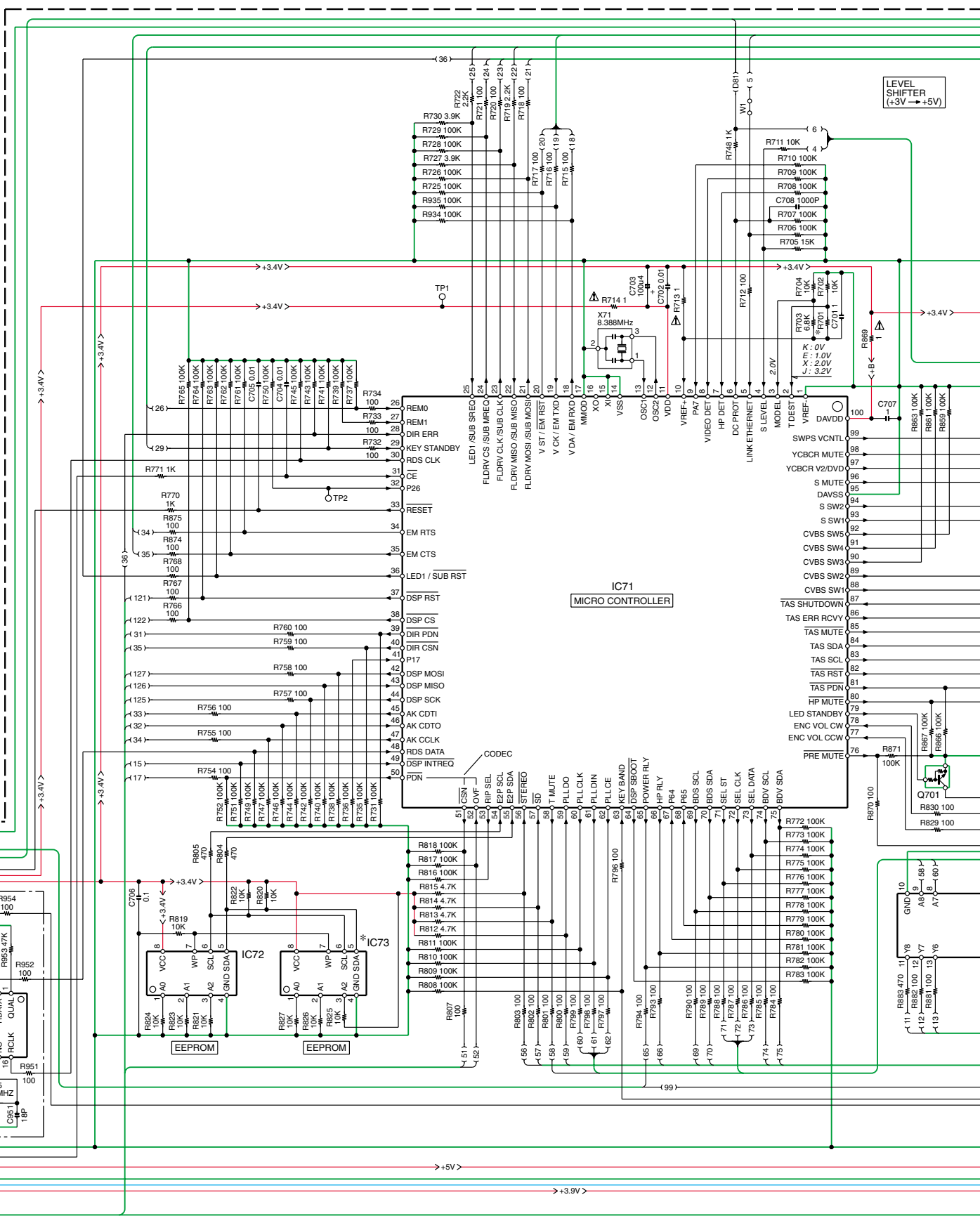


- IC1 : AK4114VQ
 IC2 : AK4628-VQ or AK4628A-VQ or AK4529-VQ
 IC6 : TC7WU04FU
 IC7 : BA05FP
 IC8 : XG6201P332PPR
 IC10,12,14,16 : NJM4565M or NJM4565MD
 IC50 : ADSST-AVR-1045
 IC51-53 : SN74LVC573APWR or TC74LXC573FT
 IC54 : SN74LVC245APWR or TC74LVC245FT
 IC55 : SN74LVC2G125T3
 IC56 : SN74LVC139APWR
 IC57 : SN74LVC1G08DC3 or TC7SA08FU
 IC58,65 : SN74LVC1G32DC3
 IC59 : A29L800TV70KD0
 IC60 : K6R4008V1DUC10
 IC61,63 : BA033FP
 IC62 : SI-3010KM
 IC71 : MN101C49HNE
 IC72 : BR24L04FJ-W
 IC73 : BR24L02FJ-W
 IC81,82 : SN74AHCT541PWR or TC74VHCT541AFT
 IC91 : XC62HR41023PR
 IC92 : X051CN2702MR
 IC93 : XG6201P502PPR
 IC95 : BU1924F
 Q551,901 : 2SC4081(R,S) or 2SD1819A(O,R)
 Q701 : KRC403 or DTC124EUA or UN5212
 D11-14,42 : DAN202U or 1SS301 or MA142WK
 D41 : DAP202U or 1SS300 or MA142WA
 D81,551,903,905 : MA111
 D601,901,902 : 1SR154-400

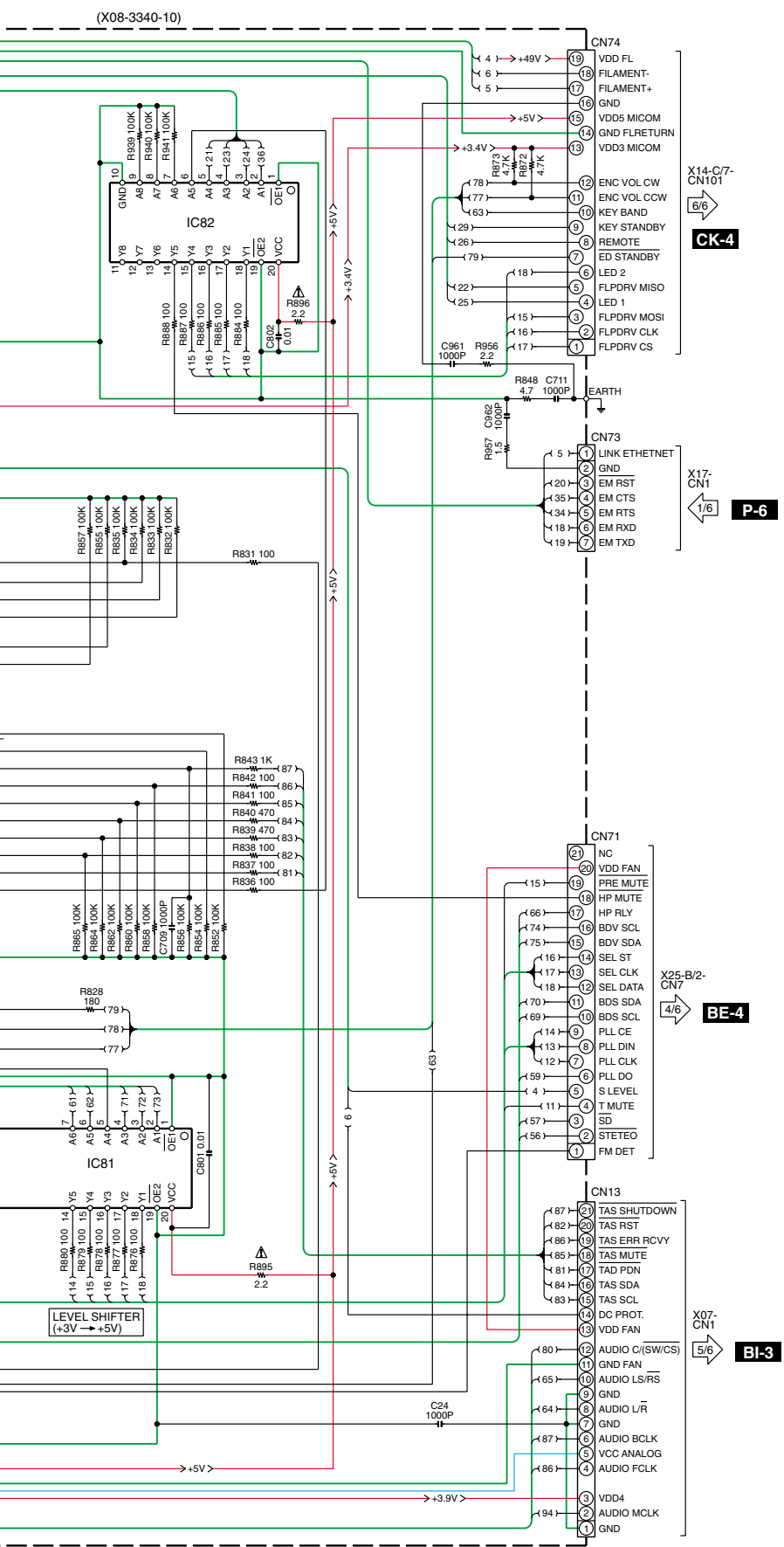
- DIGITAL LINE
- SIGNAL LINE
- GND LINE
- +B LINE
- -B LINE



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

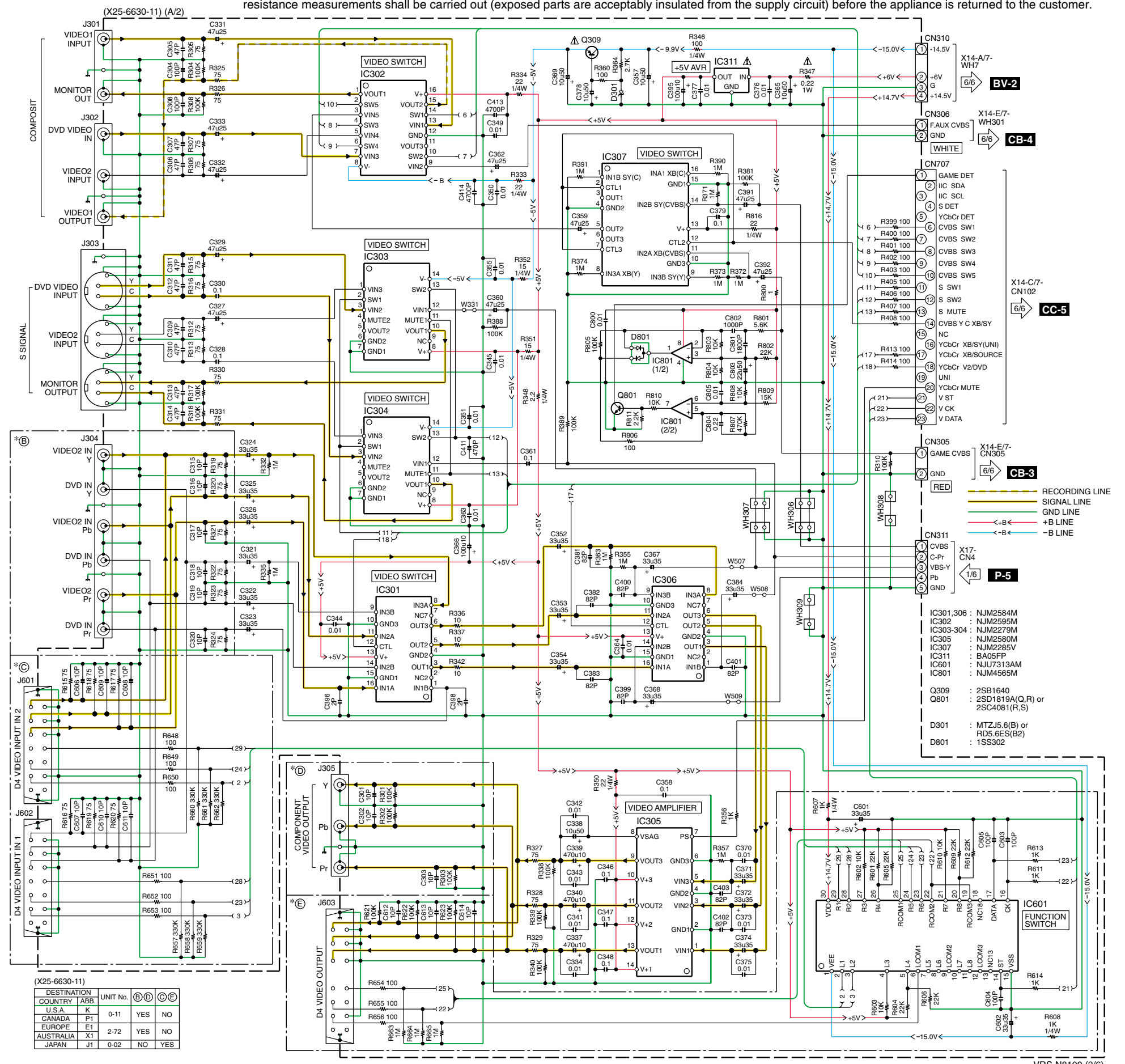


VRS-N8100



VRS-N8100

CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ⚠ 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.

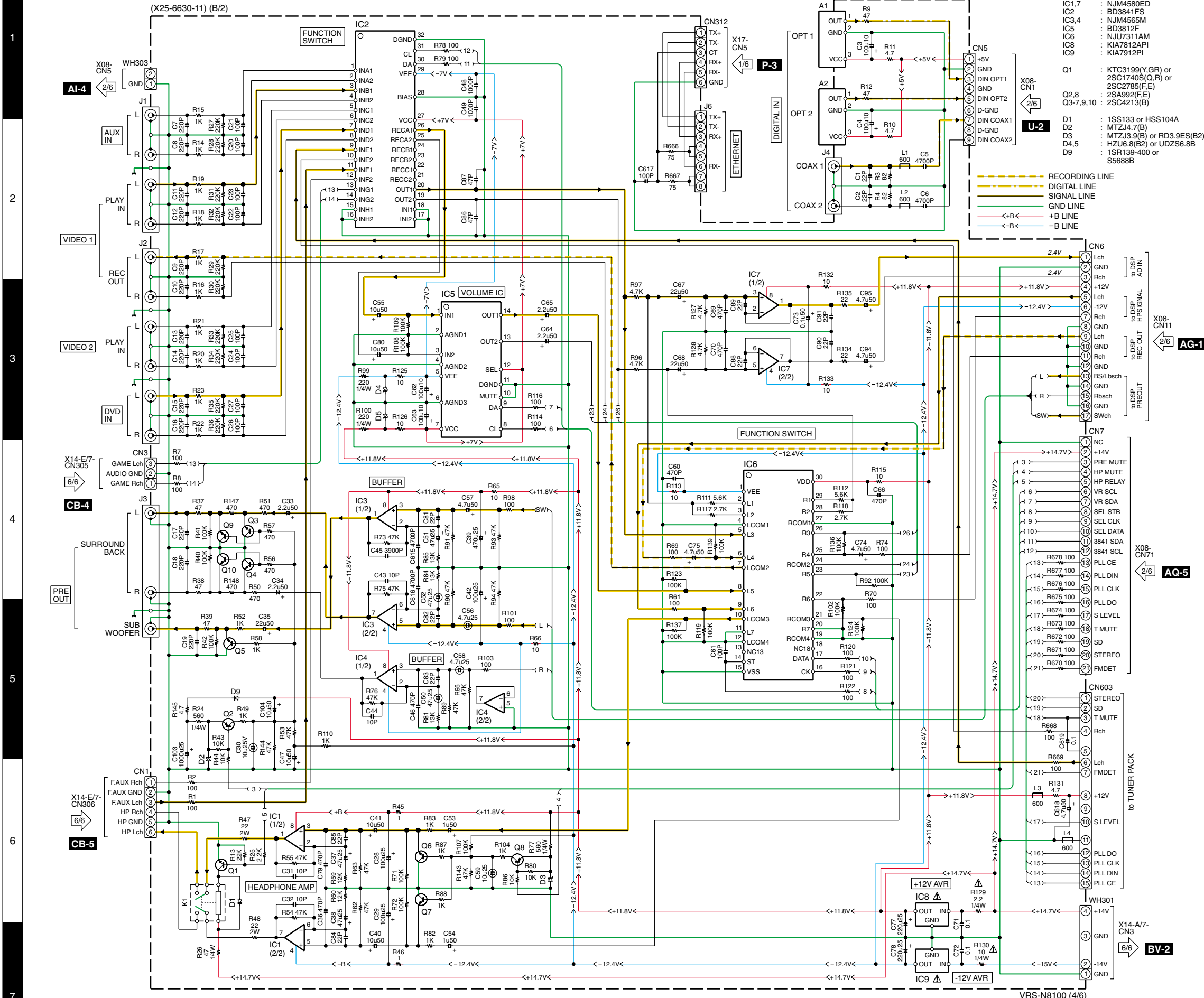


DESTINATION COUNTRY ABB.	UNIT No.	(B)	(C)	(E)
U.S.A.	K	0-11	YES	NO
CANADA	P1			
EUROPE	E1	2-72	YES	NO
AUSTRALIA	X1			
JAPAN	J1	0-02	NO	YES

