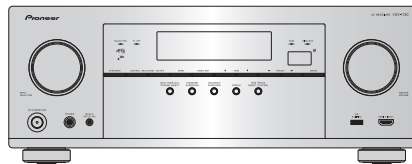


Pioneer

Service Manual



VSX-1130-K

ORDER NO.
RRV4597

AV Receiver

VSX-1130-K

VSX-90

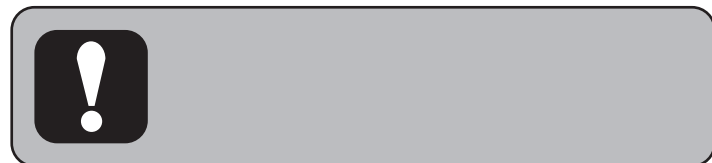
VSA-1130

THIS MANUAL IS APPLICABLE TO THE FOLLOWING MODEL(S) AND TYPE(S).

Model	Type	Power Requirement	Remarks
VSX-1130-K	CUXESM	AC 120 V	
VSX-90	CUXE	AC 120 V	
VSA-1130	JXEV	AC 100 V	

THIS SERVICE MANUAL SHOULD BE USED TOGETHER WITH THE FOLLOWING MANUAL(S).

Model	Order No.	Remarks
VSX-1130-K, VSX-90	RRV4596	BLOCK DIAGRAM, EXPLODED VIEWS AND PARTS LIST etc.



PIONEER CORPORATION 1-1, Shin-ogura, Saiwai-ku, Kawasaki-shi, Kanagawa 212-0031, Japan
PIONEER ELECTRONICS (USA) INC. P.O. Box 1760, Long Beach, CA 90801-1760, U.S.A.
PIONEER EUROPE NV Haven 1087, Keetberglaan 1, 9120 Melsele, Belgium
PIONEER ELECTRONICS ASIACENTRE PTE. LTD. 253 Alexandra Road, #04-01, Singapore 159936
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K-MZV MAY 2015 Printed in Japan

SAFETY INFORMATION



This service manual is intended for qualified service technicians; it is not meant for the casual do-it-yourselfer. Qualified technicians have the necessary test equipment and tools, and have been trained to properly and safely repair complex products such as those covered by this manual.

Improperly performed repairs can adversely affect the safety and reliability of the product and may void the warranty. If you are not qualified to perform the repair of this product properly and safely, you should not risk trying to do so and refer the repair to a qualified service technician.

WARNING

This product may contain a chemical known to the State of California to cause cancer, or birth defects or other reproductive harm.

Health & Safety Code Section 25249.6 - Proposition 65

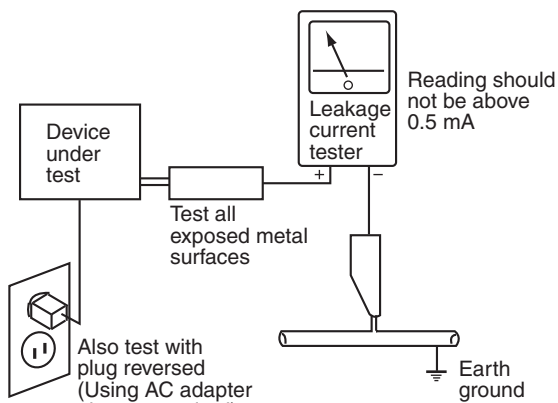
(FOR USA MODEL ONLY)

1. SAFETY PRECAUTIONS

The following check should be performed for the continued protection of the customer and service technician.

LEAKAGE CURRENT CHECK

Measure leakage current to a known earth ground (water pipe, conduit, etc.) by connecting a leakage current tester such as Simpson Model 229-2 or equivalent between the earth ground and all exposed metal parts of the appliance (input/output terminals, screwheads, metal overlays, control shaft, etc.). Plug the AC line cord of the appliance directly into a 120 V AC 60 Hz outlet and turn the AC power switch on. Any current measured must not exceed 0.5 mA.



AC Leakage Test

ANY MEASUREMENTS NOT WITHIN THE LIMITS OUTLINED ABOVE ARE INDICATIVE OF A POTENTIAL SHOCK HAZARD AND MUST BE CORRECTED BEFORE RETURNING THE APPLIANCE TO THE CUSTOMER.

2. PRODUCT SAFETY NOTICE

Many electrical and mechanical parts in the appliance have special safety related characteristics. These are often not evident from visual inspection nor the protection afforded by them necessarily can be obtained by using replacement components rated for voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in this Service Manual.

Electrical components having such features are identified by marking with a \triangle on the schematics and on the parts list in this Service Manual.

The use of a substitute replacement component which does not have the same safety characteristics as the PIONEER recommended replacement one, shown in the parts list in this Service Manual, may create shock, fire, or other hazards.

Product Safety is continuously under review and new instructions are issued from time to time. For the latest information, always consult the current PIONEER Service Manual. A subscription to, or additional copies of, PIONEER Service Manual may be obtained at a nominal charge from PIONEER.


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A
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10. SCHEMATIC DIAGRAM

10.1 OVERALL WIRING DIAGRAM

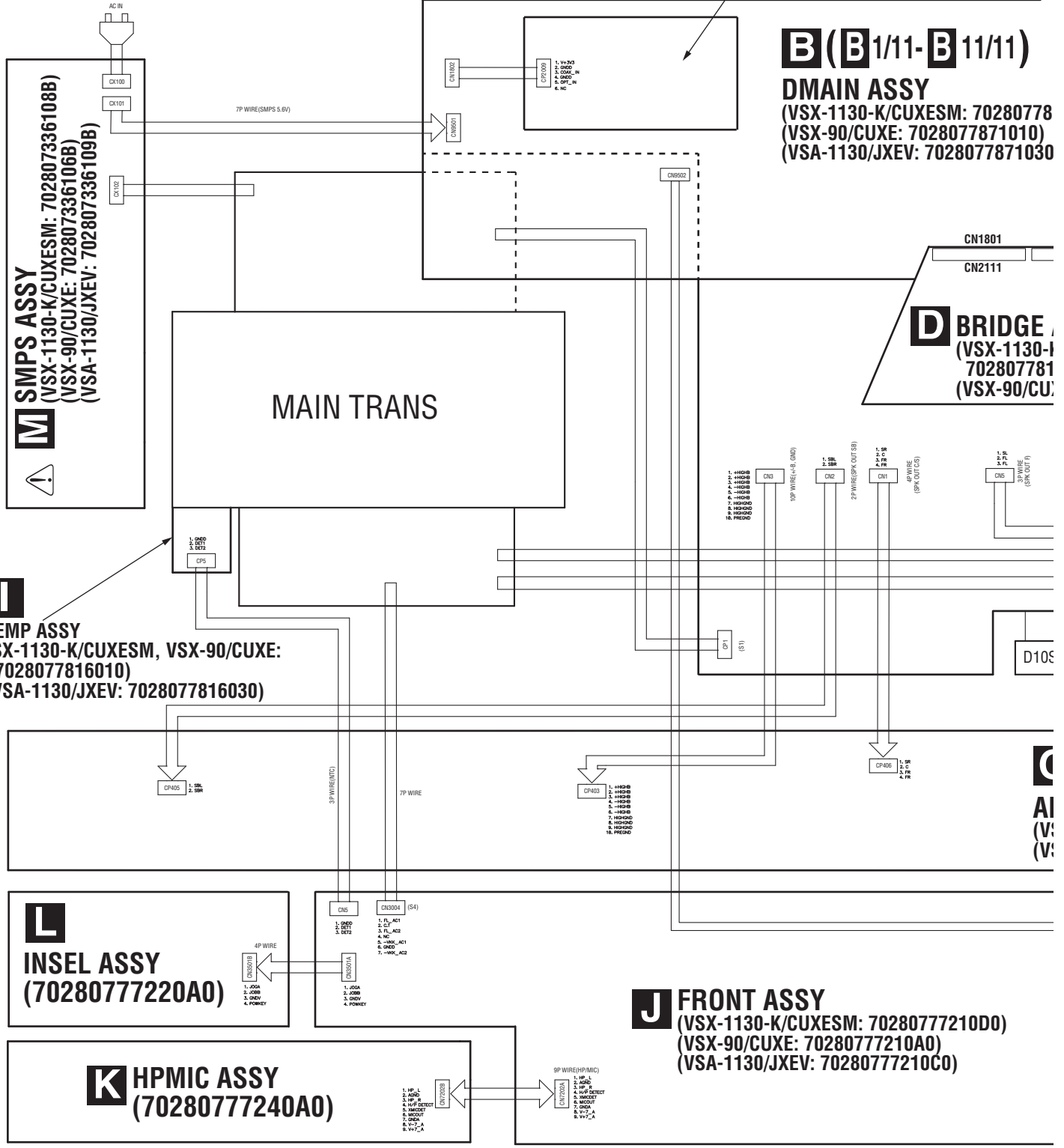
- When ordering service parts, be sure to refer to "EXPLODED VIEWS and PARTS LIST" or "PCB PARTS LIST".
- The \triangle mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.
- : The power supply is shown with the marked box.

- 部品を発注する場合は、必ず「分解図と部品表」または「電気部品表」を参照してください。
- \triangle 印の部品は、安全上重要な部品です。交換するときは、安全および性能維持のため必ず指定の部品をご使用ください。
-  印は電源の供給源を示しています。

C
OPTCO ASSY
 (VSX-1130-K/CUXESM, VSX-90/CUXE: 70280777230A0)
 (VSA-1130/JXEV: 70280777230B0)

B (B1/11 - B 11/11)
DMAIN ASSY
 (VSX-1130-K/CUXESM: 70280778)
 (VSX-90/CUXE: 7028077871010)
 (VSA-1130/JXEV: 7028077871030)

D
BRIDGE
 (VSX-1130-I)
 702807781
 (VSX-90/CU)



A
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VSX-90/CUXE:
777230B0)

B 11/11)

(ESM: 7028077871040)
(VSX-90/CUXE: 7028077871010)
(VSA-1130/JXEV: 7028077871030)

E AUDIO ASSY
(VSX-1130-K/CUXESM: 7028077841040)
(VSX-90/CUXE: 7028077841010)
(VSA-1130/JXEV: 7028077841030)

TUNER

F CPU ASSY
(VSX-1130-K/CUXESM: 70280777310D0)
(VSX-90/CUXE: 70280777310A0)
(VSA-1130/JXEV: 70280777310C0)

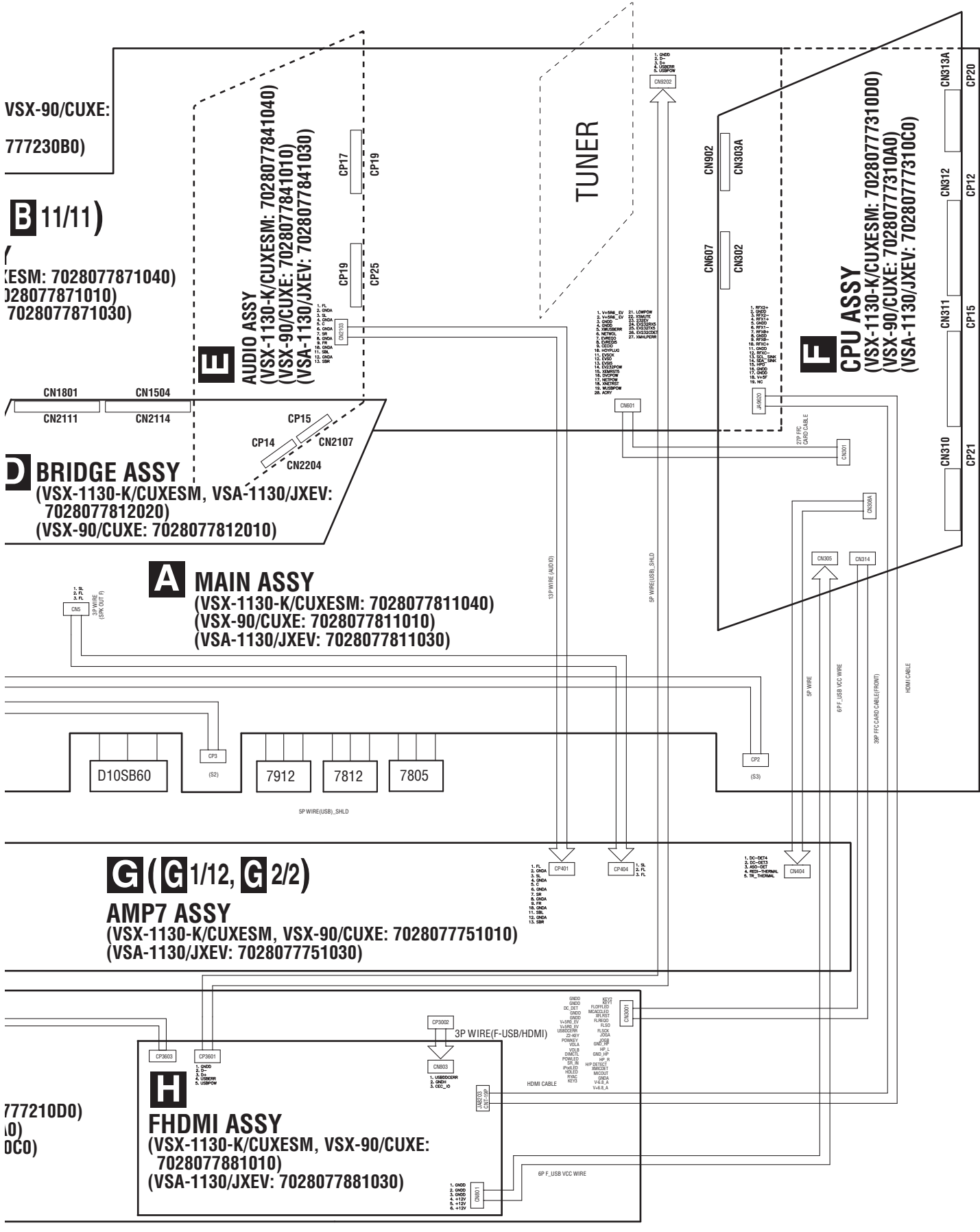
D BRIDGE ASSY
(VSX-1130-K/CUXESM, VSA-1130/JXEV:
7028077812020)
(VSX-90/CUXE: 7028077812010)

A MAIN ASSY
(VSX-1130-K/CUXESM: 7028077811040)
(VSX-90/CUXE: 7028077811010)
(VSA-1130/JXEV: 7028077811030)

G (G1/12, G2/2)
AMP7 ASSY
(VSX-1130-K/CUXESM, VSX-90/CUXE: 7028077751010)
(VSA-1130/JXEV: 7028077751030)

777210D0)
(0)
0C0)
H FHDMI ASSY
(VSX-1130-K/CUXESM, VSX-90/CUXE:
7028077881010)
(VSA-1130/JXEV: 7028077881030)

VSX-1130-K



10.2 MAIN ASSY

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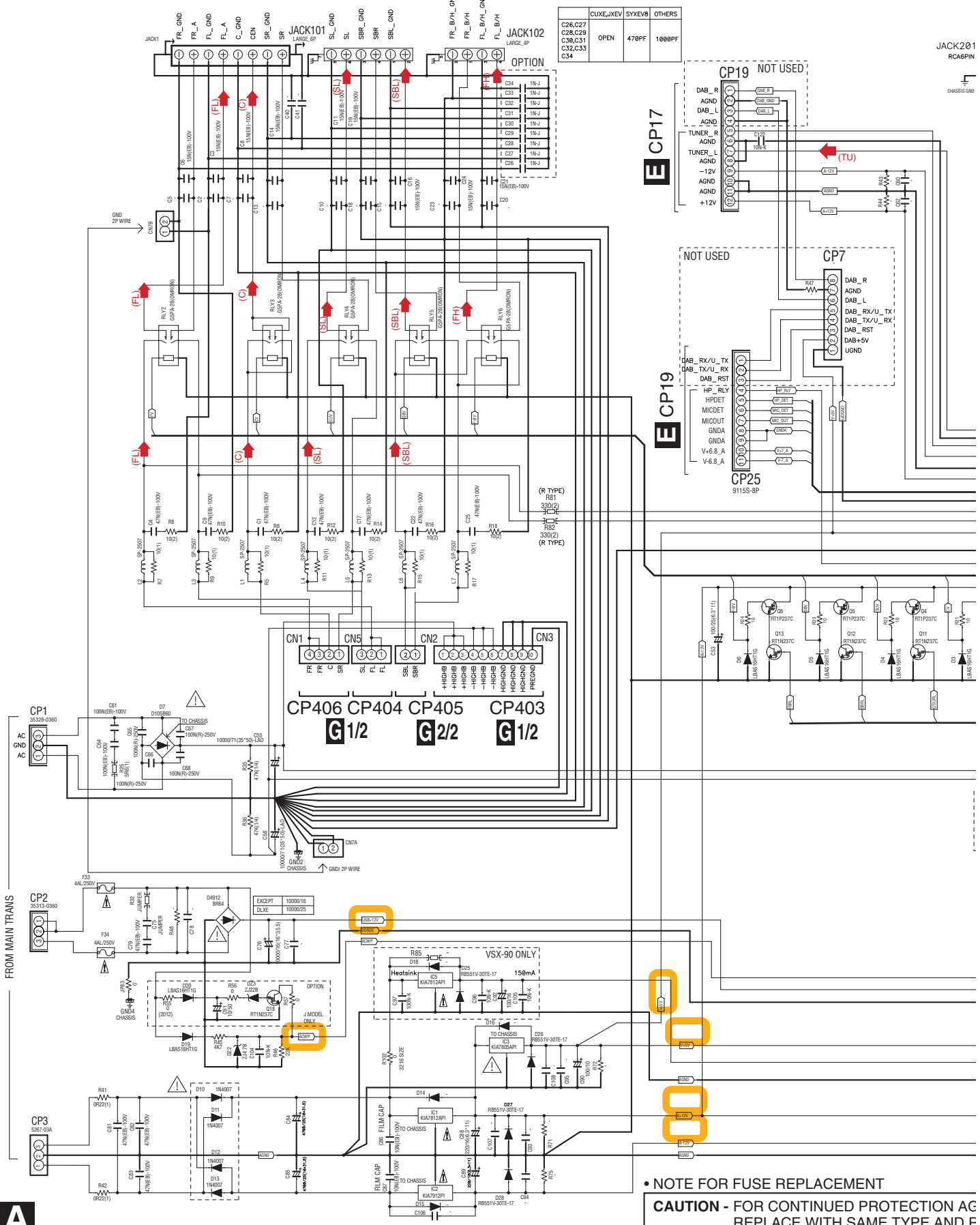
C

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E

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SPEAKER TERMINAL



	CUXE,JXEV	SYXV8	OTHERS
C26,C27	OPEN	470PF	1000PF
C28,C29			
C30,C31			
C32,C33			
C34			

JACK201
RC46PN
CHASSIS GND

E CP17

E CP19

CP406 CP404 CP405 CP403
G 1/2 G 2/2 G 1/2

VSX-1130-K

• NOTE FOR FUSE REPLACEMENT
CAUTION - FOR CONTINUED PROTECTION AC REPLACE WITH SAME TYPE AND F

1

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6

A MAIN ASSY

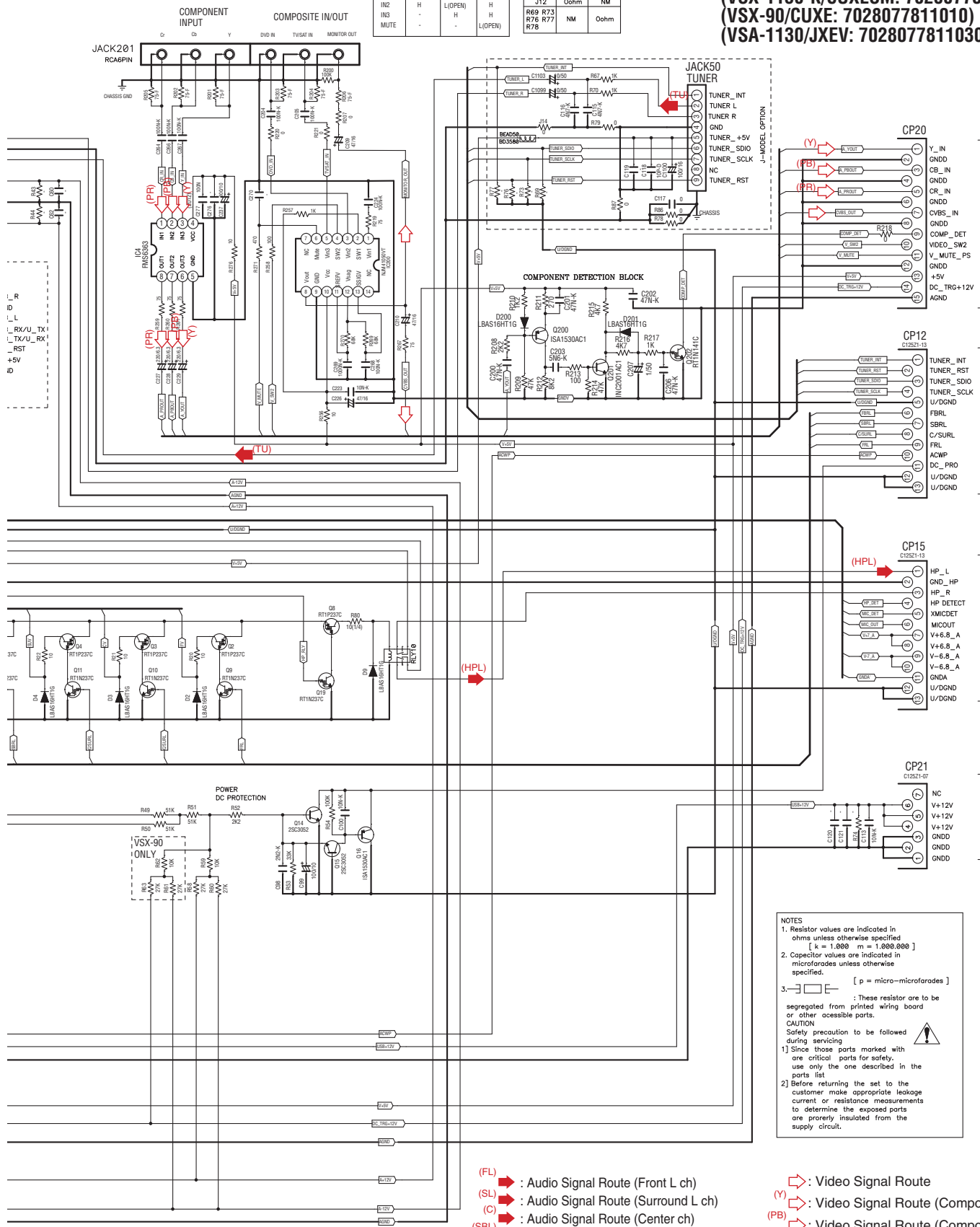
(VSX-1130-K/CUXESM: 7028077811040)
 (VSX-90/CUXE: 7028077811010)
 (VSA-1130/JXEV: 7028077811030)

NJM41050VT LOGIC TABLE

	SW1	SW2	MUTE
IN2	H	L(OPEN)	H
IN3	-	-	H
MUTE	-	-	L(OPEN)

MODEL DISCRIMINATION

	J12	OTHERS	J MODEL
R69	R73	Oohm	NM
R76	R77	NM	Oohm
R78			



NOTES

- Resistor values are indicated in ohms unless otherwise specified [k = 1.000 m = 1.000.000]
- Capacitor values are indicated in microfarads unless otherwise specified. [p = micro-microfarads]
- : These resistor are to be segregated from printed wiring board or other accessible parts.

CAUTION
 Safety precaution to be followed during servicing

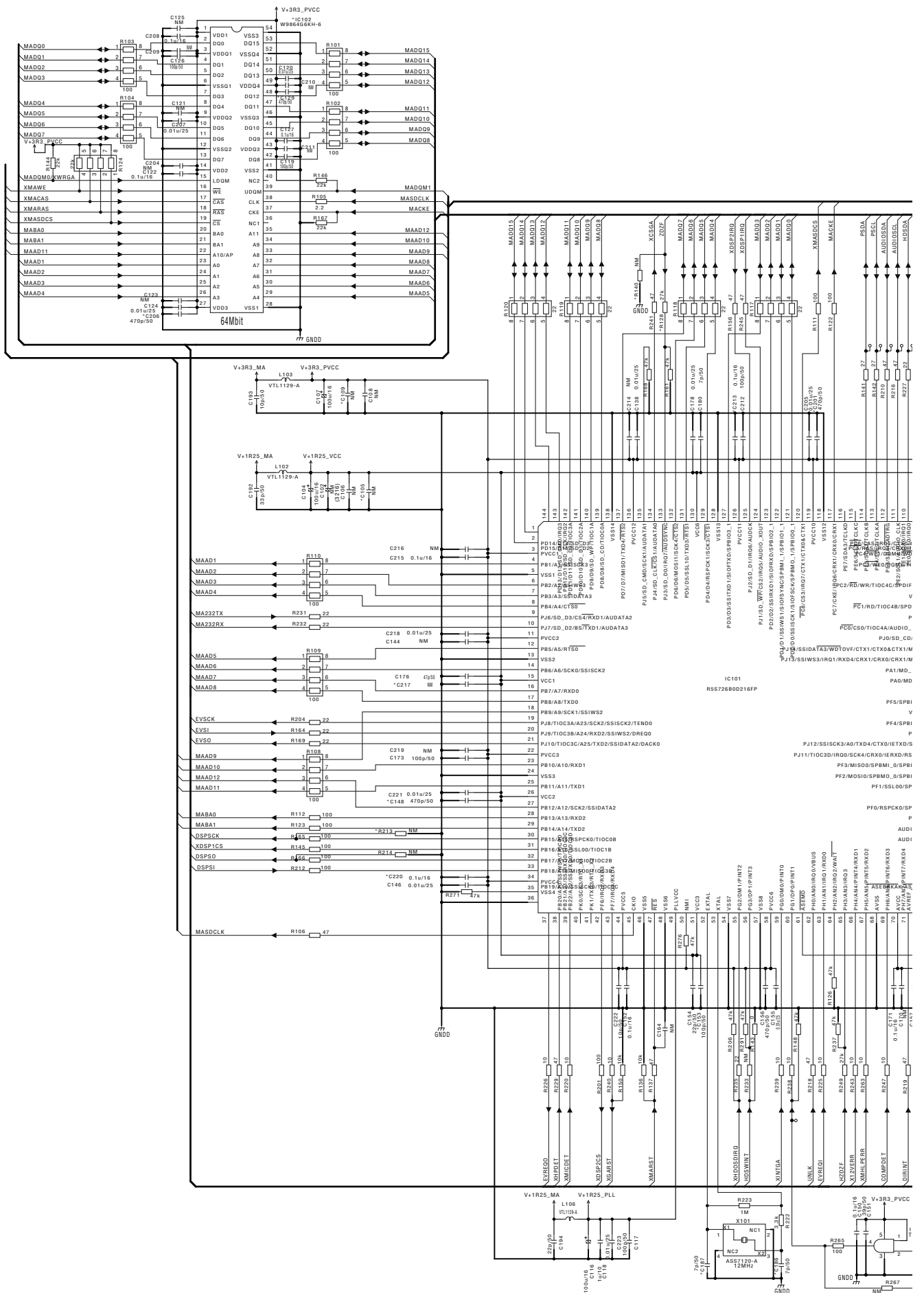
- Since those parts marked with are critical parts for safety, use only the one described in the parts list
- Before returning the set to the customer make appropriate leakage current or resistance measurements to determine the exposed parts are properly insulated from the supply circuit.

