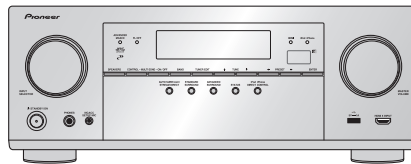


Pioneer

Service Manual



VSX-1124-K

ORDER NO.
RRV4527

AV Receiver

VSX-1124-K

VSX-1129-K

VSX-80

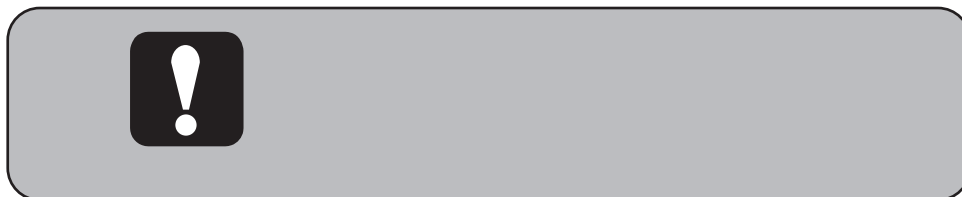
VSA-1124

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

Model	Type	Power Requirement	Remarks
VSX-1124-K	CUXESM	AC 120 V	
VSX-1129-K	CUXE	AC 120 V	
VSX-80	CUXE	AC 120 V	
VSA-1124	JXE	AC 100 V	

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

Model	Order No.	Remarks
VSX-1124-K, VSX-1129-K, VSX-80	RRV4521	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 JUNE 2014 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

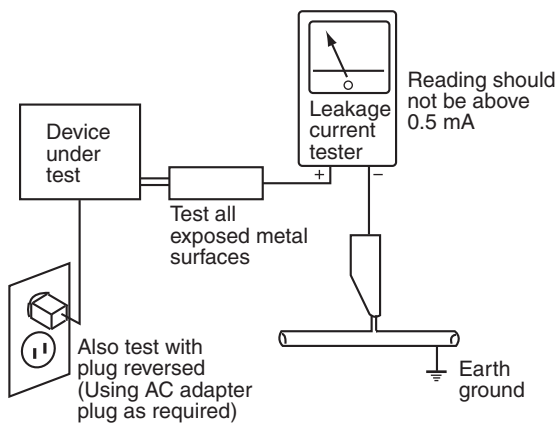
(FOR USA MODEL ONLY)

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 ⚠ 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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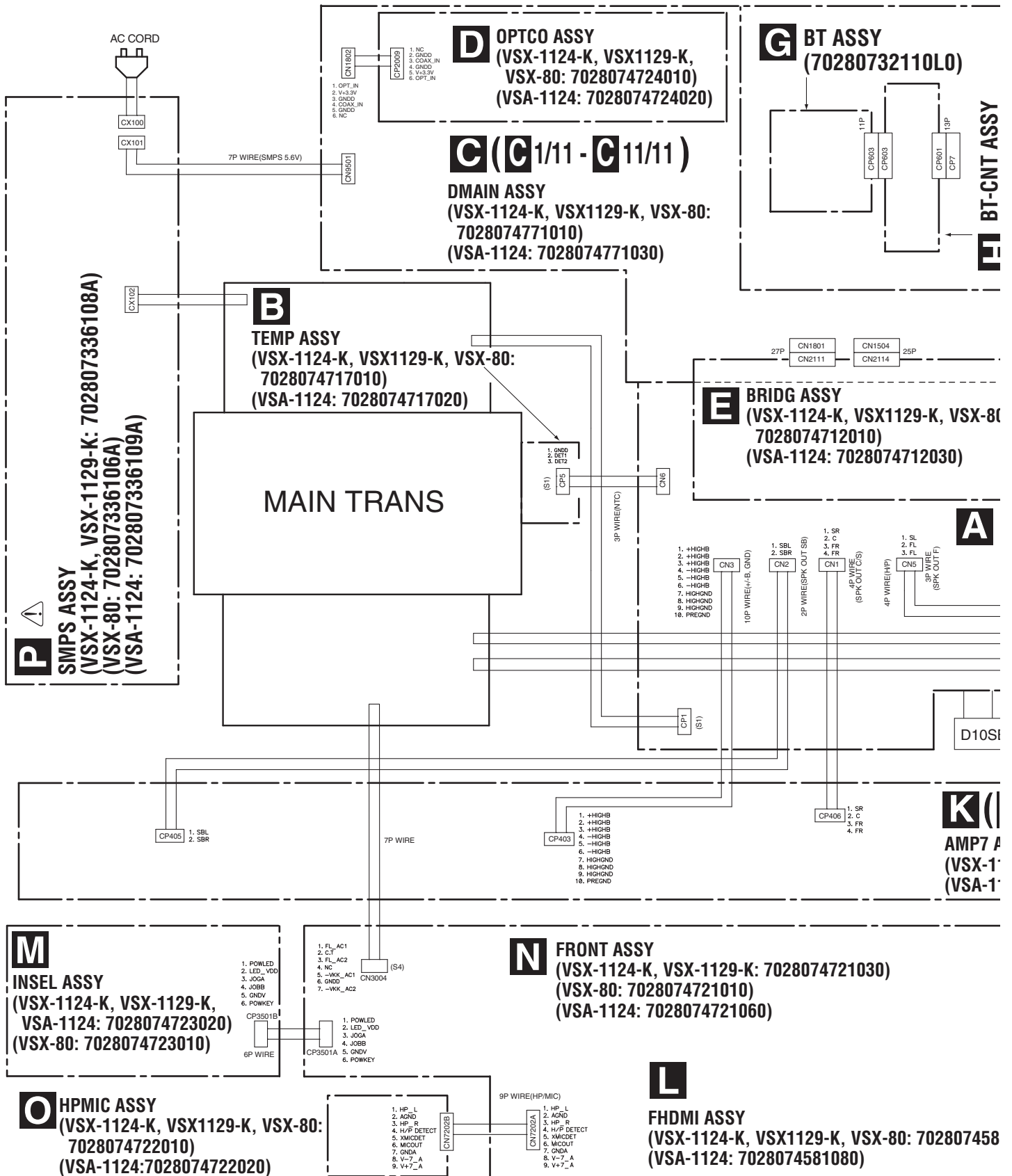
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10. SCHEMATIC DIAGRAM

10.1 OVERALL WIRING DIAGRAM

- When ordering service parts, be sure to refer to "EXPLODED VIEWS and PARTS LIST" or "PCB PARTS LIST".
- The 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」を参照してください。
- 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使用してください。
- 印は電源の供給源を示しています。

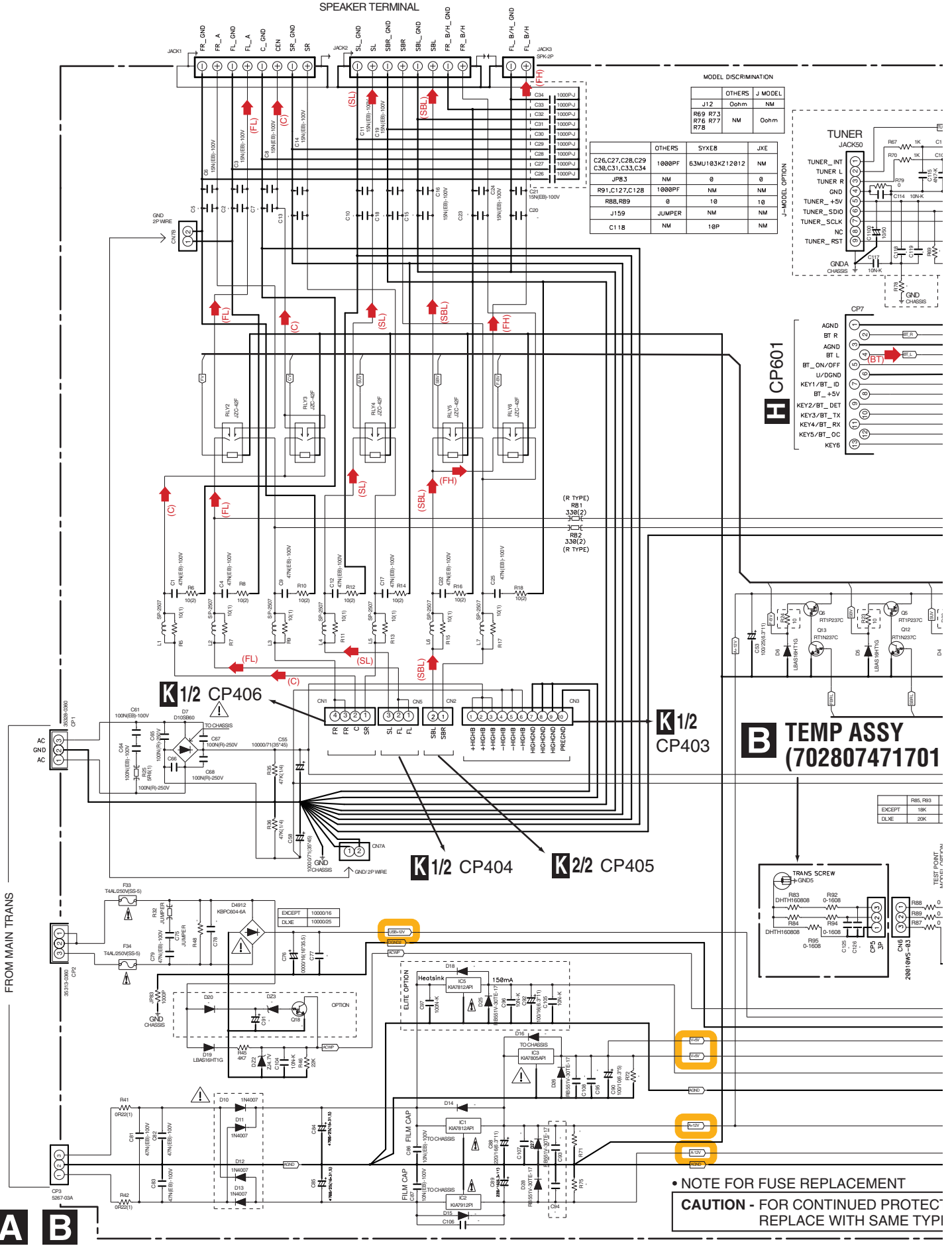


10.2 MAIN and TEMP ASSYS

1 2 3 4

A
B
C
D
E
F
6

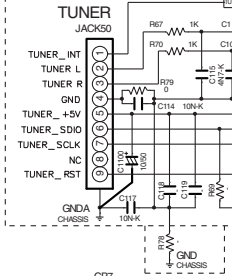
SPEAKER TERMINAL



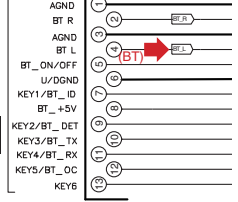
MODEL DISCRIMINATION

J12	OTHERS	J MODEL
R69	0ohm	NM
R76	R77	0ohm
R78	NM	0ohm

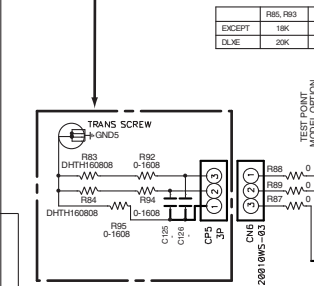
OTHERS	SVXEB	JKE
C26,C27,C28,C29	1000PF	63M103K212012
C30,C31,C33,C34	NM	0
JPE3	0	0
R91,C127,C128	1000PF	NM
R88,R89	0	10
J159	JUMPER	NM
C11B	NM	10P