- RECORDING LINE
- SIGNAL LINE
- GND LINE
- +B LINE
- -B LINE

- IC301,306 : NJM2584M
- IC302 : NJM2595M
- IC303-304 : NJM2279M
- IC305 : NJM2580M
- IC307 : NJM2285V
- IC311 : BA05FP
- IC601 : NJU7313AM
- IC801 : NJM4565M
- Q309 : 2SB1640
- Q801 : 2SD1819A(Q,R) or 2SC4081(R,S)
- D301 : MTZJ5.6(B) or RD5.6ES(B2)
- D801 : 1SS302

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



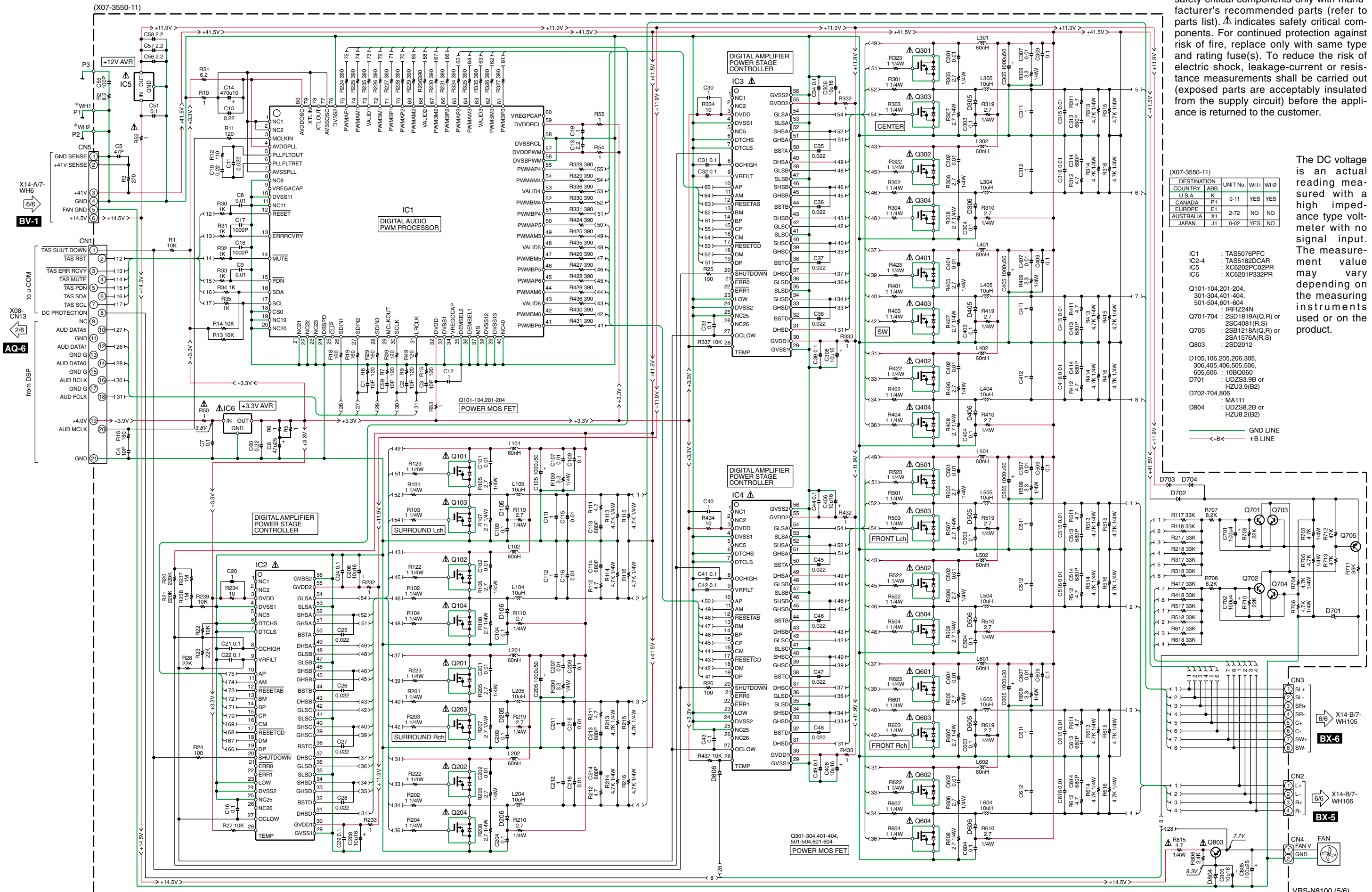
- | | |
|-----------|--|
| IC1,7 | : NJM4580ED |
| IC2 | : BD3841FS |
| IC3,4 | : NJM4565M |
| IC5 | : BD3812F |
| IC6 | : NJU7311AM |
| IC8 | : KIA7812API |
| IC9 | : KIA7912PI |
| Q1 | : KTC3199(Y,GR) or 2SC1740S(Q,R) or 2SC2785(F,E) |
| Q2,8 | : 2SA992(F,E) |
| Q3-7,9,10 | : 2SC4213(B) |
| D1 | : 1SS133 or HSS104A |
| D2 | : MTZJ4.7(B) |
| D3 | : MTZJ3.9(B) or RD3.9ES(B2) |
| D4,5 | : HZU6.8(B2) or UDZS6.8B |
| D9 | : 1SR139-400 or S5688B |

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

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

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

VRS-N8100



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.

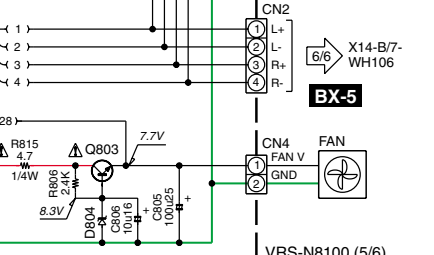
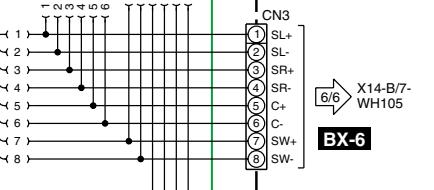
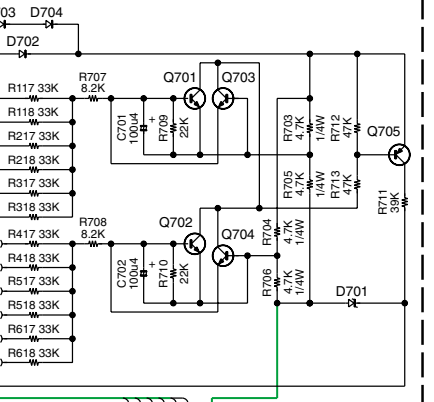
DESTINATION	COUNTRY	ABB.	UNIT No.	WH1	WH2
U.S.A.	K		0-11	YES	YES
CANADA	P1			NO	NO
EUROPE	E1		2-72	NO	NO
AUSTRALIA	X1			YES	NO
JAPAN	J1		0-02	YES	NO

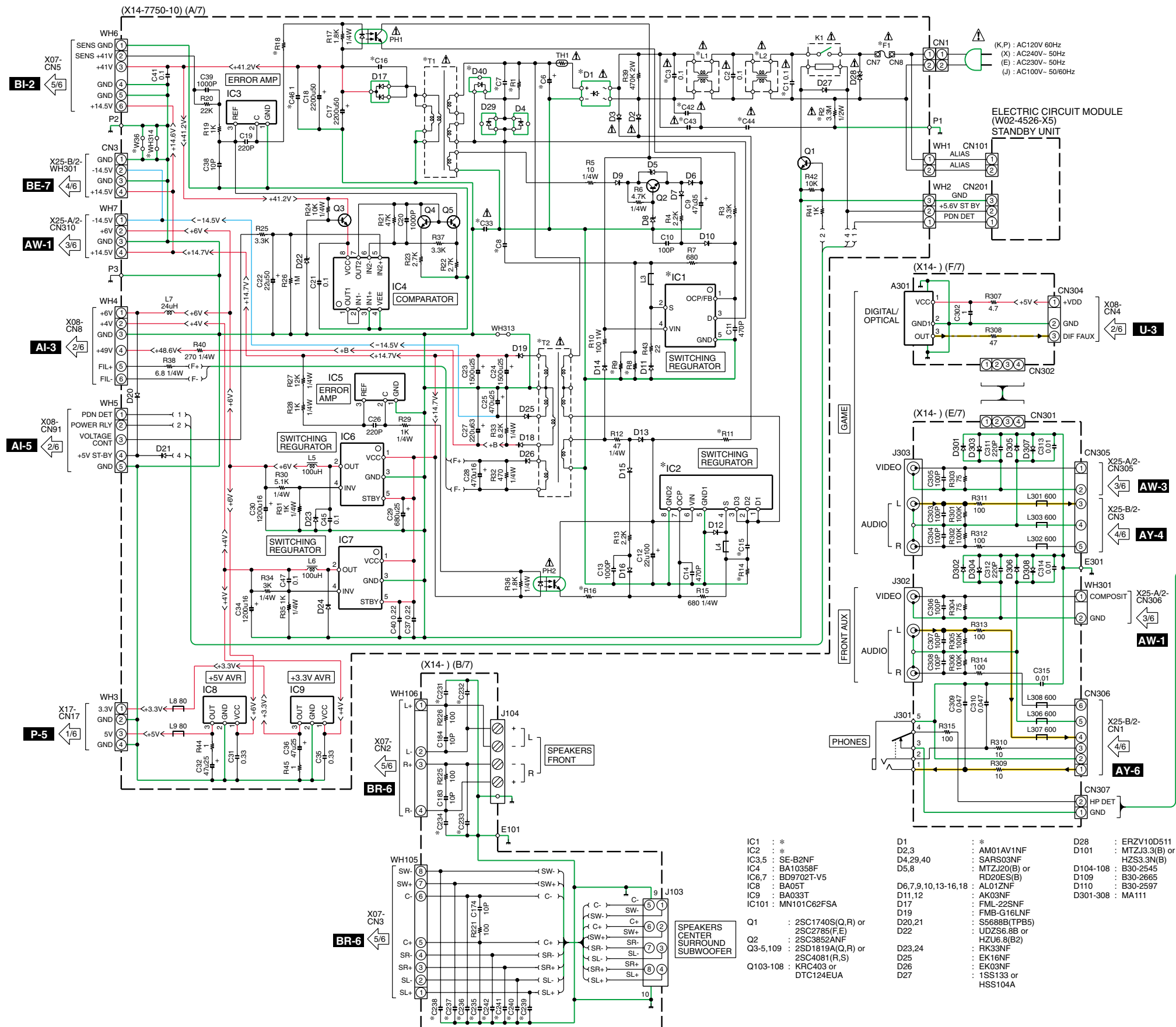
- IC1 : TAS5076PFC
- IC2-4 : TAS5182DCAR
- IC5 : XC6202PC02PR
- IC6 : XC6201P332PR

- Q101-104,201-204, 301-304,401-404, 501-504,601-604 : IRF724N
- Q701-704 : 2SD1819A(Q,R) or 2SC4081(R,S)
- Q705 : 2SB1218A(Q,R) or 2SA1576A(R,S)
- Q803 : 2SD2012

- D105,106,205,206,305, 306,405,406,505,506, 605,606 : 10BQ060
- D701 : UDZS3.9B or HZU3.9(B2)
- D702-704,806 : MA111
- D804 : UDZS8.2B or HZU8.2(B2)

— GND LINE
— +B LINE





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

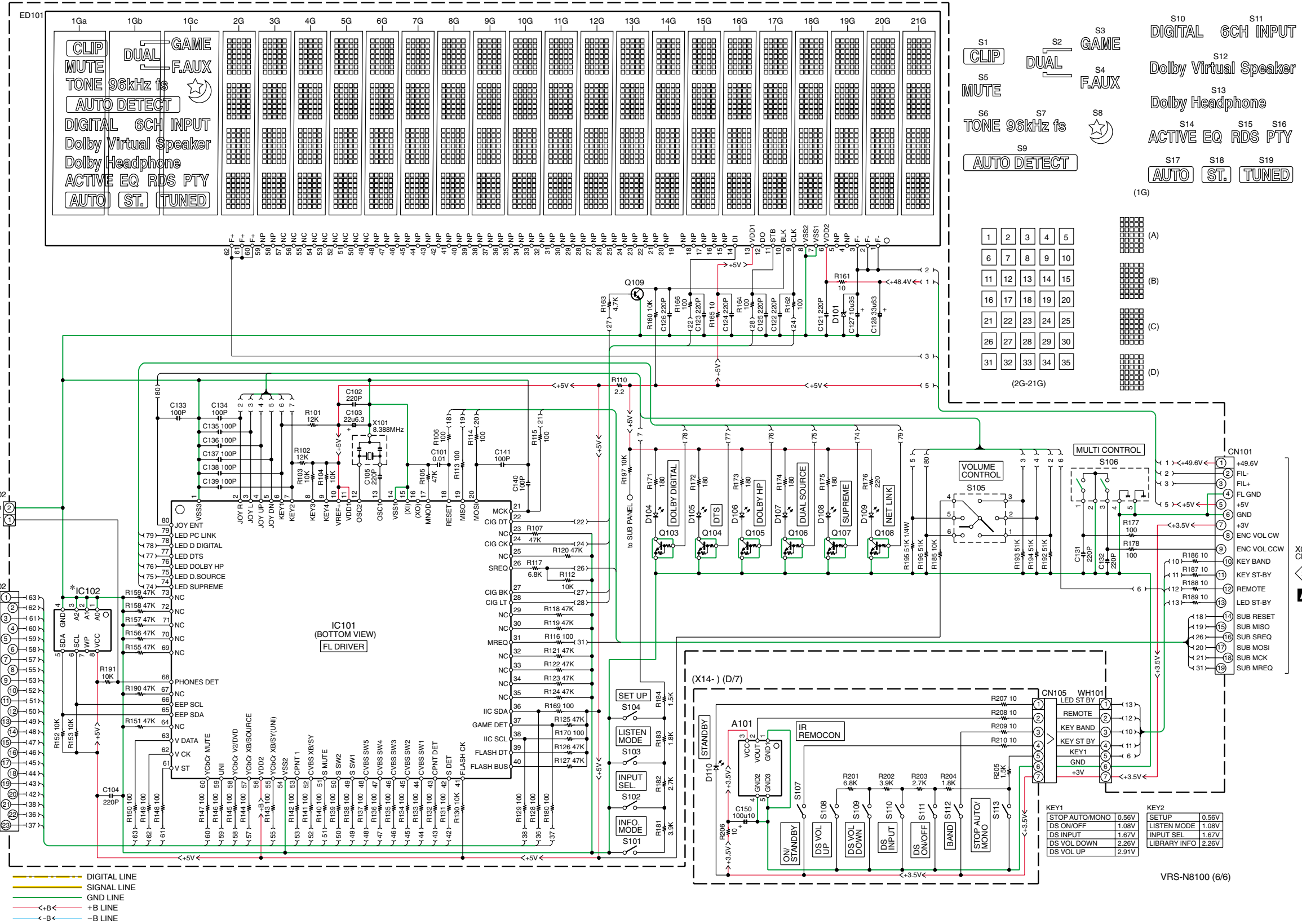
The DC voltage is an actual reading measured with a high impedance type voltmeter with no signal input. The measurement value may vary depending on the measuring instruments used or on the product.