- (FL) : Audio Signal Route (Front L ch)
- (SL) : Audio Signal Route (Surround L ch)
- (C) : Audio Signal Route (Center ch)
- (SBL) : Audio Signal Route (Surround Back L ch)
- (FH) : Audio Signal Route (Front Height L ch)
- (TU) : Audio Signal Route (Tuner L ch)
- (HPL) : Audio Signal Route (Headphone L ch)
- : Video Signal Route
- (Y) : Video Signal Route (Component Y)
- (PB) : Video Signal Route (Component PB)
- (PR) : Video Signal Route (Component PR)

ENT
 PROTECTION AGAINST RISK OF FIRE,
 AME TYPE AND RATINGS OF FUSE.



10.3 DMAIN ASSY (1/11)

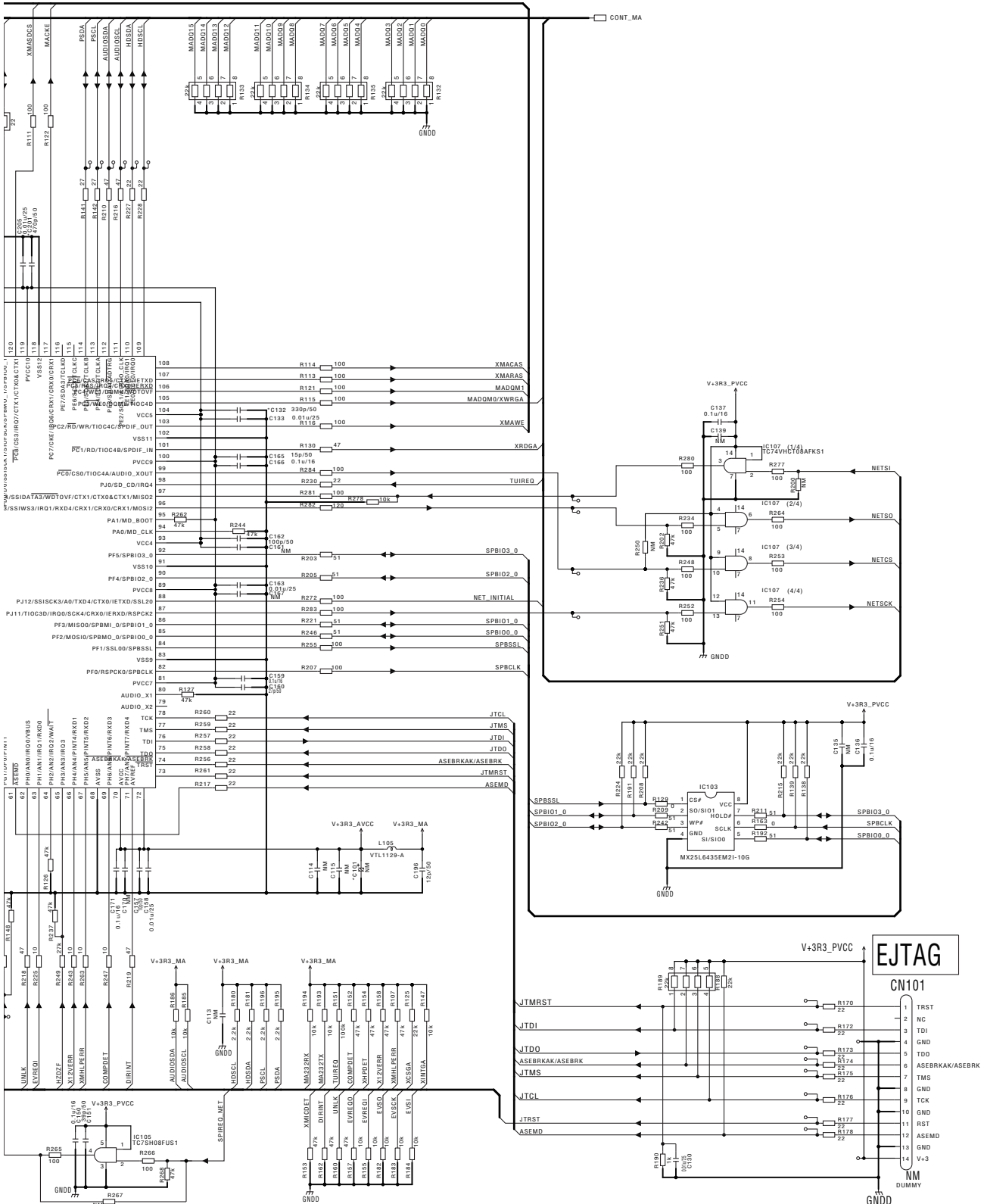


B1/11

VSX-1130-K

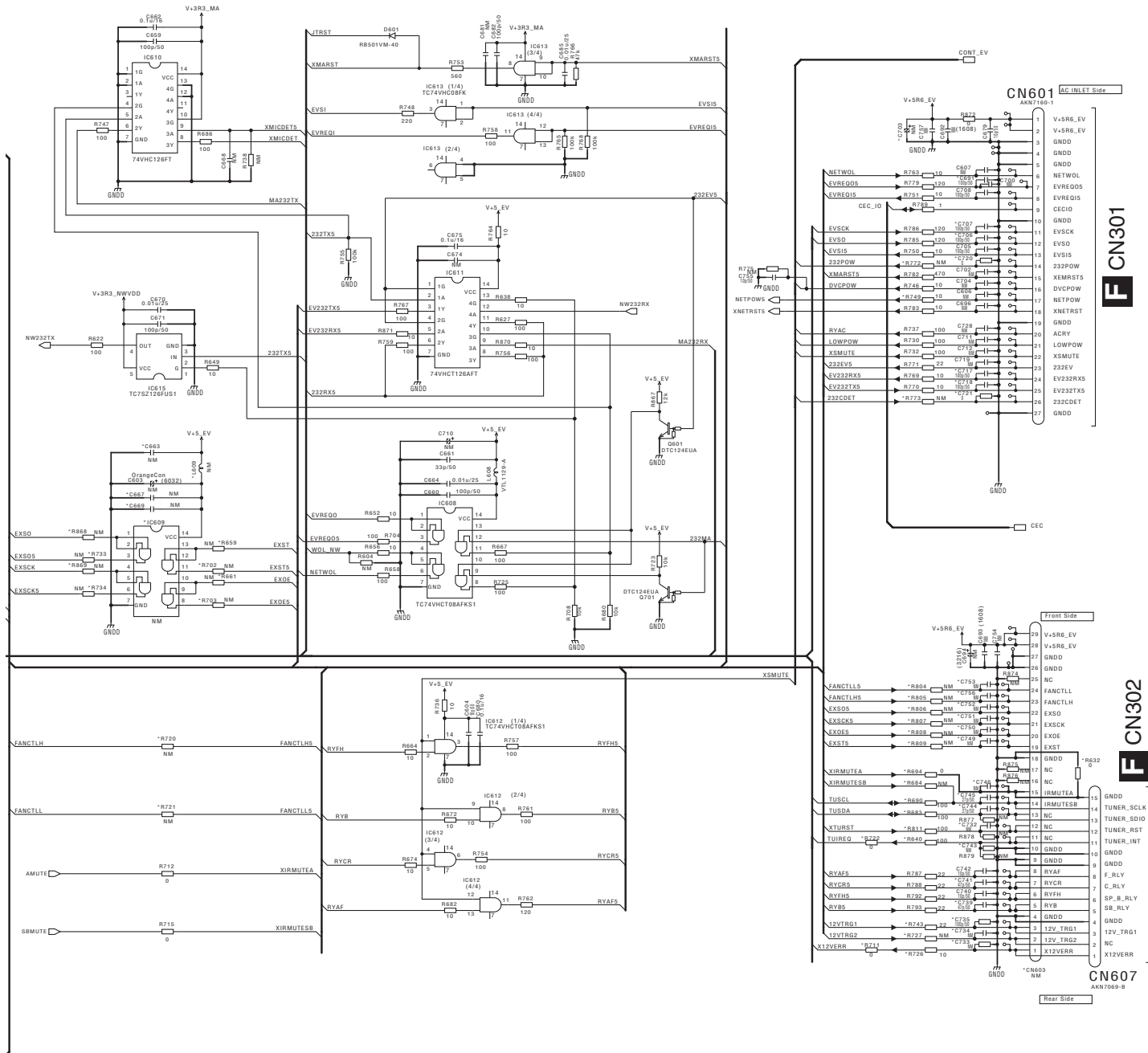
B1/11 DMAIN ASSY
 (VSX-1130-K/CUXESM: 7028077871040)
 (VSX-90/CUXE: 7028077871010)
 (VSA-1130/JXEV: 7028077871030)

A
B
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E
F



VSX-1130-K

B2/11 DMAIN ASSY
 (VSX-1130-K/CUXESM: 7028077871040)
 (VSX-90/CUXE: 7028077871010)
 (VSA-1130/JXEV: 7028077871030)

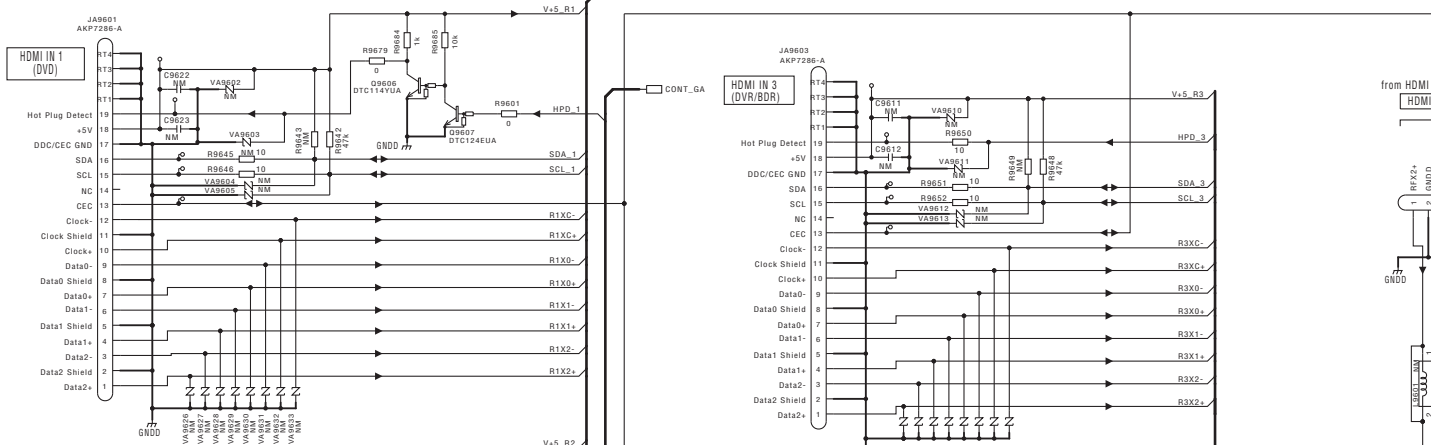


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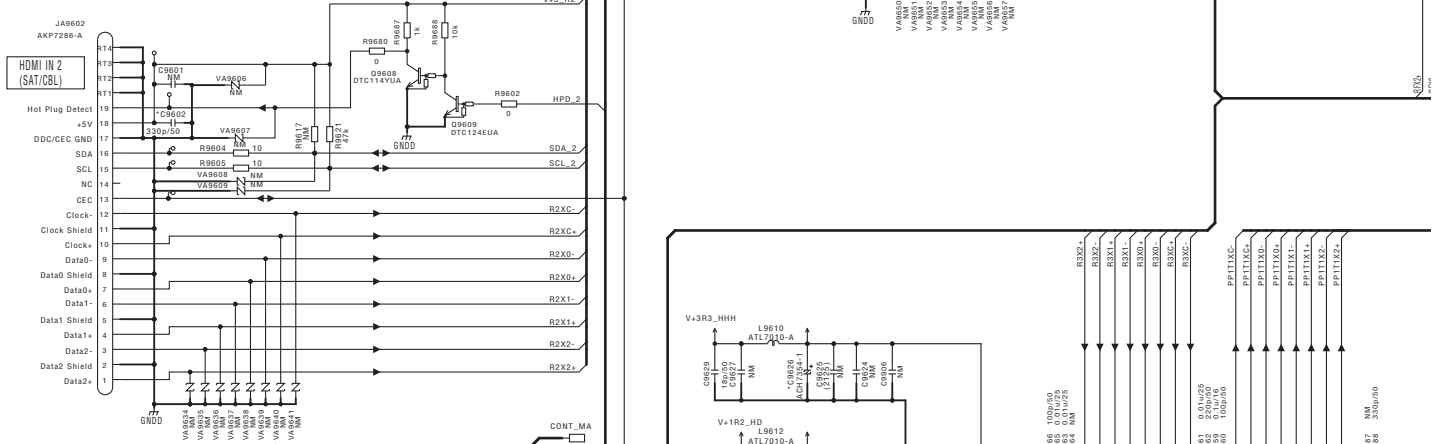
10.5 DMAIN ASSY (3/11)

1 2 3 4

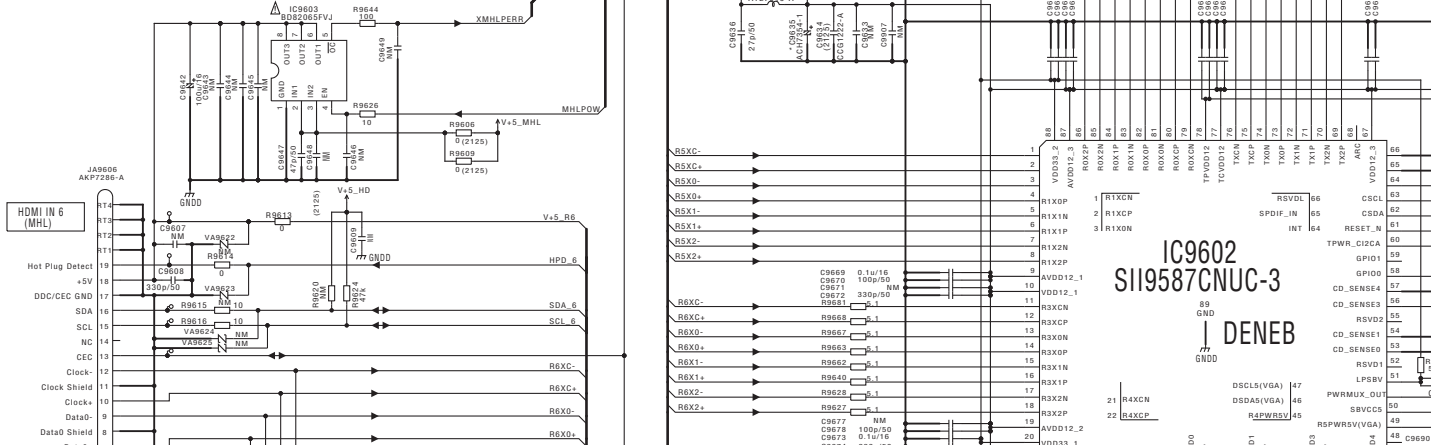
A



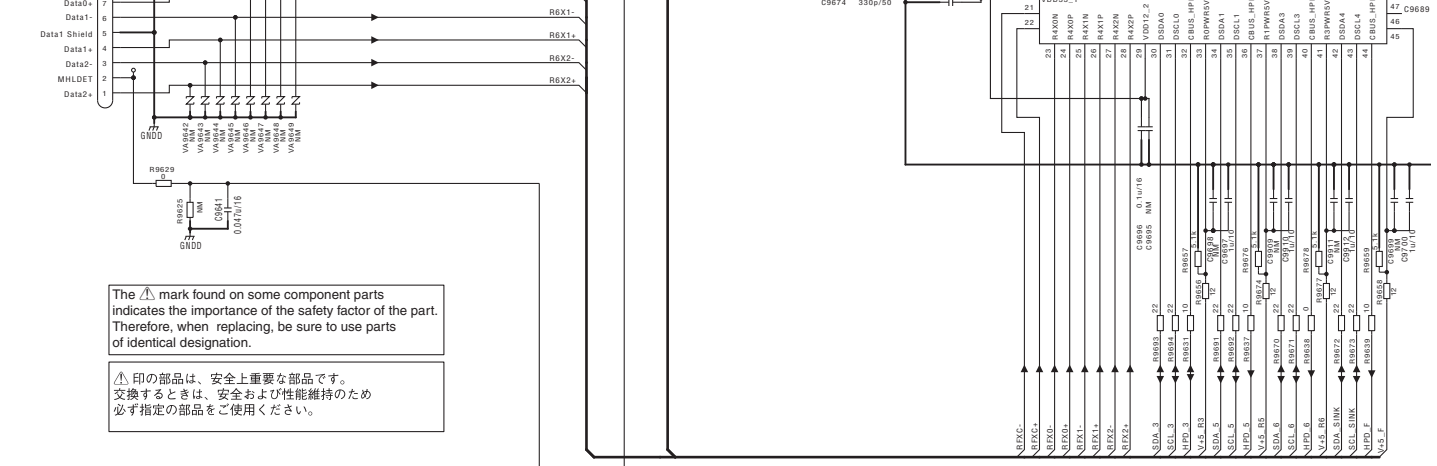
B



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The Δ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.

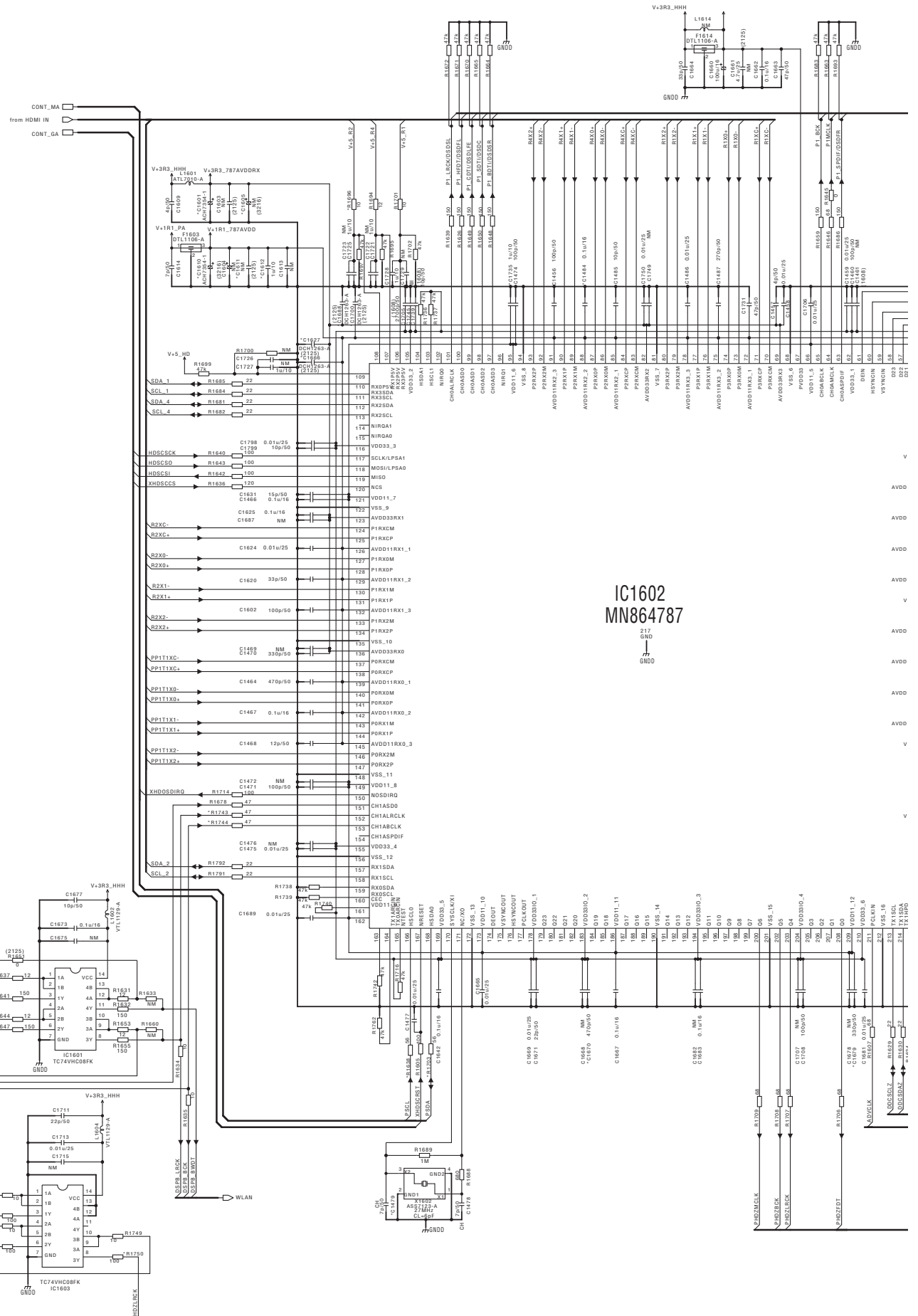
Δ 印の部品は、安全上重要な部品です。交換するときは、安全および性能維持のため必ず指定の部品をご使用ください。

F

B3/11

1 2 3 4

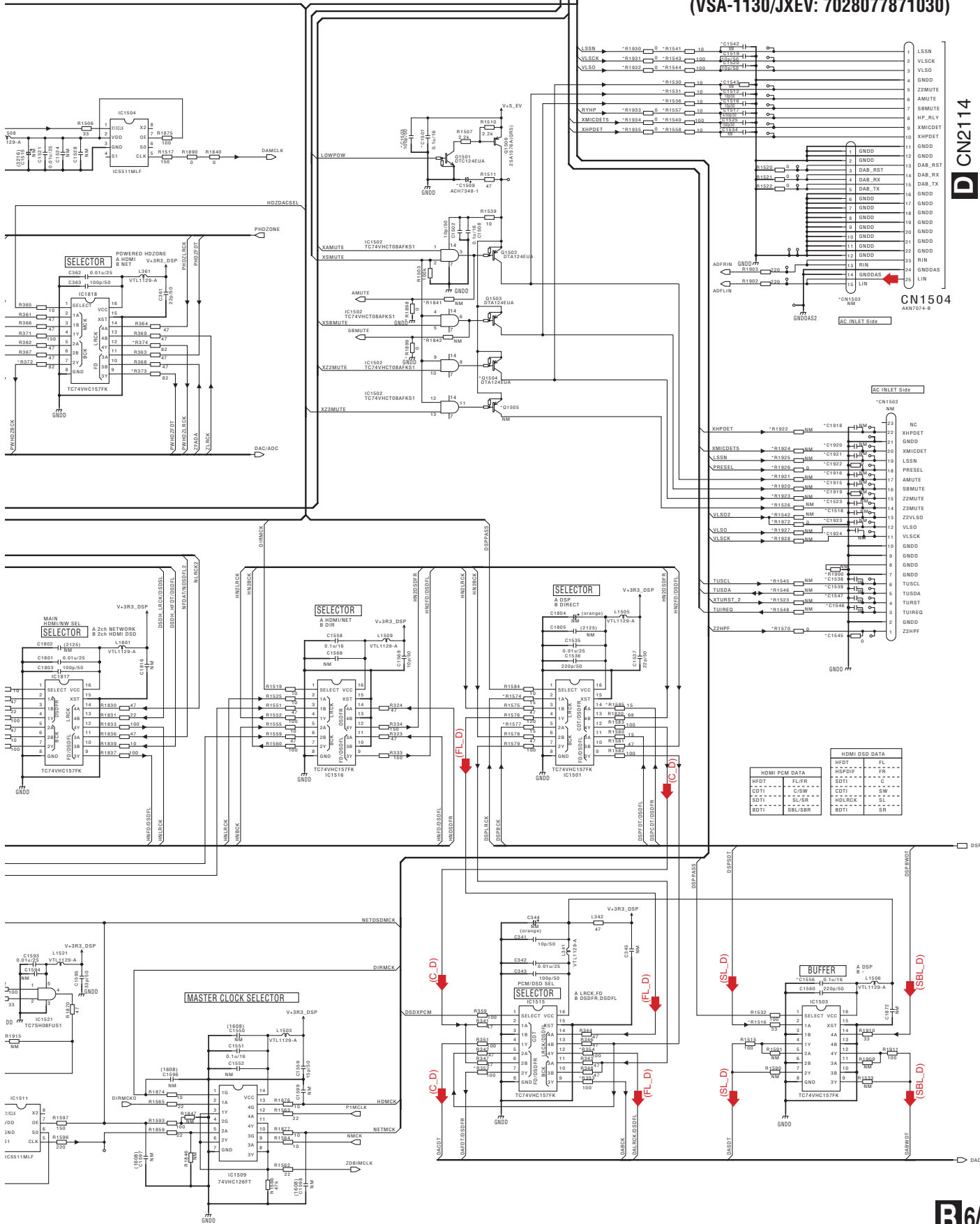
10.7 DMAIN ASSY (5/11)



IC1602
MN864787
217 GND
GND

B6/11 DMAIN ASSY
 (VSX-1130-K/CUXESM: 7028077871040)
 (VSX-90/CUXE: 7028077871010)
 (VSA-1130/JXEV: 7028077871030)

D CN2114



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10.9 DMAIN ASSY (7/11)