CP601



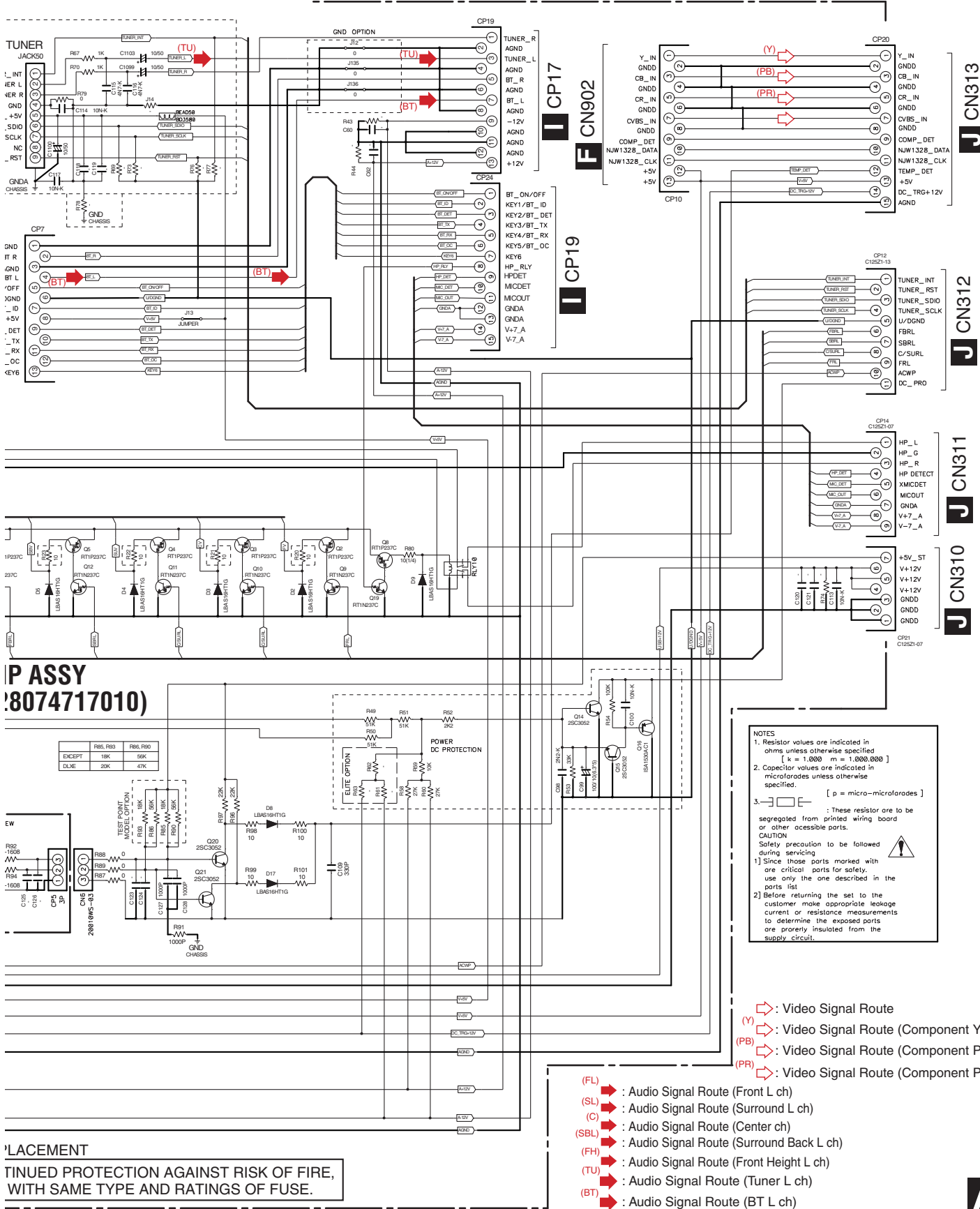
TEMP ASSY (702807471701)



NOTE FOR FUSE REPLACEMENT
CAUTION - FOR CONTINUED PROTECTION
REPLACE WITH SAME TYPE

1 2 3 4

A MAIN ASSY (VSX-1124-K, VSX-1129-K: 7028074711030) (VSX-80: 7028074711010)



P ASSY (8074717010)

	R5L R53	R5L R50
EXCEPT	1K	5K
DLX	20K	47K

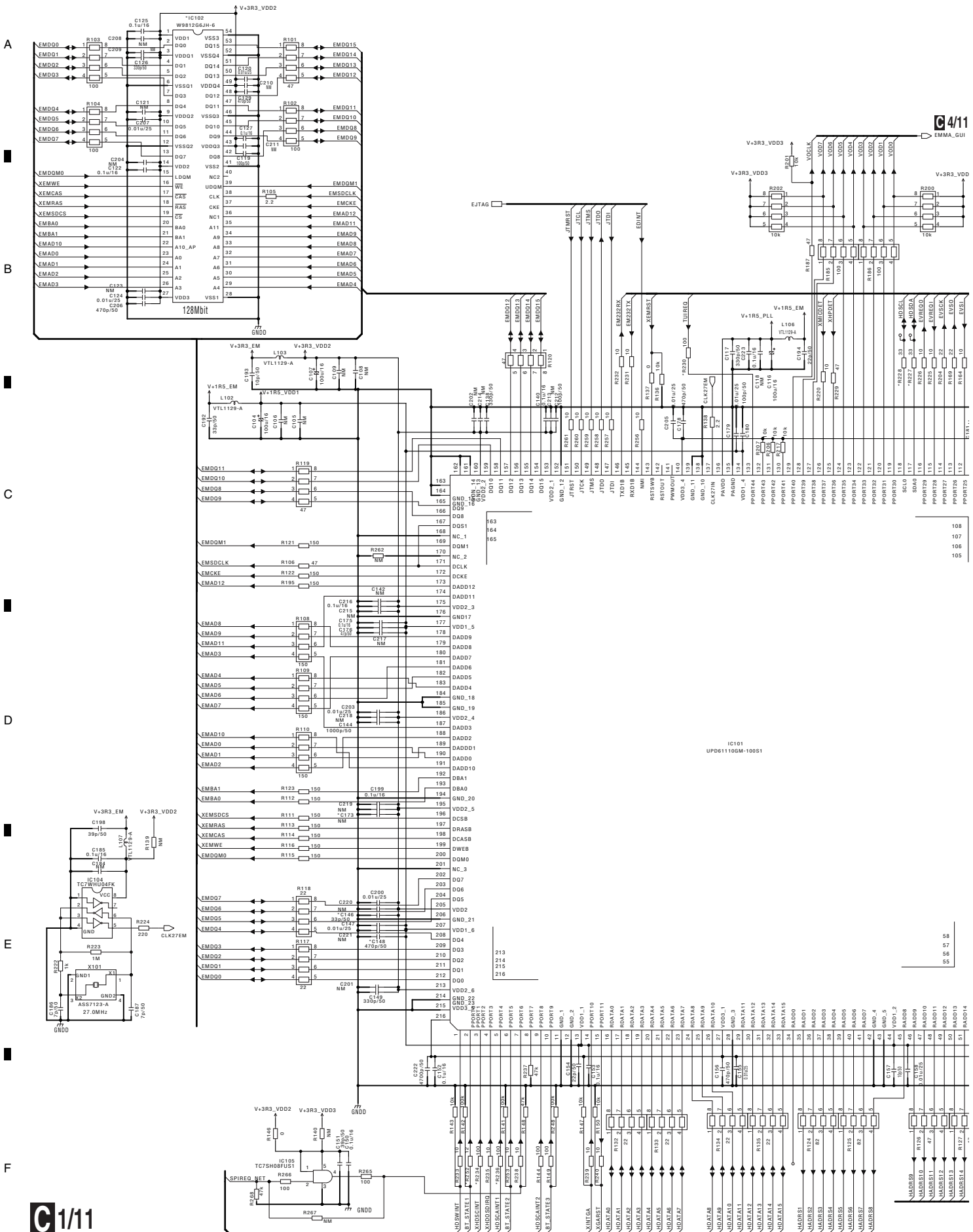
- NOTES**
1. Resistor values are indicated in ohms unless otherwise specified
[k = 1,000 m = 1,000,000]
 2. Capacitor values are indicated in microfarads unless otherwise specified.
 3. [p = micro-microfarads]
- ⏏ : These resistor are to be segregated from printed wiring board or other accessible parts.
- CAUTION**
Safety precaution to be followed during servicing
- 1) Since those parts marked with are critical parts for safety, use only the one described in the parts list
 - 2) 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.

PLACEMENT
CONTINUED PROTECTION AGAINST RISK OF FIRE,
WITH SAME TYPE AND RATINGS OF FUSE.

- (FL) : Video Signal Route
- (Y) : Video Signal Route (Component Y)
- (PB) : Video Signal Route (Component PB)
- (PR) : Video Signal Route (Component PR)
- (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)
- (BT) : Audio Signal Route (BT L ch)



10.3 DMAIN ASSY (1/11)

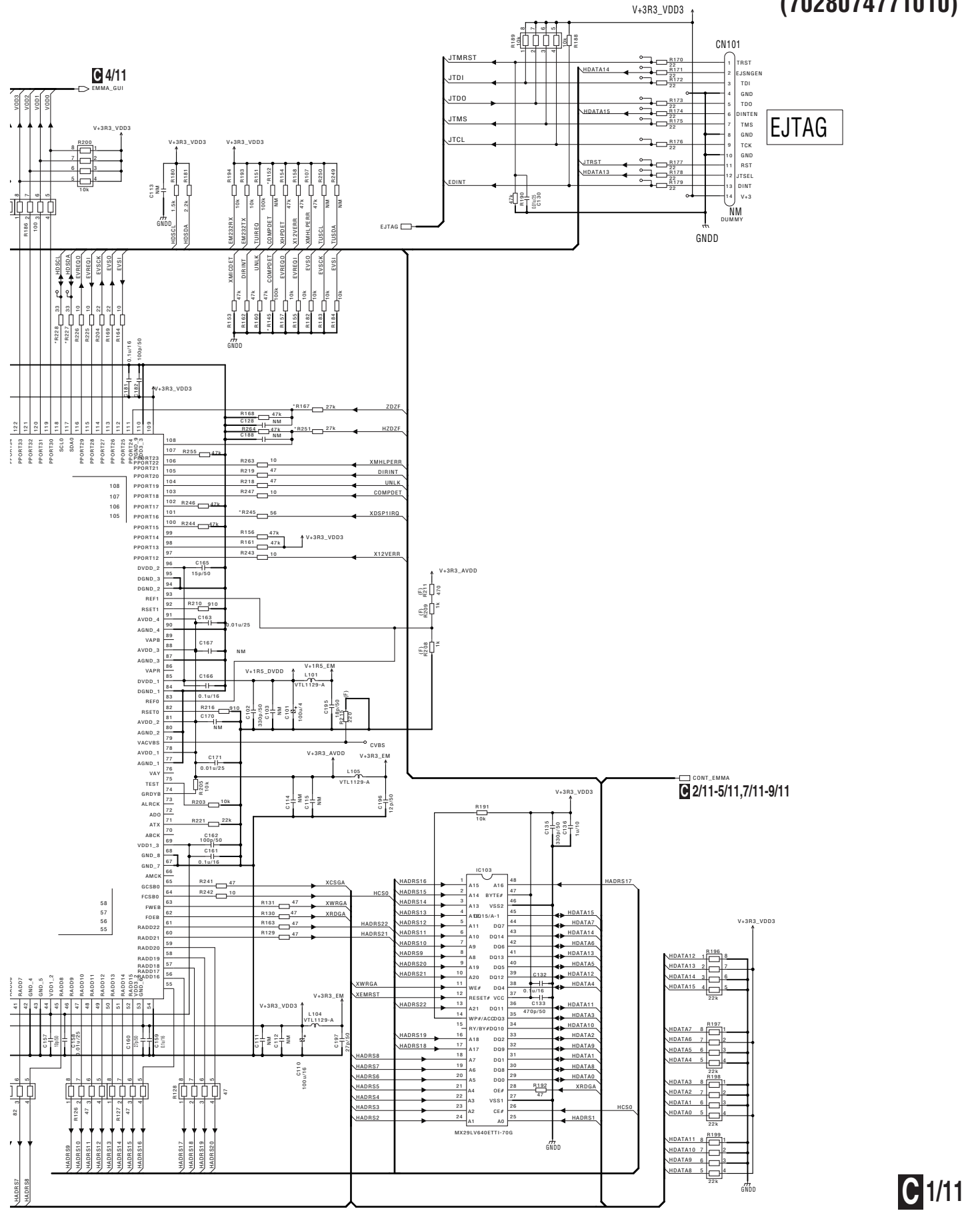


VSX-1124-K



C1/11 DMAIN ASSY (7028074771010)