- IC1 : *
- IC2 : *
- IC3,5 : SE-B2NF
- IC4 : BA10358F
- IC6,7 : BD9702T-V5
- IC8 : BA05T
- IC9 : BA033T
- IC101 : MN101C62FSA
- Q1 : 2SC1740S(Q,R) or 2SC2785(F,E)
- Q2 : 2SC3852ANF
- Q3-5,109 : 2SD1819A(Q,R) or 2SC4081(F,S)
- Q103-108 : DTC124EUA
- D1 : *
- D2,3 : *
- D4,29,40 : SARS03NF
- D5,8 : MTZJ20(B) or RD20ES(B)
- D6,7,9,10,13-16,18 : AL01ZNF
- D11,12 : AK03NF
- D17 : FML-22SNF
- D19 : FMB-G16LNF
- D20,21 : S5688B(TPB5)
- D22 : UDZ56.8B or HZU6.8(B2)
- D23,24 : RK33NF
- D25 : EK16NF
- D26 : EK03NF
- D27 : TSS133 or HSS104A
- D81 : ERZV10D511
- D101 : MTZJ3.3(B) or HZS3.3(B)
- D104-108 : B30-2545
- D109 : B30-2665
- D110 : B30-2597
- D301-308 : MA111

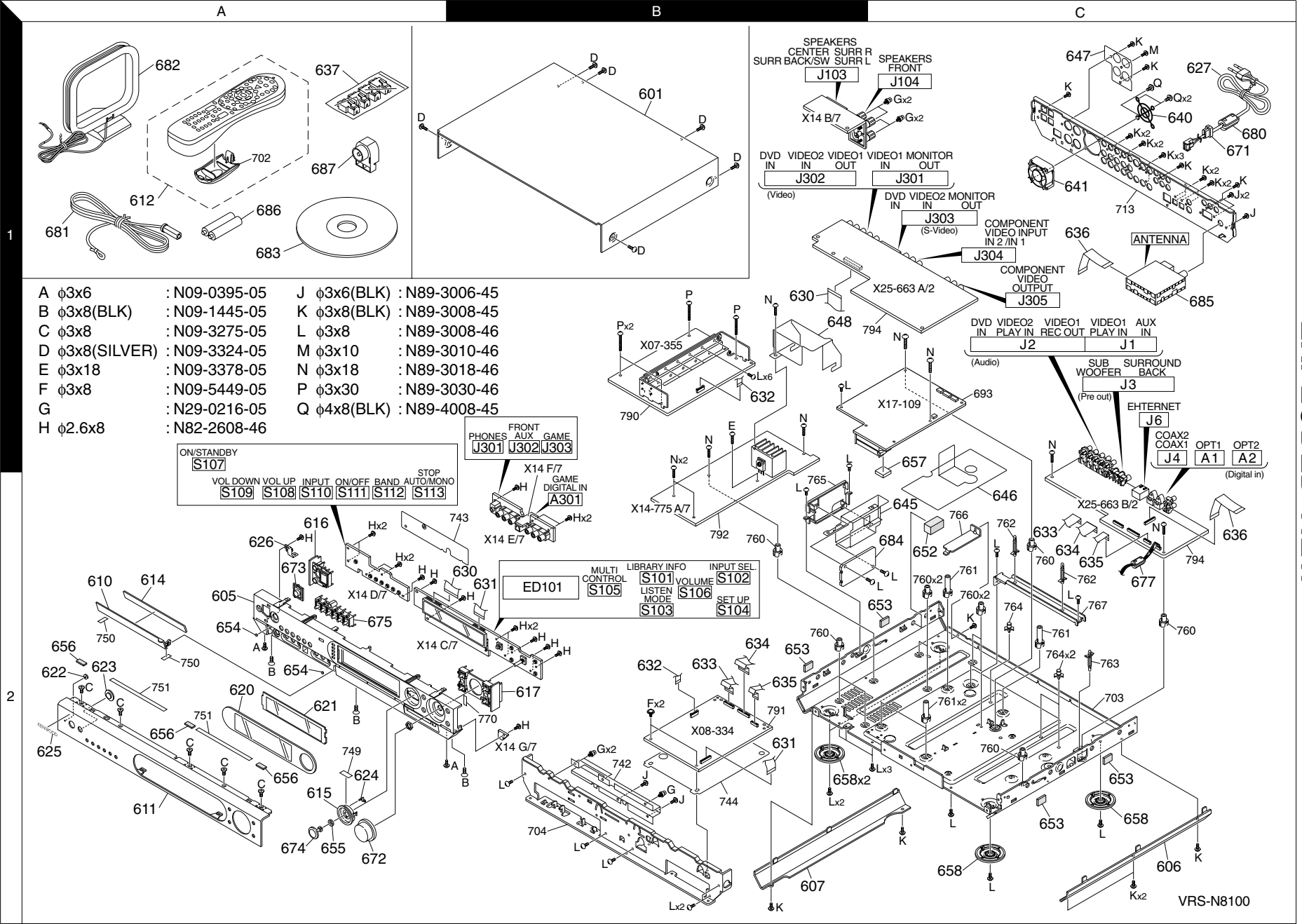
(X14-7750-10)

DESTINATION	COUNTRY	ABB.	UNIT No.	C1	C3	C6	C7	C8	C15	C16	C33	C42,43	C44	C46	C231-234	C235-242	D1	D40	F1	IC1	IC2	IC102	L1,2	R1	R2	R8	R9	R11	R14	R16	R18	T1	T2	W36	WH314
U.S.A.	K	0-10	NO	YES	1500u	200	0.01	2200P	470P	0.015	3300P	3300P	3300P	YES	1000P	330P	RBV-604	NO	6.3A	STR-F6629BNF	STR-L451NF	NO	L79-1300-05	47K 3W	YES	0.1	0.068	100K 2W	0.47 3.3K	2.7K 1/4W	L07-3276-05	L07-3277-05	YES	NO	
CANADA	F1				470u	400		4700P	680P	220P	4700P	2200P	1000P	1500P	NO	1000P	1000P	RBV-606	YES	T4A	STR-F6668MNF	STR-L472NF	NO	L79-1298-05	100K 3W	NO	0.15	0.15	220K 2W	0.56 5.6K	1.5K 1/4W	L07-3279-05	L07-3280-05	YES	NO
AUSTRALIA	X1	2-71	YES	NO	1500u	200		4700P	680P	220P	4700P	2200P	1000P	1500P	NO	1000P	1000P	RBV-606	YES	T4A	STR-F6668MNF	STR-L472NF	NO	L79-1298-05	100K 3W	NO	0.1	0.068	100K 2W	0.47 3.3K	2.7K 1/4W	L07-3276-05	L07-3277-05	NO	YES
EUROPE	E1				1500u	200		4700P	680P	220P	4700P	2200P	1000P	1500P	NO	1000P	1000P	RBV-604	NO	6.3A	STR-F6629BNF	STR-L451NF	NO	L79-1296-05	47K 3W	NO	0.1	0.068	100K 2W	0.47 3.3K	2.7K 1/4W	L07-3276-05	L07-3277-05	NO	YES
JAPAN	J1	0-01	NO	YES	1500u	200		4700P	680P	220P	4700P	2200P	1000P	1500P	NO	220P	470P	RBV-604	NO	6.3A	STR-F6629BNF	STR-L451NF	NO	L79-1296-05	47K 3W	NO	0.1	0.068	100K 2W	0.47 3.3K	2.7K 1/4W	L07-3276-05	L07-3277-05	NO	YES

(X14-) (C/7)



VRS-N8100 (6/6)



- | | | | | | |
|---|---------------|---------------|---|------------|---------------|
| A | φ3x6 | : N09-0395-05 | J | φ3x6 (BLK) | : N89-3006-45 |
| B | φ3x8 (BLK) | : N09-1445-05 | K | φ3x8 (BLK) | : N89-3008-45 |
| C | φ3x8 | : N09-3275-05 | L | φ3x8 | : N89-3008-46 |
| D | φ3x8 (SILVER) | : N09-3324-05 | M | φ3x10 | : N89-3010-46 |
| E | φ3x18 | : N09-3378-05 | N | φ3x18 | : N89-3018-46 |
| F | φ3x8 | : N09-5449-05 | P | φ3x30 | : N89-3030-46 |
| G | | : N29-0216-05 | Q | φ4x8 (BLK) | : N89-4008-45 |
| H | φ2.6x8 | : N82-2608-46 | | | |

ON/STANDBY
S107

VOL DOWN VOL UP INPUT ON/OFF BAND AUTO/MONO STOP
S109 S108 S110 S111 S112 S113

FRONT PHONES AUX GAME
J301 J302 J303

X14 F/7 GAME DIGITAL IN
A301

ED101

MULTI CONTROL S105

LIBRARY INFO S101

VOLUME S102

LISTEN MODE S106

SET UP S104

EXPLODED VIEW

VRS-N8100

VRS-N8100

* New Parts

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

①

Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
VRS-N8100						
601	1B	*	A01-3915-01	METALLIC CABINET		
605	2A	*	A22-1890-31	SUB PANEL		
606	2C		A50-1416-02	SIDE PLATE		
607	2B		A50-1417-02	SIDE PLATE		
610	2A	*	A52-1003-13	DOOR	E1	
610	2A	*	A52-1011-03	DOOR	KP1X1	
611	2A	*	A60-2364-12	PANEL	KP1	
611	2A	*	A60-2365-12	PANEL	X1E1	
612	1A	*	A70-1650-05	REMOTE CONTROLLER ASSY	KP1X1	
612	1A	*	A70-1651-05	REMOTE CONTROLLER ASSY	E1	
-		*	B60-5489-00	INSTRUCTION MANUAL EN		
-		*	B60-5490-00	INSTRUCTION MANUAL FR	P1E1	
-		*	B60-5491-00	INSTRUCTION MANUAL GE	E1	
-		*	B60-5493-00	INSTRUCTION MANUAL NE	E1	
-		*	B60-5494-00	INSTRUCTION MANUAL IT	E1	
-		*	B60-5495-00	INSTRUCTION MANUAL ES	E1	
614	2A		B03-3934-04	DRESSING PLATE		
615	2A		B07-2681-14	ESCUTCHEON		
616	2A		B07-2682-03	ESCUTCHEON		
617	2B		B07-2683-13	ESCUTCHEON		
620	2A	*	B10-3970-02	FRONT GLASS		
621	2A	*	B11-1586-03	COLOR FILTER		
622	2A		B12-0341-04	INDICATOR		
623	2A		B12-0480-04	INDICATOR		
624	2A		B12-0481-04	INDICATOR		
625	2A		B43-0336-04	BADGE		
626	2A	*	E29-1705-04	LEAD PLATE		
627	1C		E30-2717-05	AC POWER CORD	X1	
627	1C		E30-2941-05	AC POWER CORD	KP1	
627	1C		E30-2942-05	AC POWER CORD	E1	
630	1B,2B	*	E35-3608-05	FLAT CABLE	23P	470MM
631	2C		E35-3609-05	FLAT CABLE	19P	150MM
632	1B,2B		E35-3610-05	FLAT CABLE	21P	80MM
633	2B,2C		E35-3611-05	FLAT CABLE	17P	120MM
634	2B,2C		E35-3612-05	FLAT CABLE	21P	120MM
635	2B,2C		E35-3613-05	FLAT CABLE	9P	120MM
636	1C,2C		E35-3614-05	FLAT CABLE	15P	60MM
637	1A		E69-0013-05	ADAPTER		
640	1C		F07-2027-05	COVER		
641	1C		F09-0185-05	FAN		
645	2C		F20-3610-04	INSULATING BOARD		
646	2C		F20-3611-03	INSULATING BOARD		
647	1C		F20-3613-14	INSULATING BOARD		
648	1B	*	F20-3619-04	INSULATING BOARD	X1E1	
652	2C		G11-2319-04	CUSHION		
653	2B,2C		G11-2416-04	CUSHION		
654	2A		G11-2888-04	CUSHION		
655	2A		G11-2952-04	CUSHION		
656	2A	*	G53-0092-04	GASKETTING		
657	1C	*	G53-0094-04	GASKETTING		

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②

Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
-			H10-7909-02	POLYSTYRENE FOAMED FIXTURE		
-			H10-7910-02	POLYSTYRENE FOAMED FIXTURE		
-			H25-0232-04	PROTECTION BAG (235X350X0.03)		
-		*	H25-0391-04	PROTECTION BAG	X1	
-			H50-4880-14	ITEM CARTON CASE		
-		*	H50-4881-14	ITEM CARTON CASE	E1	
-		*	H50-4887-04	ITEM CARTON CASE	KP1	
658	2B,2C		J02-1560-03	FOOT		
671	1C		J42-0349-05	POWER CORD BUSHING		
672	2A		K29-8324-04	KNOB	KP1X1	
672	2A		K29-8337-04	KNOB	E1	
673	2A		K29-8325-04	KNOB		
674	2A		K29-8326-03	KNOB		
675	2A		K29-8336-03	KNOB		
677	2C	*	L92-0072-15	FERRITE CORE	X1E1	
680	1C		L92-0579-05	FERRITE CORE		
681	1A		T90-0175-05	T TYPE ANTENNA	X1E1	
681	1A		T90-0905-05	LEAD WIRE ANTENNA	KP1	
682	1A		T90-0906-05	LOOP ANTENNA		
687	1A		T90-0827-05	ANTENNA ADAPTOR	X1E1	
683	1A	*	W01-1835-05	COMPACT DISC		
684	2C		W02-4526-15	ELECTRIC CIRCUIT MODULE		
685	1C		W02-4542-05	TUNER ASSY	KP1	
685	1C		W02-4543-05	TUNER ASSY	E1	
685	1C		W02-4545-05	TUNER ASSY	X1	
686	1A		W09-0022-05	BATTERY		
693	1C	*	X17-1100-11	PC CONTROL UNIT		
DIGITAL AMPLIFIER (X07-3550-11)						
C1 -4			CC73GCH1H100D	CHIP C	10PF	D
C5			CC73GCH1H470J	CHIP C	47PF	J
C6			CE04KW1E470M	ELECTRO	47UF	25WV
C7			CK73FB1C104K	CHIP C	0.10UF	K
C8 ,9			CK73GB1H103K	CHIP C	0.010UF	K
C10			C91-1667-05	CERAMIC CAPACITOR		
C11			CK73FB1H223K	CHIP C	0.022UF	K
C12			CK73FF1C105Z	CHIP C	1.0UF	Z
C13			CK73FF1C225Z	CHIP C	2.2UF	Z
C14			CE04KW1A471M	ELECTRO	470UF	10WV
C15			CK73FF1C224Z	CHIP C	0.22UF	Z
C16			CK73FB1C104K	CHIP C	0.10UF	K
C17 ,18			CC73GSL1H102J	CHIP C	1000PF	J
C19 ,20			CK73FF1C105Z	CHIP C	1.0UF	Z
C21 ,22			CK73FB1C104K	CHIP C	0.10UF	K
C24			CK73FB1C104K	CHIP C	0.10UF	K
C25 -28			CK73FB1H223K	CHIP C	0.022UF	K
C29			CK73FB1C104K	CHIP C	0.10UF	K
C30			CK73FF1C105Z	CHIP C	1.0UF	Z
C31 -34			CK73FB1C104K	CHIP C	0.10UF	K
C35 -38			CK73FB1H223K	CHIP C	0.022UF	K
C39			CK73FB1C104K	CHIP C	0.10UF	K
C40			CK73FF1C105Z	CHIP C	1.0UF	Z
C41 -44			CK73FB1C104K	CHIP C	0.10UF	K

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C45 -48			CK73FB1H223K	CHIP C 0.022UF K		
C49			CK73FB1C104K	CHIP C 0.10UF K		
C51			CK73FB1C104K	CHIP C 0.10UF K		
C55			CC73GCH1H101J	CHIP C 100PF J		
C56 -58			CK73FF1C225Z	CHIP C 2.2UF Z		
C59			CC73GCH1H100D	CHIP C 10PF D		
C60			CK73FF1C224Z	CHIP C 0.22UF Z		
C101,102			C91-1652-05	CERAMIC CAPACITOR		
C103,104			C91-1664-05	CERAMIC CAPACITOR		
C105		*	C90-5807-15	ALUMINIUM ELECTROLYTIC C.		
C107			CK73GB1H103K	CHIP C 0.010UF K		
C109			CK73FB1H104K	CHIP C 0.10UF K		
C111,112			C91-1675-05	PLASTIC FILM CAPACITOR		
C113,114			CC73GSL1H681J	CHIP C 680PF J		
C115,116			CK73GB1H103K	CHIP C 0.010UF K		
C201,202			C91-1652-05	CERAMIC CAPACITOR		
C203,204			C91-1664-05	CERAMIC CAPACITOR		
C205		*	C90-5807-15	ALUMINIUM ELECTROLYTIC C.		
C206			CE32AP1C100M	CHIP EL 10UF 16WV		
C207			CK73GB1H103K	CHIP C 0.010UF K		
C208			CE32AP1C100M	CHIP EL 10UF 16WV		
C209			CK73FB1H104K	CHIP C 0.10UF K		
C211,212			C91-1675-05	PLASTIC FILM CAPACITOR		
C213,214			CC73GSL1H681J	CHIP C 680PF J		
C215,216			CK73GB1H103K	CHIP C 0.010UF K		
C301,302			C91-1652-05	CERAMIC CAPACITOR		
C303,304			C91-1664-05	CERAMIC CAPACITOR		
C305		*	C90-5807-15	ALUMINIUM ELECTROLYTIC C.		
C306			CE32AP1C100M	CHIP EL 10UF 16WV		
C307			CK73GB1H103K	CHIP C 0.010UF K		
C308			CE32AP1C100M	CHIP EL 10UF 16WV		
C309			CK73FB1H104K	CHIP C 0.10UF K		
C311,312			C91-1675-05	PLASTIC FILM CAPACITOR		
C313,314			CC73GSL1H681J	CHIP C 680PF J		
C315,316			CK73GB1H103K	CHIP C 0.010UF K		
C401,402			C91-1652-05	CERAMIC CAPACITOR		
C403,404			C91-1664-05	CERAMIC CAPACITOR		
C405		*	C90-5807-15	ALUMINIUM ELECTROLYTIC C.		
C406			CE32AP1C100M	CHIP EL 10UF 16WV		
C407			CK73GB1H103K	CHIP C 0.010UF K		
C408			CE32AP1C100M	CHIP EL 10UF 16WV		
C409			CK73FB1H104K	CHIP C 0.10UF K		
C411,412			C91-1675-05	PLASTIC FILM CAPACITOR		
C413,414			CC73GSL1H681J	CHIP C 680PF J		
C415,416			CK73GB1H103K	CHIP C 0.010UF K		
C501,502			C91-1652-05	CERAMIC CAPACITOR		
C503,504			C91-1664-05	CERAMIC CAPACITOR		
C505		*	C90-5807-15	ALUMINIUM ELECTROLYTIC C.		
C507			CK73GB1H103K	CHIP C 0.010UF K		
C509			CK73FB1H104K	CHIP C 0.10UF K		
C511,512			C91-1675-05	PLASTIC FILM CAPACITOR		
C513,514			CC73GSL1H681J	CHIP C 680PF J		
C515,516			CK73GB1H103K	CHIP C 0.010UF K		
C601,602			C91-1652-05	CERAMIC CAPACITOR		
C603,604			C91-1664-05	CERAMIC CAPACITOR		