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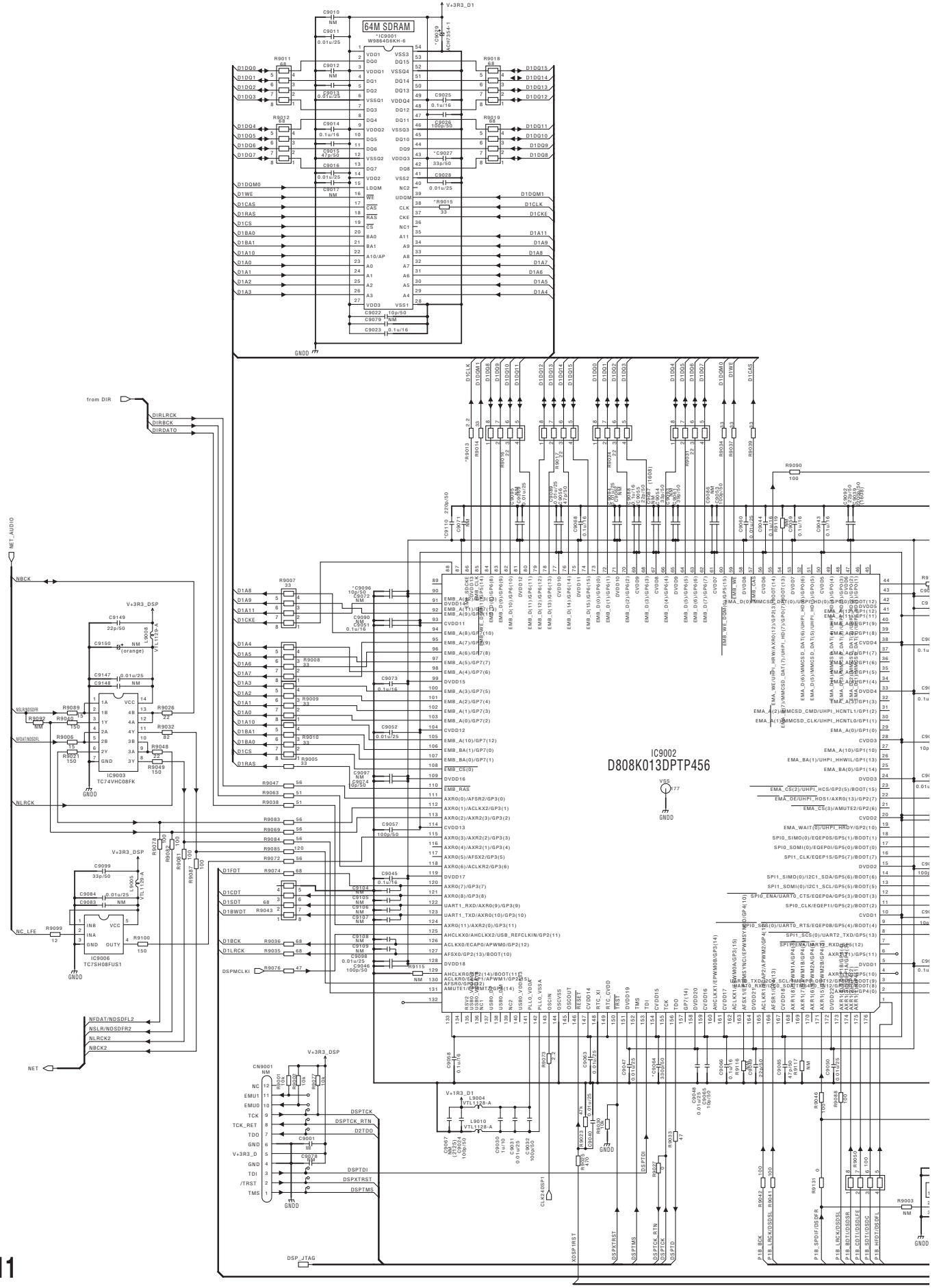
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VSX-1130-K

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10.10 DMAIN ASSY (8/11)

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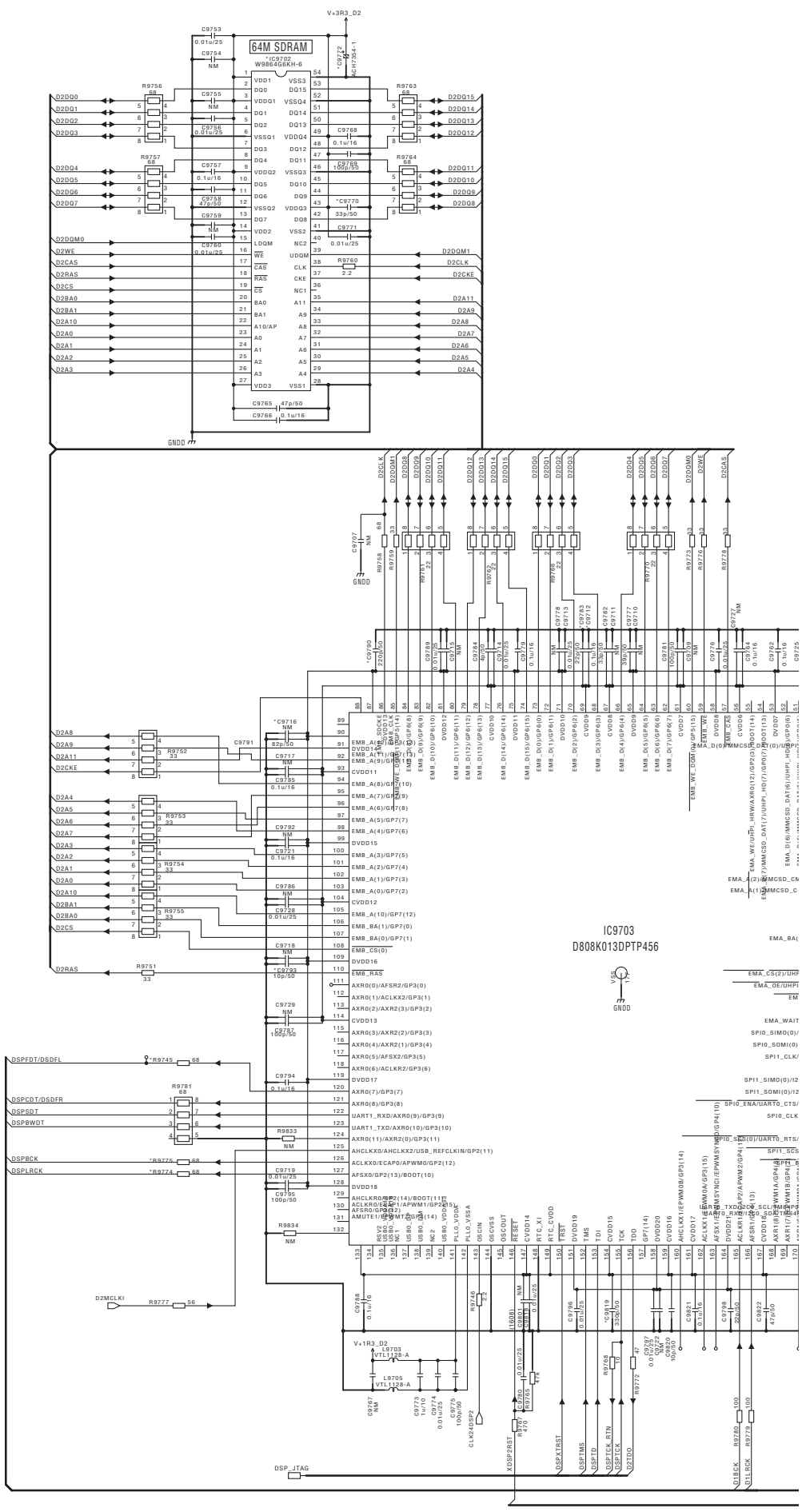
B

C

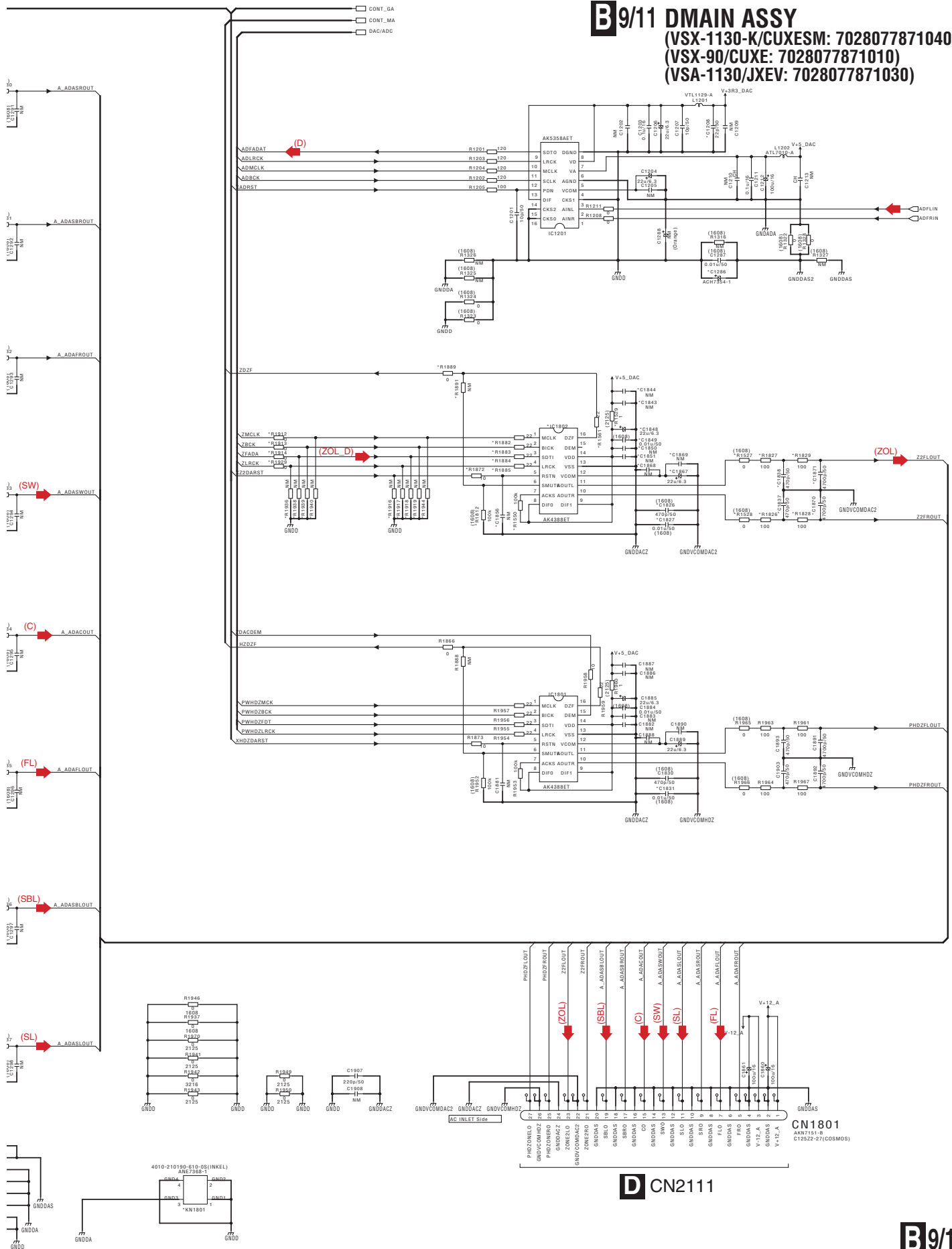
D

E

F



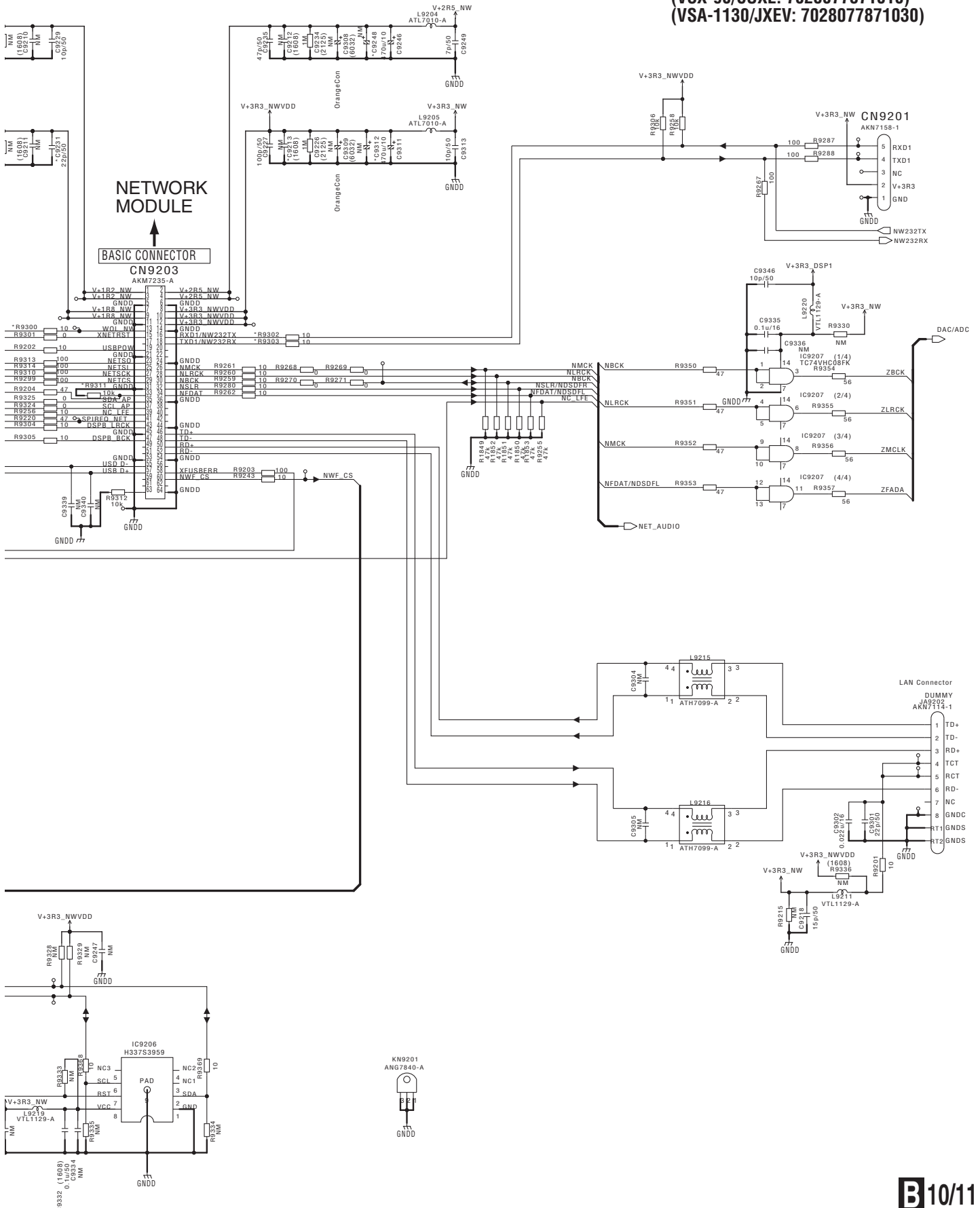
B 9/11 DMAIN ASSY
 (VSX-1130-K/CUXESM: 7028077871040)
 (VSX-90/CUXE: 7028077871010)
 (VSA-1130/JXEV: 7028077871030)



A
B
C
D
E
F

B 10/11 DMAIN ASSY
 (VSX-1130-K/CUXESM: 7028077871040)
 (VSX-90/CUXE: 7028077871010)
 (VSA-1130/JXEV: 7028077871030)

A
B
C
D
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Contrast Table for DMAIN ASSY

AWX2006 (REG-H_CU_ELITE): VSX-90/CUXE
 AWX2187 (REG-H_CU): VSX-1130-K/CUXESM
 AWX2188 (REG-H_SY): VSX-1130-K/SYXEV8, VSX-930-K/SYXEV8, VSX-930-S/SYXEV8
 AWX2189 (REG-H_JP): VSA-1130/JXE
 AWX2190 (REG-H_DL): VSX-930-K/FXE, VSX-930-K/DLXE, VSX-930-K/AXQ5

B1/11

	AWX2006 (REG-H_CU_ELITE)	AWX2187 (REG-H_CU)	AWX2188 (REG-H_SY)	AWX2189 (REG-H_JP)	AWX2190 (REG-H_DL)
C101	NM	NM	100u/16	100u/16	NM
C105	NM	NM	10p/50	10p/50	NM
C109	NM	NM	8p/50	8p/50	NM
C129	470p/50	470p/50	27p/50	27p/50	470p/50
C132	330p/50	330p/50	12p/50	12p/50	330p/50
C148	470p/50	470p/50	8p/50	8p/50	470p/50
C153	100p/50	100p/50	0.01u/25	0.01u/25	100p/50
C201	470p/50	470p/50	220p/50	220p/50	470p/50
C206	470p/50	470p/50	10p/50	10p/50	470p/50
C213	0.1u/16	0.1u/16	0.01u/25	0.01u/25	0.1u/16
C217	NM	NM	0.01u/25	0.01u/25	NM
C220	0.1u/16	0.1u/16	NM	NM	0.1u/16
R128	27k	NM	NM	NM	NM
R140	NM	0	0	0	0
R213	NM	NM	47k	47k	NM

B2/11

	AWX2006 (REG-H_CU_ELITE)	AWX2187 (REG-H_CU)	AWX2188 (REG-H_SY)	AWX2189 (REG-H_JP)	AWX2190 (REG-H_DL)
C613	330p/50	330p/50	150p/50	150p/50	330p/50
C614	NM	NM	CCH1814-A	CCH1814-A	NM
C627	470p/50	470p/50	100p/50	100p/50	470p/50
C636	100p/50	100p/50	0.01u/25	0.01u/25	100p/50
C680	0.1u/16	0.1u/16	0.01u/25	0.01u/25	0.1u/16
C691	100p/50	100p/50	NM	NM	100p/50
C703	NM	NM	100u/16	100u/16	NM
C706	100p/50	100p/50	NM	NM	100p/50
C707	100p/50	100p/50	NM	NM	100p/50
C717	100p/50	100p/50	47p/50	47p/50	100p/50
C718	100p/50	100p/50	47p/50	47p/50	100p/50
C739	47p/50	47p/50	8p/50	8p/50	47p/50
C741	47p/50	47p/50	8p/50	8p/50	47p/50
C733	NM	0	0	0	0
C735	100p/50	0	0	0	0
C743	NM	NM	NM	0	NM
R640	100	100	10	0	100
R648	100k	0	0	0	0
R653	100	NM	NM	NM	NM
R683	100	100	10	NM	100
R690	100	100	10	NM	100
R697	0	0	100	100	0
R706	47k	0	0	0	0
R711	0	NM	NM	NM	NM
R722	0	0	0	NM	0
R726	10	0	0	0	0
R731	10	10	100	100	10
R739	NM	100k	100k	100k	100k
R740	10	10	100	100	10
R743	22	0	0	0	0
R749	10	10	10	12	10
R811	100	100	10	NM	100
R845	NM	47k	47k	47k	47k
R847	100	NM	NM	NM	NM
R886	10	10	47	47	10

B3/11

	AWX2006 (REG-H_CU_ELITE)	AWX2187 (REG-H_CU)	AWX2188 (REG-H_SY)	AWX2189 (REG-H_JP)	AWX2190 (REG-H_DL)
C9602	330p/50	330p/50	100p/50	100p/50	330p/50
C9604	330p/50	330p/50	NM	NM	330p/50

B4/11

	AWX2006 (REG-H_CU_ELITE)	AWX2187 (REG-H_CU)	AWX2188 (REG-H_SY)	AWX2189 (REG-H_JP)	AWX2190 (REG-H_DL)
C904	NM	NM	22p/50	22p/50	NM
C905	22p/50	22p/50	22p/50	7p/50	22p/50
C906	0.1u/16	0.1u/16	NM	NM	0.1u/16
C907	NM	NM	0.01u/25	0.01u/25	NM
C1010	0.1u/16	0.1u/16	0.01u/25	0.01u/25	0.1u/16
C1035	330p/50	330p/50	470p/50	470p/50	330p/50
R913	68	68	100	100	68
R914	68	68	100	100	68
R918	68	68	100	100	68
R919	68	68	100	100	68
R922	22	22	68	68	22
R923	68	68	100	100	68

B5/11

	AWX2006 (REG-H_CU_ELITE)	AWX2187 (REG-H_CU)	AWX2188 (REG-H_SY)	AWX2189 (REG-H_JP)	AWX2190 (REG-H_DL)
C1484	0.1u/16	0.1u/16	0.01u/25	0.01u/25	0.1u/16
C1605	NM	NM	CCH1814-A	CCH1814-A	NM
C1611	NM	NM	VCG1072-A	VCG1072-A	NM
C1612	1u/10	1u/10	NM	NM	1u/10
C1627	DCH1263-A	DCH1263-A	ACG7115-A	ACG7115-A	DCH1263-A
C1633	1u/25	1u/25	ACG7117-A	ACG7117-A	1u/25
C1637	33p/50	33p/50	33p/50	33p/50	33p/50
C1654	NM	NM	ACH7306-A	ACH7306-A	NM
C1656	NM	NM	1u/25	1u/25	NM
C1657	1u/10	1u/10	NM	NM	1u/10
C1666	DCH1263-A	DCH1263-A	ACG7115-A	ACG7115-A	DCH1263-A
C1670	470p/50	470p/50	220p/50	220p/50	470p/50
C1679	330p/50	330p/50	0.01u/25	0.01u/25	330p/50
C1684	0.1u/16	0.1u/16	0.01u/25	0.01u/25	0.1u/16
C1688	DCH1263-A	DCH1263-A	ACG7115-A	ACG7115-A	DCH1263-A
C1700	DCH1263-A	DCH1263-A	ACG7115-A	ACG7115-A	DCH1263-A
C1714	1u/25	1u/25	ACG7117-A	ACG7117-A	1u/25
C1718	0.1u/16	0.1u/16	0.01u/25	0.01u/25	0.1u/16
C1735	1u/10	1u/10	0.01u/25	0.01u/25	1u/10
R1638	56	56	68	68	56
R1661	1.2k	1.2k	39k	39k	1.2k
R1662	39k	39k	1.2k	1.2k	39k
R1696	10	10	12	12	10
R1703	56	56	68	68	56
R1717	47	47	56	56	47
R1718	47	47	56	56	47
R1719	47	47	56	56	47
R1743	47	47	56	56	47
R1744	47	47	56	56	47
R1746	100	100	150	150	100
R1748	100	100	150	150	100
R1750	100	100	150	150	100

B6/11

	AWX2006 (REG-H_CU_ELITE)	AWX2187 (REG-H_CU)	AWX2188 (REG-H_SY)	AWX2189 (REG-H_JP)	AWX2190 (REG-H_DL)
C1501	0.1u/16	0.1u/16	NM	NM	0.1u/16
C1503	100p/50	100p/50	NM	NM	100p/50
C1556	0.1u/16	0.1u/16	0.01u/25	0.01u/25	0.1u/16
C1543	NM	0	0	0	0
C1919	NM	0	0	0	0
R352	100	100	110	110	100
R353	100	100	110	110	100
R354	100	100	110	110	100
R372	82	82	120	120	82
R373	82	82	120	120	82
R374	82	82	120	120	82
R1516	33	33	47	47	33
R1530	10	0	0	0	0
R1534	0	0	5.6	5.6	0
R1574	15	15	22	22	15
R1577	15	15	22	22	15
R1585	15	15	22	22	15
R1923	NM	0	0	0	0
01504	DTA124EUA	NM	NM	NM	NM

B7/11

	AWX2006 (REG-H_CU_ELITE)	AWX2187 (REG-H_CU)	AWX2188 (REG-H_SY)	AWX2189 (REG-H_JP)	AWX2190 (REG-H_DL)
C9002	22p/50	22p/50	7p/50	7p/50	22p/50
C9006	DCH1201-A	DCH1201-A	NM	NM	DCH1201-A
C9027	33p/50	33p/50	27p/50	27p/50	33p/50
C9055	22p/50	22p/50	8p/50	8p/50	22p/50
C9064	330p/50	330p/50	100p/50	100p/50	330p/50
C9070	220p/50	220p/50	15p/50	15p/50	220p/50
C9096	10p/50	10p/50	0.01u/25	0.01u/25	10p/50
C9110	220p/50	220p/50	100p/50	100p/50	220p/50
C9111	NM	NM	NM	ACH7306-A	NM
R9013	2.2	2.2	68	68	2.2
R9015	33	33	2.2	2.2	33
R9059	47k	47k	NM	NM	47k
R9112	100	100	110	110	100
R9113	100	100	110	110	100

B 8/11

	AWX2006 (REG-H_CU_ELITE)	AWX2187 (REG-H_CU)	AWX2188 (REG-H_SY)	AWX2189 (REG-H_IP)	AWX2190 (REG-H_DL)
C9712	0.1u/16	0.1u/16	0.01u/25	0.01u/25	0.1u/16
C9716	NM	NM	0.01u/25	0.01u/25	NM
C9747	100u/16	100u/16	VCH1234-A	VCH1234-A	100u/16
C9770	33p/50	33p/50	27p/50	27p/50	33p/50
C9783	22p/50	22p/50	8p/50	8p/50	22p/50
C9790	220p/50	220p/50	0.1u/16	0.1u/16	220p/50
C9793	10p/50	10p/50	0.01u/25	0.01u/25	10p/50
C9819	330p/50	330p/50	100p/50	100p/50	330p/50
R9745	68	68	75	75	68
R9750	47	47	56	56	47
R9774	68	68	75	75	68
R9775	68	68	75	75	68
R9791	47	47	56	56	47
R9794	47k	47k	NM	NM	47k