A
B
C
D
E
F



VSX-1124-K



EJTAG

C2/11-5/11, 7/11-9/11

C4/11

CN101

GNDD

GNDD

10.5 DMAIN ASSY (3/11)

1

2

3

4

A

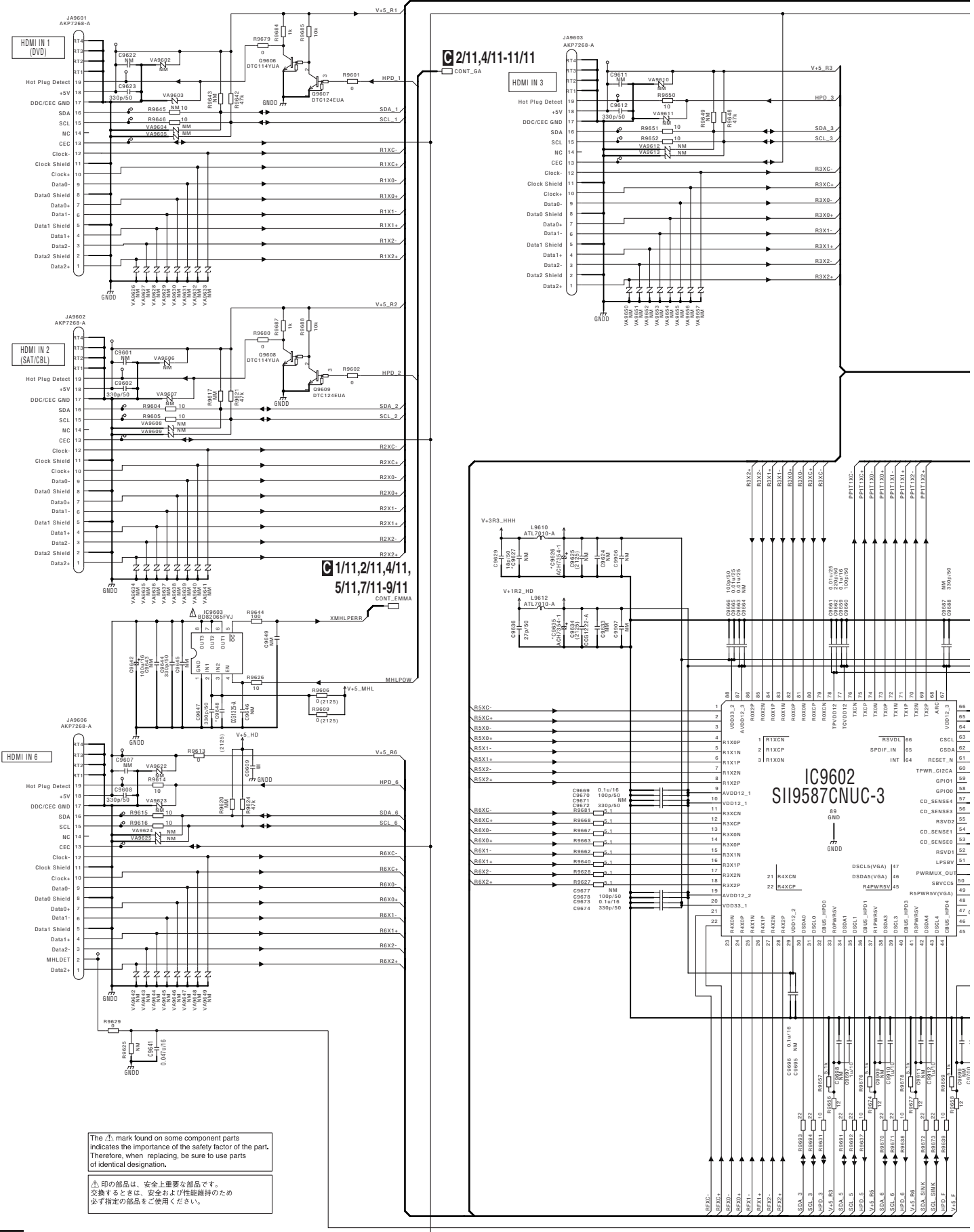
B

C

D

E

F



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.

△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。



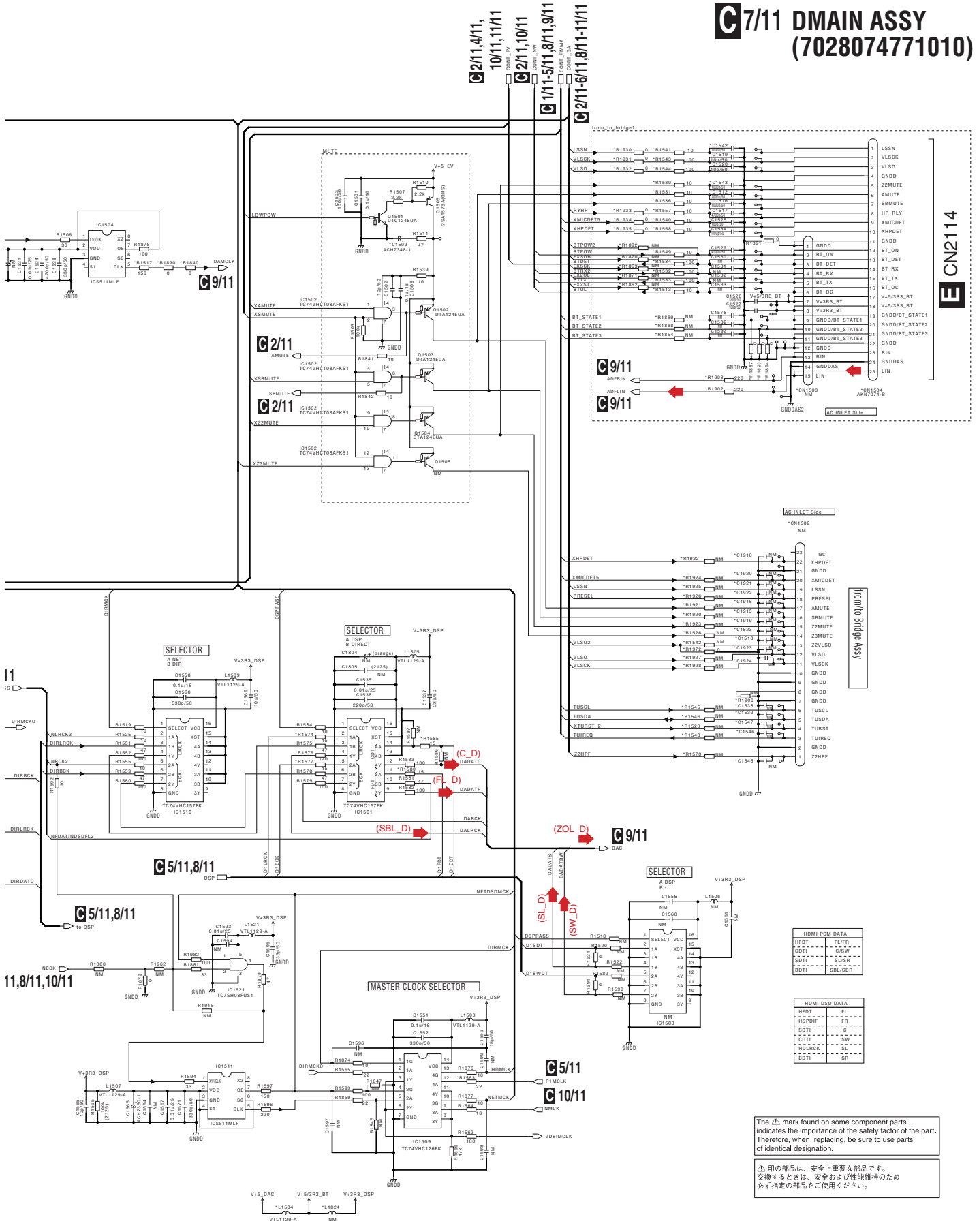
1

2

3

4

C7/11 DMAIN ASSY (7028074771010)



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.

△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。

BT POWER	BT EXTERNAL	BT BUILT IN
REG-H	5V	3.3V

10.10 DMAIN ASSY (8/11)

1

2

3

4

A

B

C

D

E

F



5/11, 10/11

7/11

8/11

VSX-1124-K

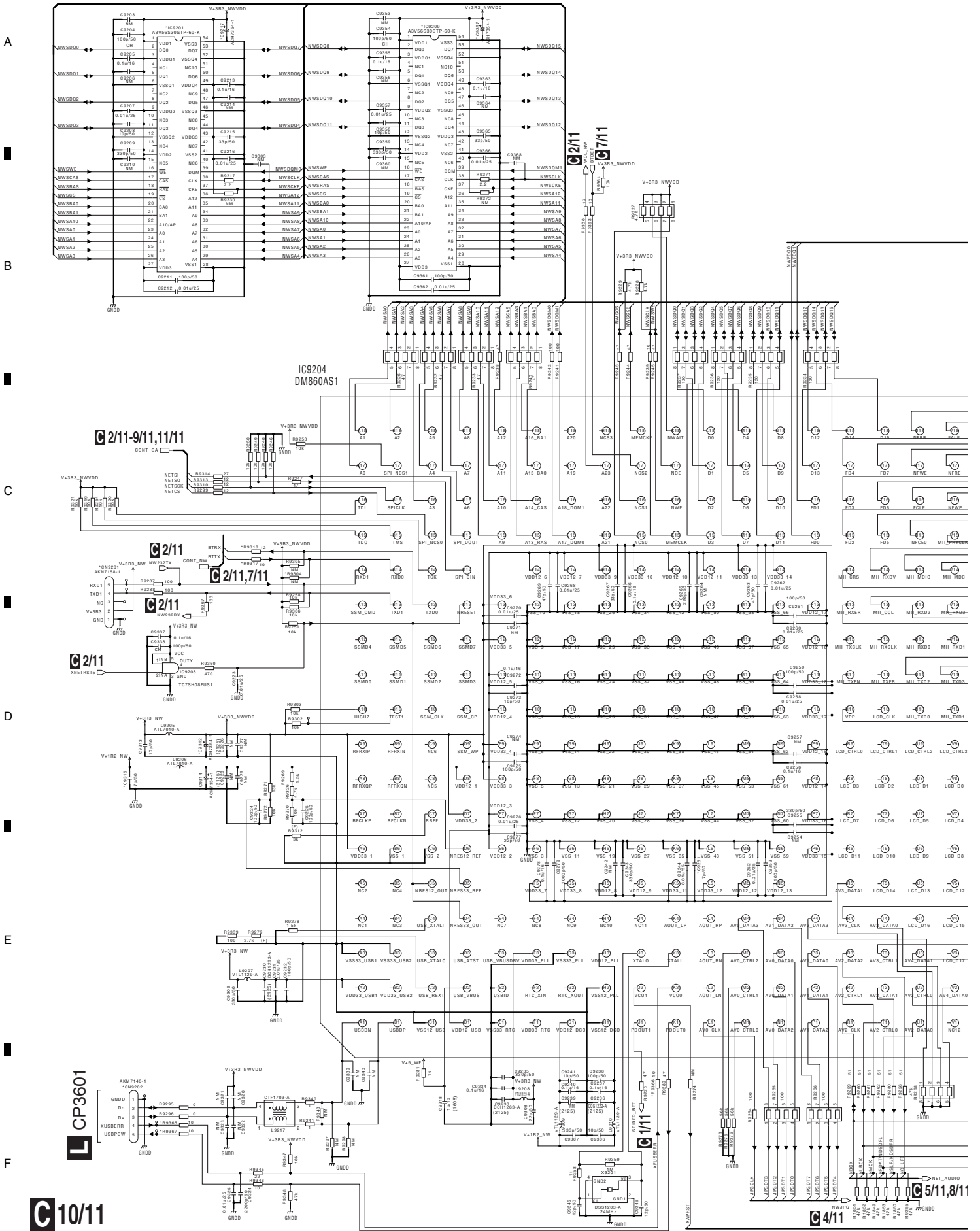
1

2

3

4

10.12 DMAIN ASSY (10/11)



C10/11 DMAIN ASSY (7028074771010)