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C605		*	C90-5807-15	ALUMINIUM ELECTROLYTIC C.		
C607			CK73GB1H103K	CHIP C 0.010UF K		
C609			CK73FB1H104K	CHIP C 0.10UF K		
C611,612			C91-1675-05	PLASTIC FILM CAPACITOR		
C613,614			CC73GSL1H681J	CHIP C 680PF J		
C615,616			CK73GB1H103K	CHIP C 0.010UF K		
C701,702			CE32AP0G101M	CHIP EL 100UF 4.0WV		
C805			GE04KW1E101M	ELECTRO 100UF 25WV		
C806			CE32AP1C100M	CHIP EL 10UF 16WV		
CN1			E41-0616-05	FLAT CABLE CONNECTOR		
L101,102			L90-0505-05	COIL		
L104,105			L33-1665-05	LINE FILTER		
L201,202			L90-0505-05	COIL		
L204,205			L33-1665-05	LINE FILTER		
L301,302			L90-0505-05	COIL		
L304,305			L33-1665-05	LINE FILTER		
L401,402			L90-0505-05	COIL		
L404,405			L33-1665-05	LINE FILTER		
L501,502			L90-0505-05	COIL		
L504,505			L33-1665-05	LINE FILTER		
L601,602			L90-0505-05	COIL		
L604,605			L33-1665-05	LINE FILTER		
R1			RK73GB1J103J	CHIP R 10K J 1/16W		
R2			RK73FB2A8R2J	CHIP R 8.2 J 1/10W		
R3			RK73GB1J271J	CHIP R 270 J 1/16W		
R5 ,6			RK73GB1J1R0J	CHIP R 1 J 1/16W		
R7 -9			RK73GB1J121J	CHIP R 120 J 1/16W		
R10			RK73GB1J1R0J	CHIP R 1 J 1/16W		
R11			RK73GB1J121J	CHIP R 120 J 1/16W		
R12			RK73GB1J111J	CHIP R 110 J 1/16W		
R13 ,14			RK73GB1J103J	CHIP R 10K J 1/16W		
R15			RK73GB1J121J	CHIP R 120 J 1/16W		
R16			RK73GB1J181J	CHIP R 180 J 1/16W		
R18 ,19			RK73GB1J161J	CHIP R 160 J 1/16W		
R20 ,21			RK73GB1J224J	CHIP R 220K J 1/16W		
R22			RK73GB1J103J	CHIP R 10K J 1/16W		
R23			RK73GB1J223J	CHIP R 22K J 1/16W		
R24 -26			RK73GB1J101J	CHIP R 100 J 1/16W		
R27			RK73GB1J103J	CHIP R 10K J 1/16W		
R28			RK73GB1J223J	CHIP R 22K J 1/16W		
R29			RK73GB1J161J	CHIP R 160 J 1/16W		
R30 -35			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R39			RK73GB1J121J	CHIP R 120 J 1/16W		
R49			RK73GB1J121J	CHIP R 120 J 1/16W		
R50			RK73GB1J1R0J	CHIP R 1 J 1/16W		
R51		*	RK73FB2A6R2J	CHIP R 6.2 J 1/10W		
Δ R52			RK73GB1J1R0J	CHIP R 1 J 1/16W		
R53 -55			RK73GB1J1R0J	CHIP R 1 J 1/16W		
R101-104			R92-1945-05	METAL GLAZE 1 J 1/4W		
R105-108			R92-4624-05	METAL GLAZE RESISTOR		
R109			R92-4631-05	METAL GLAZE RESISTOR		
R110			R92-4624-05	METAL GLAZE RESISTOR		
R111,112			RK73FB2A4R7J	CHIP R 4.7 J 1/10W		
R113-116			R92-4626-05	METAL GLAZE RESISTOR		

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PARTS LIST

VRS-N8100

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R117,118			RK73GB1J333J	CHIP R 33K	J	1/16W
R119			R92-4624-05	METAL GLAZE RESISTOR		
R122,123			R92-1945-05	METAL GLAZE 1	J	1/4W
R201-204			R92-1945-05	METAL GLAZE 1	J	1/4W
R205-208			R92-4624-05	METAL GLAZE RESISTOR		
R209			R92-4631-05	METAL GLAZE RESISTOR		
R210			R92-4624-05	METAL GLAZE RESISTOR		
R211,212			RK73FB2A4R7J	CHIP R 4.7	J	1/10W
R213-216			R92-4626-05	METAL GLAZE RESISTOR		
R217,218			RK73GB1J333J	CHIP R 33K	J	1/16W
R219			R92-4624-05	METAL GLAZE RESISTOR		
R222,223			R92-1945-05	METAL GLAZE 1	J	1/4W
R224-231			RK73GB1J391J	CHIP R 390	J	1/16W
R232,233			RK73GB1J1R0J	CHIP R 1	J	1/16W
R234			RK73GB1J100J	CHIP R 10	J	1/16W
R235,236			RK73GB1J391J	CHIP R 390	J	1/16W
R237,238			RK73GB1J105J	CHIP R 1.0M	J	1/16W
R239			RK73GB1J103J	CHIP R 10K	J	1/16W
R301-304			R92-1945-05	METAL GLAZE 1	J	1/4W
R305-308			R92-4624-05	METAL GLAZE RESISTOR		
R309			R92-4631-05	METAL GLAZE RESISTOR		
R310			R92-4624-05	METAL GLAZE RESISTOR		
R311,312			RK73FB2A4R7J	CHIP R 4.7	J	1/10W
R313-316			R92-4626-05	METAL GLAZE RESISTOR		
R317,318			RK73GB1J333J	CHIP R 33K	J	1/16W
R319			R92-4624-05	METAL GLAZE RESISTOR		
R322,323			R92-1945-05	METAL GLAZE 1	J	1/4W
R324-331			RK73GB1J391J	CHIP R 390	J	1/16W
R332,333			RK73GB1J1R0J	CHIP R 1	J	1/16W
R334			RK73GB1J100J	CHIP R 10	J	1/16W
R335,336			RK73GB1J391J	CHIP R 390	J	1/16W
R337			RK73GB1J103J	CHIP R 10K	J	1/16W
R401-404			R92-1945-05	METAL GLAZE 1	J	1/4W
R405-408			R92-4624-05	METAL GLAZE RESISTOR		
R409			R92-4631-05	METAL GLAZE RESISTOR		
R410			R92-4624-05	METAL GLAZE RESISTOR		
R411,412			RK73FB2A4R7J	CHIP R 4.7	J	1/10W
R413-416			R92-4626-05	METAL GLAZE RESISTOR		
R417,418			RK73GB1J333J	CHIP R 33K	J	1/16W
R419			R92-4624-05	METAL GLAZE RESISTOR		
R422,423			R92-1945-05	METAL GLAZE 1	J	1/4W
R424-431			RK73GB1J391J	CHIP R 390	J	1/16W
R432,433			RK73GB1J1R0J	CHIP R 1	J	1/16W
R434			RK73GB1J100J	CHIP R 10	J	1/16W
R435,436			RK73GB1J391J	CHIP R 390	J	1/16W
R437			RK73GB1J103J	CHIP R 10K	J	1/16W
R501-504			R92-1945-05	METAL GLAZE 1	J	1/4W
R505-508			R92-4624-05	METAL GLAZE RESISTOR		
R509			R92-4631-05	METAL GLAZE RESISTOR		
R510			R92-4624-05	METAL GLAZE RESISTOR		
R511,512			RK73FB2A4R7J	CHIP R 4.7	J	1/10W
R513-516			R92-4626-05	METAL GLAZE RESISTOR		
R517,518			RK73GB1J333J	CHIP R 33K	J	1/16W
R519			R92-4624-05	METAL GLAZE RESISTOR		
R522,523			R92-1945-05	METAL GLAZE 1	J	1/4W

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R601-604			R92-1945-05	METAL GLAZE 1	J	1/4W
R605-608			R92-4624-05	METAL GLAZE RESISTOR		
R609			R92-4631-05	METAL GLAZE RESISTOR		
R610			R92-4624-05	METAL GLAZE RESISTOR		
R611,612			RK73FB2A4R7J	CHIP R 4.7	J	1/10W
R613-616			R92-4626-05	METAL GLAZE RESISTOR		
R617,618			RK73GB1J333J	CHIP R 33K	J	1/16W
R619			R92-4624-05	METAL GLAZE RESISTOR		
R622,623			R92-1945-05	METAL GLAZE 1	J	1/4W
R703-706			R92-4626-05	METAL GLAZE RESISTOR		
R707,708			RK73GB1J822J	CHIP R 8.2K	J	1/16W
R709,710			RK73GB1J223J	CHIP R 22K	J	1/16W
R711			RK73GB1J393J	CHIP R 39K	J	1/16W
R712,713			RK73GB1J473J	CHIP R 47K	J	1/16W
R806			RK73GB1J242J	CHIP R 2.4K	J	1/16W
Δ R815			R92-1946-05	METAL GLAZE 4.7	J	1/4W
D105,106			10BQ060	DIODE		
D205,206			10BQ060	DIODE		
D305,306			10BQ060	DIODE		
D405,406			10BQ060	DIODE		
D505,506			10BQ060	DIODE		
D605,606			10BQ060	DIODE		
D701			HZU3.9(B2)	ZENER DIODE		
D701			UDZS3.9B	ZENER DIODE		
D702-704			MA111	DIODE		
D804			HZU8.2(B2)	ZENER DIODE		
D804			UDZS8.2B	ZENER DIODE		
D806			MA111	DIODE		
IC1			TAS5076PFC	MOS-IC		
Δ IC2-4			TAS5182DCAR	MOS-IC		
Δ IC5			XC6202PC02PR	ANALOGUE IC		
Δ IC6			XC6201P332PR	ANALOGUE IC		
Δ Q101-104			IRFI224N	FET		
Δ Q201-204			IRFI224N	FET		
Δ Q301-304			IRFI224N	FET		
Δ Q401-404			IRFI224N	FET		
Δ Q501-504			IRFI224N	FET		
Δ Q601-604			IRFI224N	FET		
Q701-704			2SC4081(R,S)	TRANSISTOR		
Q701-704			2SD1819A(Q,R)	TRANSISTOR		
Q705			2SA1576A(R,S)	TRANSISTOR		
Q705			2SB1218A(Q,R)	TRANSISTOR		
Q803			2SD2012	TRANSISTOR		
SURROUND (X08-3340-10)						
C11			CK73GB1C104K	CHIP C 0.10UF	K	
C12			CK73GB1A474K	CHIP C 0.47UF	K	
C13,14			CK73GB1C104K	CHIP C 0.10UF	K	
C15			CK73GB1H103K	CHIP C 0.010UF	K	
C16,17			CC73GCH1H270J	CHIP C 27PF	J	
C22			CK73GB1H102K	CHIP C 1000PF	K	
C23			CC73GCH1H820J	CHIP C 82PF	J	
C24,25			CK73GB1H102K	CHIP C 1000PF	K	
C41			CK73FB0J475K	CHIP C 4.7UF	K	
C42			CK73GB1H103K	CHIP C 0.010UF	K	

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Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
C43			CE32AP1H2R2M	CHIP EL 2.2UF 50WV		
C44 ,45			CK73GB1C104K	CHIP C 0.10UF K		
C46			CE32APOJ470M	CHIP EL 47UF 6.3WV		
C49			CE32AP1C100M	CHIP EL 10UF 16WV		
C57 ,58			CC73GSL1H471J	CHIP C 470PF J		
C61 ,62			CC73GCH1H080D	CHIP C 8.0PF D		
C63			CK73GB1H102K	CHIP C 1000PF K		
C64			CK73GB1C104K	CHIP C 0.10UF K		
C65			CE32APOJ470M	CHIP EL 47UF 6.3WV		
C66			CC73GCH1H220J	CHIP C 22PF J		
C81 ,82			CK73GB1C104K	CHIP C 0.10UF K		
C83			CE32AP1C100M	CHIP EL 10UF 16WV		
C84 ,85			CK73GB1C104K	CHIP C 0.10UF K		
C86			CE32AP1C100M	CHIP EL 10UF 16WV		
C101,102			CK73FB0J475K	CHIP C 4.7UF K		
C103,104			CK73GB1H122K	CHIP C 1200PF K		
C105,106			CK73GB1H272K	CHIP C 2700PF K		
C109			CC73GCH1H101J	CHIP C 100PF J		
C110			CK73GB1H103K	CHIP C 0.010UF K		
C121,122			CK73FB0J475K	CHIP C 4.7UF K		
C123-126			CK73GB1H182K	CHIP C 1800PF K		
C129			CC73GCH1H101J	CHIP C 100PF J		
C130			CK73GB1H103K	CHIP C 0.010UF K		
C141,142			CK73FB0J475K	CHIP C 4.7UF K		
C143,144			CK73GB1H122K	CHIP C 1200PF K		
C145,146			CK73GB1H272K	CHIP C 2700PF K		
C149			CC73GCH1H101J	CHIP C 100PF J		
C150			CK73GB1H103K	CHIP C 0.010UF K		
C161,162			CK73FB0J475K	CHIP C 4.7UF K		
C163,164			CK73GB1H122K	CHIP C 1200PF K		
C165,166			CK73GB1H272K	CHIP C 2700PF K		
C169			CC73GCH1H101J	CHIP C 100PF J		
C170			CK73GB1H103K	CHIP C 0.010UF K		
C501-528			CK73GB1C104K	CHIP C 0.10UF K		
C529			CE32AP1C100M	CHIP EL 10UF 16WV		
C530-543			CK73GB1C104K	CHIP C 0.10UF K		
C544,545			CC73GCH1H050C	CHIP C 5.0PF C		
C546-556			CK73GB1C104K	CHIP C 0.10UF K		
C557,558			CC73GCH1H050C	CHIP C 5.0PF C		
C569,570			CC73GCH1H101J	CHIP C 100PF J		
C571,572			CC73GCH1H150J	CHIP C 15PF J		
C573			CK73GB1H102K	CHIP C 1000PF K		
C601-603			CK73GB1C104K	CHIP C 0.10UF K		
C604			CE32AP1C100M	CHIP EL 10UF 16WV		
C606			CK73FB1C105K	CHIP C 1.0UF K		
C607			CK73GB1C104K	CHIP C 0.10UF K		
C608			CE32APOG101M	CHIP EL 100UF 4.0WV		
C609			CK73GB1C104K	CHIP C 0.10UF K		
C610			CE32APOG101M	CHIP EL 100UF 4.0WV		
C690			CK73GB1H102K	CHIP C 1000PF K		
C701			CK73FB1C105K	CHIP C 1.0UF K		
C702			CK73GB1H103K	CHIP C 0.010UF K		
C703			CE32APOG101M	CHIP EL 100UF 4.0WV		
C704,705			CK73GB1H103K	CHIP C 0.010UF K		
C706			CK73GB1C104K	CHIP C 0.10UF K		