B 9/11

	AWX2006 (REG-H_CU_ELITE)	AWX2187 (REG-H_CU)	AWX2188 (REG-H_SY)	AWX2189 (REG-H_IP)	AWX2190 (REG-H_DL)
C1208	22p/50	22p/50	NM	NM	22p/50
C1227	220p/50	220p/50	ACE7113-A	ACE7113-A	220p/50
C1233	330p/50	330p/50	ACE7113-A	ACE7113-A	330p/50
C1237	100p/50	100p/50	ACE7107-A	ACE7107-A	100p/50
C1238	100p/50	100p/50	ACE7107-A	ACE7107-A	100p/50
C1261	680p/50	680p/50	680p/50	560p/50	680p/50
C1262	680p/50	680p/50	680p/50	560p/50	680p/50
C1289	220p/50	220p/50	NM	NM	220p/50
C1826	470p/50	NM	NM	NM	NM
C1827	0.01u/50	NM	NM	NM	NM
C1831	0.01u/50	0.01u/50	NM	NM	0.01u/50
C1837	470p/50	NM	NM	NM	NM
C1838	470p/50	NM	NM	NM	NM
C1848	22u/6.3	NM	NM	NM	NM
C1849	0.01u/50	NM	NM	NM	NM
C1867	22u/6.3	NM	NM	NM	NM
C1870	4700p/50	NM	NM	NM	NM
C1871	4700p/50	NM	NM	NM	NM
C1904	330p/50	330p/50	NM	NM	330p/50
C1906	0.01u/50	0.01u/50	ACE7120-A	ACE7120-A	0.01u/50
R1214	0	0	1	1	0
R1330	33	33	39	39	33
R1331	33	33	39	39	33
R1332	33	33	39	39	33
R1333	33	33	39	33	33
R1334	33	33	39	39	33
R1335	33	33	39	39	33
R1336	33	33	39	39	33
R1337	33	33	39	39	33
R1527	0	NM	NM	NM	NM
R1528	0	NM	NM	NM	NM
R1529	1	NM	NM	NM	NM
R1550	100k	NM	NM	NM	NM
R1561	22	NM	NM	NM	NM
R1812	100k	NM	NM	NM	NM
R1826	100	NM	NM	NM	NM
R1827	100	NM	NM	NM	NM
R1828	100	NM	NM	NM	NM
R1829	100	NM	NM	NM	NM
R1872	10	NM	NM	NM	NM
R1882	22	NM	NM	NM	NM
R1883	22	NM	NM	NM	NM
R1884	22	NM	NM	NM	NM
R1885	22	NM	NM	NM	NM
R1889	0	NM	NM	NM	NM
R1912	0	NM	NM	NM	NM
R1913	0	NM	NM	NM	NM
R1914	0	NM	NM	NM	NM
R1916	NM	0	0	0	0
R1917	NM	0	0	0	0
R1918	NM	0	0	0	0
R1919	NM	0	0	0	0
R1929	0	NM	NM	NM	NM
R1936	NM	0	0	0	0
R1938	NM	0	0	0	0
R1939	NM	0	0	0	0
R1940	NM	0	0	0	0
R1944	NM	0	0	0	0
IC1802	AK4388ET	NM	NM	NM	NM

B 10/11

	AWX2006 (REG-H_CU_ELITE)	AWX2187 (REG-H_CU)	AWX2188 (REG-H_SY)	AWX2189 (REG-H_IP)	AWX2190 (REG-H_DL)
C9213	NM	NM	ACE7113-A	ACE7113-A	NM
C9231	22p/50	22p/50	22p/50	18p/50	22p/50
C9250	0.1u/50	0.1u/50	0.01u/50	0.01u/50	0.1u/50
C9314	ACH7354-1	ACH7354-1	VCH1234-A	VCH1234-A	ACH7354-1
C9228	NM	NM	1M	1M	NM
C9230	NM	NM	1M	1M	NM
R9300	10	10	22	22	10
R9302	10	10	100	100	10
R9303	10	10	100	100	10
R9308	0	0	47	47	0
R9311	10k	10k	47k	47k	10k

B 11/11

	AWX2006 (REG-H_CU_ELITE)	AWX2187 (REG-H_CU)	AWX2188 (REG-H_SY)	AWX2189 (REG-H_IP)	AWX2190 (REG-H_DL)
C402	0.1u/16	0.1u/16	0.01u/25	0.01u/25	0.1u/16
C403	10p/50	10p/50	NM	NM	10p/50
C408	100u/16	100u/16	VCH1234-A	VCH1234-A	100u/16
C412	10p/50	10p/50	10p/50	15p/50	10p/50
C455	10u/35	10u/35	CG61332-A	CG61332-A	10u/35
C458	10u/35	10u/35	CG61332-A	CG61332-A	10u/35
C464	0.1u/16	0.1u/16	0.022u/16	0.022u/16	0.1u/16
C465	10p/50	10p/50	4p/50	4p/50	10p/50
C476	NM	NM	ACE7100-A	ACE7100-A	NM
C496	10u/35	10u/35	CG61332-A	CG61332-A	10u/35
C591	33p/50	33p/50	NM	NM	33p/50
C9405	1u/25	1u/25	CG61325-A	CG61325-A	1u/25
C9422	10p/50	10p/50	NM	NM	10p/50
C9433	CG61222-A	CG61222-A	NM	NM	CG61222-A
C9460	1u/25	1u/25	CG61325-A	CG61325-A	1u/25
C9462	0.1u/50	0.1u/50	0.01u/50	0.01u/50	0.1u/50
C9463	0.1u/16	0.1u/16	0.01u/25	0.01u/25	0.1u/16
C9465	1u/25	1u/25	VCG1072-A	VCG1072-A	1u/25
C9468	1u/25	1u/25	VCG1072-A	VCG1072-A	1u/25
C9480	NM	NM	NM	ACH7306-A	NM
C9488	CG61222-A	CG61222-A	ACG7114-A	ACG7114-A	CG61222-A
C9513	100p/50	100p/50	7p/50	7p/50	100p/50
C9528	0.022u/16	0.022u/16	0.01u/25	0.01u/25	0.022u/16
C9543	0.01u/50	0.01u/50	NM	NM	0.01u/50
C9544	0.1u/50	0.1u/50	NM	NM	0.1u/50
C9549	10p/50	10p/50	NM	NM	10p/50
C9550	1u/25	1u/25	VCG1072-A	VCG1072-A	1u/25
C9563	1u/25	1u/25	CG61325-A	CG61325-A	1u/25
C9566	330p/50	330p/50	NM	NM	330p/50
C9568	NM	NM	330p/50	330p/50	NM
C9582	1u/25	1u/25	CG61325-A	CG61325-A	1u/25
C9590	1u/25	1u/25	CG61325-A	CG61325-A	1u/25
C9598	10p/50	10p/50	NM	NM	10p/50
R454	82k	82k	560k	560k	82k
R474	150k	150k	1M	1M	150k
R9409	4.7k	4.7k	47k	47k	4.7k
R9415	100k	100k	220k	220k	100k
R9419	100k	100k	220k	220k	100k
R9422	220k	220k	470k	470k	220k
R9426	100k	100k	220k	220k	100k
R9434	4.7k	4.7k	47k	47k	4.7k
R9438	100k	100k	220k	220k	100k
R9441	47k	47k	560k	560k	47k
R9445	5.6k	5.6k	56k	56k	5.6k
R9446	220k	220k	220k	240k	220k
R9450	NM	NM	180k	180k	NM
R9525	NM	NM	1M	1M	NM
R9567	NM	NM	NM	1M	NM
L451	ATH7096-A	ATH7096-A	ATH7105-A	ATH7105-A	ATH7105-A
L452	ATH7086-A	ATH7086-A	ATH7106-A	ATH7106-A	ATH7106-A
L453	ATH7092-A	ATH7092-A	ATH7107-A	ATH7107-A	ATH7107-A
L9407	ATH7086-A	ATH7086-A	ATH7106-A	ATH7106-A	ATH7106-A
L9410	ATH7092-A	ATH7092-A	ATH7107-A	ATH7107-A	ATH7107-A

10.14 OPTCO and BRIDGE ASSYS

D BRIDGE ASSY (VSX-1130-K/CUXESM, VSA-1130/JXEV: 7028077812020) (VSX-90/CUXE: 7028077812010)

B 6/11 CN1504

B 9/11 CN1801

B 6/11 CN1802

	SYXES_JXEV	0THES
R150	OPEN	0
R137	OPEN	10N

VSX-90 ONLY

E CP15

E CP14

VSX-1130-K

10.15 AUDIO ASSY

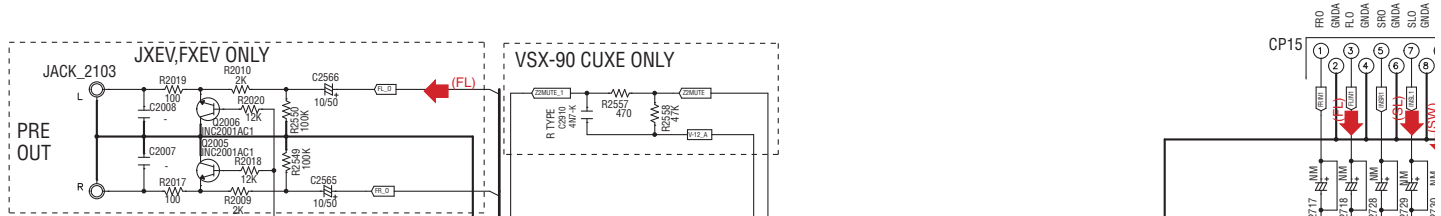
1

2

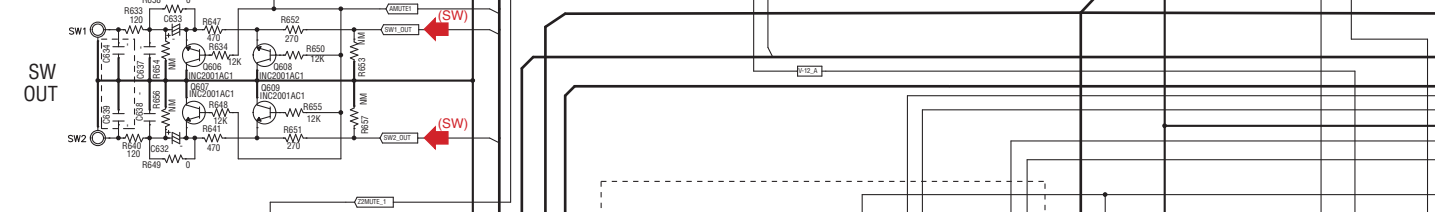
3

4

A



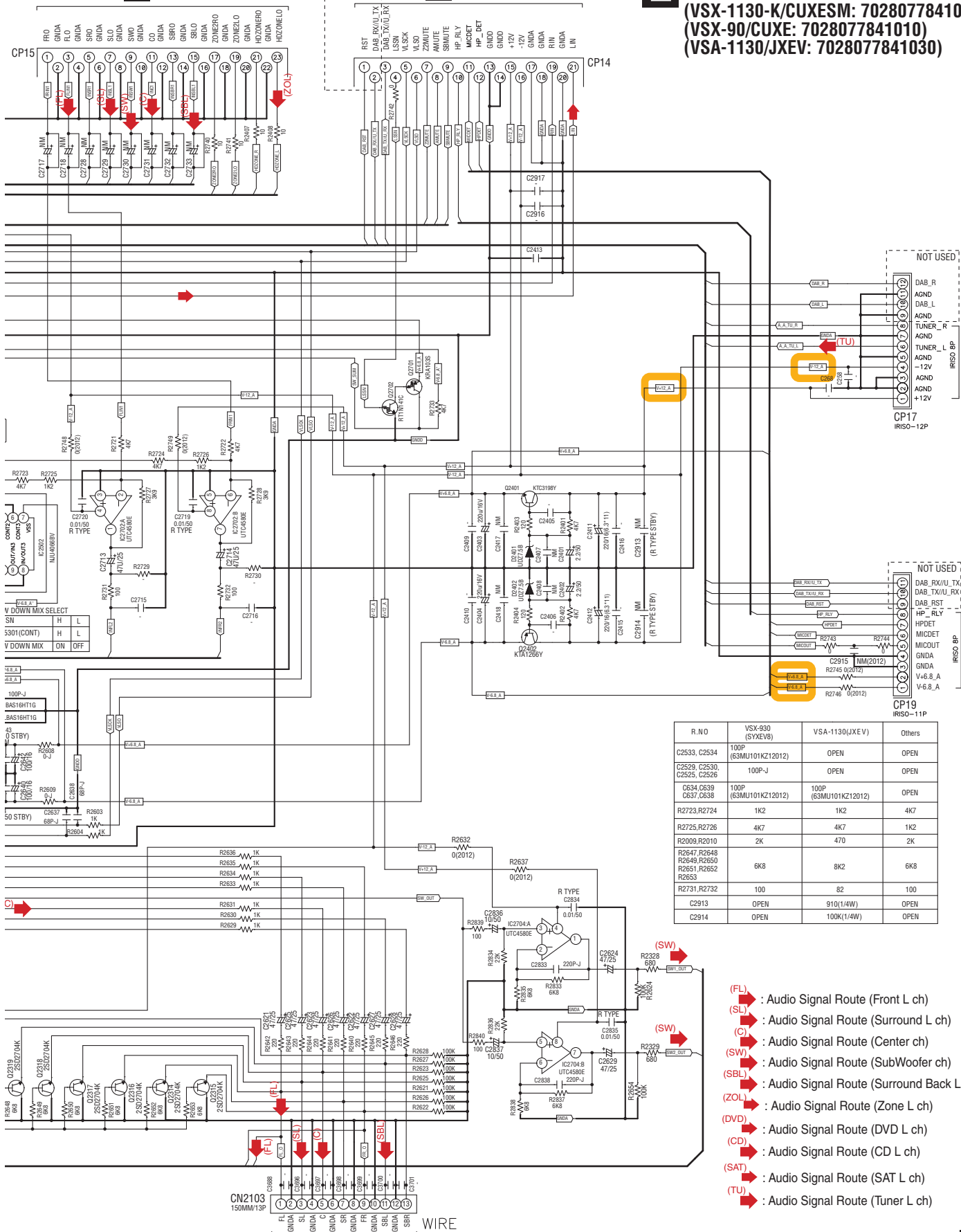
B



D CN2107

D CN2204

E AUDIO ASSY
 (VSX-1130-K/CUXESM: 7028077841040)
 (VSX-90/CUXE: 7028077841010)
 (VSA-1130/JXEV: 7028077841030)



R.N.O	VSX-930 (S1XEV8)	VSA-1130(JXEV)	Others
C2533, C2534	100P (63MU101KZ12012)	OPEN	OPEN
C2529, C2530, C2525, C2526	100P-J	OPEN	OPEN
C634, C639, C637, C638	100P (63MU101KZ12012)	100P (63MU101KZ12012)	OPEN
R2723, R2724	1K2	1K2	4K7
R2725, R2726	4K7	4K7	1K2
R2009, R2010	2K	470	2K
R2647, R2648, R2649, R2650, R2651, R2652, R2653	6K8	8K2	6K8
R2731, R2732	100	82	100
C2913	OPEN	910(1.4W)	OPEN
C2914	OPEN	100K(1.4W)	OPEN

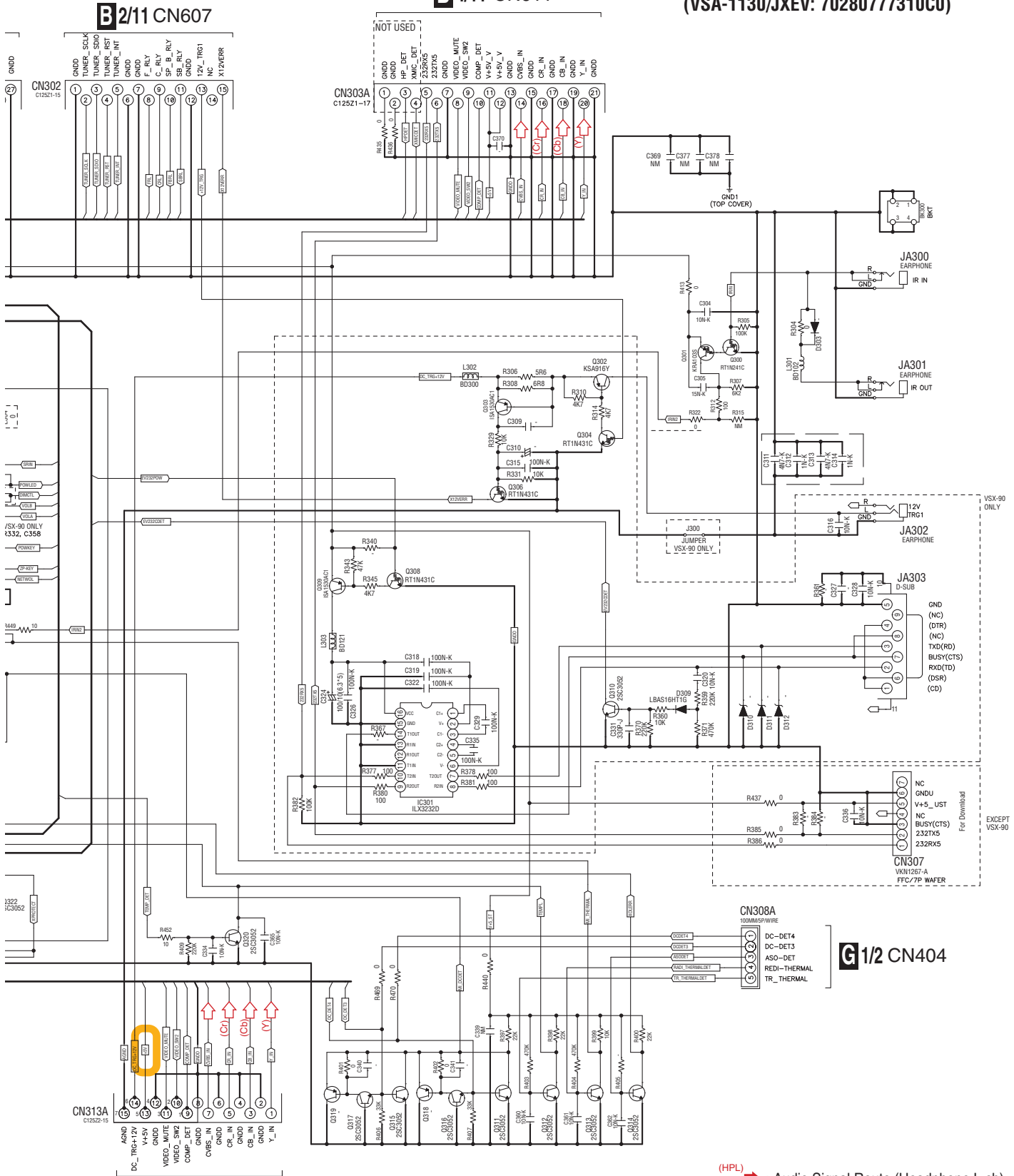
- (FL) : Audio Signal Route (Front L ch)
- (SL) : Audio Signal Route (Surround L ch)
- (C) : Audio Signal Route (Center ch)
- (SW) : Audio Signal Route (SubWoofer ch)
- (SBL) : Audio Signal Route (Surround Back L ch)
- (ZOL) : Audio Signal Route (Zone L ch)
- (DVD) : Audio Signal Route (DVD L ch)
- (CD) : Audio Signal Route (CD L ch)
- (SAT) : Audio Signal Route (SAT L ch)
- (TU) : Audio Signal Route (Tuner L ch)

G1/2 CP401

VSX-1130-K



F CPU ASSY
 (VSX-1130-K/CUXESM: 7028077310D0)
 (VSX-90/CUXE: 7028077310A0)
 (VSA-1130/JXEV: 7028077310C0)



B 2/11 CN607

B 4/11 CN611

A CP20

G 1/2 CN404

- ▶ : Audio Signal Route (Headphone L ch)
- ▶ : Video Signal Route
- ▶ : Video Signal Route (Y)
- ▶ : Video Signal Route (Cb)
- ▶ : Video Signal Route (Cr)

VSX-1130-K



10.17 AMP7 ASSY (1/2)

A

B

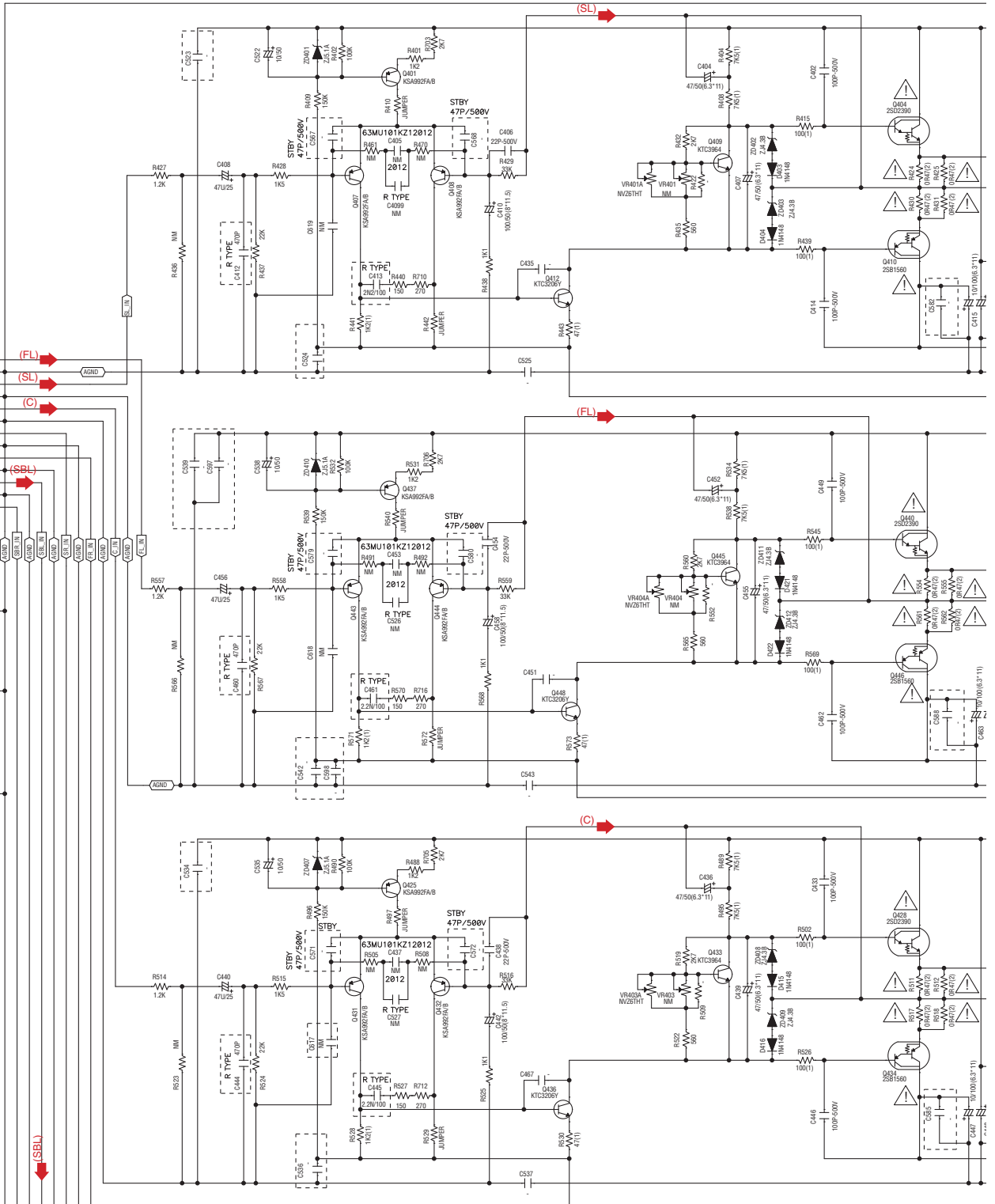
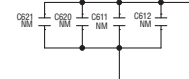
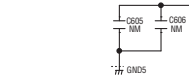
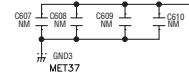
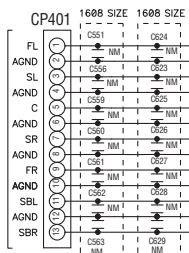
C

D

E

F

E CN2103



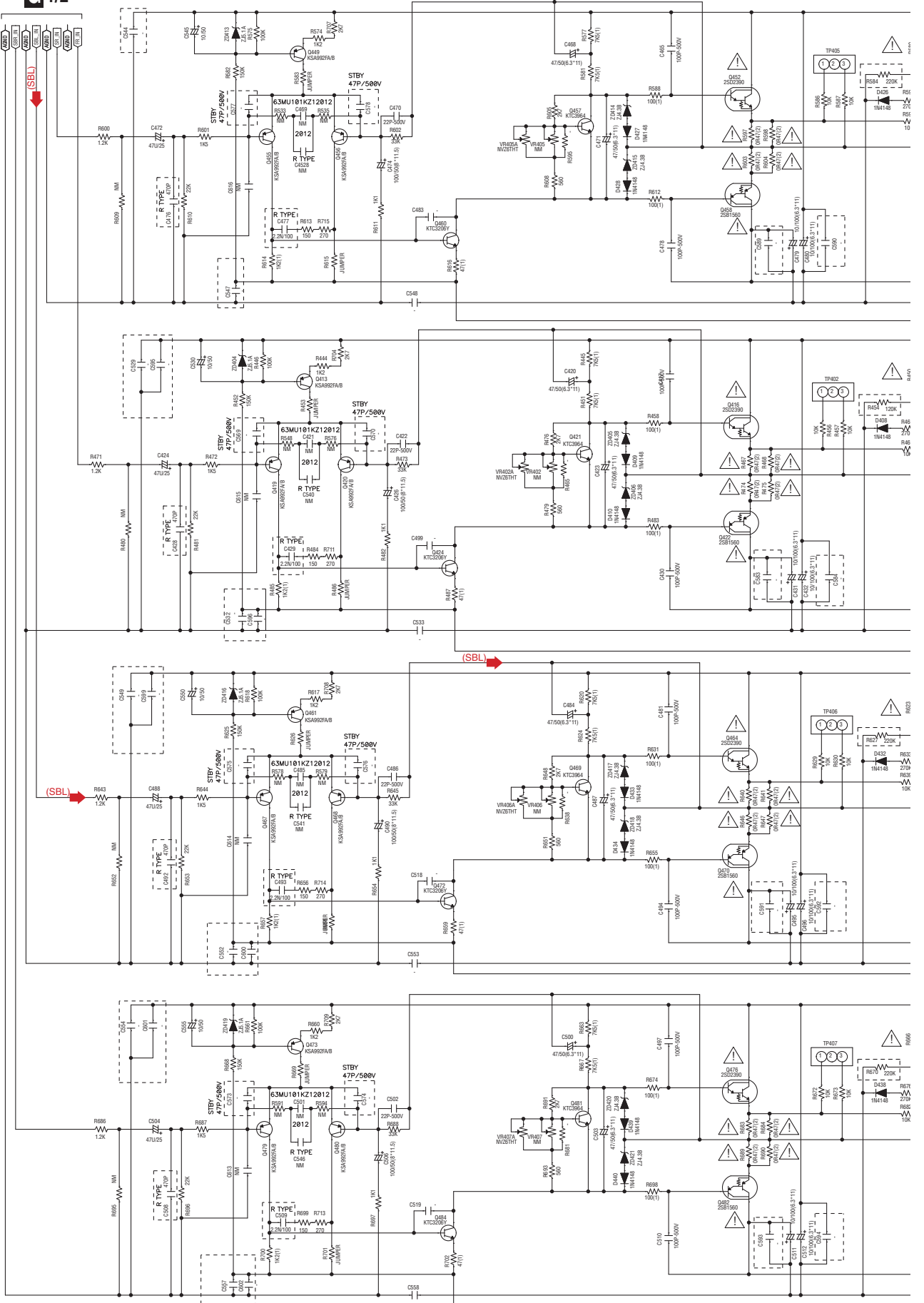
R.NO	SYXEV8	JXEV	OTHER	CU
C4099,C526,C527,C4528,C540,C541,C546	NM	NM	82P/500V	NM
C405,C453,C437,C469,C421,C485,C501	63MU101KZ12012	NM	NM	NM
R451,R470,R491,R492,R505,R508,R533,R535,R548,R576,R578,R579,R591,R594	10 ohm	NM	2.2 ohm	NM