A

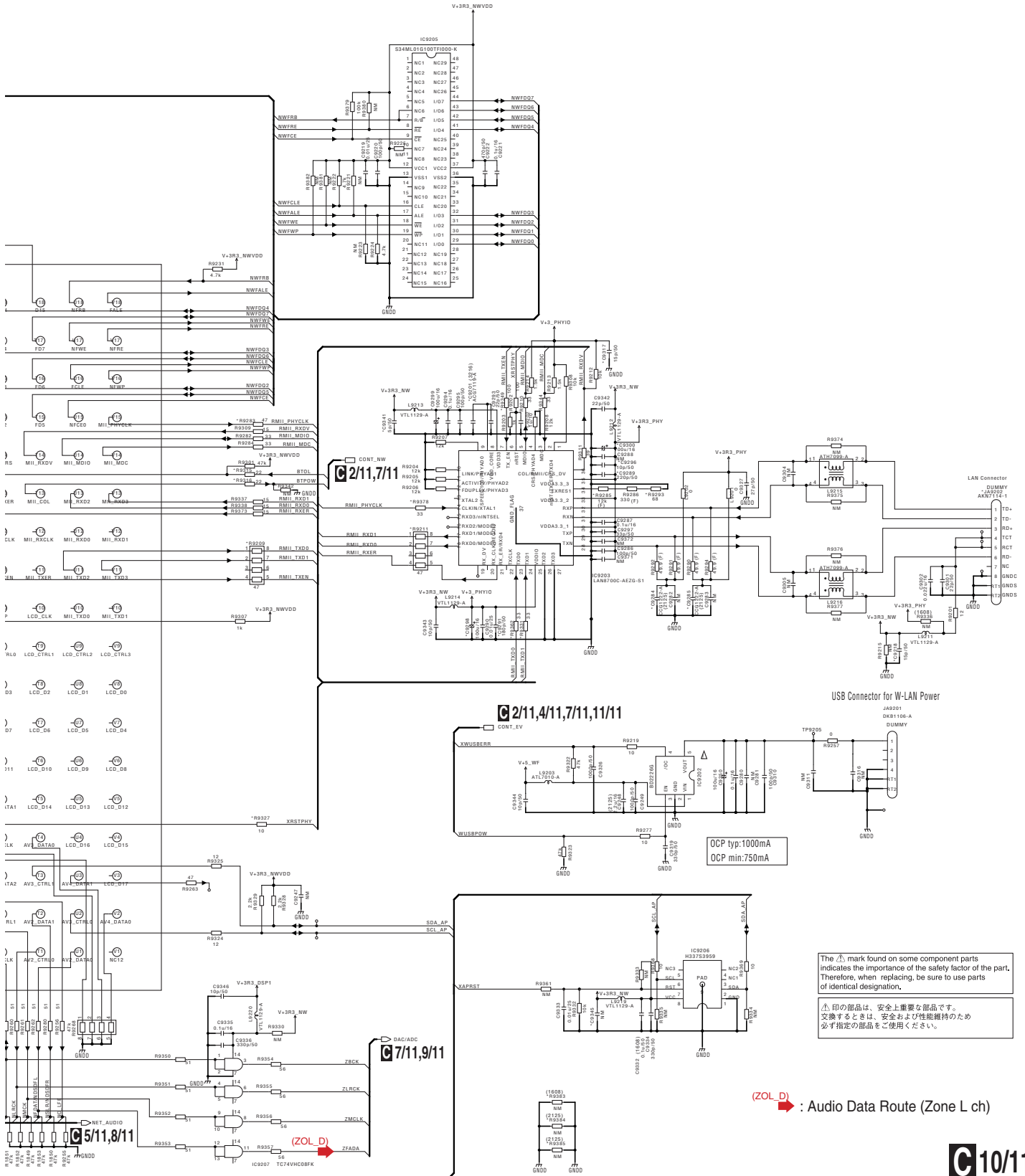
B

C

D

E

F



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。

(ZOL_D) \rightarrow : Audio Data Route (Zone L ch)

10.13 DMAIN ASSY (11/11)

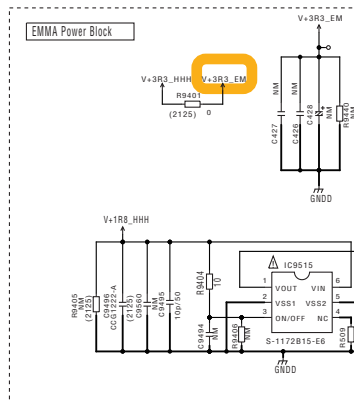
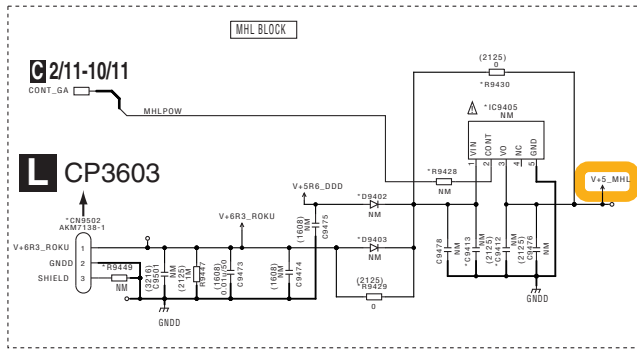
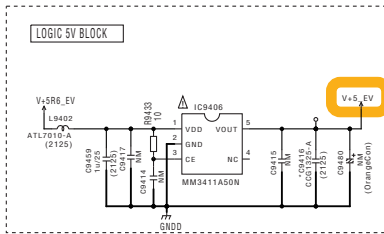
1

2

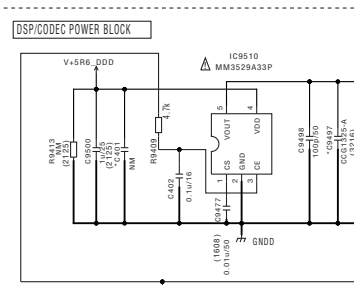
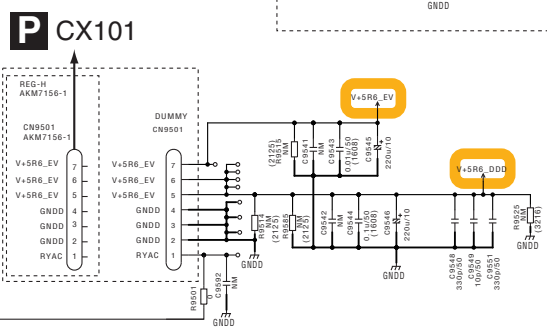
3

4

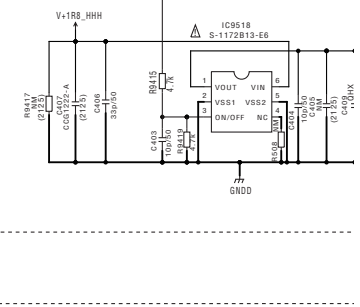
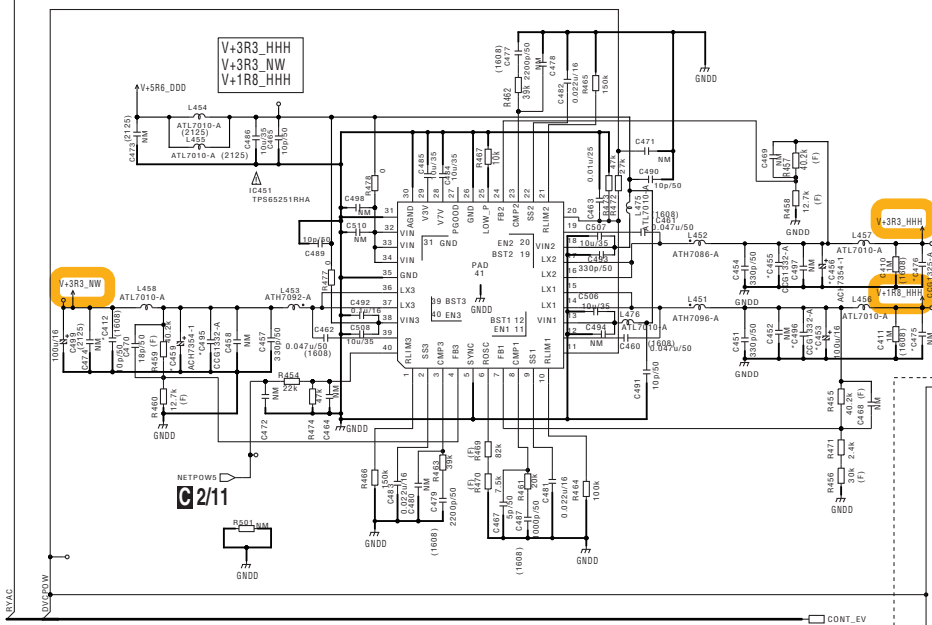
A



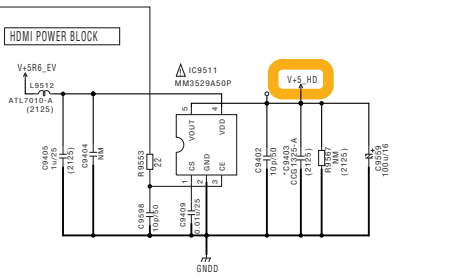
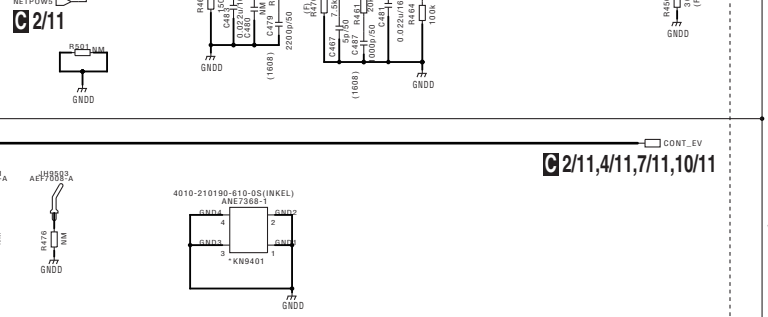
B



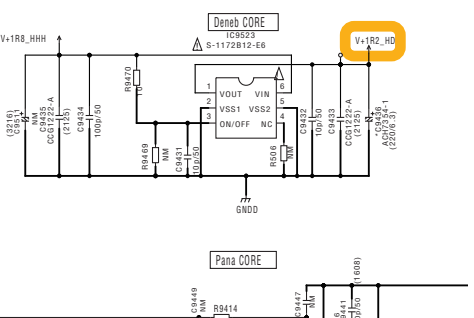
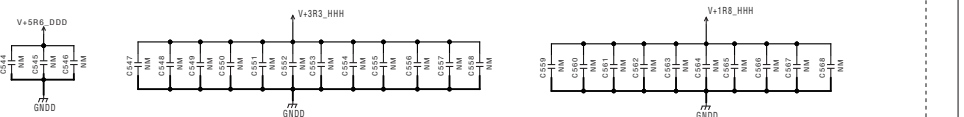
C



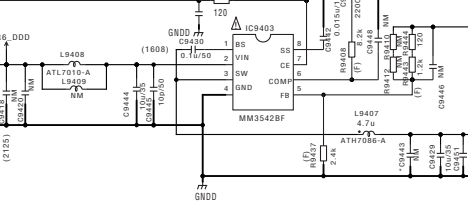
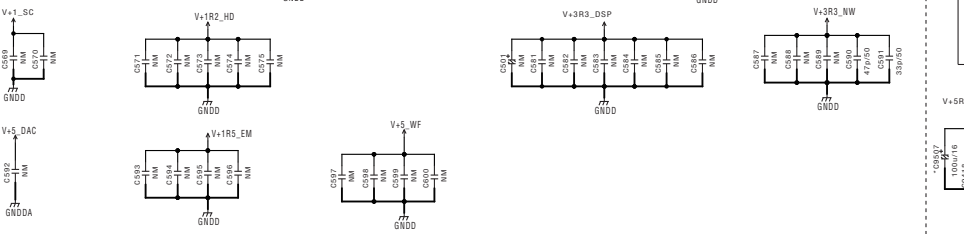
D