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C707			CK73FB1C105K	CHIP C 1.0UF K		
C708,709			CK73GB1H102K	CHIP C 1000PF K		
C710			CK73GB1H103K	CHIP C 0.010UF K		
C711			CK73GB1H102K	CHIP C 1000PF K		
C801,802			CK73GB1H103K	CHIP C 0.010UF K		
C901,902			CK73FB1C105K	CHIP C 1.0UF K		
C903			CK73GB1C104K	CHIP C 0.10UF K		
C904			CE32APOG101M	CHIP EL 100UF 4.0WV		
C905			CE32AC0J471M	CHIP EL 470UF 6.3WV		
C906			CK73GB1H103K	CHIP C 0.010UF K		
C911,912			CK73FB1C105K	CHIP C 1.0UF K		
C951			CC73GCH1H180J	CHIP C 18PF J	E1	
C952			CK73FF1C225Z	CHIP C 2.2UF Z	E1	
C953			CC73GCH1H271J	CHIP C 270PF J	E1	
C954			CC73GCH1H180J	CHIP C 18PF J	E1	
C955			CK73GB1H103K	CHIP C 0.010UF K	E1	
C956			CC73GSL1H561J	CHIP C 560PF J	E1	
C957			CE32AP1C100M	CHIP EL 10UF 16WV	E1	
C959			CK73GB1H103K	CHIP C 0.010UF K	E1	
C961,962			CK73GB1H102K	CHIP C 1000PF K		
C963			CC73GCH1H101J	CHIP C 100PF J		
C964			CK73GB1H102K	CHIP C 1000PF K		
CN1			E41-1040-05	FLAT CABLE CONNECTOR		
CN11			E40-8630-05	FLAT CABLE CONNECTOR		
CN13			E41-0616-05	FLAT CABLE CONNECTOR		
CN71			E40-8631-05	FLAT CABLE CONNECTOR		
CN74			E40-8311-05	FLAT CABLE CONNECTOR		
L1 ,2			L92-0578-05	CHIP FERRITE		
L3 ,4			L92-0089-05	CHIP FERRITE		
L5 ,6			L92-0584-05	CHIP FERRITE		
L51 ,52			L92-0585-05	CHIP FERRITE		
L57 ,58			L92-0585-05	CHIP FERRITE		
X6			L77-2419-05	CRYSTAL RESONATOR 24.576MHZ		
X51			L77-2420-05	CRYSTAL RESONATOR18.75MHZ,HC49		
X71			L78-0765-05	RESONATOR (8.388MHZ)		
X95			L77-2424-05	CRYSTAL RESONATOR4.332MHZ,HC49	E1	
CP53,54			RK74GB1J680J	CHIP-COM 68 J 1/16W		
CP55,56			RK74GB1J101J	CHIP-COM 100 J 1/16W		
CP59-64			RK74GB1J680J	CHIP-COM 68 J 1/16W		
CP65			RK74GB1J101J	CHIP-COM 100 J 1/16W		
R11 -17			RK73GB1J470J	CHIP R 47 J 1/16W		
R19 ,20			RK73GB1J101J	CHIP R 100 J 1/16W		
R21			RK73GB1J183J	CHIP R 18K J 1/16W		
R22 ,23			RK73GB1J330J	CHIP R 33 J 1/16W		
R24 -26			RK73GB1J101J	CHIP R 100 J 1/16W		
R27			RK73GB1J104J	CHIP R 100K J 1/16W		
R28 -30			RK73GB1J330J	CHIP R 33 J 1/16W		
R31			RK73GB1J101J	CHIP R 100 J 1/16W		
R32			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R41			RK73GB1J330J	CHIP R 33 J 1/16W		
R42			RK73GB1J104J	CHIP R 100K J 1/16W		
R43			RK73GB1J101J	CHIP R 100 J 1/16W		
R44 -49			RK73GB1J100J	CHIP R 10 J 1/16W		
R51			RK73GB1J100J	CHIP R 10 J 1/16W		

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PARTS LIST

VRS-N8100

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Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
△ R52			R92-1946-05	METAL GLAZE 4.7 J 1/4W		
△ R54			R92-1960-05	METAL GLAZE 2.2 J 1/4W		
R55,56			RK73GB1J471J	CHIP R 470 J 1/16W		
R61,62			RK73GB1J105J	CHIP R 1.0M J 1/16W		
R63			RK73GB1J221J	CHIP R 220 J 1/16W		
R64			RK73FB2A470J	CHIP R 47 J 1/10W		
R65			RK73GB1J101J	CHIP R 100 J 1/16W		
△ R81			R92-1960-05	METAL GLAZE 2.2 J 1/4W		
R101,102			RK73GB1J473J	CHIP R 47K J 1/16W		
R103-106			RK73GB1J182J	CHIP R 1.8K J 1/16W		
R107,108			RK73GB1J224J	CHIP R 220K J 1/16W		
R109,110			RK73GB1J472J	CHIP R 4.7K J 1/16W		
R111,112			RK73GB1J101J	CHIP R 100 J 1/16W		
R121,122			RK73GB1J473J	CHIP R 47K J 1/16W		
R123,124			RK73GB1J152J	CHIP R 1.5K J 1/16W		
R125,126			RK73GB1J222J	CHIP R 2.2K J 1/16W		
R127-130			RK73GB1J472J	CHIP R 4.7K J 1/16W		
R131,132			RK73GB1J101J	CHIP R 100 J 1/16W		
R141,142			RK73GB1J473J	CHIP R 47K J 1/16W		
R143-146			RK73GB1J182J	CHIP R 1.8K J 1/16W		
R147,148			RK73GB1J224J	CHIP R 220K J 1/16W		
R149,150			RK73GB1J472J	CHIP R 4.7K J 1/16W		
R151,152			RK73GB1J101J	CHIP R 100 J 1/16W		
R161,162			RK73GB1J473J	CHIP R 47K J 1/16W		
R163-166			RK73GB1J182J	CHIP R 1.8K J 1/16W		
R167,168			RK73GB1J224J	CHIP R 220K J 1/16W		
R169,170			RK73GB1J472J	CHIP R 4.7K J 1/16W		
R171,172			RK73GB1J101J	CHIP R 100 J 1/16W		
R501-504			RK73GB1J330J	CHIP R 33 J 1/16W		
R505,506			RK73GB1J104J	CHIP R 100K J 1/16W		
R507,508			RK73GB1J330J	CHIP R 33 J 1/16W		
R509			RK73GB1J680J	CHIP R 68 J 1/16W		
R510			RK73GB1J104J	CHIP R 100K J 1/16W		
R511,512			RK73GB1J330J	CHIP R 33 J 1/16W		
R513-515			RK73GB1J104J	CHIP R 100K J 1/16W		
R516			RK73GB1J100J	CHIP R 10 J 1/16W		
△ R517			RK73GB1J101J	CHIP R 100 J 1/16W		
R518			RK73FB2A100J	CHIP R 10 J 1/10W		
R521			RK73GB1J472J	CHIP R 4.7K J 1/16W		
R523,524			RK73GB1J472J	CHIP R 4.7K J 1/16W		
R527			RK73GB1J101J	CHIP R 100 J 1/16W		
R528-530			RK73GB1J472J	CHIP R 4.7K J 1/16W		
R532-534			RK73GB1J472J	CHIP R 4.7K J 1/16W		
R536			RK73GB1J103J	CHIP R 10K J 1/16W		
R537-540			RK73GB1J472J	CHIP R 4.7K J 1/16W		
R541-550			RK73GB1J100J	CHIP R 10 J 1/16W		
R551			RK73GB1J104J	CHIP R 100K J 1/16W		
R552			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R553,554			RK73GB1J100J	CHIP R 10 J 1/16W		
R555			RK73GB1J270J	CHIP R 27 J 1/16W		
R556			RK73GB1J470J	CHIP R 47 J 1/16W		
R557			RK73GB1J3R3J	CHIP R 3.3 J 1/16W		
R560-567			RK73GB1J472J	CHIP R 4.7K J 1/16W		
R571			RK73GB1J105J	CHIP R 1.0M J 1/16W		
R572			RK73GB1J101J	CHIP R 100 J 1/16W		

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R573			RK73GB1J105J	CHIP R 1.0M J 1/16W		
△ R601,602			R92-2104-05	CHIP R 2.2 J 1W		
R603			RK73GB1J202J	CHIP R 2.0K J 1/16W		
R604,605			RK73GB1J103J	CHIP R 10K J 1/16W		
R701			RK73GB1J243J	CHIP R 24K J 1/16W		
R701			RK73GB1J682J	CHIP R 6.8K J 1/16W	E1	X1
R702			RK73GB1J103J	CHIP R 10K J 1/16W		
R703			RK73GB1J682J	CHIP R 6.8K J 1/16W		
R704			RK73GB1J103J	CHIP R 10K J 1/16W		
R705			RK73GB1J153J	CHIP R 15K J 1/16W		
R706-710			RK73GB1J104J	CHIP R 100K J 1/16W		
R711			RK73GB1J103J	CHIP R 10K J 1/16W		
R712			RK73GB1J101J	CHIP R 100 J 1/16W		
△ R713,714			RK73FB2A1R0J	CHIP R 1 J 1/10W		
R715-718			RK73GB1J101J	CHIP R 100 J 1/16W		
R719			RK73GB1J222J	CHIP R 2.2K J 1/16W		
R720,721			RK73GB1J101J	CHIP R 100 J 1/16W		
R722			RK73GB1J222J	CHIP R 2.2K J 1/16W		
R725,726			RK73GB1J104J	CHIP R 100K J 1/16W		
R727			RK73GB1J392J	CHIP R 3.9K J 1/16W		
R728,729			RK73GB1J104J	CHIP R 100K J 1/16W		
R730			RK73GB1J392J	CHIP R 3.9K J 1/16W		
R731			RK73GB1J104J	CHIP R 100K J 1/16W		
R732-734			RK73GB1J101J	CHIP R 100 J 1/16W		
R735-747			RK73GB1J104J	CHIP R 100K J 1/16W		
R748			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R749-752			RK73GB1J104J	CHIP R 100K J 1/16W		
R754-760			RK73GB1J101J	CHIP R 100 J 1/16W		
R761-765			RK73GB1J104J	CHIP R 100K J 1/16W		
R766-768			RK73GB1J101J	CHIP R 100 J 1/16W		
R770,771			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R772-783			RK73GB1J104J	CHIP R 100K J 1/16W		
R784-790			RK73GB1J101J	CHIP R 100 J 1/16W		
R793,794			RK73GB1J101J	CHIP R 100 J 1/16W		
R796-803			RK73GB1J101J	CHIP R 100 J 1/16W		
R804,805			RK73GB1J471J	CHIP R 470 J 1/16W		
R807			RK73GB1J101J	CHIP R 100 J 1/16W		
R808-811			RK73GB1J104J	CHIP R 100K J 1/16W		
R812-815			RK73GB1J472J	CHIP R 4.7K J 1/16W		
R816-818			RK73GB1J104J	CHIP R 100K J 1/16W		
R819-827			RK73GB1J103J	CHIP R 10K J 1/16W		
R828			RK73GB1J181J	CHIP R 180 J 1/16W		
R829-831			RK73GB1J101J	CHIP R 100 J 1/16W		
R832-835			RK73GB1J104J	CHIP R 100K J 1/16W		
R836-838			RK73GB1J101J	CHIP R 100 J 1/16W		
R839,840			RK73GB1J471J	CHIP R 470 J 1/16W		
R841,842			RK73GB1J101J	CHIP R 100 J 1/16W		
R843			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R845,846			RK73GB1J473J	CHIP R 47K J 1/16W		
R847			RK73GB1J1R0J	CHIP R 1 J 1/16W		
R848			RK73GB1J4R7J	CHIP R 4.7 J 1/16W		
R852			RK73GB1J104J	CHIP R 100K J 1/16W		
△ R854-867			RK73GB1J104J	CHIP R 100K J 1/16W		
R869			RK73FB2A1R0J	CHIP R 1 J 1/10W		
R870			RK73GB1J101J	CHIP R 100 J 1/16W		

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Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
R871			RK73GB1J104J	CHIP R 100K J 1/16W		
R872,873			RK73GB1J472J	CHIP R 4.7K J 1/16W		
R874-882			RK73GB1J101J	CHIP R 100 J 1/16W		
R883			RK73GB1J471J	CHIP R 470 J 1/16W		
R884-888			RK73GB1J101J	CHIP R 100 J 1/16W		
△ R895,896			RK73FB2A2R2J	CHIP R 2.2 J 1/10W		
△ R901			R92-1945-05	METAL GLAZE 1 J 1/4W		
R902-904			RK73GB1J103J	CHIP R 10K J 1/16W		
R905			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R906			RK73GB1J103J	CHIP R 10K J 1/16W		
R908,909			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R910			RK73GB1J103J	CHIP R 10K J 1/16W		
△ R911			R92-1945-05	METAL GLAZE 1 J 1/4W		
R934,935			RK73GB1J104J	CHIP R 100K J 1/16W		
R939-941			RK73GB1J104J	CHIP R 100K J 1/16W		
R951,952			RK73GB1J101J	CHIP R 100 J 1/16W	E1	
R953			RK73GB1J473J	CHIP R 47K J 1/16W	E1	
R954			RK73GB1J101J	CHIP R 100 J 1/16W	E1	
R955,956			RK73GB1J2R2J	CHIP R 2.2 J 1/16W		
R957			RK73GB1J1R5J	CHIP R 1.5 J 1/16W		
R958			RK73GB1J100J	CHIP R 10 J 1/16W		
D11 -14			DAN202U	DIODE		
D11 -14			MA142WK	DIODE		
D11 -14			1SS301	DIODE		
D41			DAP202U	DIODE		
D41			MA142WA	DIODE		
D41			1SS300	DIODE		
D42			DAN202U	DIODE		
D42			MA142WK	DIODE		
D42			1SS301	DIODE		
D81			MA111	DIODE		
D551			MA111	DIODE		
△ D601			1SR154-400	DIODE		
△ D901,902			1SR154-400	DIODE		
D903-905			MA111	DIODE		
IC1			AK4114VQ	MOS-IC		
IC2			AK4529-VQ	MOS-IC		
IC2			AK4628-VQ	MOS-IC		
IC2			AK4628A-VQ	MOS-IC		
△ IC6			TC7WU04FU	MOS-IC		
△ IC7			BA05FP	ANALOGUE IC		
△ IC8			XC6201P332PR	ANALOGUE IC		
IC10			NJM4565M	ANALOGUE IC		
IC10			NJM4565MD	ANALOGUE IC		
IC12			NJM4565M	ANALOGUE IC		
IC12			NJM4565MD	ANALOGUE IC		
IC14			NJM4565M	ANALOGUE IC		
IC14			NJM4565MD	ANALOGUE IC		
IC16			NJM4565M	ANALOGUE IC		
IC16			NJM4565MD	ANALOGUE IC		
IC50			ADSST-AVR-104	5 MOS-IC		
IC51-53			SN74LVC573APW	R MOS-IC		
IC51-53			TC74LCX573FT	MOS-IC		
IC54			SN74LVC245APW	R MOS-IC		
IC54			TC74LCX245FT	MOS-IC		

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Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
IC55			SN74LVC2G125T	3 MOS-IC		
IC56			SN74LVC139APW	R MOS-IC		
IC57			SN74LVC1G08DC	3 MOS-IC		
IC57			TC7SA08FU	MOS-IC		
IC58			SN74LVC1G32DC	3 MOS-IC		
IC59		*	A29L800TV70KD	0 ROM IC		
IC60			K6R4008V1DUC1	0 SRAM IC		
△ IC61			BA033FP	ANALOGUE IC		
△ IC62			SI-3010KM	ANALOGUE IC		
△ IC63			BA033FP	ANALOGUE IC		
IC65			SN74LVC1G32DC	3 MOS-IC		
IC71		*	MN101C49HNE	MICROCONTROLLER IC		
IC72			BR24L04FJ-W	ROM IC		
IC81,82			SN74AHCT541PW	R MOS-IC		
IC81,82			TC74VHCT541AF	T MOS-IC		
△ IC91			XC62HR4102PR	ANALOGUE IC		
IC92			XC61CN2702MR	ANALOGUE IC		
△ IC93			XC6201P502PR	ANALOGUE IC	E1	
IC95			BU1924F	ANALOGUE IC		
Q551			2SC4081(R,S)	TRANSISTOR		
Q551			2SD1819A(Q,R)	TRANSISTOR		
Q701			DTC124EUA	DIGITAL TRANSISTOR		
Q701			KRC403	DIGITAL TRANSISTOR		
Q701			UN5212	DIGITAL TRANSISTOR		
Q901			2SC4081(R,S)	TRANSISTOR		
Q901			2SD1819A(Q,R)	TRANSISTOR		
DISPLAY (X14-7750-10)						
D104-108			B30-2545-05	LED(RED3(160))		
D109		*	B30-2665-05	LED(BLUE,5MM)		
D110			B30-2597-05	LED(RED HI-BRIGHT)		
△ C1 ,2			C91-1627-05	POLYESTE 0.1UF 250VAC	X1E1	
△ C2 ,3			C91-1627-05	POLYESTE 0.1UF 250VAC	KP1	
C6			C90-5790-05	ALUMINIUM ELECTROLYTIC C.	KP1	
C6			C90-5810-05	ALUMINIUM ELECTROLYTIC C.	X1E1	
C7			C91-1655-05	POLYPROPYLEN FILM CAPACITOR	KP1	
C7			C91-1657-05	POLYPROPYLEN FILM CAPACITOR	X1E1	
C8			C91-1654-05	CERAMIC CAPACITOR	X1E1	
C8			C91-1676-05	CERAMIC CAPACITOR	KP1	
C9			C90-5792-05	ALUMINIUM ELECTROLYTIC C.		
C10			CQ93FMG1H101K	MYLAR 100PF K		
C11			CQ93FMG1H471J	MYLAR 470PF J		
C12		*	C90-5811-15	ALUMINIUM ELECTROLYTIC C.		
C13			CQ93FMG1H102J	MYLAR 1000PF J		
C14			CQ93FMG1H471J	MYLAR 470PF J		
C15			C91-1638-05	CERAMIC 470PF 2KV	KP1	
C15			C91-1663-05	CERAMIC CAPACITOR	X1E1	
C16			C91-1657-05	POLYPROPYLEN FILM CAPACITOR	X1E1	
C16			C91-1666-05	ELECTRO 4700UF 25WV	KP1	
C17 ,18		*	C90-5794-15	ALUMINIUM ELECTROLYTIC C.		
C19			CQ93FMG1H221K	MYLAR 220PF K		
C20			CC73GSL1H102J	CHIP C 1000PF J		
C21			CK73GF1H104Z	CHIP C 0.10UF Z		
C22			CE04KW1H220M	ELECTRO 22UF 50WV		
C23 ,24		*	C90-5817-05	ALUMINIUM ELECTROLYTIC C.		