G 2/2

G 1/2

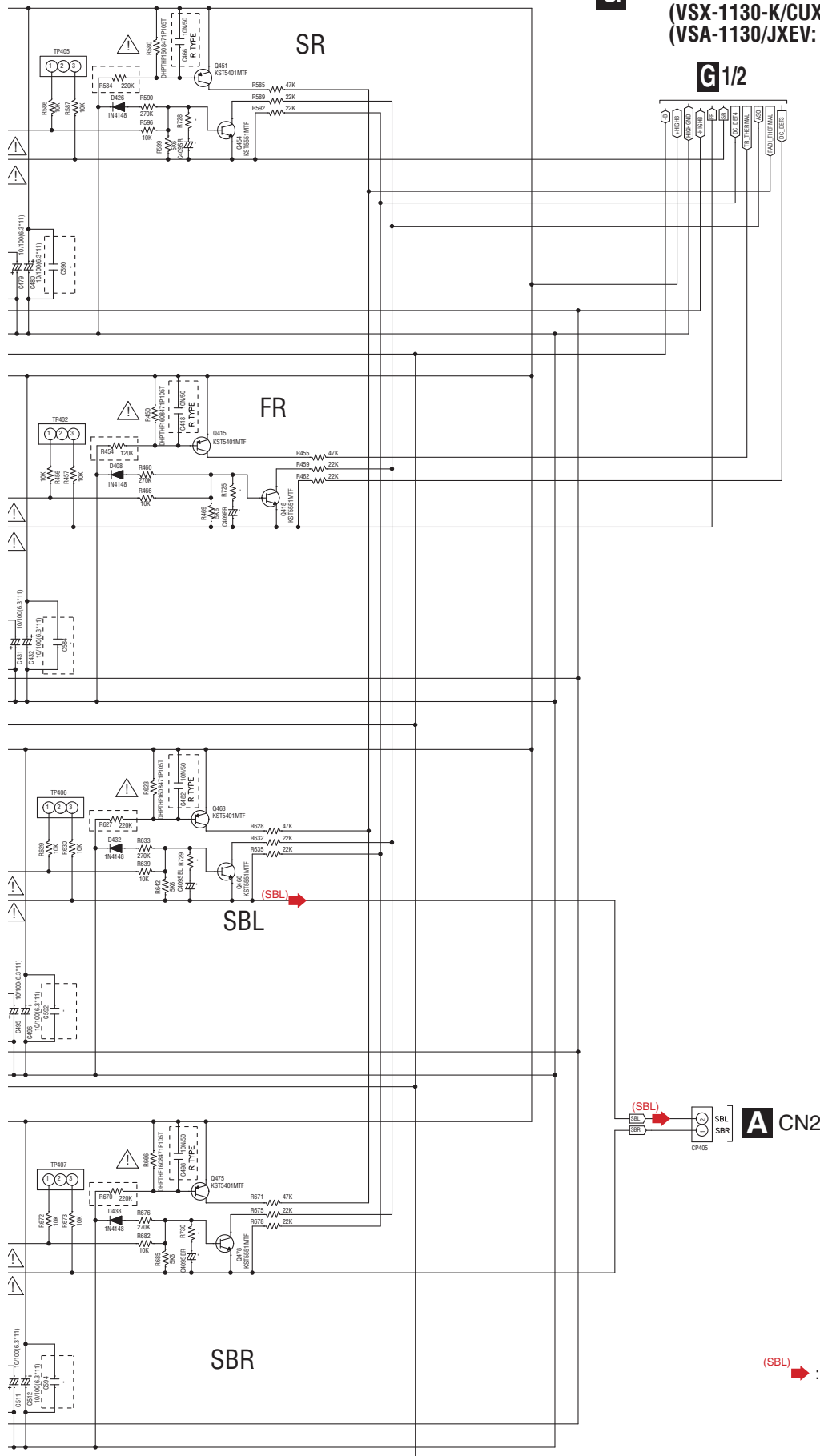
10.18 AMP7 ASSY (2/2)

G 1/2



G 2/2

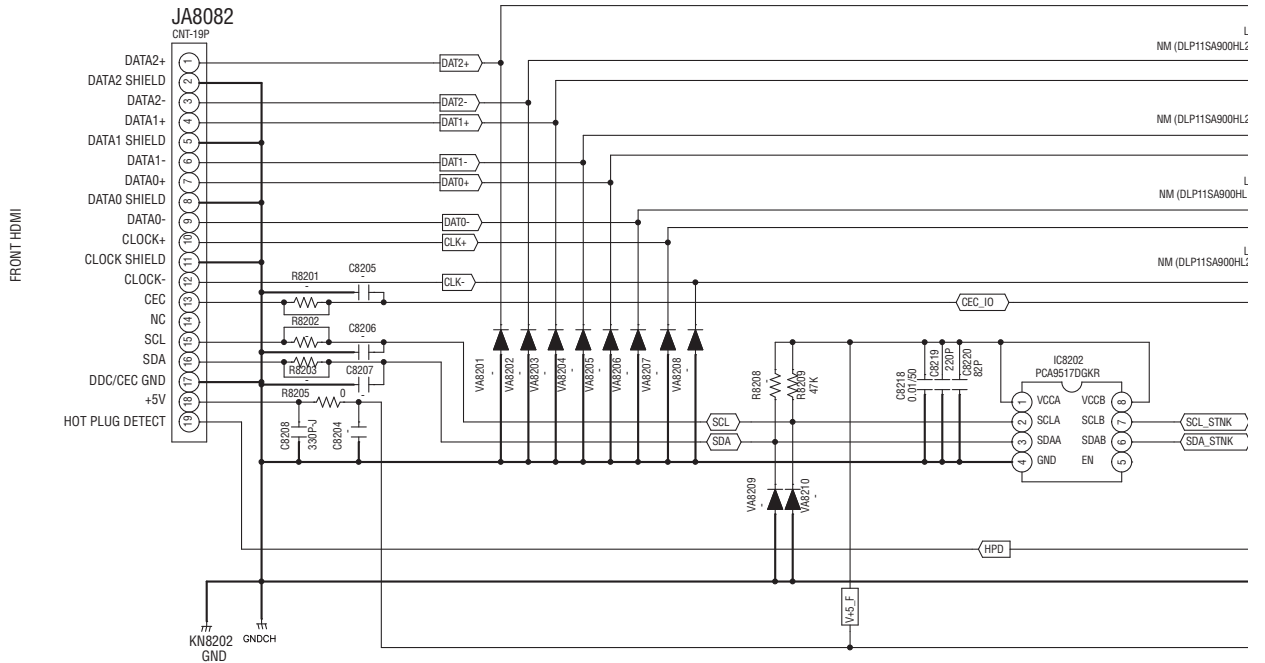
G2/2 AMP7 ASSY
 (VSX-1130-K/CUXESM, VSX-90/CUXE: 702807751010)
 (VSA-1130/JXEV: 702807751030)



(SBL) → : Audio Signal Route (Surround Back L ch)

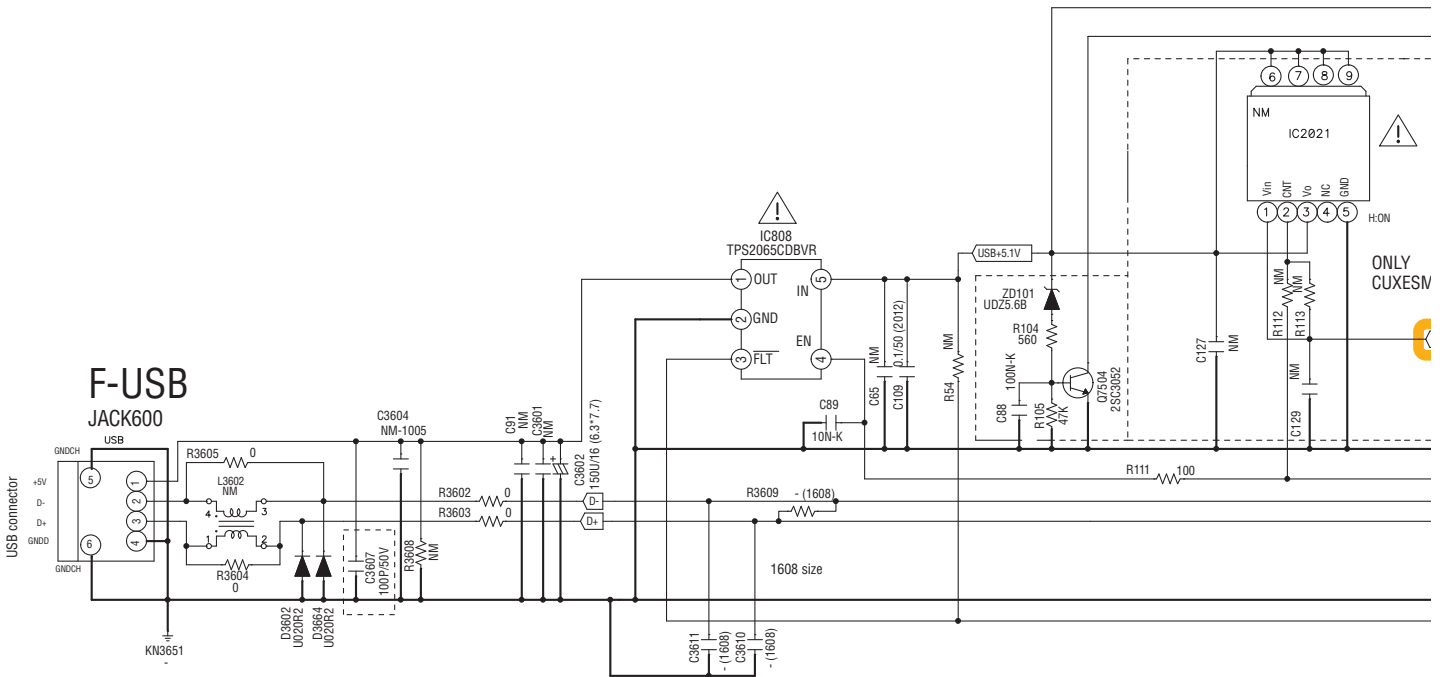
10.19 FHDMI ASSY

F-HDMI



F-USB

JACK600



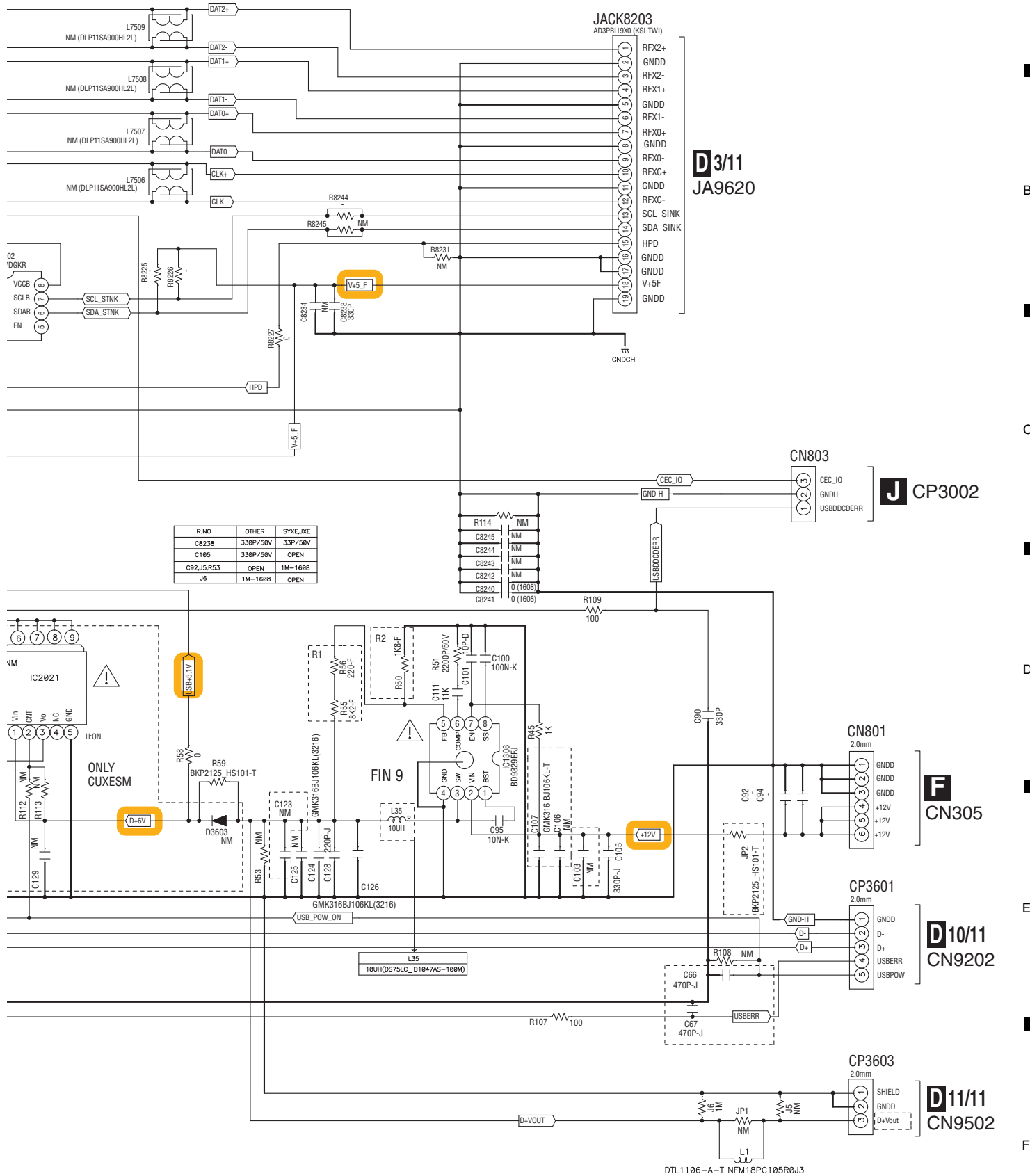
The \triangle mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.

\triangle 印の部品は、安全上重要な部品です。交換するときは、安全および性能維持のため必ず指定の部品をご使用ください。



H FHDMI ASSY

(VSX-1130-K/CUXESM, VSX-90/CUXE: 7028077881010)
 (VSA-1130/JXEV: 7028077881030)



J FRONT ASSY

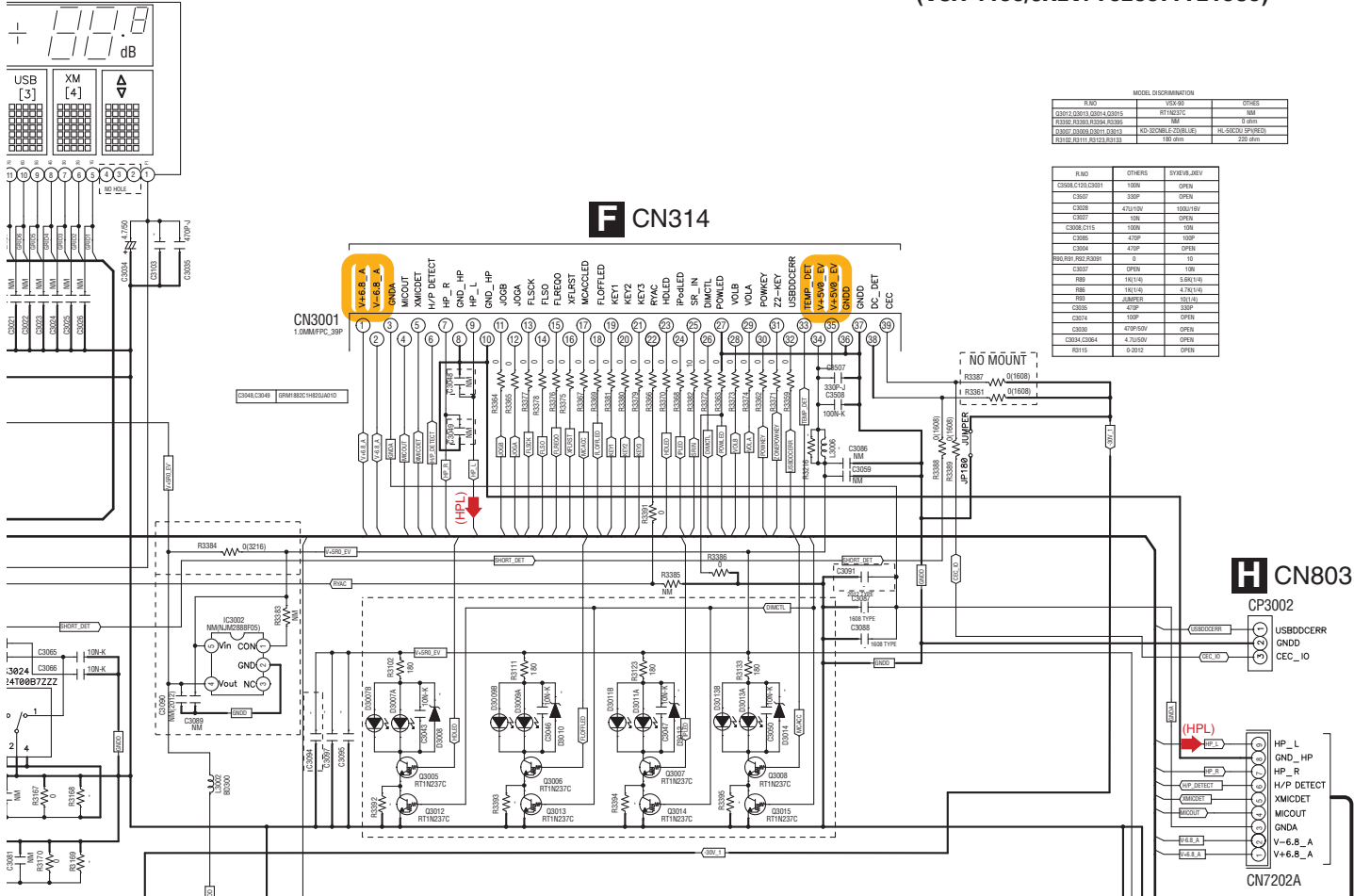
(VSX-1130-K/CUXESM: 7028077210D0)
 (VSX-90/CUXE: 7028077210A0)
 (VSA-1130/JXEV: 7028077210C0)

MODEL DISCRIMINATION

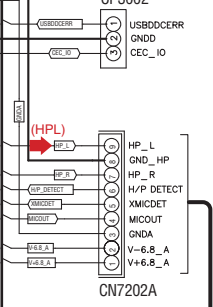
R.M.D	VSX-90	OTHERS
C3012 C3013 C3014 C3015	RT1N237C	MM
R3338 R3339 R3340 R3341	MM	V.6.8_A
C3016 C3017 C3018 C3019	NO SCHEDULE TABLES	HL-SOCKET (SPARE)
C3020 C3021 C3022 C3023	100 ohm	200 ohm

R.M.D	OTHERS	SYSTEM LANE
C3024 C3025 C3026	100M	OPEN
C3027	330P	OPEN
C3028	470P/10V	100V/10V
C3029	10M	OPEN
C3030 C3031	100M	100M
C3032	100P	100P
C3033	470P	OPEN
C3034	470P	10V
C3035	100P	10V
C3036	100P	10V
C3037	OPEN	10V
C3038	100P	10V
C3039	100P	10V
C3040	470P/10V	OPEN
C3041 C3042	4.7U/50V	OPEN
R3310	0.202	OPEN

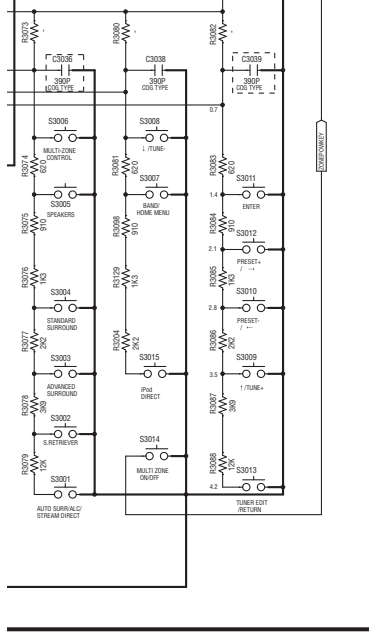
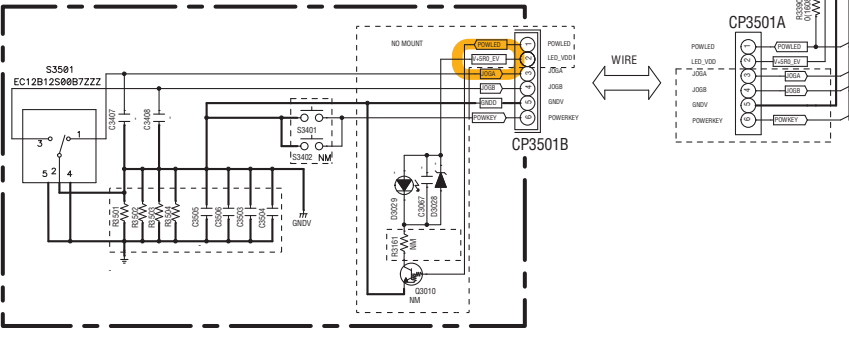
F CN314



H CN803



L INSEL ASSY (7028077220A0)



(HPL) → : Audio Signal Route (Headphone L ch)

The Δ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.

Δ 印の部品は、安全上重要な部品です。交換するときは、安全および性能維持のため必ず指定の部品をご使用ください。



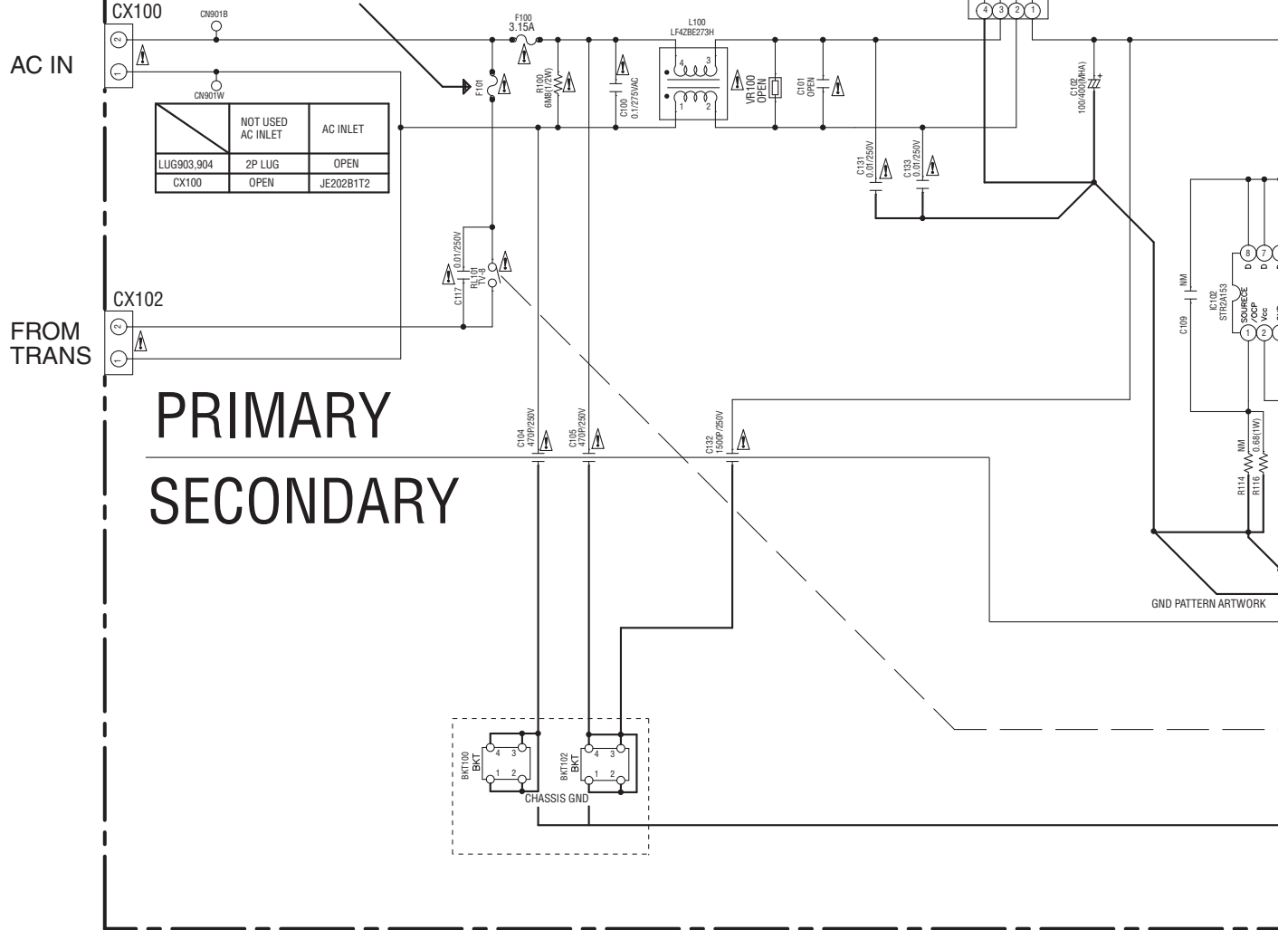
10.21 SMPS ASSY

• NOTE FOR FUSE REPLACEMENT

CAUTION - FOR CONTINUED PROTECTION AGAINST RISK OF FIRE, REPLACE WITH SAME TYPE AND RATINGS OF FUSE.