E



F



C11/11

VSX-1124-K

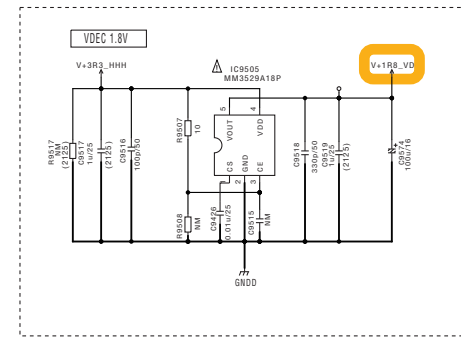
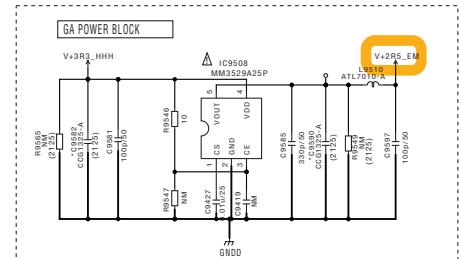
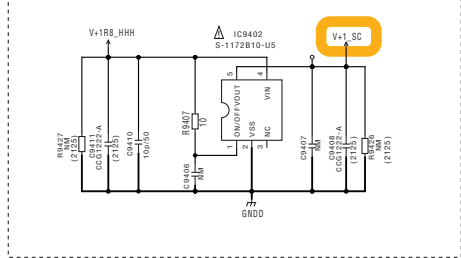
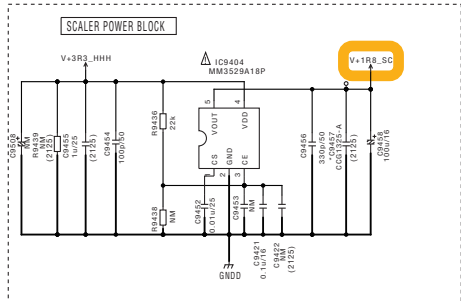
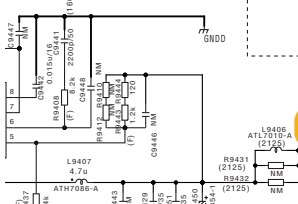
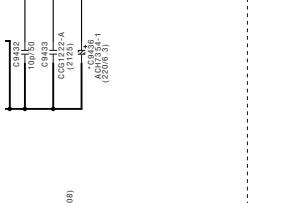
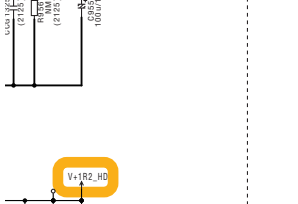
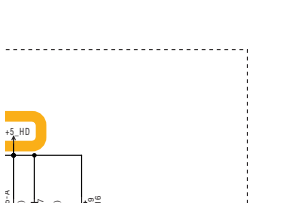
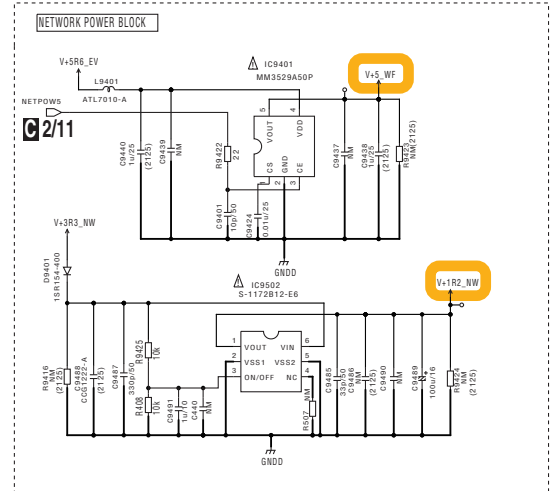
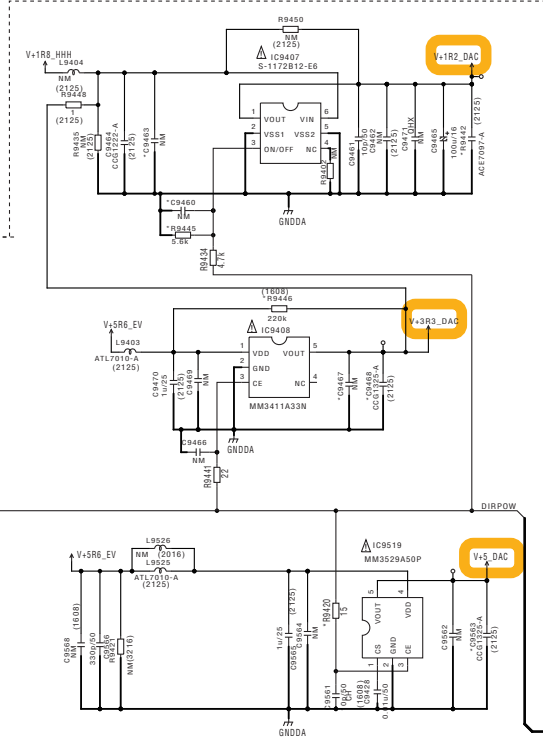
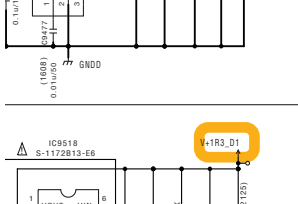
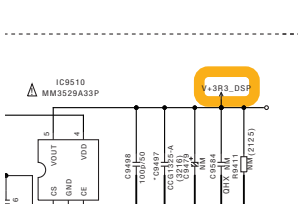
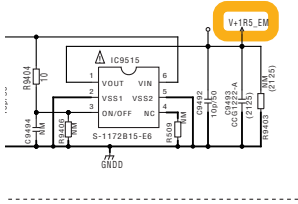
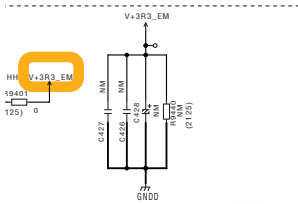
1

2

3

4

C11/11 DMAIN ASSY (7028074771010)



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利用ください。

1u/10は全てDCH1246-Aのこと。
All 1u/10 is DCH1246-A.
CCG1222-A: 4.7u/25V

Contrast Table for DMAIN ASSY

AWX1662 (REG-H_CU): VSX-1124-K/CUXESM, VSX-1129-K/CUXE, VSX-80/CUXE
 AWX1913 (REG-H_SY): VSX-924-K/SYXE8, VSX-924-S/SYXE8
 AWX1915 (REG-H_JP): VSA-1124/JXE
 AWX1916 (REG-H_DL): VSX-924-K/FXE, VSX-924-K/DLXE, VSX-924-K/AXQ5

C/1/11

	AWX1662 (REG-H_CU)	AWX1913 (REG-H_SY)	AWX1915 (REG-H_JP)	AWX1916 (REG-H_DL)
C146	100p/50	33p/50	33p/50	100p/50
C148	470p/50	NM	470p/50	470p/50
C173	NM	820p/50	NM	NM
R167	22k	27k	27k	22k
R227	10	33	33	10
R228	10	33	33	10
R230	10	100	100	10
R234	10	100	100	10
R236	10	100	100	10
R245	47	56	56	47
R251	22k	27k	27k	22k
R252	10	12	12	10

C/2/11

	AWX1662 (REG-H_CU)	AWX1913 (REG-H_SY)	AWX1915 (REG-H_JP)	AWX1916 (REG-H_DL)
C609	NM	ACE7099-A	NM	NM
C649	330p/50	330p/50	220p/50	330p/50
C713	NM	0.1u/16	0.1u/16	NM
C721	1000p/50	NM	NM	1000p/50
C720	1000p/50	0	0	1000p/50
R600	0	0	10	0
R640	100	10	NM	100
R651	100	110	110	100
R657	100	NM	100	100
R677	47	100	100	47
R683	100	10	NM	100
R690	100	10	NM	100
R697	0	100	100	0
R710	NM	100	NM	NM
R731	10	100	100	10
R740	10	100	100	10
R762	100	120	120	100
R772	100	0	0	100
R811	100	10	NM	100
R824	47	56	56	47
R825	47	56	56	47
R852	100	110	110	100
R855	12	33	33	12
R856	12	33	33	12
R857	100	110	110	100
R858	100	110	110	100
R859	100	110	110	100
R861	4.7k	10k	10k	4.7k
R862	4.7k	10k	10k	4.7k
R889	10	24	24	10

C/3/11

	AWX1662 (REG-H_CU)	AWX1913 (REG-H_SY)	AWX1915 (REG-H_JP)	AWX1916 (REG-H_DL)
C9626	100u/16	ACH7354-1	ACH7354-1	100u/16
C9627	0.01u/25	NM	NM	0.01u/25
C9648	VCG1072-A	CCG1325-A	CCG1325-A	VCG1072-A
R9633	10	33	33	10
R9647	10	33	33	10

C/4/11

	AWX1662 (REG-H_CU)	AWX1913 (REG-H_SY)	AWX1915 (REG-H_JP)	AWX1916 (REG-H_DL)
C967	33p/50	33p/50	5p/50	33p/50

C/5/11

	AWX1662 (REG-H_CU)	AWX1913 (REG-H_SY)	AWX1915 (REG-H_JP)	AWX1916 (REG-H_DL)
C1457	0.01u/25	NM	NM	0.01u/25
C1458	NM	0.01u/25	0.01u/25	NM
C1459	1u/10	NM	NM	1u/10
C1468	100p/50	12p/50	12p/50	100p/50
C1469	1u/10	NM	NM	1u/10
C1602	330p/50	100p/50	100p/50	330p/50
C1605	NM	ACH7395-A_Po	ACH7395-A_Po	NM
C1606	NM	0.01u/50	0.01u/50	NM
C1607	0.01u/50	NM	NM	0.01u/50
C1614	15p/50	15p/50	7p/50	15p/50
C1627	1u/25	ACG7117-A	ACG7117-A	1u/25
C1631	330p/50	15p/50	15p/50	330p/50
C1633	1u/25	CCG1325-A	CCG1325-A	1u/25
C1644	22p/50	NM	NM	22p/50
C1654	NM	ACH7306-A	ACH7306-A	NM
C1655	100u/16	ACH7354-1	ACH7354-1	100u/16
C1660	NM	100u/16	100u/16	NM
C1661	CCG1222-A	NM	NM	CCG1222-A
C1662	1u/10	0.1u/16	0.1u/16	1u/10
C1663	NM	47p/50	47p/50	NM
C1671	1000p/50	22p/50	22p/50	1000p/50
C1682	0.1u/16	NM	NM	0.1u/16
C1683	NM	0.1u/16	0.1u/16	NM
C1686	0.01u/50	NM	NM	0.01u/50
C1690	220p/50	33p/50	33p/50	220p/50
C1694	470p/50	330p/50	330p/50	470p/50
C1699	NM	NM	15p/50	NM
C1702	NM	NM	10p/50	NM
C1704	NM	0.01u/50	0.01u/50	NM
C1714	1u/25	CCG1325-A	CCG1325-A	1u/25
C1718	NM	NM	5p/50	NM
C1720	22p/50	22p/50	18p/50	22p/50
C1731	470p/50	47p/50	47p/50	470p/50
C1735	NM	1u/10	1u/10	NM
C1739	NM	NM	10p/50	NM
C1745	470p/50	2700p/50	2700p/50	470p/50