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PARTS LIST

VRS-N8100

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Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
C25		*	C90-5797-15	ALUMINIUM ELECTROLYTIC C.		
C26			CQ93FMG1H221K	MYLAR 220PF K		
C27		*	C90-5816-05	ALUMINIUM ELECTROLYTIC C.		
C28			C90-5798-05	ALUMINIUM ELECTROLYTIC C.		
C29		*	C90-5799-15	ALUMINIUM ELECTROLYTIC C.		
C30		*	C90-5818-05	ALUMINIUM ELECTROLYTIC C.		
C31			CK73GB1A334K	CHIP C 0.33UF K		
C32			GE04KW1E470M	ELECTRO 47UF 25WV		
C33			C91-1637-05	CERAMIC 2200PF 250VAC	X1E1	
C33			C91-1669-05	CERAMIC CAPACITOR	KP1	
C34		*	C90-5818-05	ALUMINIUM ELECTROLYTIC C.		
C35			CK73GB1A334K	CHIP C 0.33UF K		
C36			CE04KW1E470M	ELECTRO 47UF 25WV		
C37			CK73GB1C224K	CHIP C 0.22UF K		
C38			CC73GCH1H100D	CHIP C 10PF D		
C39			CC73GSL1H102J	CHIP C 1000PF J		
C40			CK73GB1C224K	CHIP C 0.22UF K		
C41			CK73GF1H104Z	CHIP C 0.10UF Z		
C42-44			C91-1669-05	CERAMIC CAPACITOR	KP1	
C42-43			C91-1565-05	CERAMIC 1000PF 250VAC	X1E1	
C44			C91-1668-05	CERAMIC CAPACITOR	X1E1	
C45			CK73GB1C104K	CHIP C 0.10UF K		
C46			C91-1585-05	METALIZED FILM CAPACITOR	KP1	
C47			CK73GB1C104K	CHIP C 0.10UF K		
C101			CK73GB1E103K	CHIP C 0.010UF K		
C102			CC73GCH1H221J	CHIP C 220PF J		
C103			GE04CW0J220M	ELECTRO 22UF 6.3WV		
C104,105			CC73GCH1H221J	CHIP C 220PF J		
C121-126			CC73GCH1H221J	CHIP C 220PF J		
C127			CE04KW1V100M	ELECTRO 10UF 35WV		
C128			CE04KW1J330M	ELECTRO 33UF 63WV		
C131,132			CC73GCH1H221J	CHIP C 220PF J		
C133-141			CC73GCH1H101J	CHIP C 100PF J		
C150			CE04KW1A101M	ELECTRO 100UF 10WV		
C174			CC73GCH1H100D	CHIP C 10PF D		
C183,184			CC73GCH1H100D	CHIP C 10PF D		
C231-234			CC73GSL1H102J	CHIP C 1000PF J	KP1	
C231-242			CC73GSL1H102J	CHIP C 1000PF J	X1E1	
C235-242			CC73GCH1H331J	CHIP C 330PF J	KP1	
C302			CK73FF1C105Z	CHIP C 1.0UF Z		
C303-308			CC73GCH1H101J	CHIP C 100PF J		
C309,310			CK73GB1E473K	CHIP C 0.047UF K		
C311,312			CC73GCH1H221J	CHIP C 220PF J		
C313-315			CK73GB1H103K	CHIP C 0.010UF K		
CN101			E40-8903-05	FLAT CABLE CONNECTOR		
CN102			E40-4948-05	FLAT CABLE CONNECTOR		
CN301			E40-9820-05	SOCKET FOR PIN ASSY		
CN302			E40-9837-05	PIN ASSY		
J103		*	E58-0062-05	RECTANGULAR RECEPTACLE		
J104		*	E70-0195-05	LOCK TERMINAL BOARD		
J301			E11-0946-05	PHONE JACK (MINI BLACK NI)		
J302,303			E63-1330-05	PIN JACK		
F1			F50-0222-05	FUSE(5X20)	KP1	
F1			F50-0247-05	FUSE(5X20)	X1E1	

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L1 ,2			L79-1298-05	LINE FILTER		X1E1
L1 ,2			L79-1300-05	LINE FILTER		KP1
L3 ,4			L92-0017-05	FERRITE CORE		
L5 ,6			L33-1667-05	CHOKO COIL		
L7			L39-1373-05	PHASE COMPENSATION COIL		
L8 ,9			L92-0089-05	CHIP FERRITE		
L301-303			L92-0330-05	CHIP FERRITE		
L306-308			L92-0330-05	CHIP FERRITE		
T1			L07-3276-05	POWER TRANSFORMER		KP1
T1			L07-3279-05	POWER TRANSFORMER		X1E1
T2		*	L07-3277-05	POWER TRANSFORMER		KP1
T2		*	L07-3280-05	POWER TRANSFORMER		X1E1
X101		*	L78-0766-05	RESONATOR (20MHZ)		
R1			R92-4619-05	METAL OXIDE FILM RESISTOR		KP1
R1			R92-4620-05	METAL OXIDE FILM RESISTOR		X1E1
R2			R92-1844-05	CARBON 3.3M J 1/2W		KP1
R8			R92-4627-05	METAL PLATE RESISTOR		KP1
R8 ,9			R92-4632-05	METAL PLATE RESISTOR		X1E1
R9			R92-4628-05	METAL PLATE RESISTOR		KP1
R10			RS14KB3A101J	FL-PROOF RS 100 J 1W		
R11			R92-4630-05	METAL OXIDE FILM RESISTOR		X1E1
R11			R92-4635-05	METAL OXIDE FILM RESISTOR		KP1
R12			RK73EB2E470J	CHIP R 47 J 1/4W		
R14			RS14KB3DR47J	FL-PROOF RS 0.47 J 2W		KP1
R14			R92-4636-05	METAL OXIDE FILM RESISTOR		X1E1
R15			RK73EB2E681J	CHIP R 680 J 1/4W		
R16			RK73EB2E332J	CHIP R 3.3K J 1/4W		KP1
R16			RK73EB2E562J	CHIP R 5.6K J 1/4W		X1E1
R17			RK73EB2E182J	CHIP R 1.8K J 1/4W		
R18			RK73EB2E152J	CHIP R 1.5K J 1/4W		X1E1
R18			RK73EB2E272J	CHIP R 2.7K J 1/4W		KP1
R21			RK73GB1J473J	CHIP R 47K J 1/16W		
R22 ,23			RK73GB1J272J	CHIP R 2.7K J 1/16W		
R24			RK73EB2E103J	CHIP R 10K J 1/4W		
R25			RK73GB1J332J	CHIP R 3.3K J 1/16W		
R26			RK73GB1J105J	CHIP R 1.0M J 1/16W		
R27			RK73EB2E123J	CHIP R 12K J 1/4W		
R28 ,29			RK73EB2E102J	CHIP R 1.0K J 1/4W		
R30			RK73EB2E512J	CHIP R 5.1K J 1/4W		
R31			RK73EB2E102J	CHIP R 1.0K J 1/4W		
R32			RK73EB2E471J	CHIP R 470 J 1/4W		
R33			RK73EB2E822J	CHIP R 8.2K J 1/4W		
R34			RK73EB2E302J	CHIP R 3.0K J 1/4W		
R35			RK73EB2E102J	CHIP R 1.0K J 1/4W		
R36			RK73EB2E182J	CHIP R 1.8K J 1/4W		
R37			RK73GB1J332J	CHIP R 3.3K J 1/16W		
R38			RK73EB2E6R8J	CHIP R 6.8 J 1/4W		
R39			R92-4638-05	METAL OXIDE FILM RESISTOR		
R40			RK73EB2E271J	CHIP R 270 J 1/4W		
R41			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R42			RK73GB1J103J	CHIP R 10K J 1/16W		
R44 ,45			RK73GB1J1R0J	CHIP R 1 J 1/16W		
R101,102			RK73GB1J123J	CHIP R 12K J 1/16W		
R103,104			RK73GB1J103J	CHIP R 10K J 1/16W		

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R105			RK73GB1J473J	CHIP R 47K J 1/16W		
R106			RK73GB1J101J	CHIP R 100 J 1/16W		
R107			RK73GB1J473J	CHIP R 47K J 1/16W		
R110			RK73GB1J2R2J	CHIP R 2.2 J 1/16W		
R112			RK73GB1J103J	CHIP R 10K J 1/16W		
R117			RK73GB1J682J	CHIP R 6.8K J 1/16W		
R118-127			RK73GB1J473J	CHIP R 47K J 1/16W		
R128,129			RK73GB1J101J	CHIP R 100 J 1/16W		
R130			RK73GB1J103J	CHIP R 10K J 1/16W		
R131-150			RK73GB1J101J	CHIP R 100 J 1/16W		
R151			RK73GB1J473J	CHIP R 47K J 1/16W		
R152,153			RK73GB1J103J	CHIP R 10K J 1/16W		
R155-159			RK73GB1J473J	CHIP R 47K J 1/16W		
R160			RK73GB1J103J	CHIP R 10K J 1/16W		
R161			RK73GB1J100J	CHIP R 10 J 1/16W		
R162			RK73GB1J101J	CHIP R 100 J 1/16W		
R163			RK73GB1J472J	CHIP R 4.7K J 1/16W		
R164			RK73GB1J101J	CHIP R 100 J 1/16W		
R165			RK73GB1J100J	CHIP R 10 J 1/16W		
R166			RK73GB1J101J	CHIP R 100 J 1/16W		
R169,170			RK73GB1J101J	CHIP R 100 J 1/16W		
R171-175			RK73GB1J181J	CHIP R 180 J 1/16W		
R176			RK73GB1J221J	CHIP R 220 J 1/16W		
R177,178			RK73GB1J101J	CHIP R 100 J 1/16W		
R180			RK73GB1J101J	CHIP R 100 J 1/16W		
R181			RK73GB1J392J	CHIP R 3.9K J 1/16W		
R182			RK73GB1J272J	CHIP R 2.7K J 1/16W		
R183			RK73GB1J182J	CHIP R 1.8K J 1/16W		
R184			RK73GB1J152J	CHIP R 1.5K J 1/16W		
R185			RK73GB1J103J	CHIP R 10K J 1/16W		
R186-189			RK73GB1J100J	CHIP R 10 J 1/16W		
R190			RK73GB1J473J	CHIP R 47K J 1/16W		
R191			RK73GB1J103J	CHIP R 10K J 1/16W		
R192-194			RK73GB1J513J	CHIP R 51K J 1/16W		
R195			RK73EB2E513J	CHIP R 51K J 1/4W		
R196			RK73GB1J513J	CHIP R 51K J 1/16W		
R197			RK73GB1J103J	CHIP R 10K J 1/16W		
R201			RK73GB1J682J	CHIP R 6.8K J 1/16W		
R202			RK73GB1J392J	CHIP R 3.9K J 1/16W		
R203			RK73GB1J272J	CHIP R 2.7K J 1/16W		
R204			RK73GB1J182J	CHIP R 1.8K J 1/16W		
R205			RK73GB1J152J	CHIP R 1.5K J 1/16W		
R206-210			RK73GB1J100J	CHIP R 10 J 1/16W		
R221			RK73GB1J101J	CHIP R 100 J 1/16W		
R225,226			RK73GB1J101J	CHIP R 100 J 1/16W		
R301,302			RK73GB1J104J	CHIP R 100K J 1/16W		
R303,304			RK73GB1J750J	CHIP R 75 J 1/16W		
R305,306			RK73GB1J104J	CHIP R 100K J 1/16W		
R307			RK73GB1J4R7J	CHIP R 4.7 J 1/16W		
R308			RK73GB1J470J	CHIP R 47 J 1/16W		
R309,310			RK73GB1J100J	CHIP R 10 J 1/16W		
R311-315			RK73GB1J101J	CHIP R 100 J 1/16W		
△ K1			S76-0102-05	MAGNETIC RELAY		
S101-104			S70-0086-05	TACT SWITCH		

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S105			S70-0106-05	TACT SWITCH		
S107-113			S70-0086-05	TACT SWITCH		
△ PH1 ,2			T95-0193-05	OPTO ISOLATOR		
S106			T99-0667-05	ROTARY ENCODER		
△ D1			RBV-604NF	DIODE		KP1
△ D1			RBV-606NF	DIODE		X1E1
△ D2 ,3			AM01AV1NF	DIODE		
D4			SARS03NF	DIODE		
D5			MTZJ20(B)	ZENER DIODE		
D5			RD20ES(B)	ZENER DIODE		
D6 ,7			AL01ZNF	DIODE		
D8			MTZJ20(B)	ZENER DIODE		
D8			RD20ES(B)	ZENER DIODE		
D9 ,10			AL01ZNF	DIODE		
D11 ,12			AK03NF	DIODE		
D13 -16			AL01ZNF	DIODE		
D17			FML-22SNF	DIODE		
D18			AL01ZNF	DIODE		
D19			FMB-G16LNF	DIODE		
D20 ,21			S5688B(TPB5)	DIODE		
D22			HZU6.8(E2)	ZENER DIODE		
D22			UDZS6.8B	ZENER DIODE		
D23 ,24			RK33NF	DIODE		
D25			EK16NF	DIODE		
D26			EK03NF	DIODE		
D27			HSS104A	DIODE		
D27			1SS133	DIODE		
△ D28			ERZV10D511CS	VARIATOR		
D29			SARS03NF	DIODE		
D40			SARS03NF	DIODE		X1E1
D101			HZS3.3N(B)	ZENER DIODE		
D101			MTZJ3.3(B)	ZENER DIODE		
D301-308			MA111	DIODE		
ED101		*	HCA-21LM01T	FLUORESCENT INDICATOR TUBE		
IC1			STR-F6629BNF	HYBRID IC		KP1
IC1			STR-F6668MNF	HYBRID IC		X1E1
IC2			STR-L451NF	HYBRID IC		KP1
IC2			STR-L472NF	HYBRID IC		X1E1
IC3			SE-B2NF	HYBRID IC		
IC4			BA10358F	ANALOGUE IC		
IC5			SE-B2NF	HYBRID IC		
IC6 ,7		*	BD9702T-V5	ANALOGUE IC		
IC8			BA05T	ANALOGUE IC		
IC9			BA033T	ANALOGUE IC		
IC101		*	MN101C62FSA	MICROCONTROLLER IC		
Q1			2SC1740S(Q,R)	TRANSISTOR		
Q1			2SC2785(F,E)	TRANSISTOR		
Q2			2SC3852ANF	TRANSISTOR		
Q3 -5			2SC4081(R,S)	TRANSISTOR		
Q3 -5			2SD1819A(Q,R)	TRANSISTOR		
Q103-108			DTC124EUA	DIGITAL TRANSISTOR		
Q103-108			KRC403	DIGITAL TRANSISTOR		
Q109			2SC4081(R,S)	TRANSISTOR		
Q109			2SD1819A(Q,R)	TRANSISTOR		