* F101 FUSE OPTION

VERSION	F101
100V, 110V, 120V, 110-127V / 220-240V	T8AL/250V
220V, 220-230V, 220-240V	T6.3AL/250V



PRIMARY
SECONDARY

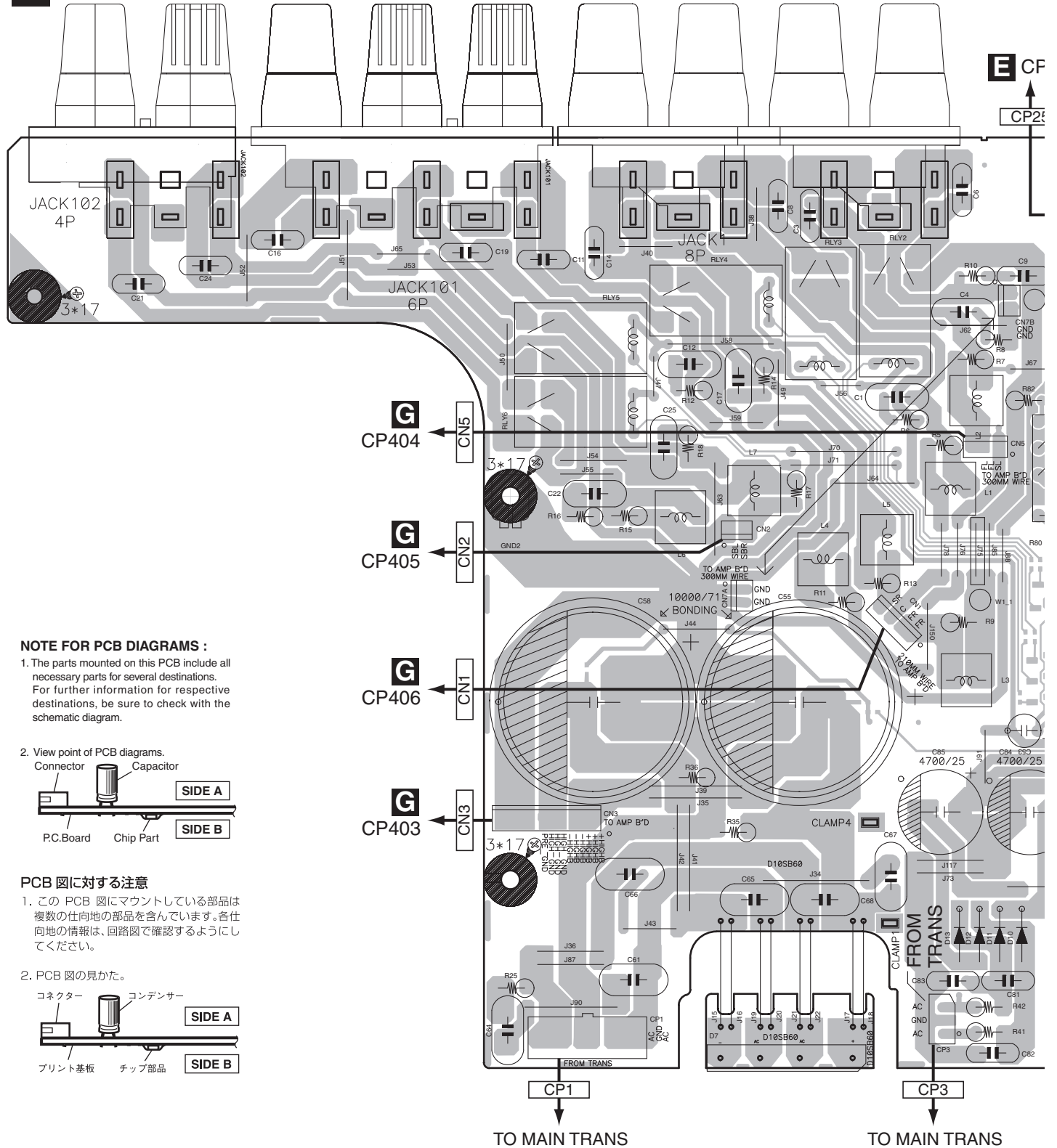
GND PATTERN ARTWORK

11. PCB CONNECTION DIAGRAM

11.1 MAIN ASSY

A SIDE A

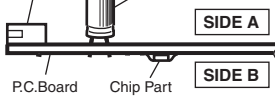
A MAIN ASSY



NOTE FOR PCB DIAGRAMS :

1. The parts mounted on this PCB include all necessary parts for several destinations. For further information for respective destinations, be sure to check with the schematic diagram.

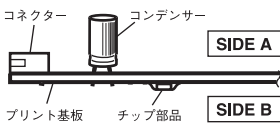
2. View point of PCB diagrams.
Connector Capacitor



PCB 図に対する注意

1. この PCB 図にマウントしている部品は複数の仕向地の部品を含んでいます。各仕向地の情報は、回路図で確認するようにしてください。

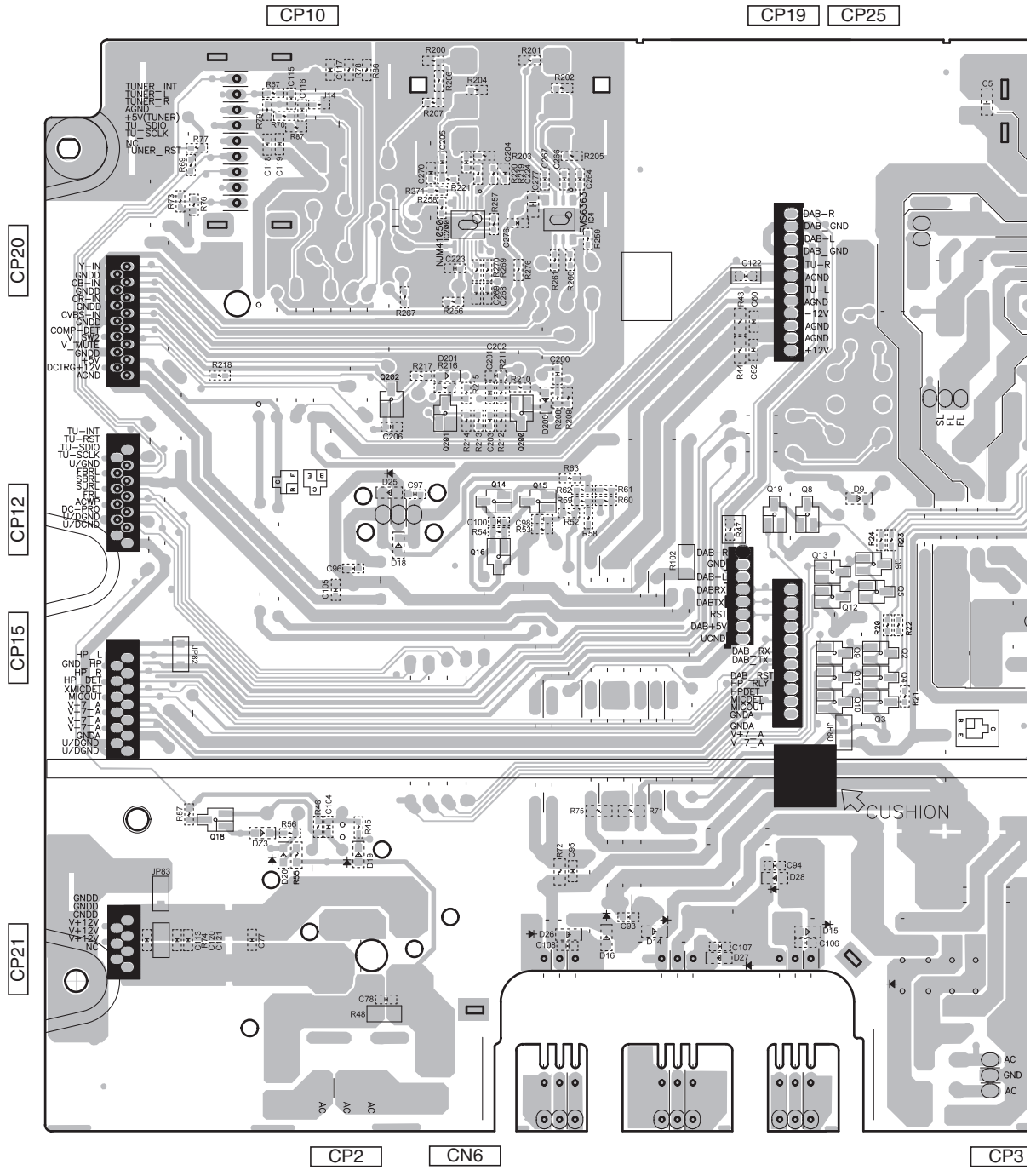
2. PCB 図の見かた。



A

SIDE B

A MAIN ASSY



A

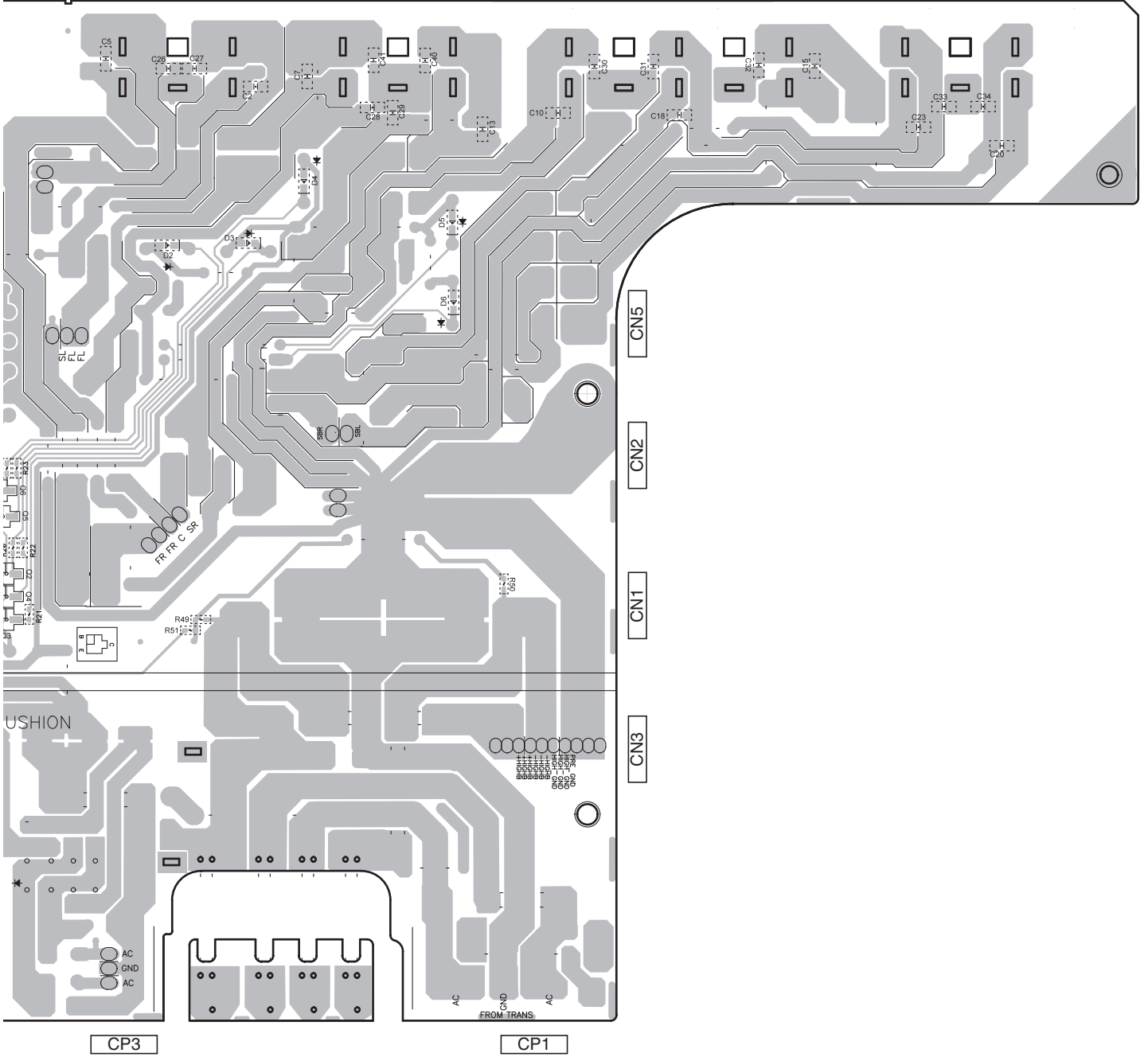
Q18 IC200 Q200 Q19 Q8 Q29-Q13 Q2-Q6

VSX-1130-K

SIDE B

A

5



B

C

D

E

F

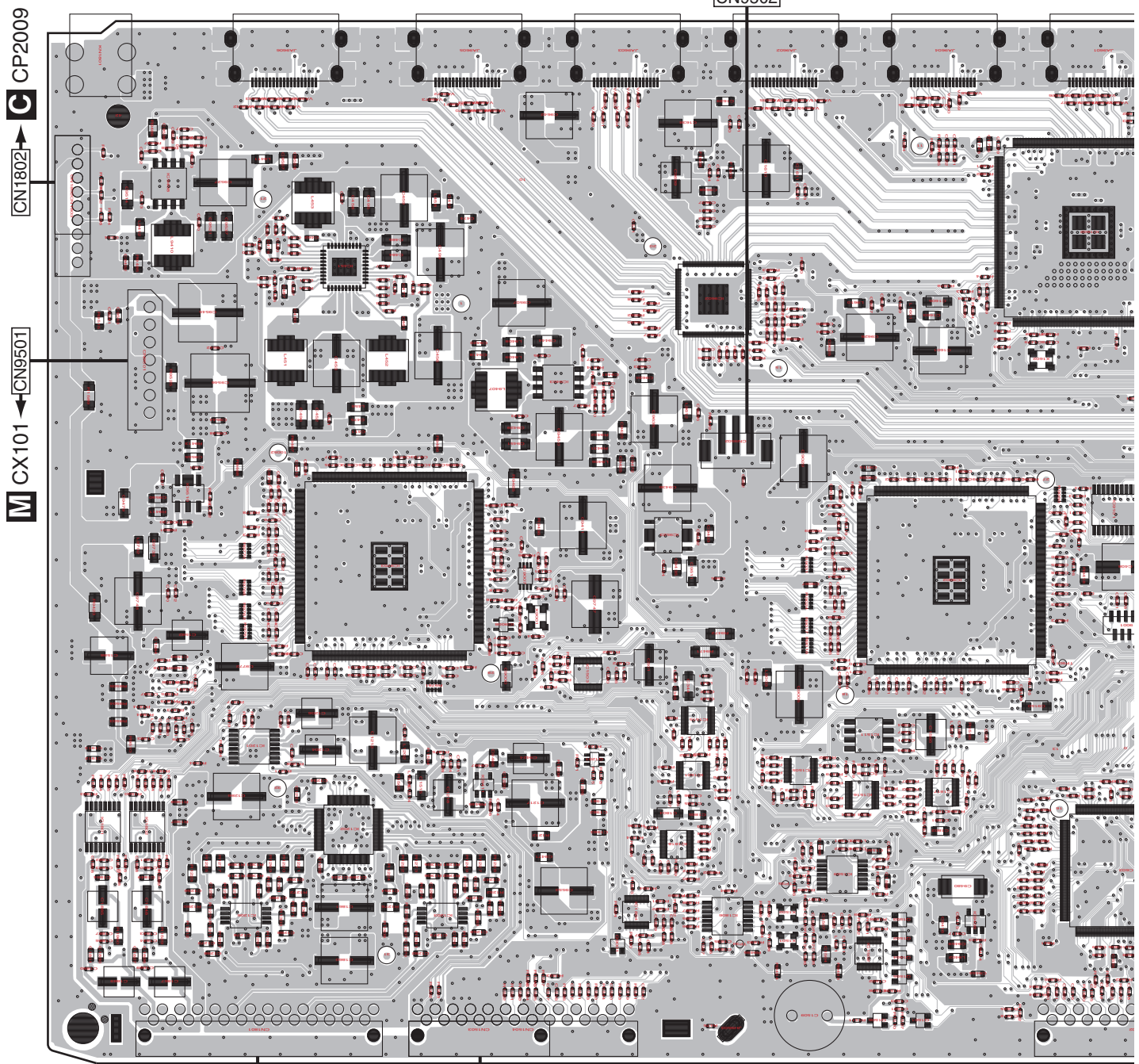
11.2 DMAIN ASSY

SIDE A

A
B
C
D
E

B DMAIN ASSY

H CP3603



CN1801
D CN2111

CN1504
D CN2114

F

- | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------------|
| IC9408 | IC9510 | IC1201 | IC451 | IC9703 | IC9007 | IC9403 | IC9602 | IC9002 | IC1602 |
| IC1801 | IC1802 | IC1206 | IC1202 | IC9008 | IC1503 | IC9523 | IC1505 | IC1511 | IC1817 |
| | | | | IC9411 | Q1201 | IC1515 | IC1501 | IC1516 | IC9406 |
| | | | | IC1203 | | IC1518 | | IC1509 | Q1501-Q1506 |
| | | | | | IC1804 | IC1506 | | IC1502 | |
| | | | | | Q9001 | | | | |

B

SIDE A

NETWORK MODULE

H CP3601

CN9203
CN9204

CN9202

F CN303A

F CN902

F CN302

F CN607

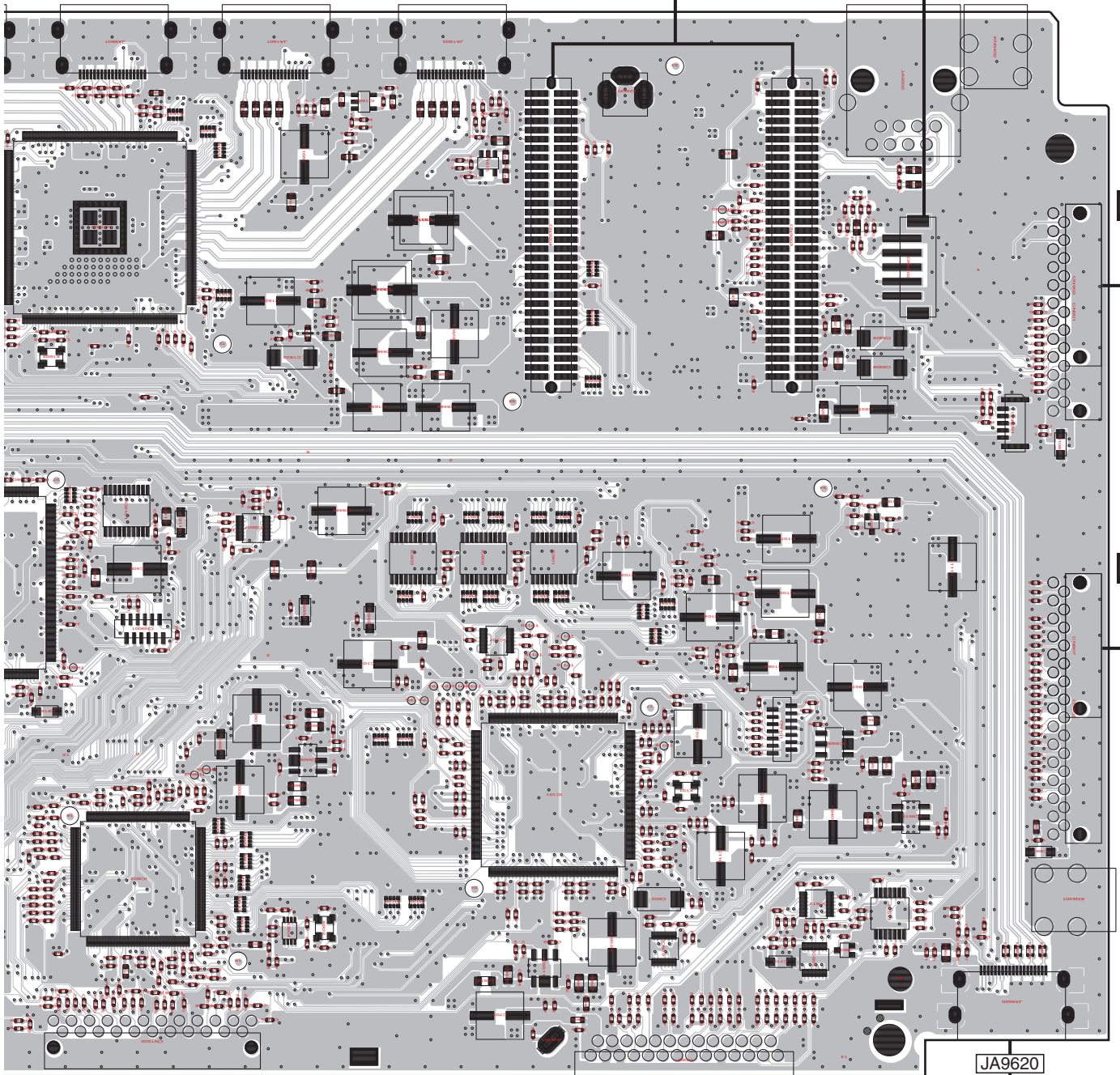
F CN301

H JACK8203

CN601

JA9620

F CN301



IC1602

IC9101

IC603

IC9207

IC9508

IC604

IC1605

IC1615

IC101-IC903

IC107

IC101

IC9511

IC609

Q1001

IC9505

IC612

IC9515

IC611

IC608

VSX-1130-K

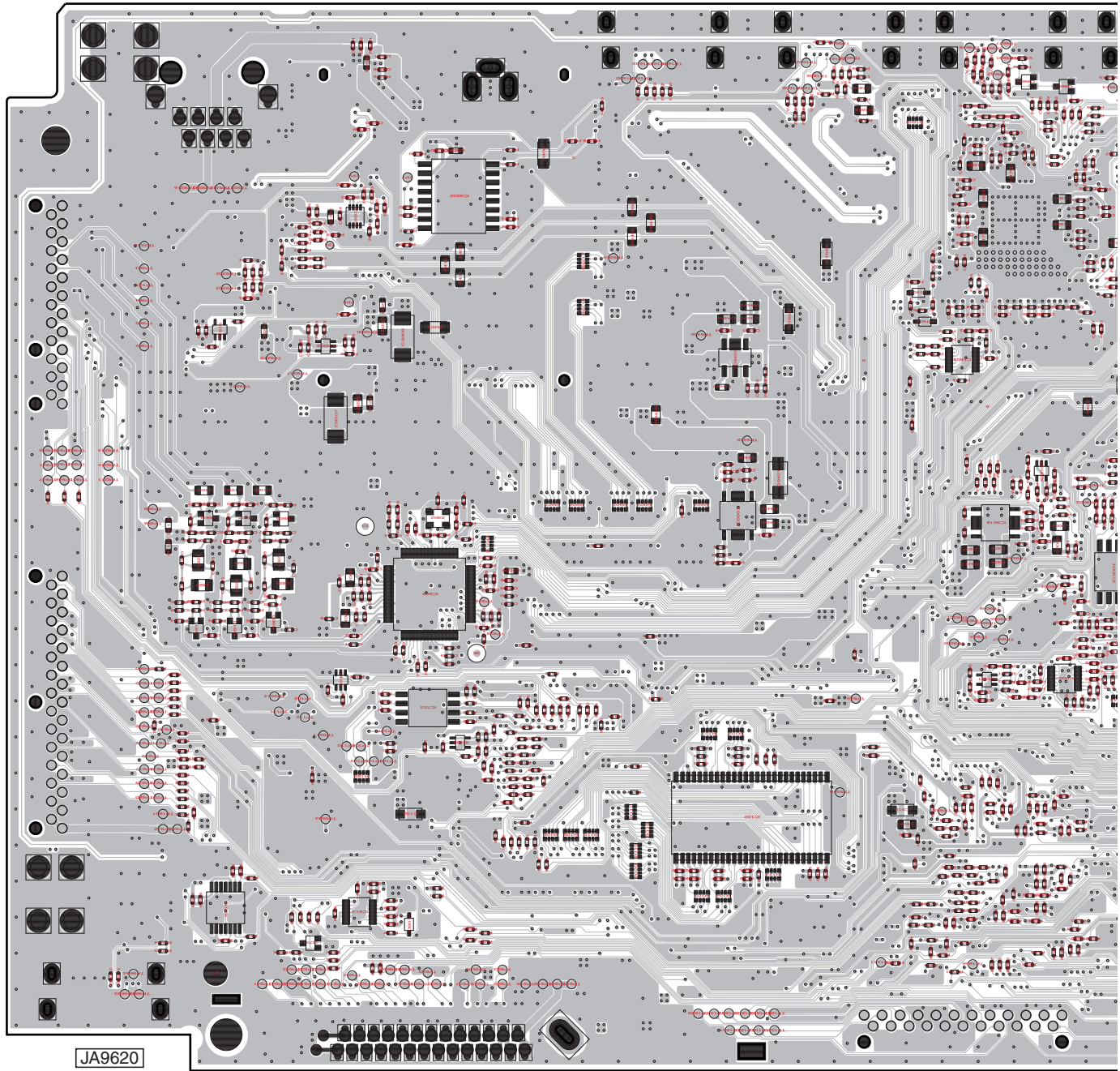
B

SIDE B

B DMAIN ASSY

CN9202

CN9203
CN9204



A
B
C
D
E

IC615	IC9206	IC9202	IC9407	IC1603	Q9606	Q9607
Q906-Q908	IC9203	IC909	IC9502		IC9009	
Q909-Q911		IC103	IC102	IC9518		IC90
IC610	Q701	IC613		IC1521	IC9003	