C/5/11

	AWX1662 (REG-H_CU)	AWX1913 (REG-H_SY)	AWX1915 (REG-H_JP)	AWX1916 (REG-H_DL)
C1749	0.01u/25	NM	NM	0.01u/25
C1750	1u/10	0.01u/25	0.01u/25	1u/10
R1604	100	NM	NM	100
R1605	10	47	100	10
R1626	100	150	150	100
R1636	100	120	120	100
R1639	100	150	150	100
R1646	47	68	68	47
R1648	100	150	150	100
R1649	100	150	150	100
R1650	100	150	150	100
R1659	100	150	150	100
R1673	0	22	22	0
R1677	33	47	47	33
R1678	22	47	47	22
R1679	33	47	47	33
R1680	33	47	47	33
R1686	100	150	150	100
R1687	33	47	47	33
R1690	33	47	47	33
R1699	10	12	12	10
R1706	47	68	68	47
R1707	47	68	68	47
R1708	47	68	68	47
R1709	47	68	68	47
R1712	100	NM	NM	100
R1713	100	NM	NM	100
R1717	22	33	47	22
R1718	22	33	47	22
R1719	22	33	47	22
R1743	22	47	47	22
R1744	22	47	47	22

C/6/11

	AWX1662 (REG-H_CU)	AWX1913 (REG-H_SY)	AWX1915 (REG-H_JP)	AWX1916 (REG-H_DL)
C1210	NM	ACG7118-A	ACG7118-A	NM
C1228	DCH1201-A	CCG1325-A	CCG1325-A	DCH1201-A
C1328	NM	NM	12p/50	NM

C/7/11

	AWX1662 (REG-H_CU)	AWX1913 (REG-H_SY)	AWX1915 (REG-H_JP)	AWX1916 (REG-H_DL)
C1505	0.1u/16	0.01u/25	0.01u/25	0.1u/16
C1506	470p/50	330p/50	330p/50	470p/50
R1513	10	NM	10	10
R1517	100	100	150	100
R1532	100	NM	100	100
R1533	100	NM	100	100
R1534	100	NM	100	100
R1549	10	NM	10	10
R1840	47	47	0	47
R1854	NM	10	NM	NM
R1862	NM	100	NM	NM
R1869	NM	100	NM	NM
R1870	NM	100	NM	NM
R1871	NM	100	NM	NM
R1887	0	NM	0	0
R1888	NM	10	NM	NM
R1889	NM	10	NM	NM
R1890	VTL1128-A	VTL1128-A	0	VTL1128-A
R1892	NM	10	NM	NM
R1893	0	NM	0	0
R1894	0	NM	0	0
R1902	120	330	220	120
R1903	120	330	220	120
C1572	0.1u/16	0.01u/25	0.01u/25	0.1u/16
C1576	220p/50	10p/50	10p/50	220p/50
C1585	270p/50	180p/50	180p/50	270p/50
R1535	12	22	22	12
R1563	15	22	22	15
R1569	12	22	22	12
R1574	10	15	15	10
R1576	100	120	120	100
R1577	10	15	15	10
R1580	10	15	15	10
R1585	10	15	15	10
R1837	0	10	10	0
R1844	0	10	10	0
R1855	120	150	150	120
R1897	0	10	10	0
L1504	VTL1129-A	NM	VTL1129-A	VTL1129-A
L1824	NM	VTL1129-A	NM	NM

C/8/11

	AWX1662 (REG-H_CU)	AWX1913 (REG-H_SY)	AWX1915 (REG-H_JP)	AWX1916 (REG-H_DL)
C9005	100u/16	ACH7354-1	ACH7354-1	100u/16
C9010	0.01u/25	NM	NM	0.01u/25
C9011	NM	0.01u/25	0.01u/25	NM
C9020	10p/50	0.01u/25	0.01u/25	10p/50
C9029	100u/16	ACH7354-1	ACH7354-1	100u/16
C9038	27p/50	1800p/50	1800p/50	27p/50
C9041	0.01u/25	10p/50	10p/50	0.01u/25
C9043	0.1u/16	0.1u/16	0.01u/25	0.1u/16
C9044	NM	NM	0.1u/16	NM
C9046	100p/50	100p/50	7p/50	100p/50
C9054	33p/50	33p/50	10p/50	33p/50
C9073	NM	NM	0.1u/16	NM

C8/11

	AWX1662 (REG-H_CU)	AWX1913 (REG-H_SY)	AWX1915 (REG-H_JP)	AWX1916 (REG-H_DL)
C9086	0.01u/25	0.01u/25	NM	0.01u/25
C9092	470p/50	470p/50	22p/50	470p/50
C9096	0.1u/16	0.1u/16	10p/50	0.1u/16
C9100	33p/50	NM	NM	33p/50
C9112	NM	0.01u/25	0.01u/25	NM
C9113	NM	0.1u/16	0.1u/16	NM
C9143	NM	0.01u/25	0.01u/25	NM
C9144	0.1u/16	NM	NM	0.1u/16
R9026	15	15	22	15
R9029	47	56	56	47
R9032	150	150	120	150
R9034	33	36	36	33
R9038	47	51	51	47
R9041	47	100	100	47
R9042	47	100	100	47
R9045	47	56	56	47
R9046	47	100	100	47
R9047	47	56	56	47
R9048	15	15	22	15
R9050	47	100	100	47
R9063	47	51	51	47
R9069	47	51	56	47
R9072	47	51	56	47
R9080	47	56	56	47
R9083	47	51	56	47
R9084	47	56	56	47
R9085	47	51	82	47
R9088	47	100	100	47
R9101	27	47	47	27
R9102	27	47	47	27
R9103	27	47	47	27
R9104	27	47	47	27
R9105	27	47	47	27
R9106	27	47	47	27
R9107	27	47	47	27
R9108	220	270	270	220
R9109	220	270	270	220
R9110	220	270	270	220
R9111	220	270	270	220
R9112	220	270	270	220
R9113	220	270	270	220
R9114	220	270	270	220
R9134	NM	0	0	NM
R9147	100	330	330	100

C9/11

	AWX1662 (REG-H_CU)	AWX1913 (REG-H_SY)	AWX1915 (REG-H_JP)	AWX1916 (REG-H_DL)
C1856	0.1u/16	NM	NM	0.1u/16
C1881	0.1u/16	NM	NM	0.1u/16
C1912	0.01u/50	NM	NM	0.01u/50
C1913	330p/50	NM	NM	330p/50
C1914	82p/50	NM	NM	82p/50
C9705	0.1u/16	NM	NM	0.1u/16
C9708	330p/50	22p/50	22p/50	330p/50
C9713	330p/50	NM	NM	330p/50
C9722	0.1u/50	0.01u/50	0.01u/50	0.1u/50
C9728	0.01u/50	NM	NM	0.01u/50
C9731	0.01u/50	NM	NM	0.01u/50
C9732	330p/50	NM	NM	330p/50
C9737	NM	ACE7107-A	ACE7107-A	NM
C9738	330p/50	ACE7107-A	ACE7107-A	330p/50
C9781	NM	0.01u/50	0.01u/50	NM
C9784	NM	ACE7099-A	ACE7099-A	NM
R8829	NM	470p/50	470p/50	NM
R8830	NM	470p/50	470p/50	NM
R1550	47k	100k	100k	47k
R1812	47k	100k	100k	47k
R1813	22	27	33	22
R1814	22	27	33	22
R1815	22	27	33	22
R1816	22	27	33	22
R1817	22	27	33	22
R1818	22	27	33	22
R1819	22	27	33	22
R1820	22	27	33	22
R1882	15	22	22	15
R1883	15	22	22	15
R1884	15	22	22	15
R1885	15	22	22	15
R1936	NM	0	0	NM
R1937	NM	0	0	NM
R1938	NM	0	0	NM
R1939	NM	0	0	NM
R1940	NM	0	0	NM
R1941	NM	0	0	NM
R1942	NM	0	0	NM
R1943	NM	0	0	NM
R1946	NM	0	0	NM
R1949	NM	0	0	NM
R1950	NM	0	0	NM
R1952	47k	100k	100k	47k
R1953	47k	100k	100k	47k
R1954	15	22	22	15
R1955	15	22	22	15
R1956	15	22	22	15
R1957	15	22	22	15
R1970	NM	0	0	NM
R9701	100	120	120	100
R9702	100	120	120	100
R9703	100	120	120	100
R9704	100	120	120	100
R9715	1	NM	NM	1
R9718	100	100	51	100

C9/11

	AWX1662 (REG-H_CU)	AWX1913 (REG-H_SY)	AWX1915 (REG-H_JP)	AWX1916 (REG-H_DL)
R9720	0	1	1	0
R9721	0	1	1	0
R9722	0	1	1	0
R9723	0	1	1	0
R9724	0	1	1	0
R9725	0	1	1	0
R9726	0	1	1	0
R9727	0	1	1	0
R9728	220	22	22	220
R9729	47k	56k	56k	47k
R9731	0	1	1	0
R9732	0	1	1	0
R9733	0	1	1	0
R9734	0	1	1	0
R9735	0	1	1	0
R9736	0	1	1	0
R9737	0	1	1	0
R9738	0	1	1	0
R9740	0	NM	NM	0
R9741	0	22	22	0
R9813	NM	1	1.2	NM
R9814	NM	0	0	NM
R9815	0	22	22	0
R9823	NM	0	0	NM
R9824	NM	0	0	NM
R9825	0	NM	NM	0
R9826	0	NM	NM	0

C10/11

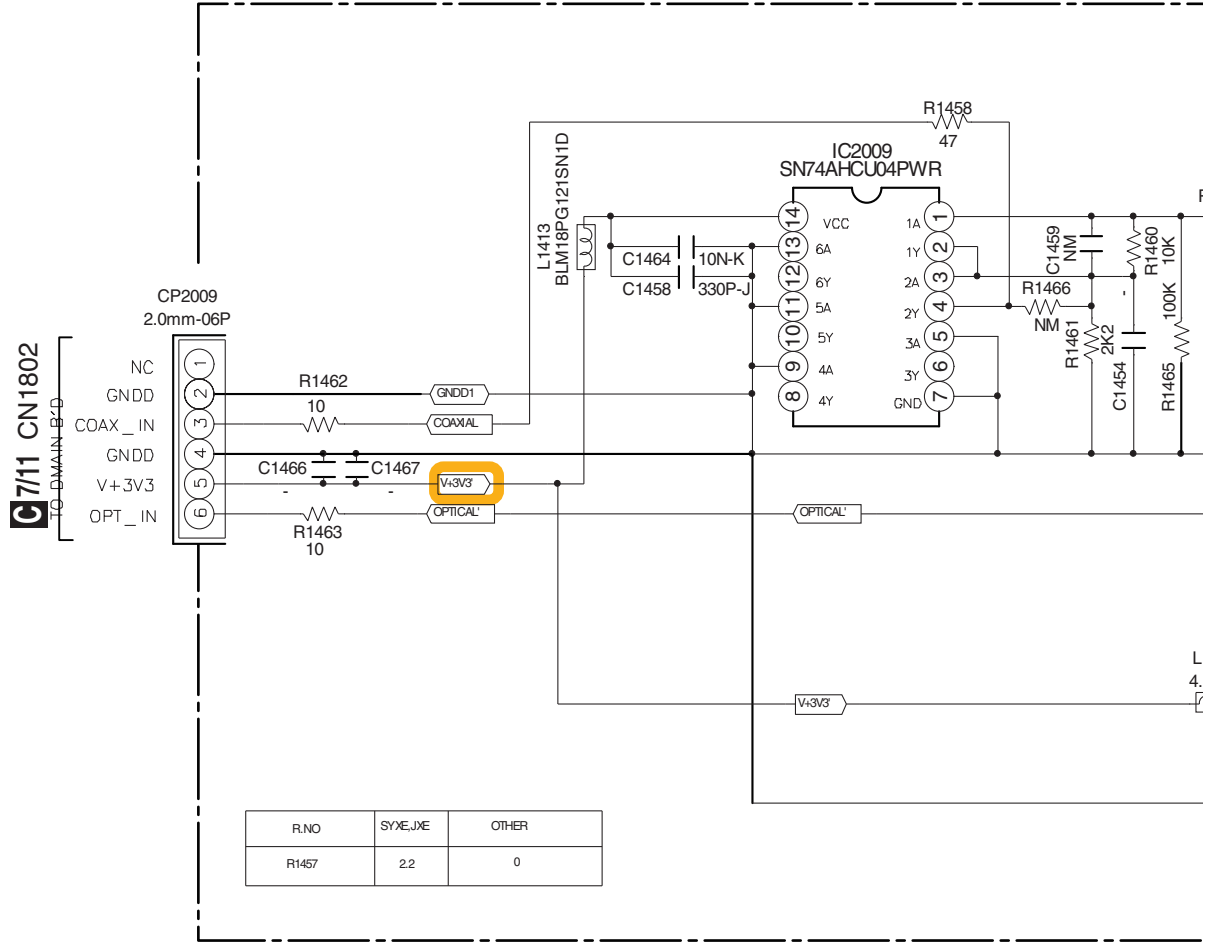
	AWX1662 (REG-H_CU)	AWX1913 (REG-H_SY)	AWX1915 (REG-H_JP)	AWX1916 (REG-H_DL)
C9201	1u/25	ACG7119-A	ACG7119-A	1u/25
C9218	NM	15p/50	15p/50	NM
C9251	330p/50	330p/50	7p/50	330p/50
C9284	4.7u/16	CCG1222-A	CCG1222-A	4.7u/16
C9285	4.7u/16	CCG1222-A	CCG1222-A	4.7u/16
C9289	330p/50	330p/50	220p/50	330p/50
C9291	330p/50	330p/50	180p/50	330p/50
C9293	33p/50	22p/50	22p/50	33p/50
C9296	NM	NM	10p/50	NM
C9298	NM	100u/16	100u/16	NM
C9299	NM	100u/16	100u/16	NM
C9300	NM	100u/16	100u/16	NM
C9315	22p/50	22p/50	7p/50	22p/50
C9317	NM	NM	15p/50	NM
C9341	33p/50	33p/50	5p/50	33p/50
C9345	33p/50	NM	NM	33p/50
R9209	39	39	47	39
R9211	39	39	47	39
R9283	39	39	47	39
R9285	68	12k	12k	68
R9293	12k	68	68	12k
R9304	NM	47k	NM	NM
R9315	10	NM	22	10
R9316	22	NM	22	22
R9317	10	NM	10	10
R9318	12	NM	12	12
R9327	0	0	10	0
R9331	22	33	33	22
R9349	22	33	100	22
R9362	22	33	33	22
R9365	0	0	10	0
R9366	0	10	10	0
R9367	0	10	10	0
R9378	22	27	33	22