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TH1			NTPAJ100LDKB0	THERMISTOR		
A101			W02-4515-05	ELECTRIC CIRCUIT MODULE		
A301			W02-4523-05	OPTIC RECEIVING MODULE		
PC CONTROL (X17-1100-11)						
C5			CE32AP1C100M	CHIP EL	10UF	16WV
C6			CK73GB1C104K	CHIP C	0.10UF	K
C40 ,41			CK73GB1C104K	CHIP C	0.10UF	K
C42			CE32AP1C100M	CHIP EL	10UF	16WV
C43 ,44			CK73GB1C104K	CHIP C	0.10UF	K
C45			CC73GCH1H150J	CHIP C	15PF	J
C46			CC73GCH1H120J	CHIP C	12PF	J
C48			CC73GCH1H100D	CHIP C	10PF	D
C49 -51			CE32AP1C100M	CHIP EL	10UF	16WV
C52 -57			CK73GB1C104K	CHIP C	0.10UF	K
C58 -61			CE32AP1C100M	CHIP EL	10UF	16WV
C62 -82			CK73GB1C104K	CHIP C	0.10UF	K
C83 ,84			CC73GCH1H040C	CHIP C	4.0PF	C
C86			CE32AP1C101M	CHIP EL	100UF	16WV
C87 ,88			CK73GB1C104K	CHIP C	0.10UF	K
C90 ,91			CK73GB1C104K	CHIP C	0.10UF	K
C99			CE32AP1C101M	CHIP EL	100UF	16WV
C100			CE32AP1C100M	CHIP EL	10UF	16WV
C133			CK73GB1C104K	CHIP C	0.10UF	K
C201,202			CK73GB1C104K	CHIP C	0.10UF	K
C203-205			CK73GB1H103K	CHIP C	0.010UF	K
C208			CK73GB1C104K	CHIP C	0.10UF	K
C209			CK73GB1H103K	CHIP C	0.010UF	K
		*	E68-0021-05	JACK(OTHERS)		
L24		*	L92-0574-05	FERRITE CORE		
L27		*	L92-0574-05	FERRITE CORE		
L41 ,42		*	L92-0574-05	FERRITE CORE		
L209		*	L92-0574-05	FERRITE CORE		
L211		*	L41-1005-26	SMALL FIXED INDUCTOR		
L213		*	L92-0810-05	CHIP FERRITE		
T1		*	L13-0022-05	PULSE TRANSFORMER		
X1		*	L77-2422-05	CRYSTAL RESONATOR(25MHZ)		
X2		*	L77-2428-05	CRYSTAL RESONATOR(27MHZ)		
CP1 -4			RK74GB1J103J	CHIP-COM	10K	J 1/16W
CP8			RK74GB1J103J	CHIP-COM	10K	J 1/16W
R41 -44			RN73GH1J750D	CHIP R	75	D 1/16W
R45 ,46			RK73GB1J103J	CHIP R	10K	J 1/16W
R48			RK73GB1J103J	CHIP R	10K	J 1/16W
R49			RK73GB1J1R0J	CHIP R	1	J 1/16W
R51 -53			RK73GB1J1R0J	CHIP R	1	J 1/16W
R56 -59		*	RN73GH1J49R9D	CHIP R	49.9	D 1/16W
R60			RN73GH1J682D	CHIP R	6.8K	D 1/16W
R61			RK73GB1J101J	CHIP R	100	J 1/16W
R62			RK73GB1J103J	CHIP R	10K	J 1/16W
R63 ,64			RN73GH1J750D	CHIP R	75	D 1/16W
R65 ,66			RK73GB1J103J	CHIP R	10K	J 1/16W
R68			RK73GB1J103J	CHIP R	10K	J 1/16W
R74			RK73GB1J220J	CHIP R	22	J 1/16W

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Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
R79			RK73GB1J220J	CHIP R	22	J 1/16W
R82 -86			RK73GB1J103J	CHIP R	10K	J 1/16W
R93			RK73GB1J101J	CHIP R	100	J 1/16W
R94			RK73GB1J105J	CHIP R	1.0M	J 1/16W
R98			RK73GB1J473J	CHIP R	47K	J 1/16W
R99			RK73GB1J103J	CHIP R	10K	J 1/16W
R100			RK73GB1J220J	CHIP R	22	J 1/16W
R129			RK73GB1J103J	CHIP R	10K	J 1/16W
R130,131			RK73GB1J102J	CHIP R	1.0K	J 1/16W
R136			RK73GB1J102J	CHIP R	1.0K	J 1/16W
R138-141			RK73GB1J101J	CHIP R	100	J 1/16W
R143			RK73GB1J221J	CHIP R	220	J 1/16W
R305			RK73GB1J103J	CHIP R	10K	J 1/16W
R309,310			RK73GB1J103J	CHIP R	10K	J 1/16W
R336			RK73GB1J473J	CHIP R	47K	J 1/16W
R337-340			RN73GH1J750D	CHIP R	75	D 1/16W
D7			MA111	DIODE		
IC10			TC74HC04AF	IC(INVERTER)		
IC14		*	DM9000E	MOS-IC		
IC18		*	EM8550	MOS-IC		
IC20		*	MBM29DL322BR1	0 ROM IC		
IC21		*	EM638325TS-7G	DRAM IC		
IC21		*	K4S643232HTC6	0 DRAM IC		
IC42,43		*	EM638165TS-6G	DRAM IC		
IC46,47		*	TC74LCX573FT	MOS-IC		
IC48,49		*	TC74LCX74FT	MOS-IC		
IC50		*	TC74LCX00FT	MOS-IC		
IC52		*	TC74LVX32FT	MOS-IC		
IC53		*	TC74VHC139FT	MOS-IC		
IC54		*	TC74LCX00FT	MOS-IC		
IC200		*	XC6203P182FR	ANALOGUE IC		
IC201		*	TPS2211AIDB	ANALOGUE IC		
IC202		*	CAT24WC04WI	ROM IC		
Q13		*	MMBT3904	TRANSISTOR		
ELECTRIC (X25-6630-11)						
C1 ,2			CC73GCH1H220J	CHIP C	22PF	J
C3 ,4			CE04KW1A101M	ELECTRO	100UF	10WV
C5 ,6			CK73GB1H472K	CHIP C	4700PF	K
C7 -19			CC73GCH1H221J	CHIP C	220PF	J
C20 -27			CC73GCH1H101J	CHIP C	100PF	J
C28 ,29			CE04KW1E101M	ELECTRO	100UF	25WV
C30			CE04HW1E100M	NP-ELEC	10UF	25WV
C31 ,32			CC73GCH1H100D	CHIP C	10PF	D
C33 ,34			CE04KW1H2R2M	ELECTRO	2.2UF	50WV
C35			CE04KW1H220M	ELECTRO	22UF	50WV
C36			CC73GCH1H471J	CHIP C	470PF	J
C37 ,38			CE04KW1E470M	ELECTRO	47UF	25WV
C39			CE04KW1E471M	ELECTRO	470UF	25WV
C40 ,41			CE04KW1H100M	ELECTRO	10UF	50WV
C42			CE04KW1E101M	ELECTRO	100UF	25WV
C43 ,44			CC73GCH1H100D	CHIP C	10PF	D
C45			CK73GB1H392K	CHIP C	3900PF	K
C46			CC73GCH1H471J	CHIP C	470PF	J
C47			CE04KW1H100M	ELECTRO	10UF	50WV

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Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
C48 ,49			CC73GSL1H102J	CHIP C 1000PF J		
C50			CE04HW1E470M	NP-ELEC 47UF 25WV		
C51			CE04KW1E470M	ELECTRO 47UF 25WV		
C52			CE04HW1E470M	NP-ELEC 47UF 25WV		
C53 ,54			CE04KW1H010M	ELECTRO 1.0UF 50WV		
C55			CE04KW1H100M	ELECTRO 10UF 50WV		
C56			CE04HW1E4R7M	NP-ELEC 4.7UF 25WV		
C57			CE04KW1H4R7M	ELECTRO 4.7UF 50WV		
C58			CE04HW1E4R7M	NP-ELEC 4.7UF 25WV		
C59			CE04HW1E100M	NP-ELEC 10UF 25WV		
C60			CC73GSL1H471J	CHIP C 470PF J		
C61			CC73GCH1H101J	CHIP C 100PF J		
C62 ,63			CE04KW1A101M	ELECTRO 100UF 10WV		
C64 ,65			CE04KW1H2R2M	ELECTRO 2.2UF 50WV		
C66			CC73GSL1H471J	CHIP C 470PF J		
C67 ,68			CE04KW1H220M	ELECTRO 22UF 50WV		
C69 ,70			CC73GCH1H471J	CHIP C 470PF J		
C71 ,72			CK73GF1E104Z	CHIP C 0.10UF Z		
C73			CE04KW1H0R1M	ELECTRO 0.1UF 50WV		
C74 ,75			CE04KW1H4R7M	ELECTRO 4.7UF 50WV		
C77 ,78			CE04KW1E221M	ELECTRO 220UF 25WV		
C79			CC73GCH1H471J	CHIP C 470PF J		
C80			CE04KW1H100M	ELECTRO 10UF 50WV		
C81 -85			CC73GCH1H220J	CHIP C 22PF J		
C86 ,87			CC73GCH1H470J	CHIP C 47PF J		
C88 -91			CC73GCH1H220J	CHIP C 22PF J		
C94 ,95			CE04KW1H4R7M	ELECTRO 4.7UF 50WV		
C103			CE04KW1E102M	ELECTRO 1000UF 25WV		
C104			CE04KW1H100M	ELECTRO 10UF 50WV		
C301-303			CC73GCH1H100D	CHIP C 10PF D		
C304			CC73GCH1H101J	CHIP C 100PF J		
C305-307			CC73GCH1H470J	CHIP C 47PF J		
C308			CC73GCH1H101J	CHIP C 100PF J		
C309-314			CC73GCH1H470J	CHIP C 47PF J		
C315-320			CC73GCH1H100D	CHIP C 10PF D		
C321-326			CE04KW1V330M	ELECTRO 33UF 35WV		
C327			CE04KW1E470M	ELECTRO 47UF 25WV		
C328			CK73GF1E104Z	CHIP C 0.10UF Z		
C329			CE04KW1E470M	ELECTRO 47UF 25WV		
C330			CK73GF1E104Z	CHIP C 0.10UF Z		
C331-333			CE04KW1E470M	ELECTRO 47UF 25WV		
C334			CK73GB1H103K	CHIP C 0.010UF K		
C337			CE04KW1A471M	ELECTRO 470UF 10WV		
C338			CE04KW1H100M	ELECTRO 10UF 50WV		
C339,340			CE04KW1A471M	ELECTRO 470UF 10WV		
C341-345			CK73GB1H103K	CHIP C 0.010UF K		
C346-348			CK73GF1E104Z	CHIP C 0.10UF Z		
C349-351			CK73GB1H103K	CHIP C 0.010UF K		
C352-354			CE04KW1V330M	ELECTRO 33UF 35WV		
C355			CK73GB1H103K	CHIP C 0.010UF K		
C357			CE04KW1H100M	ELECTRO 10UF 50WV		
C358			CK73GF1E104Z	CHIP C 0.10UF Z		
C359,360			CE04KW1E470M	ELECTRO 47UF 25WV		
C361			CK73GF1E104Z	CHIP C 0.10UF Z		

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C362			CE04KW1E470M	ELECTRO 47UF 25WV		
C363,364			CK73GB1H103K	CHIP C 0.010UF K		
C365			CE04KW1H100M	ELECTRO 10UF 50WV		
C366			CE04KW1A101M	ELECTRO 100UF 10WV		
C367,368			CE04KW1V330M	ELECTRO 33UF 35WV		
C369			CE04KW1H100M	ELECTRO 10UF 50WV		
C370			CK73GB1H103K	CHIP C 0.010UF K		
C371,372			CE04KW1V330M	ELECTRO 33UF 35WV		
C373			CK73GB1H103K	CHIP C 0.010UF K		
C374			CE04KW1V330M	ELECTRO 33UF 35WV		
C375-377			CK73GB1H103K	CHIP C 0.010UF K		
C378			CE04KW1H100M	ELECTRO 10UF 50WV		
C379			CK73GF1E104Z	CHIP C 0.10UF Z		
C381-383			CC73GCH1H820J	CHIP C 82PF J		
C384			CE04KW1V330M	ELECTRO 33UF 35WV		
C388			CC73GCH1H820J	CHIP C 82PF J		
C391,392			CE04KW1E470M	ELECTRO 47UF 25WV		
C395			CE04KW1A101M	ELECTRO 100UF 10WV		
C396			CC73GCH1H020C	CHIP C 2.0PF C		
C398			CC73GCH1H020C	CHIP C 2.0PF C		
C399-403			CC73GCH1H820J	CHIP C 82PF J		
C411			CC73GCH1H471J	CHIP C 470PF J		
C413,414			CK73GB1H472K	CHIP C 4700PF K		
C615,616			CK73GB1H472K	CHIP C 4700PF K		
C617		*	C93-0058-05	CERAMIC CAPACITOR (TYPE 2)		
C618			CE04KW1H4R7M	ELECTRO 4.7UF 50WV		
C619			CK73GF1E104Z	CHIP C 0.10UF Z		
C800			CK73GB1H103K	CHIP C 0.010UF K		
C801			CK73GB1H182K	CHIP C 1800PF K		
C802			CC73GSL1H102J	CHIP C 1000PF J		
C803			CE04KW1H220M	ELECTRO 22UF 50WV		
C804			CK73GF1C224Z	CHIP C 0.22UF Z		
C805			CK73GB1H103K	CHIP C 0.010UF K		
CN5			E40-8603-05	FLAT CABLE CONNECTOR		
CN6			E40-8637-05	FLAT CABLE CONNECTOR		
CN7			E40-8904-05	FLAT CABLE CONNECTOR		
CN603			E40-4902-05	FLAT CABLE CONNECTOR		
CN707			E40-8485-05	FLAT CABLE CONNECTOR		
J1			E63-1317-05	PIN JACK		
J2			E63-1338-05	PIN JACK		
J3			E63-1339-05	PIN JACK		
J4			E63-1294-05	PIN JACK		
J6		*	E58-0063-05	RECTANGULAR RECEPTACLE		
J301			E63-1337-05	PIN JACK		
J302			E63-1293-05	PIN JACK		
J303			E56-0049-05	CYLINDRICAL RECEPTACLE		
J304			E63-1315-05	PIN JACK		
J305			E63-1316-05	PIN JACK		
L1 -4		*	L92-0583-05	FERRITE CORE		
			L92-0510-05	CHIP FERRITE		
R1 ,2			RK73GB1J101J	CHIP R 100 J 1/16W		
R3 ,4			RK73GB1J820J	CHIP R 82 J 1/16W		
R7 ,8			RK73GB1J101J	CHIP R 100 J 1/16W		
R9			RK73GB1J470J	CHIP R 47 J 1/16W		
R10 ,11			RK73GB1J4R7J	CHIP R 4.7 J 1/16W		

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PARTS LIST

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Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
R12			RK73GB1J470J	CHIP R 47 J 1/16W		
R13			RK73GB1J223J	CHIP R 22K J 1/16W		
R14 -23			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R24			RD14NB2E561J	RD 560 J 1/4W		
R25			RK73GB1J222J	CHIP R 2.2K J 1/16W		
R26			RD14NB2E470J	RD 47 J 1/4W		
R27 -36			RK73GB1J224J	CHIP R 220K J 1/16W		
R37 -39			RK73GB1J470J	CHIP R 47 J 1/16W		
R40 -42			RK73GB1J104J	CHIP R 100K J 1/16W		
R43 ,44			RK73GB1J103J	CHIP R 10K J 1/16W		
R45 ,46			RK73GB1J1R0J	CHIP R 1 J 1/16W		
R47 ,48			RS14KB3D220J	FL-PROOF RS 22 J 2W		
R49			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R50 ,51			RK73GB1J471J	CHIP R 470 J 1/16W		
R52			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R53 -55			RK73GB1J473J	CHIP R 47K J 1/16W		
R56 ,57			RK73GB1J471J	CHIP R 470 J 1/16W		
R58			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R59 ,60			RK73GB1J123J	CHIP R 12K J 1/16W		
R61			RK73GB1J101J	CHIP R 100 J 1/16W		
R62 ,63			RK73GB1J473J	CHIP R 47K J 1/16W		
R65 ,66			RK73GB1J100J	CHIP R 10 J 1/16W		
R69 ,70			RK73GB1J101J	CHIP R 100 J 1/16W		
R71 ,72			RK73GB1J104J	CHIP R 100K J 1/16W		
R73			RK73GB1J473J	CHIP R 47K J 1/16W		
R74			RK73GB1J101J	CHIP R 100 J 1/16W		
R75 ,76			RK73GB1J473J	CHIP R 47K J 1/16W		
R77			RD14NB2E561J	RD 560 J 1/4W		
R78 ,79			RK73GB1J101J	CHIP R 100 J 1/16W		
R80			RK73GB1J103J	CHIP R 10K J 1/16W		
R81			RK73GB1J133J	CHIP R 13K J 1/16W		
R82 ,83			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R84 ,85			RK73GB1J133J	CHIP R 13K J 1/16W		
R86			RK73GB1J103J	CHIP R 10K J 1/16W		
R87 ,88			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R89 -91			RK73GB1J473J	CHIP R 47K J 1/16W		
R92			RK73GB1J104J	CHIP R 100K J 1/16W		
R93 -95			RK73GB1J473J	CHIP R 47K J 1/16W		
R96 ,97			RK73GB1J472J	CHIP R 4.7K J 1/16W		
R98			RK73GB1J101J	CHIP R 100 J 1/16W		
R99 ,100			RD14NB2E221J	RD 220 J 1/4W		
R101			RK73GB1J101J	CHIP R 100 J 1/16W		
R102			RK73GB1J104J	CHIP R 100K J 1/16W		
R103			RK73GB1J101J	CHIP R 100 J 1/16W		
R104			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R107-109			RK73GB1J104J	CHIP R 100K J 1/16W		
R110			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R111,112			RK73GB1J562J	CHIP R 5.6K J 1/16W		
R113			RK73GB1J100J	CHIP R 10 J 1/16W		
R114			RK73GB1J101J	CHIP R 100 J 1/16W		
R115			RK73GB1J100J	CHIP R 10 J 1/16W		
R116			RK73GB1J101J	CHIP R 100 J 1/16W		
R117,118			RK73GB1J272J	CHIP R 2.7K J 1/16W		
R119			RK73GB1J104J	CHIP R 100K J 1/16W		
R120-122			RK73GB1J101J	CHIP R 100 J 1/16W		