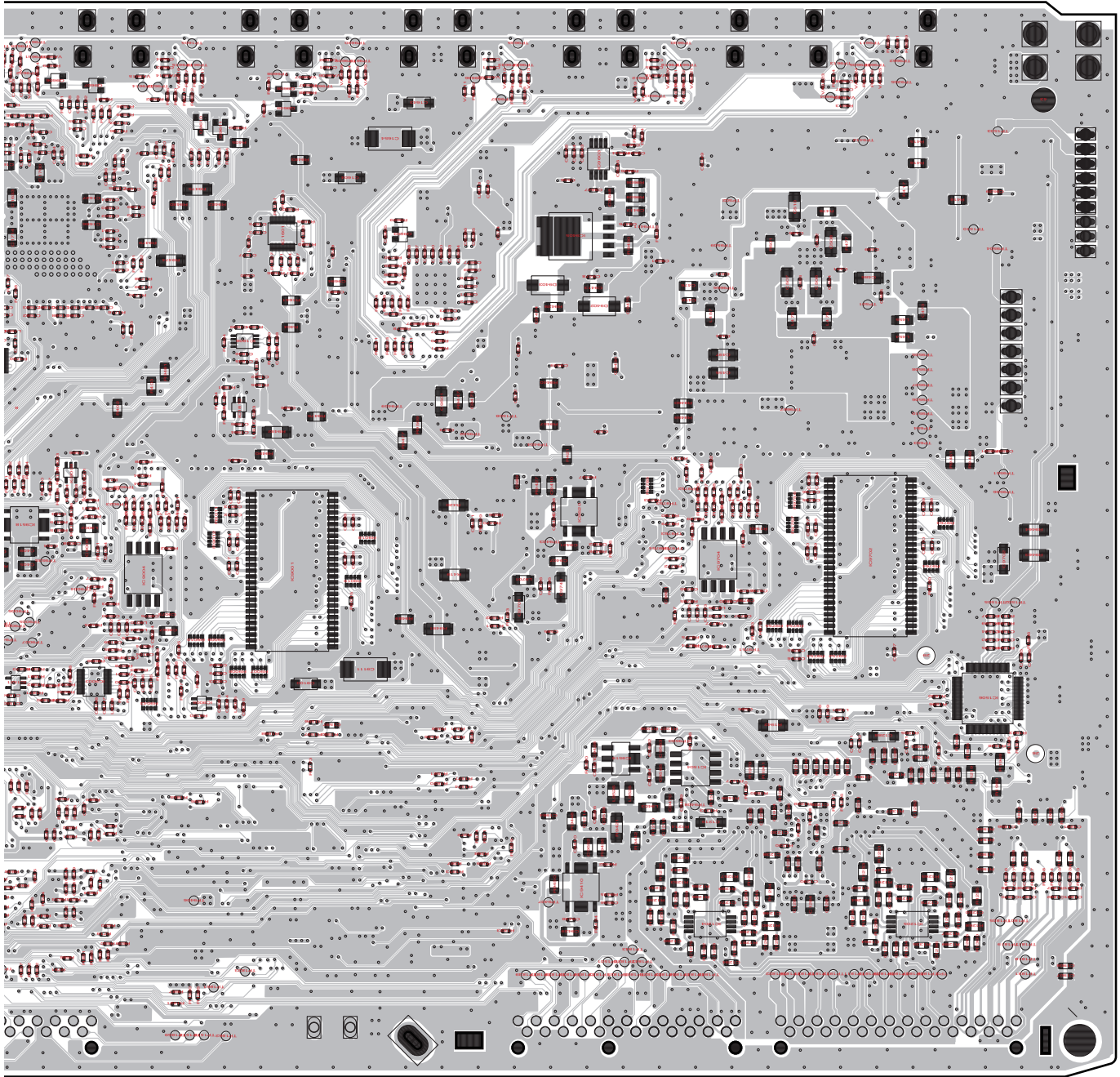
F

B

SIDE B

A

CN9502



CN1802

B

CN9501

C

D

E

CN1504

CN1801

3	Q9606	Q9607	Q9610	Q9608	Q9603	IC9603	IC9704	IC9702	IC1506
	IC9009		Q9611	Q9609		IC9520	IC1504	IC1205	
IC9518	IC9004		IC1601			IC9519			
>1521	IC9003		IC1808	IC9001		IC9410	IC1204		
		IC9006	IC1812						

F

VSX-1130-K

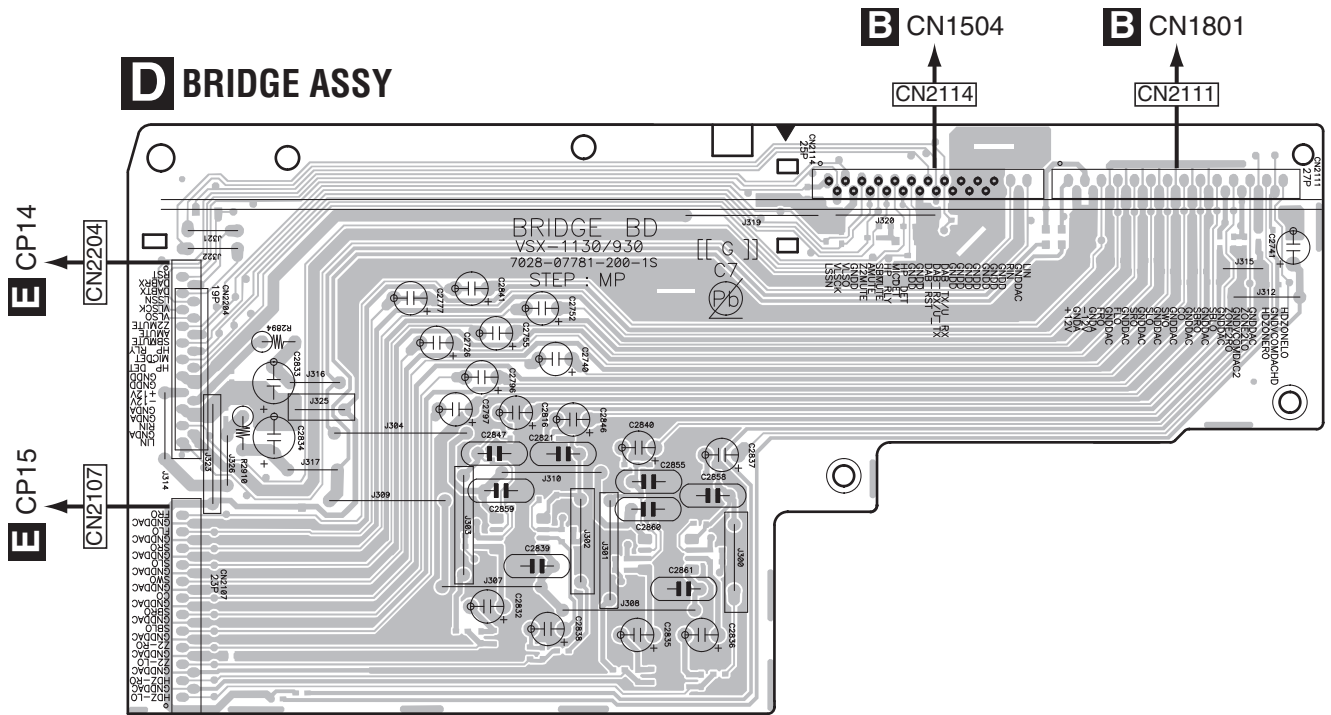
B

11.4 BRIDGE ASSY

SIDE A

SIDE A

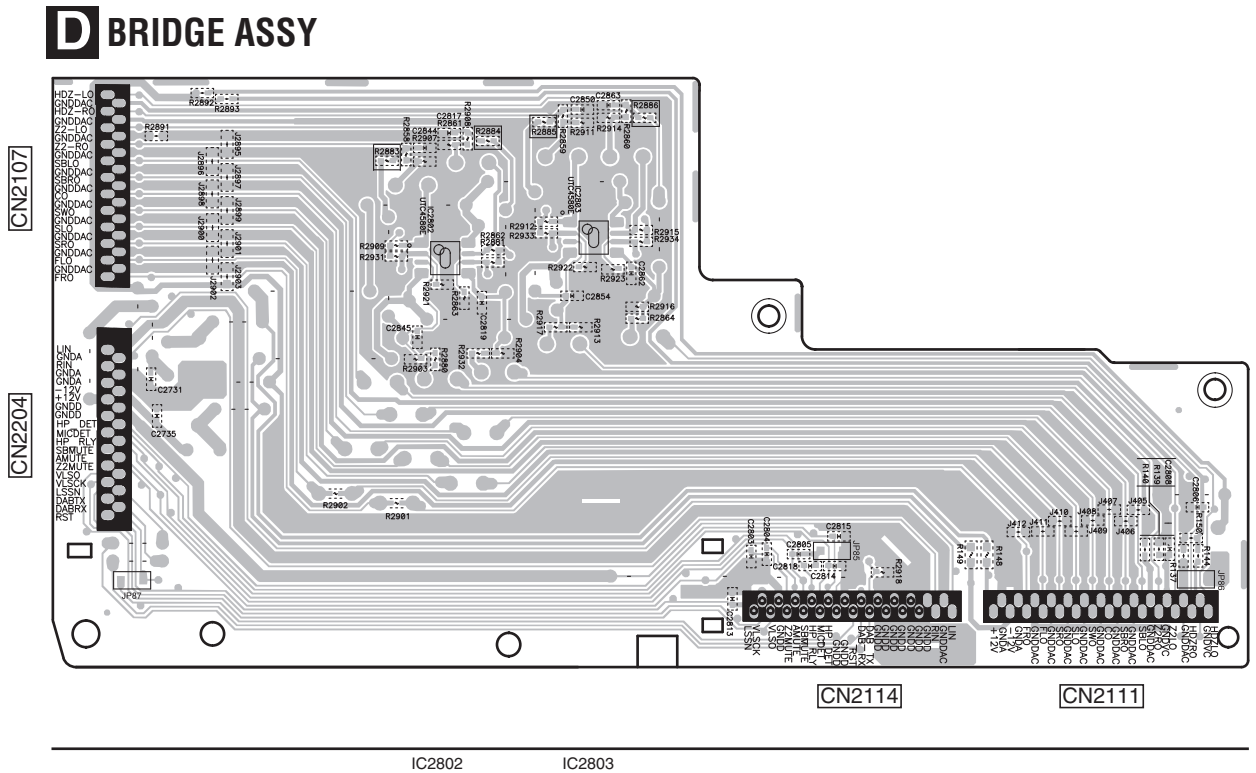
D BRIDGE ASSY



SIDE B

SIDE B

D BRIDGE ASSY



IC2802 IC2803

VSX-1130-K

D

SIDE B

A

B

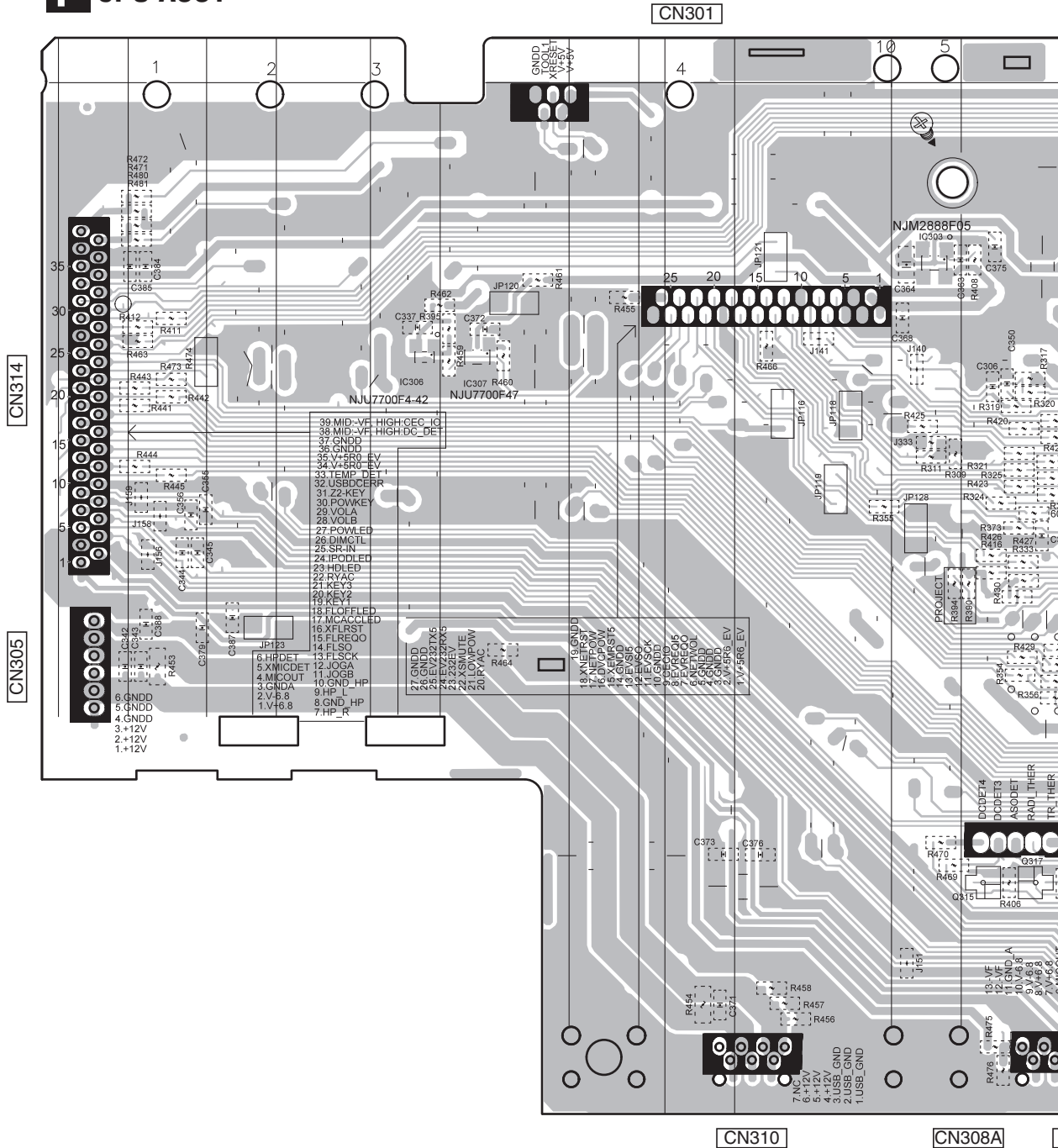
C

D

E

F

F CPU ASSY



IC306

IC303

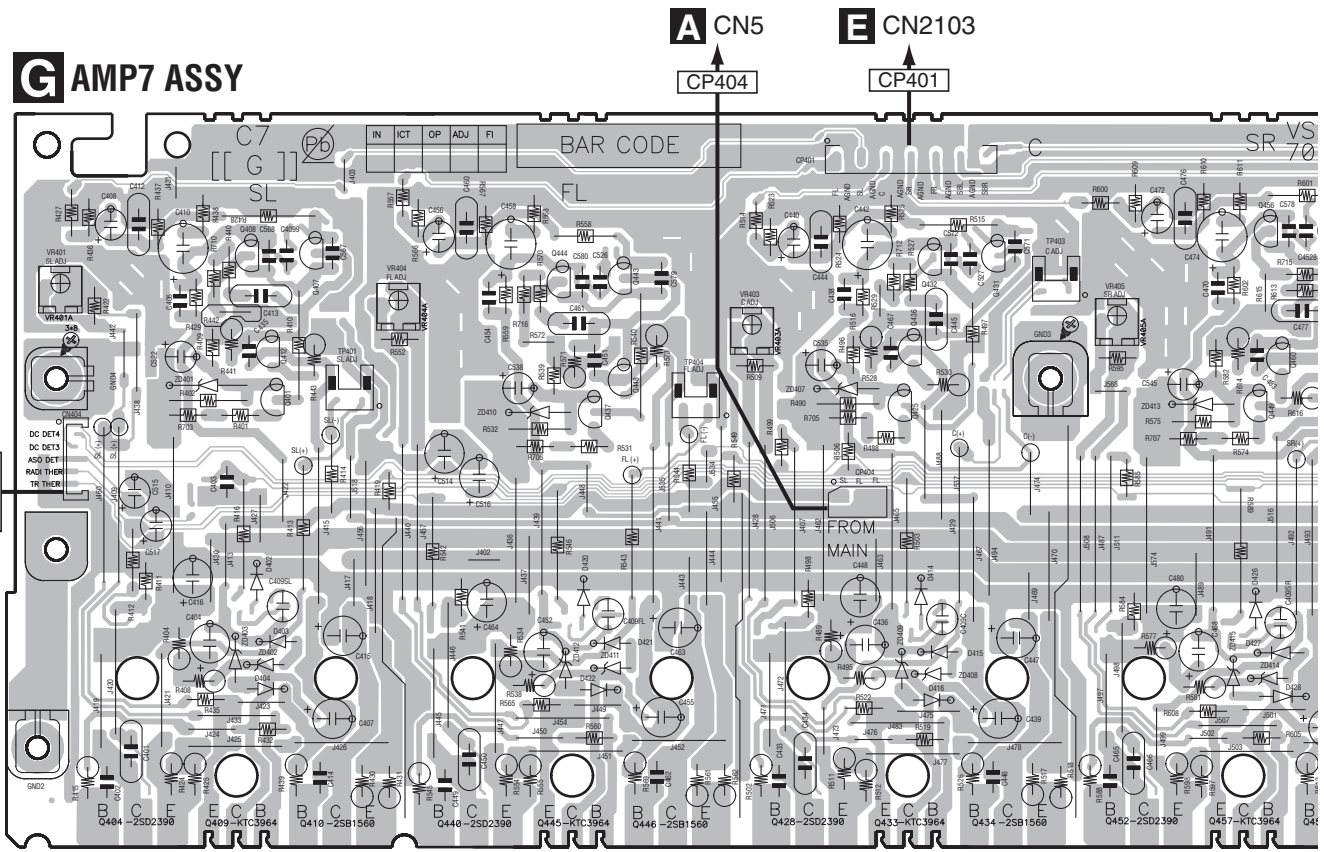
Q315 Q317



11.7 AMP7 ASSY

SIDE A

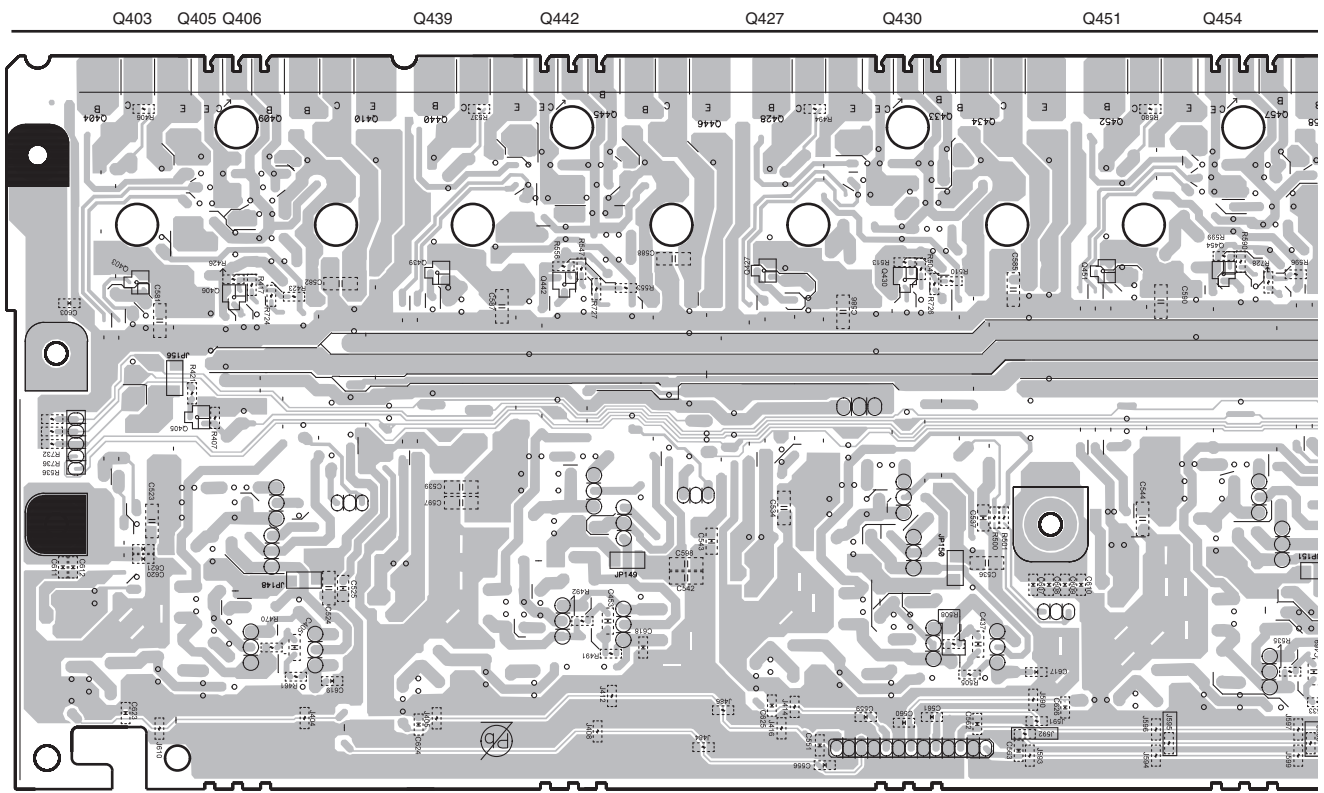
G AMP7 ASSY



VR401	Q404	Q408	Q412	Q407	VR404	Q444	Q448	Q443	VR403	Q432	Q431	VR405	Q456
	Q409	Q401	Q410		Q445	Q437	Q446			Q425	Q434		Q460
													Q449
													Q457

SIDE B

G AMP7 ASSY



Q403	Q405	Q406	Q439	Q442	Q427	Q430	Q451	Q454
------	------	------	------	------	------	------	------	------

A CN1

A CN3

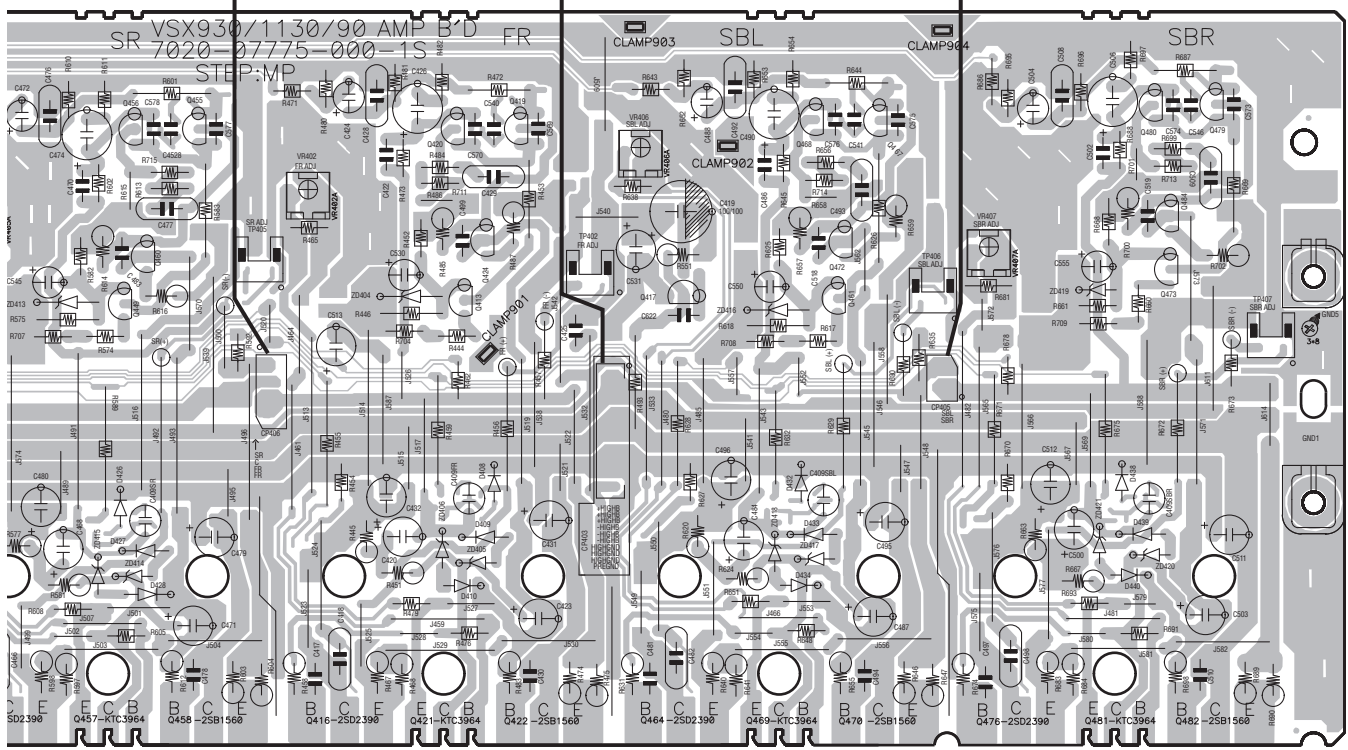
A CN2

SIDE A

CP406

CP403

CP405



SIDE B

Q454

Q415

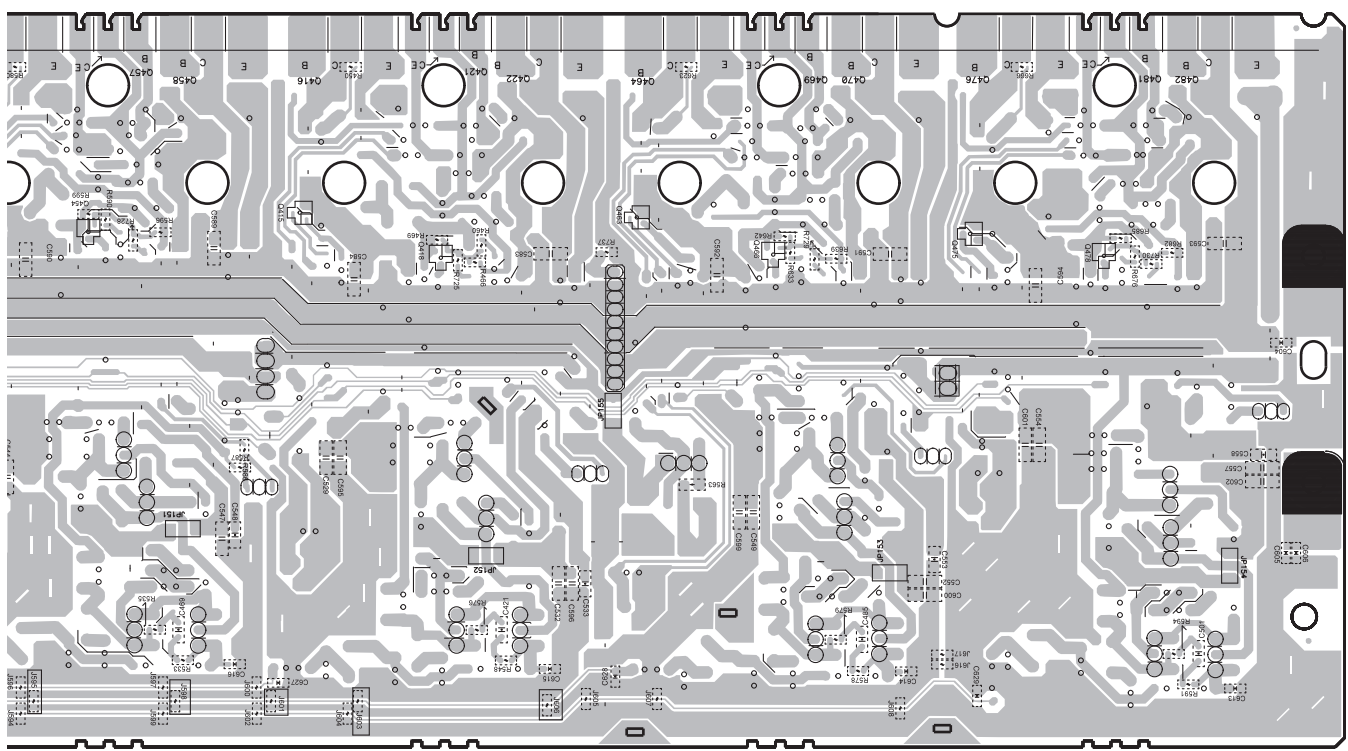
Q418

Q463

Q466

Q475

Q478



CP406

CP403

CP405

VSX-1130-K



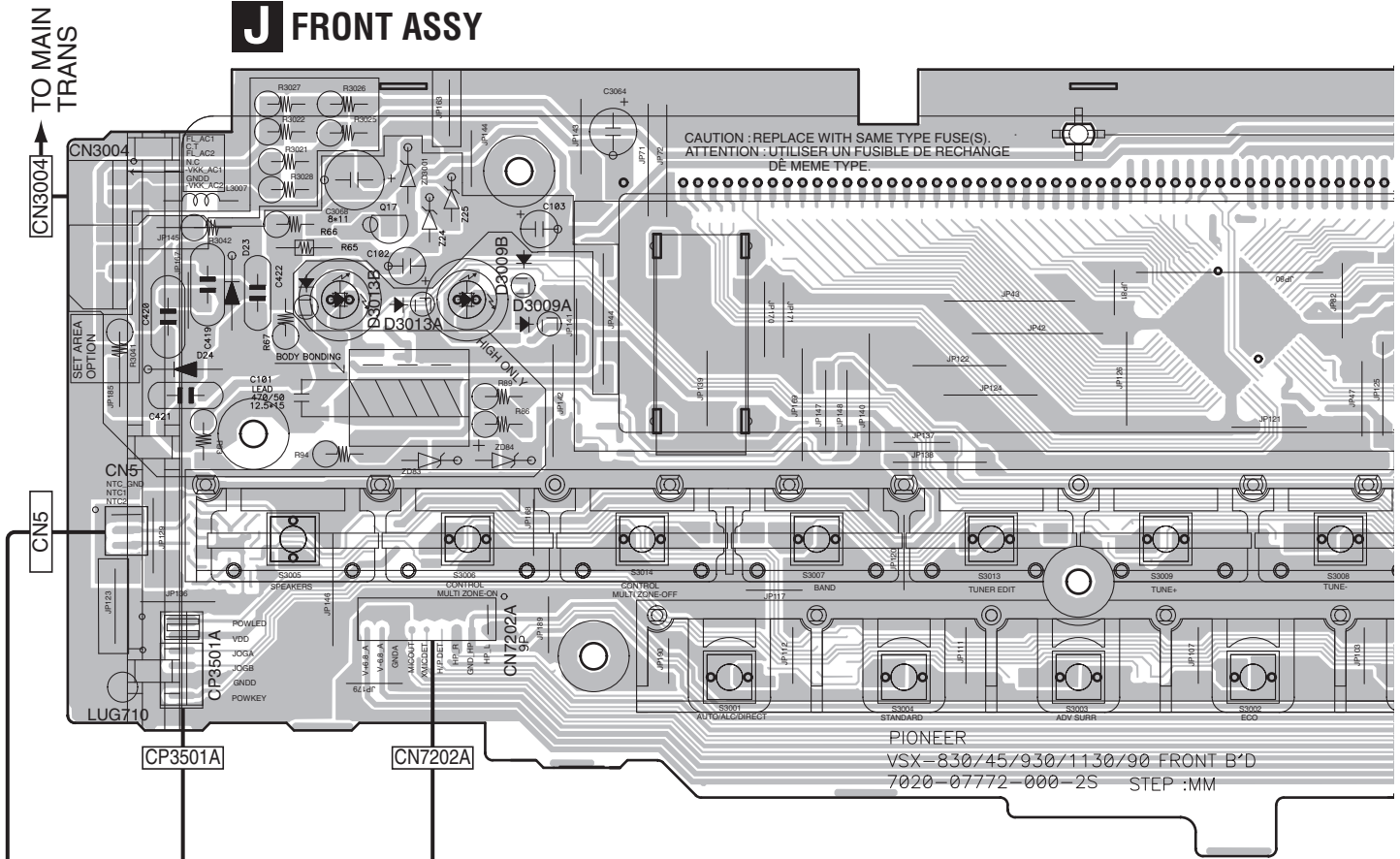
11.8 FHDMI, TEMP, FRONT, HPMIC and INSEL ASSYS