C11/11

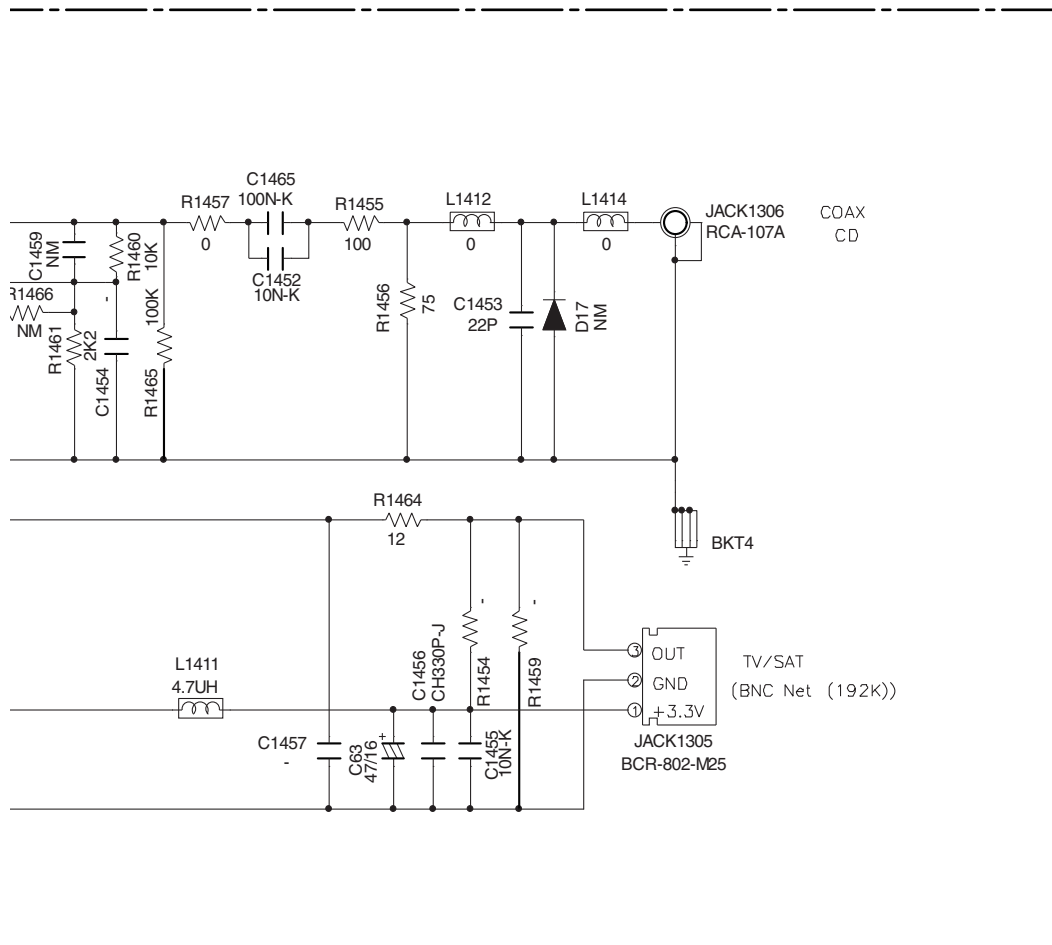
	AWX1662 (REG-H_CU)	AWX1913 (REG-H_SY)	AWX1915 (REG-H_JP)	AWX1916 (REG-H_DL)
C401	100p/50	NM	NM	100p/50
C408	100u/16	VCH1234-A	VCH1234-A	100u/16
C412	NM	10p/50	10p/50	NM
C453	NM	100u/16	100u/16	NM
C455	10u/35	CCG1332-A	CCG1332-A	10u/35
C475	1u/25	NM	NM	1u/25
C476	1u/25	CCG1325-A	CCG1325-A	1u/25
C495	10u/35	CCG1332-A	CCG1332-A	10u/35
C496	10u/35	CCG1332-A	CCG1332-A	10u/35
C9403	1u/25	CCG1325-A	CCG1325-A	1u/25
C9412	CCG1222-A	NM	NM	NM
C9413	DCH1201-A	NM	NM	NM
C9416	1u/25	CCG1325-A	CCG1325-A	1u/25
C9420	33p/50	NM	NM	33p/50
C9443	330p/50	NM	NM	330p/50
C9457	1u/25	CCG1325-A	CCG1325-A	1u/25
C9460	10p/50	NM	NM	10p/50
C9463	33p/50	NM	NM	33p/50
C9467	12p/50	NM	NM	12p/50
C9468	1u/25	CCG1325-A	CCG1325-A	1u/25
C9497	1u/25	CCG1325-A	CCG1325-A	1u/25
C9507	NM	100u/16	100u/16	NM
C9563	1u/25	CCG1325-A	CCG1325-A	1u/25
C9582	1u/25	CCG1325-A	CCG1325-A	1u/25
C9590	1u/25	CCG1325-A	CCG1325-A	1u/25
R9442	NM	ACE7097-A	ACE7097-A	NM
R9420	12	15	15	12
R9428	100	NM	NM	NM
R9429	NM	0	0	0
R9430	NM	0	0	0
R9445	4.7k	4.7k	5.6k	4.7k
R9446	NM	220k	220k	NM
IC9405	NJM2819ADL3-05	NM	NM	NM
D9402	RB051L-40	NM	NM	NM
D9403	RB068L-40	NM	NM	NM

10.14 OPTCO ASSY

D OPTCO ASSY (7028074724010)