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R123,124			RK73GB1J104J	CHIP R 100K J 1/16W		
R125,126			RK73GB1J100J	CHIP R 10 J 1/16W		
R127,128			RK73GB1J472J	CHIP R 4.7K J 1/16W		
R129			RD14NB2E2R2J	RD 2.2 J 1/4W		
R130			RD14NB2E100J	RD 10 J 1/4W		
R131			RK73GB1J4R7J	CHIP R 4.7 J 1/16W		
R132,133			RK73GB1J100J	CHIP R 10 J 1/16W		
R134,135			RK73GB1J220J	CHIP R 22 J 1/16W		
R136,137			RK73GB1J104J	CHIP R 100K J 1/16W		
R139			RK73GB1J104J	CHIP R 100K J 1/16W		
R143,144			RK73GB1J473J	CHIP R 47K J 1/16W		
R147,148			RK73GB1J471J	CHIP R 470 J 1/16W		
R301-304			RK73GB1J104J	CHIP R 100K J 1/16W		
R305-307			RK73GB1J750J	CHIP R 75 J 1/16W		
R308			RK73GB1J104J	CHIP R 100K J 1/16W		
R310			RK73GB1J104J	CHIP R 100K J 1/16W		
R312,313			RK73GB1J750J	CHIP R 75 J 1/16W		
R315,316			RK73GB1J750J	CHIP R 75 J 1/16W		
R317,318			RK73GB1J104J	CHIP R 100K J 1/16W		
R319-331			RK73GB1J750J	CHIP R 75 J 1/16W		
R332			RK73GB1J105J	CHIP R 1.0M J 1/16W		
R333,334			RD14NB2E220J	RD 22 J 1/4W		
R335			RK73GB1J105J	CHIP R 1.0M J 1/16W		
R338-340			RK73GB1J104J	CHIP R 100K J 1/16W		
R346			RD14NB2E101J	RD 100 J 1/4W		
R347			RS14KB3AR22J	FL-PROOF RS 0.22 J 1W		
R348			RD14NB2E2R2J	RD 2.2 J 1/4W		
R350			RD14NB2E220J	RD 22 J 1/4W		
R351,352			RD14NB2E150J	RD 15 J 1/4W		
R355			RK73GB1J105J	CHIP R 1.0M J 1/16W		
R356			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R357			RK73GB1J105J	CHIP R 1.0M J 1/16W		
R360			RK73GB1J101J	CHIP R 100 J 1/16W		
R363			RK73GB1J105J	CHIP R 1.0M J 1/16W		
R371-374			RK73GB1J105J	CHIP R 1.0M J 1/16W		
R381			RK73GB1J104J	CHIP R 100K J 1/16W		
R388,389			RK73GB1J104J	CHIP R 100K J 1/16W		
R390,391			RK73GB1J105J	CHIP R 1.0M J 1/16W		
R399-403			RK73GB1J101J	CHIP R 100 J 1/16W		
R405			RK73GB1J101J	CHIP R 100 J 1/16W		
R408			RK73GB1J101J	CHIP R 100 J 1/16W		
R413,414			RK73GB1J101J	CHIP R 100 J 1/16W		
R666,667			RK73GB1J750J	CHIP R 75 J 1/16W		
R668-678			RK73GB1J101J	CHIP R 100 J 1/16W		
R800			RK73GB1J1R0J	CHIP R 1 J 1/16W		
R801			RK73GB1J562J	CHIP R 5.6K J 1/16W		
R802			RK73GB1J223J	CHIP R 22K J 1/16W		
R803,804			RK73GB1J103J	CHIP R 10K J 1/16W		
R805			RK73GB1J104J	CHIP R 100K J 1/16W		
R806			RK73GB1J101J	CHIP R 100 J 1/16W		
R807			RK73GB1J474J	CHIP R 470K J 1/16W		
R808			RK73GB1J103J	CHIP R 10K J 1/16W		
R809			RK73GB1J153J	CHIP R 15K J 1/16W		
R810			RK73GB1J103J	CHIP R 10K J 1/16W		

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 Δ indicates safety critical components .

* New Parts

Parts without **Parts No.** are not supplied.

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

Teile ohne **Parts No.** werden nicht geliefert.

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Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks	
R811 R816			RK73GB1J222J RD14NB2E220J	CHIP R RD	2.2K 22	J J	1/16W 1/4W
K1			S76-0097-05	MAGNETIC RELAY			
D1			HSS104A	DIODE			
D1			1SS133	DIODE			
D2			MTZJ4.7(B)	ZENER DIODE			
D3			MTZJ3.9(B)	ZENER DIODE			
D3			RD3.9ES(B2)	ZENER DIODE			
D4 ,5			HZU6.8(B2)	ZENER DIODE			
D4 ,5			UDZS6.8B	ZENER DIODE			
D9			S5688B	DIODE			
D9			1SR139-400	DIODE			
D301			MTZJ5.6(B)	ZENER DIODE			
D301			RD5.6ES(B2)	ZENER DIODE			
D801			1SS302	DIODE			
IC1			NJM4580ED	ANALOGUE IC			
IC2			BD3841FS	ANALOGUE IC			
IC3 ,4			NJM4565M	ANALOGUE IC			
IC5			BD3812F	ANALOGUE IC			
IC6			NJU7311AM	MOS-IC			
IC7			NJM4580ED	ANALOGUE IC			
IC8	Δ		KIA7812API	ANALOGUE IC			
IC9	Δ		KIA7912PI	ANALOGUE IC			
IC301			NJM2584M	ANALOGUE IC			
IC302			NJM2595M	ANALOGUE IC			
IC303,304			NJM2279M	ANALOGUE IC			
IC305			NJM2580M	ANALOGUE IC			
IC306			NJM2584M	ANALOGUE IC			
IC307			NJM2285V	ANALOGUE IC			
IC311			BA05FP	ANALOGUE IC			
IC801			NJM4565M	ANALOGUE IC			
Q1			KTC3199(Y,GR)	TRANSISTOR			
Q1			2SC1740S(Q,R)	TRANSISTOR			
Q1			2SC2785(F,E)	TRANSISTOR			
Q2			2SA992(F,E)	TRANSISTOR			
Q3 -7			2SC4213(B)	TRANSISTOR			
Q8			2SA992(F,E)	TRANSISTOR			
Q9 ,10			2SC4213(B)	TRANSISTOR			
Q309			2SB1640	TRANSISTOR			
Q801			2SC4081(R,S)	TRANSISTOR			
Q801			2SD1819A(Q,R)	TRANSISTOR			
A1 ,2			W02-4524-05	OPTIC RECEIVING MODULE			

PARTS LIST

VRS-N8100

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

Δ indicates safety critical components .

SPECIFICATIONS

(For U.S.A. and Canada)

AUDIO section

Rated power output during STEREO operation

70 watts per channel minimum RMS, both channels driven, at 8 Ω from 20 Hz to 20 kHz with no more than 0.7% total harmonic distortion. (FTC)

100 watts per channel minimum RMS, both channels driven, at 6 Ω from 20 Hz to 20 kHz with no more than 0.7% total harmonic distortion.

Effective power output during STEREO operation 130 W + 130 W
(1 kHz, 10% T.H.D. at 6 Ω)

Effective power output during SURROUND operation

FRONT 100 W + 100 W
(1 kHz, 0.5% T.H.D. at 6 Ω one channel driven)

130 W + 130 W
(1 kHz, 10% T.H.D. at 6 Ω one channel driven)

CENTER 100 W
(1 kHz, 0.5% T.H.D. at 6 Ω one channel driven)

130 W
(1 kHz, 10% T.H.D. at 6 Ω one channel driven)

SURROUND 100 W + 100 W
(1 kHz, 0.5% T.H.D. at 6 Ω one channel driven)

130 W + 130 W
(1 kHz, 10% T.H.D. at 6 Ω one channel driven)

SURROUND BACK/SUBWOOFER 100 W
(1 kHz, 0.5% T.H.D. at 6 Ω one channel driven)

130 W
(1 kHz, 10% T.H.D. at 6 Ω one channel driven)

Total harmonic distortion 0.09% (1 kHz, 50 W, 6 Ω)

Frequency response

DIGITAL IN (DVD, VIDEO 1, VIDEO 2, AUX, GAME)
..... 10 Hz ~ 44 kHz, Sampling frequency 96kHz, +0 dB ~ -3.0 dB

Signal to noise ratio

DIGITAL IN (DVD, VIDEO 1, VIDEO 2, AUX, GAME) 96 dB

Input sensitivity / impedance

LINE (DVD, VIDEO 1, VIDEO 2, AUX, FRONT AUX, GAME)
..... 200 mV / 47 kΩ

Output level / impedance

REC OUT 200 mV / 1 kΩ

PRE OUT (SURROUND BACK) 1 V / 1 kΩ

PRE OUT (SUBWOOFER) 1 V / 1 kΩ

Tone control

BASS ±10 dB (at 100 Hz)

TREBLE ±10 dB (at 10 kHz)

DIGITAL AUDIO section

Sampling frequency 32 kHz, 44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz

Input level / impedance / wave length

Optical (VIDEO 1, AUX, GAME)
..... (-15 dBm ~ -24 dBm), 660 nm ±30 nm

Coaxial (DVD, VIDEO 2) 0.5 Vp-p / 75 Ω

VIDEO section

Input sensitivity / impedance

Composite (DVD, VIDEO 1, VIDEO 2, FRONT AUX, GAME)
..... 1 Vp-p / 75 Ω

S VIDEO (DVD, VIDEO 2)

Luminance signal 1 Vp-p / 75 Ω

Chrominance signal 0.286 Vp-p / 75 Ω

COMPONENT VIDEO (DVD, VIDEO 2)

Luminance signal 1 Vp-p / 75 Ω

Cb/CR-signal 0.64 Vp-p / 75 Ω

Output level / impedance

Composite (VIDEO 1, MONITOR OUT) 1 Vp-p / 75 Ω

S VIDEO (MONITOR OUT)

Luminance signal 1 Vp-p / 75 Ω

Chrominance signal 0.286 Vp-p / 75 Ω

COMPONENT VIDEO (MONITOR OUT)

Luminance signal 1 Vp-p / 75 Ω

Cb/CR-signal 0.64 Vp-p / 75 Ω

FM tuner section

Tuning frequency range 87.5 MHz ~ 108 MHz

Usable sensitivity (MONO)

..... 1.3 μV (75 Ω) / 13.2 dBf (75 kHz dev, SINAD 30 dB)

50 dB quieting sensitivity

STEREO 28 μV (75 Ω) / 40.2 dBf (75 kHz dev)

Total harmonic distortion (1 kHz)

MONO 0.5% (71.2 dBf input)

STEREO 0.7% (71.2 dBf input)

Signal to noise ratio (1 kHz)

MONO 75 dB (71.2 dBf input)

STEREO 68 dB (71.2 dBf input)

Selectivity (±400 kHz) 70 dB

Stereo separation (1 kHz) 40 dB

Frequency response (30 Hz ~ 15kHz) +0.5 dB, -3.0 dB

AM tuner section

Tuning frequency range 530 kHz ~ 1,700 kHz

Usable sensitivity (30% mod, S/N 20 dB) 16 μV / (600 μV/m)

Signal to noise ratio (30% mod, 400 Hz)

..... 50 dB (60 dBμ V EMF input)

GENERAL

Power consumption 95 W

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

H : 79 mm (3-1/8")

D : 364 mm (14-5/16")

Weight (Net) 4.6 kg (10.1 lb)

Notes

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

VRS-N8100

SPECIFICATIONS

(For Europe and Australia)

AUDIO section

For Europe

Rated power output during STEREO operation 100 W + 100 W
DIN/IEC (20 Hz ~ 20 kHz, 0.7% T.H.D. at 6 Ω)

Effective power output during STEREO operation..... 130 W + 130 W
(1 kHz, 10% T.H.D. at 6 Ω)

For Australia

Rated power output during STEREO operation

70 watts per channel minimum RMS, both channels driven, at 8 Ω from 20 Hz to 20 kHz with no more than 0.7% total harmonic distortion. (FTC)

Rated power output during STEREO operation 100 W + 100 W
DIN/IEC (20 Hz ~ 20 kHz, 0.7% T.H.D. at 6 Ω)

Effective power output during STEREO operation130 W + 130 W
(1 kHz, 10% T.H.D. at 6 Ω)

Effective power output during SURROUND operation

FRONT 100 W + 100 W
(1 kHz, 0.5% T.H.D. at 6 Ω one channel driven)
130 W + 130 W
(1 kHz, 10% T.H.D. at 6 Ω one channel driven)

CENTER..... 100 W
(1 kHz, 0.5% T.H.D. at 6 Ω one channel driven)
130 W
(1 kHz, 10% T.H.D. at 6 Ω one channel driven)

SURROUND..... 100 W + 100 W
(1 kHz, 0.5% T.H.D. at 6 Ω one channel driven)
130 W + 130 W
(1 kHz, 10% T.H.D. at 6 Ω one channel driven)

SURROUND BACK/SUBWOOFER..... 100 W
(1 kHz, 0.5% T.H.D. at 6 Ω one channel driven)
130 W
(1 kHz, 10% T.H.D. at 6 Ω one channel driven)

Total harmonic distortion 0.09% (1 kHz, 50 W, 6 Ω)

Frequency response

DIGITAL IN (DVD, VIDEO 1, VIDEO 2, AUX, GAME)
..... 10 Hz ~ 44 kHz, Sampling frequency 96kHz, +0 dB ~ -3.0 dB

Signal to noise ratio

DIGITAL IN (DVD, VIDEO 1, VIDEO 2, AUX, GAME) 96 dB

Input sensitivity / impedance

LINE (DVD, VIDEO 1, VIDEO 2, AUX, FRONT AUX, GAME)
..... 200 mV / 47 kΩ

Output level / impedance

REC OUT 200 mV / 1 kΩ
PRE OUT (SURROUND BACK) 1 V / 1 kΩ
PRE OUT (SUBWOOFER) 1 V / 1 kΩ

Tone control

BASS ±10 dB (at 100 Hz)
TREBLE ±10 dB (at 10 kHz)

DIGITAL AUDIO section

Sampling frequency 32 kHz, 44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz

Input level / impedance / wave length

Optical (VIDEO 1, AUX, GAME)
..... (-15 dBm ~ -24 dBm), 660 nm ±30 nm
Coaxial (DVD, VIDEO 2) 0.5 Vp-p / 75 Ω

VIDEO section

Input sensitivity / impedance

Composite (DVD, VIDEO 1, VIDEO 2, FRONT AUX, GAME)

..... 1 Vp-p / 75 Ω

S VIDEO (DVD, VIDEO 2)

Luminance signal 1 Vp-p / 75 Ω

Chrominance signal 0.286 Vp-p / 75 Ω

COMPONENT VIDEO (DVD, VIDEO 2)

Luminance signal 1 Vp-p / 75 Ω

Cb/CR-signal 0.7 Vp-p / 75 Ω

Output level / impedance

Composite (VIDEO 1, MONITOR OUT) 1 Vp-p / 75 Ω

S VIDEO (MONITOR OUT)

Luminance signal 1 Vp-p / 75 Ω

Chrominance signal 0.286 Vp-p / 75 Ω

COMPONENT VIDEO (MONITOR OUT)

Luminance signal 1 Vp-p / 75 Ω

Cb/CR-signal 0.7 Vp-p / 75 Ω

FM tuner section

Tuning frequency range 87.5 MHz ~ 108 MHz

Usable sensitivity (DIN at 75 Ω)

MONO 1.3 μV/ 13.2 dBf (40 kHz dev, S/N 26 dB)

STEREO 45 μV/ 42.1 dBf (40 + 6 kHz dev, S/N 46 dB)

Total harmonic distortion (DIN at 1 kHz)

MONO 0.2% (71.2 dBf input)

STEREO 0.8% (71.2 dBf input)

Signal to noise ratio (DIN weighted at 1 kHz)

MONO 65 dB (71.2 dBf input)

STEREO 60 dB (71.2 dBf input)

Selectivity (DIN ±300 kHz) 64 dB

Stereo separation (1 kHz) 36 dB

Frequency response (30 Hz ~ 15kHz) +0.5 dB, -3.0 dB

AM tuner section

Tuning frequency range 531 kHz ~ 1,602 kHz

Usable sensitivity (30% mod, S/N 20 dB) 16 μV / (600 μV/m)

Signal to noise ratio (30% mod, 400 Hz)

..... 50 dB (60 dBμ V EMF input)

GENERAL

Power consumption 85 W

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

H : 79 mm (3-1/8")

D : 364 mm (14-5/16")

Weight (Net) 4.6 kg (10.1 lb)

Notes

1.KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.

2.The full performance may not be exhibited in an extremely cold location (under a water-freezing temperature).