SIDE A

A

Q17

J FRONT ASSY

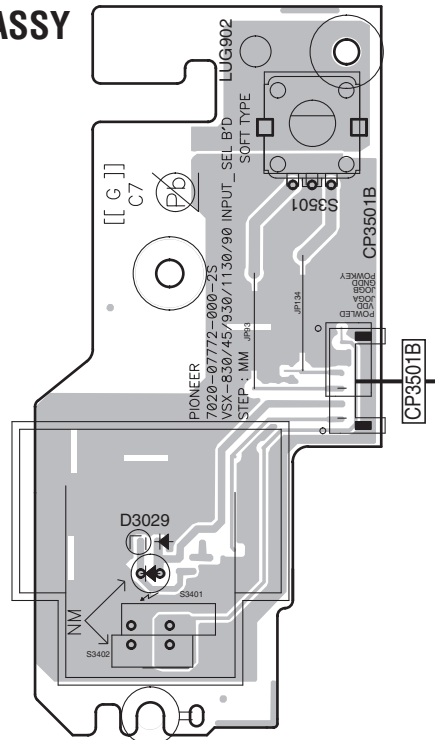


B

C

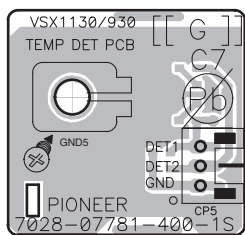
D

L INSEL ASSY



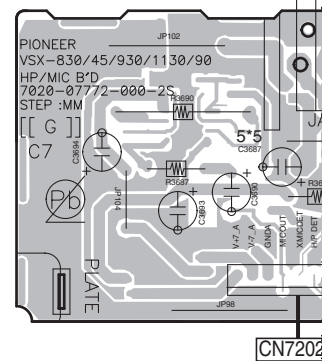
E

M TEMP ASSY



F

K HPMIC ASSY

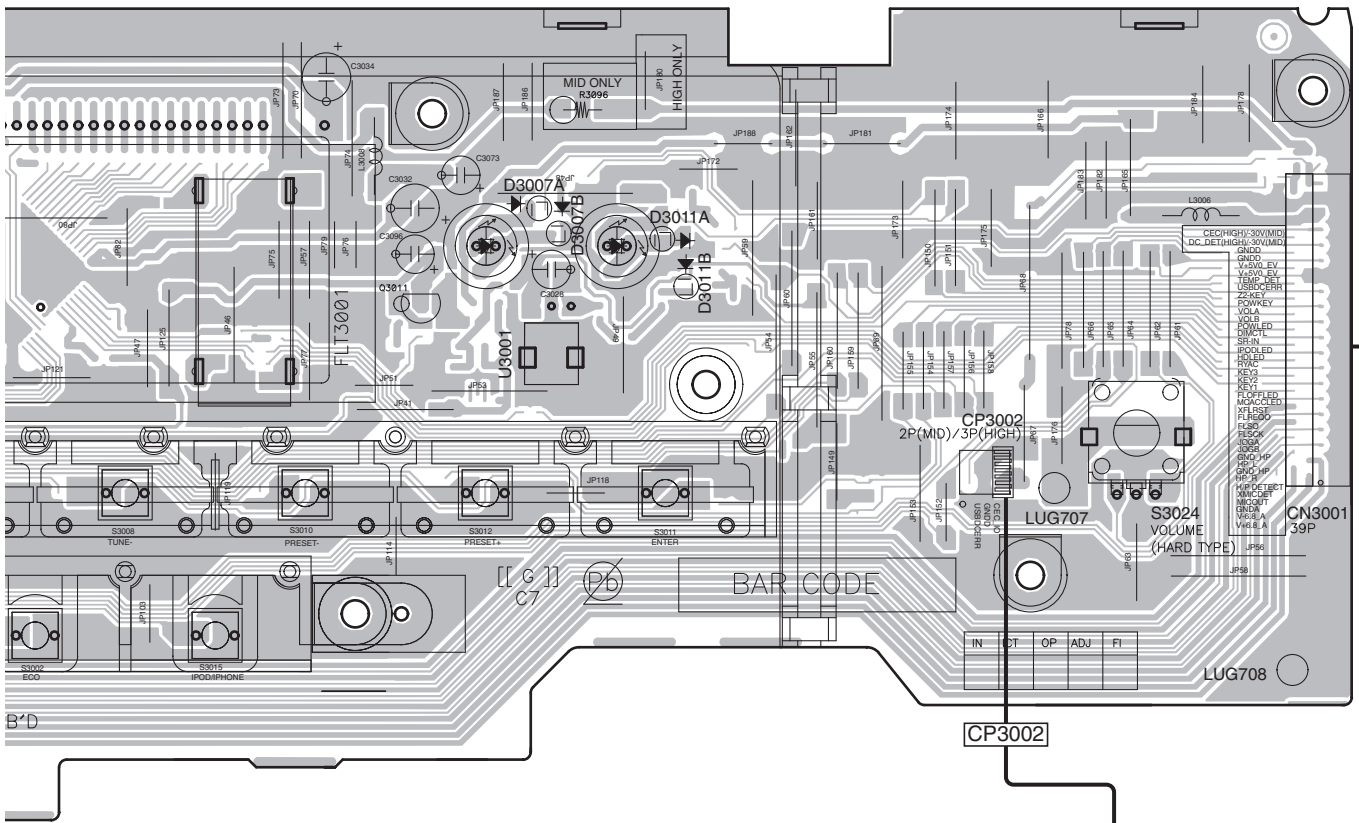


I J K L

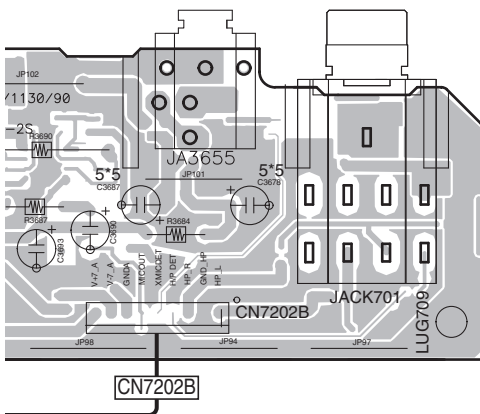
VSX-1130-K

SIDE A

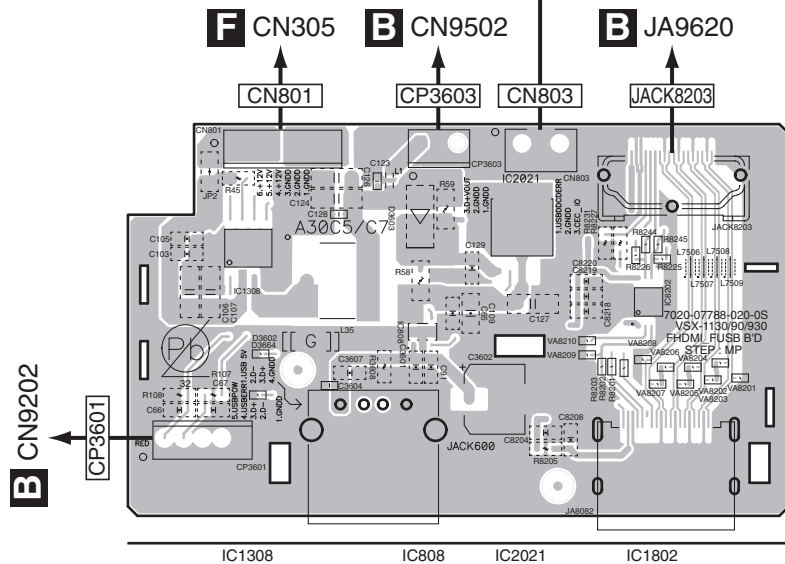
Q3011



IC ASSY



H FHDMI ASSY



VSX-1130-K

H J K

12. PCB PARTS LIST

NOTES: ● Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.

● The \triangle mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.

● When ordering resistors, first convert resistance values into code form as shown in the following examples.

Ex.1 When there are 2 effective digits (any digit apart from 0), such as 560 ohm and 47 k ohm (tolerance is shown by J = 5%, and K = 10%).

560 Ω → 56 × 10¹ → 561 RD1/APU 5 6 1 J

47 k Ω → 47 × 10³ → 473 RD1/APU 4 7 3 J

0.5 Ω → R50 RN2H R 5 0 K

1 Ω → 1R0 RS1P 1 R 0 K

Ex.2 When there are 3 effective digits (such as in high precision metal film resistors).

5.62 k Ω → 562 × 10¹ → 5621 RN1/APC 5 6 2 1 F

● SCHEMATIC DIAGRAM and PCB CONNECTION DIAGRAM → ● PCB PARTS LIST

BKT	→ none	BEAD	→ L	RLY	→ RY	SW	→ S
CLAMP	→ none	F	→ FU	RMC	→ U	VEC	→ S9***
W	→ none	FLT	→ V	RES	→ X	GND	→ KN
LUG	→ none	JACK	→ JA	XTAL	→ X9***		
P	→ none	JACK	→ JA9***	BD	→ L7***		
PACK	→ 9***	JK	→ JA	LED	→ D8***		
CP	→ CN	PT	→ T	Z	→ D9***		
CP	→ CN9***	REG	→ IC	ZD	→ D9***		
CX	→ CN9***	REG	→ IC9***	DZ	→ D9***		
FPC	→ CN9***						

LIST OF ASSEMBLIES

Mark	Symbol and Description	VSX-1130-K /CUXESM	VSX-90 /CUXE	VSA-1130 /JXEV
NSP	1..PCB TTL ASSY MAIN	7025HK1401010	7025HK1401020	7025HK1401060
	2..MAIN ASSY (PCB SUB ASSY MAIN)	7028077811040	7028077811010	7028077811030
	2..BRIDGE ASSY (PCB SUB ASSY BRIDGE)	7028077812020	7028077812010	7028077812020
	2..GUI-A ASSY (PCB SUB ASSY GUI-A)	7028077813010	7028077813010	7028077813010
	2..G-R ASSY (PCB SUB ASSY G-R)	7028077814010	7028077814010	7028077814010
	2..G-L ASSY (PCB SUB ASSY G-L)	7028077815010	7028077815010	7028077815010
	2..TEMP ASSY (PCB SUB ASSY TEMP)	7028077816010	7028077816010	7028077816030
NSP	1..PCB TTL ASSY DMAIN	7025HK1401012	7025HK1401022	7025HK1401062
	2..DMAIN ASSY (PCB SUB ASSY DMAIN)	7028077871040	7028077871010	7028077871030
	2..NETWORK MODULE	AXX7293	AXX7293	AXX7293
NSP	1..PCB TTL ASSY FRONT	7025HK1401011	7025HK1401021	7025HK1401061
	2..FRONT ASSY (PCB SUB ASSY FRONT)	70280777210D0	70280777210A0	70280777210C0
	2..INSEL ASSY (PCB SUB ASSY INSEL)	70280777220A0	70280777220A0	70280777220A0
	2..OPTCO ASSY (PCB SUB ASSY OPTCO)	70280777230A0	70280777230A0	70280777230B0
	2..HPMIC ASSY (PCB SUB ASSY HPMIC)	70280777240A0	70280777240A0	70280777240A0
NSP	1..PCB TTL ASSY CPU	7025HK1401013	7025HK1401023	7025HK1401063
	2..CPU ASSY (PCB SUB ASSY CPU)	70280777310D0	70280777310A0	70280777310C0
NSP	1..PCB TTL ASSY AMP7	7025HK1401014	7025HK1401024	7025HK1401064
	2..AMP7 ASSY (PCB SUB ASSY AMP7)	7028077751010	7028077751010	7028077751030
NSP	1..PCB TTL ASSY AUDIO	7025HK1401015	7025HK1401025	7025HK1401065
	2..AUDIO ASSY (PCB SUB ASSY AUDIO)	7028077841040	7028077841010	7028077841030
NSP	1..PCB TTL ASSY SMPS	7025HK1401016	7025HK1401026	7025HK1401066
\triangle	2..SMPS ASSY (PCB SUB ASSY SMPS)	702807336108B	702807336106B	702807336109B
NSP	1..PCB TTL ASSY FHDMI	7025HK1401017	7025HK1401027	7025HK1401067
	2..FHDMI ASSY (PCB SUB ASSY FHDMI)	7028077881010	7028077881010	7028077881030

CONTRAST OF PCB ASSEMBLIES

A MAIN ASSY

7028077811040, 7028077811010 and 7028077811030 are constructed the same with the exception of some components, including the following:

Mark	Symbol and Description	7028077811040	7028077811010	7028077811030
⚠	IC5 Liner regulator IC	Not used	J126781200040-IL	Not used
	R85	Not used	C060033166050-IL	Not used
	50 Tuner,FM/AM	E903004100781S	E903004100781S	Not used

Note: This list is not complete. Only components that are available as service part are listed!

B DMAIN ASSY

7028077871040, 7028077871010 and 7028077871030 are constructed the same with the exception of some components, including the following:

Mark	Symbol and Description	7028077871040	7028077871010	7028077871030
	IC1802	Not used	AK4388ET	Not used

Note: This list is not complete. Only components that are available as service part are listed!

C OPTCO ASSY

70280777230A0 and 70280777230B0 are different and are NOT COMPATIBLE! Some components on these Assy's are different. Since these different components are not available as service part, they are not listed.

D BRIDGE ASSY

7028077812020 and 7028077812010 are constructed the same with the exception of some components, including the following:

Mark	Symbol and Description	7028077812020	7028077812010
	IC2802	Not used	J121458001010-IL

Note: This list is not complete. Only components that are available as service part are listed!

E AUDIO ASSY

7028077841040, 7028077841010 and 7028077841030 are constructed the same with the exception of some components, including the following:

Mark	Symbol and Description	7028077841040	7028077841010	7028077841030
	IC2503	Not used	J084381200010S	Not used
	JA2102 Ter_RCA 4PIN	Not used	G602421E0002Y-IL	Not used
	JA2102 Ter_RCA 2PIN	Not used	Not used	G601206A0005Y-IL
	JA2103 Pin_jack (2P)	G601206A0700Y-IL	G601206A0700Y-IL	Not used
	JA2103 Ter,RCA 4PIN	Not used	Not used	G602421E0046Y-IL

Note: This list is not complete. Only components that are available as service part are listed!

F CPU ASSY

70280777310D0, 70280777310A0 and 70280777310C0 are constructed the same with the exception of some components, including the following:

Mark	Symbol and Description	70280777310D0	70280777310A0	70280777310C0
	IC301	Not used	J046323200020-IL	Not used
	Q302	Not used	J5000916Y0050-IL	Not used
	JA302 Jack_D3.5	Not used	G401PJ3080100-IL	Not used
	JA303 CN.Wafer Interface	Not used	L103090090040-IL	Not used

Note: This list is not complete. Only components that are available as service part are listed!

G AMP7 ASSY

7028077751010 and 7028077751030 are different and are NOT COMPATIBLE! Some components on these Assy's are different. Since these different components are not available as service part, they are not listed.

Mark	No.	Description	Part No.
------	-----	-------------	----------

	IC 9004		8952VS1130020
	IC 9007		TC7WZU04FK
	IC 9008		TC7SZU04FUS1

A

	IC 9101		74VHC541FT
	IC 9202		8952VS1130041
	IC 9208		TC7SH08FUS1
⚠	IC 9403,9408		MM3542BF
⚠	IC 9406		MM3411A50N

⚠	IC 9407,9508		MM3529A25P
⚠	IC 9410,9523		S-1172B12-E6
⚠	IC 9411		MM3411A33N
⚠	IC 9502		S-13A1A00-E6
⚠	IC 9505		MM3529A18P

B

⚠	IC 9510		MM3529A33P
⚠	IC 9511,9519		MM3529A50P
⚠	IC 9515		S-1172B1C-U5
⚠	IC 9518,9520		S-1172B13-E6
⚠	IC 9603		J046820650010S

	IC 9704		8952VS1130030
--	---------	--	---------------

MISCELLANEOUS

JA 1601,1603,9601-9606	HDMI JACK	AKP7286
JA 9202	JACK_MODULAR	G4060RJ450230-IL
JA 9620	HDMI JACK	AKP7286

C

CAPACITORS

C 1509		D040222081000-IL
--------	--	------------------

C OPTCO ASSY
SEMICONDUCTORS

IC 2009		J040740400290-IL
---------	--	------------------

MISCELLANEOUS

JA 1305	MODULE	E100802000250-IL
JA 1306	TER_RCA 1PIN	G600107A0000Y-IL
CN 2009	CN.WAFER	L101911500610S

D

D BRIDGE ASSY
SEMICONDUCTORS

IC 2803		J121458001010-IL
---------	--	------------------

MISCELLANEOUS

CN 2107	CN_WAFER	L109012512340S
CN 2111	CN_WAFER	L109012512740S
CN 2114	CN_WAFER	L109012512540S
CN 2204	CN_WAFER	L109012511940S

E

E AUDIO ASSY
SEMICONDUCTORS

IC 2501		BD3473KS2
IC 2502		J040406600010-IL
IC 2702,2704		J121458001010-IL
Q 2401		J5023198Y0000-IL
Q 2402		J5001266Y0050-IL

MISCELLANEOUS

JA 2101	TER_RCA 4PIN	G602421E0002Y-IL
JA 2103	PIN JACK (2P)	G601206A0700Y-IL

F

Mark	No.	Description	Part No.
------	-----	-------------	----------

F CPU ASSY
SEMICONDUCTORS

	IC 300		8952VS1130050
⚠	IC 303		NJM2888F05
⚠	IC 305		J126288833010S
	IC 306		J126077004210-IL
	IC 307		J126077004720S

MISCELLANEOUS

JA 300,301	JACK_D3.5	G401PJ3080100-IL
CN 302	CN_WAFER	L109012511540S
CN 303	CN_WAFER	L109012511740S

CAPACITORS

C 352,353		D040102081070-IL
-----------	--	------------------

G AMP7 ASSY
SEMICONDUCTORS

Q 401,407,408,413		J5000992FA050-IL
⚠ Q 404,416,428,440,452,467,476		J5032390Y0000-IL
Q 409,421,433,445,457,469,481		J502396400010-IL
⚠ Q 410,422,434,446,458,470,482		J5011560Y0000-IL
Q 412,424,436,448		J5023206Y0050-IL

Q 417		J5001024Y0050-IL
Q 419,420,425,431		J5000992FA050-IL
Q 432,437,443,444		J5000992FA050-IL
Q 449,455,456,461		J5000992FA050-IL
Q 460,472,484		J5023206Y0050-IL

Q 467,468,473,479		J5000992FA050-IL
Q 480		J5000992FA050-IL
D 9401,9404,9407,9410		K06005R134522-IL
D 9402,9403,9405,9406		K06004R344522-IL
D 9408,9409,9411,9412		K06004R344522-IL

D 9413,9416,9419		K06005R134522-IL
D 9414,9415,9417,9418		K06004R344522-IL
D 9420,9421		K06004R344522-IL

RESISTORS

⚠ R 406,450,494,537		F320471001050-IL
R 415,439,458,483		C060010165060-IL
⚠ R 424,425,430,431		N113136647820-IL
R 443,487,530,573		C060047065060-IL
⚠ R 467,468,474,475		N113136647820-IL

R 493		C060033065060-IL
R 502,526,545,551		C060010165060-IL
⚠ R 511,512,517,518		N113136647820-IL
⚠ R 554,555,561,562		N113136647820-IL
R 569,588,612,631		C060010165060-IL

⚠ R 580,623,666		F320471001050-IL
⚠ R 597,598,603,604		N113136647820-IL
R 616,659,702		C060047065060-IL
⚠ R 640,641,646,647		N113136647820-IL
R 655,674,698		C060010165060-IL

⚠ R 683,684,689,690		N113136647820-IL
VR 401-407	VR_SEMI CARBON MOLD	C541102315020S

H FHDMI ASSY
SEMICONDUCTORS

⚠ IC 808		J046206501010S
IC 8202		PCA9517DGK

Mark No. Description Part No.

MISCELLANEOUS

JA 600 CN_PLUG CONTACT G480040030010S
JA 8082 CN.WAFER L109100190250S

I TEMP ASSY

RESISTORS

R 83,84 F340160801030S

J FRONT ASSY

SEMICONDUCTORS

IC 3001 PD8198A
Q 17 J5000916Y0050-IL
Q 19,20,24 J522305200050-IL
Q 3011 J5001266G0050-IL
D 9,18,20 K005041480230-IL

△ D 23,24 K000400700220-IL
D 3001 K06006R844522-IL
D 3007,3009,3011,3013 K500052009011-IL
D 9024,9025,9083,9084 K06012R044522-IL

MISCELLANEOUS

V 3001 DISPLAY_FLT K530166400012-IL
S 3001-3015 SWITCH G180501000010-IL
S 3024 SW_ENCODER G121122400231S
1 HOLDER 4320211306000-IL
U 3001 MODULE_REMOCON E940349003810-IL

RESISTORS

R 66 N113135647920-IL
R 3021,3022 C0601R8065050S

K HPMIC ASSY

SEMICONDUCTORS

IC 3652 J121458001010-IL

MISCELLANEOUS

JA 701 JACK_D6.5 G402PJ612AG1Y-IL
JA 3655 JACK_D3.5 G40132340000Y-IL

L INSEL ASSY

MISCELLANEOUS

S 3401 SWITCH G180501000010-IL
S 3501 SW_ENCODER G121121200230-IL

M SMPS ASSY

SEMICONDUCTORS

△ IC 100 K614123000010-IL
△ IC 102 J122201530080-IL
△ IC 116 J126243118010-IL
Q 102 J5023198Y0000-IL
△ D 41 K047200600010-IL

△ D 103 K120300600010-IL
D 105 K050400700010-IL
D 108 K050010010010-IL
D 9114 K06006R244522-IL

Mark No. Description Part No.

MISCELLANEOUS

△ L 100 COIL_LINE FILTER D320201405510-IL
△ RY 101 RELAY G680060103030-IL
△ T 101 TRANS_SWITCHING E060252505510-IL
△ CN 9100 CN.WAFER 7.92MM L108396030010-IL
△ CN 9102 CN.WAFER 7.92MM L108011430210-IL

100,102 BRACKET 4010215796000-IL
101 BRACKET 4010210196000-IL

△ FU 100 FUSE GLASS TUBE 20MM (3.15 A) N751503151160-IL
△ FU 101 FUSE GLASS TUBE 20MM (T8AL/250V) N751508001160-IL
Z 9115 D_ZENER CHIP K06620R04P410-IL

RESISTORS

△ R 100 C060068564520-IL
R 106 C060012466050S
R 116 C060R68065050-IL
R 120 C0604R7065050-IL

CAPACITORS

△ C 100 D02110407H010-IL
C 102 D04010108K000-IL
C 103 D00810207Q010-IL
△ C 104,105 D00847127H010-IL
C 106,107 D041562081001-IL

C 112 D041330088050S
△ C 115,132 D00815248H010-IL
△ C 117,131,133 D008103589010-IL
C 129 D041221082230-IL