R.NO	SYXJXE	OTHER
R1457	2.2	0



10.15 BRIDG ASSY

1

2

3

4

A

C 9/11 CN1801

C 7/11 CN150

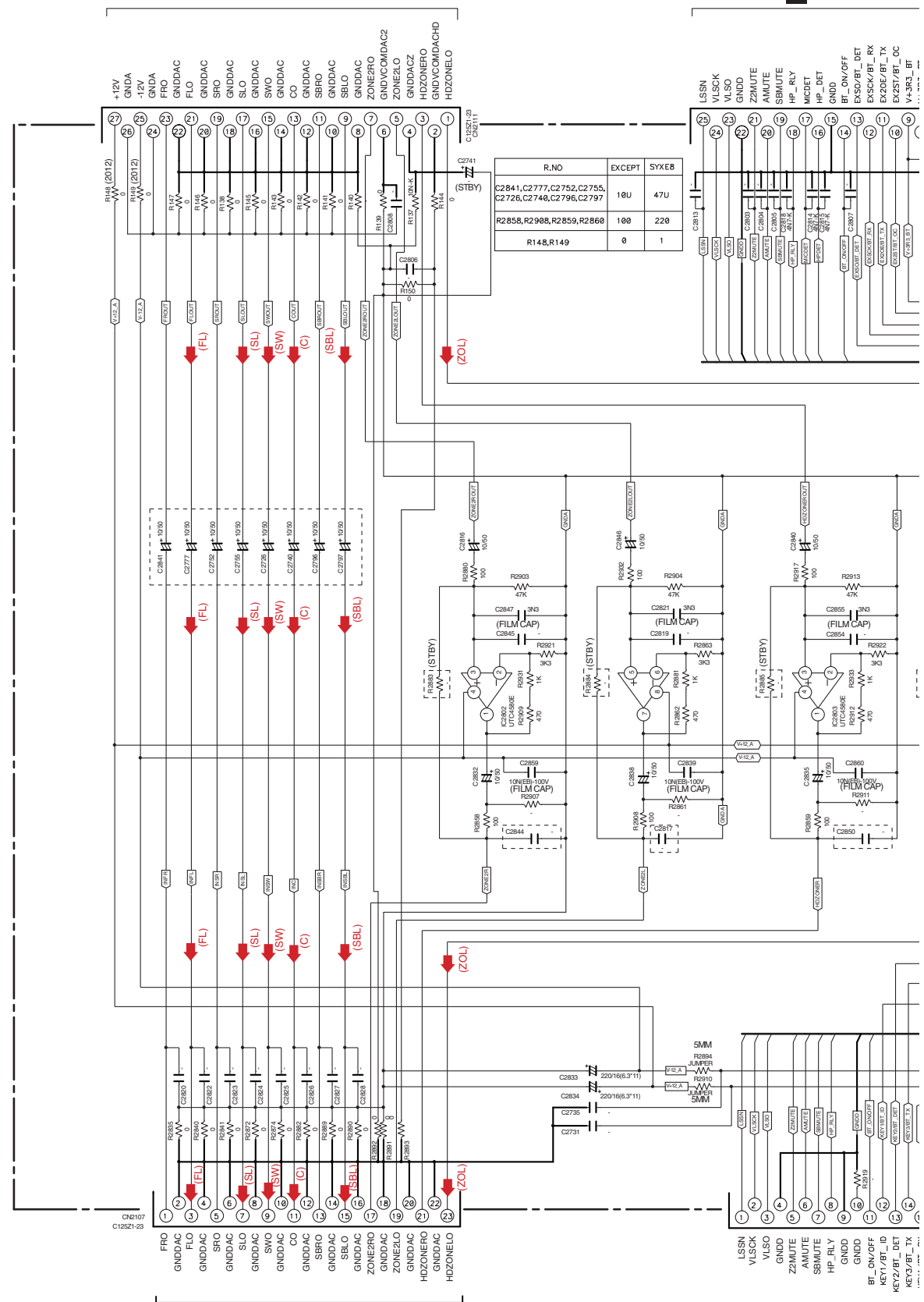
B

C

D

E

F



I CP15

I CP



1

2

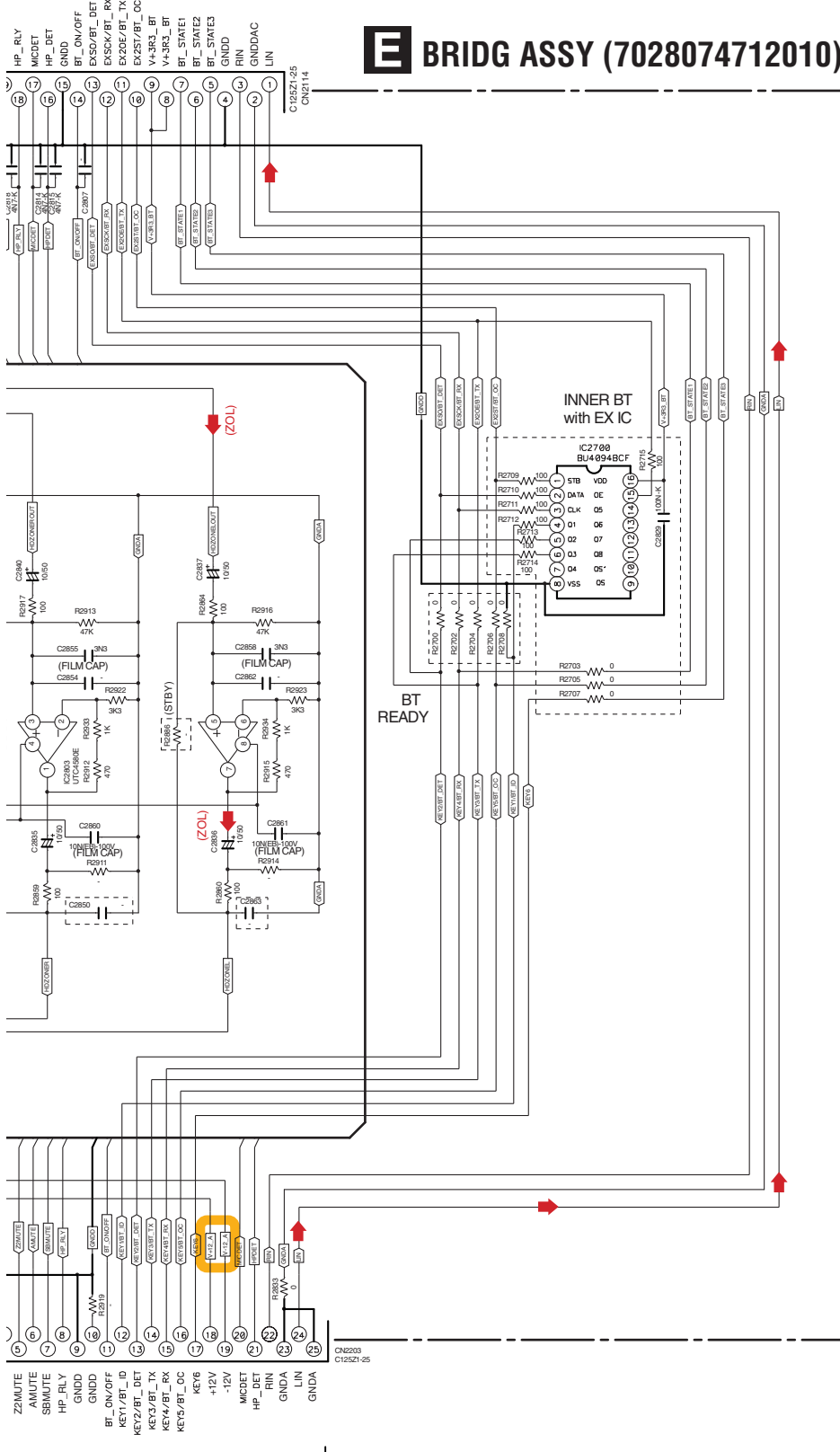
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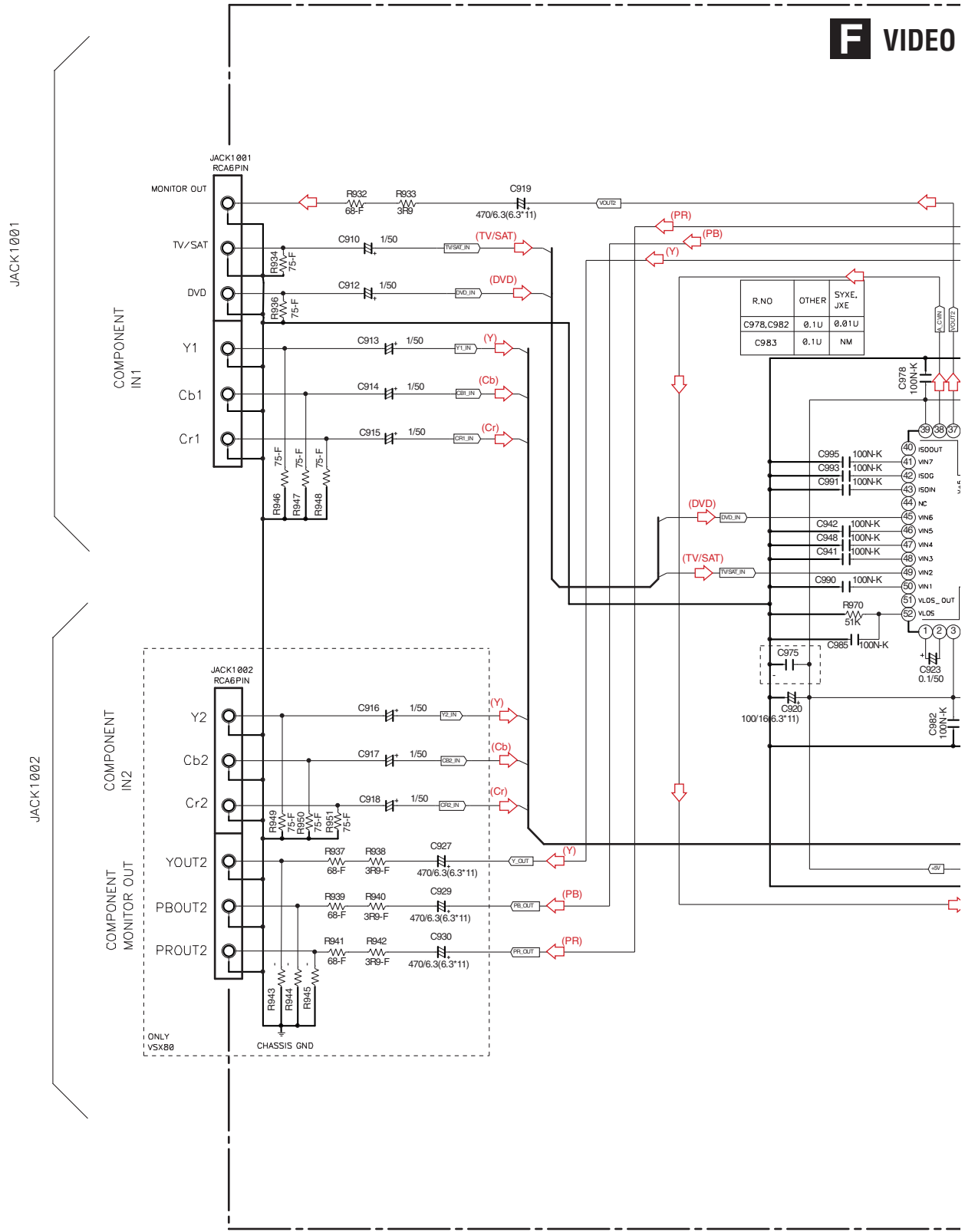
G7/11 CN1504

BRIDG ASSY (7028074712010)

- ➡ : Audio Signal Route (L ch)
- (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)
- (SW) ➡ : Audio Signal Route (Subwoofer ch)
- (ZOL) ➡ : Audio Signal Route (Zone L ch)

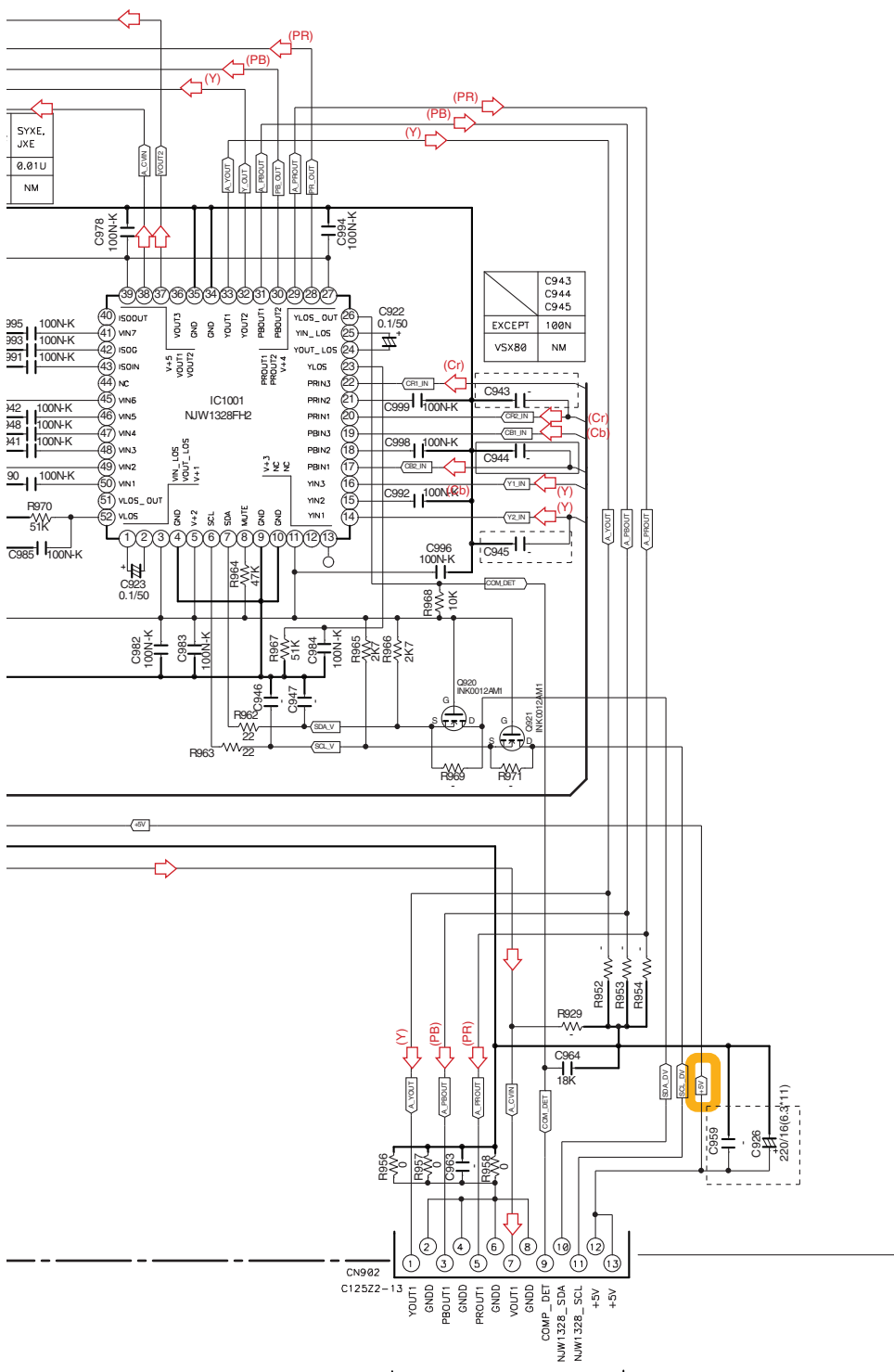


10.16 VIDEO ASSY



F VIDEO ASSY (VSX-1124-K, VSX-1129-K: 7028074732030) (VSX-80: 7028074732010)

- ⇨ : Video Signal Route
- (Y) ⇨ : Video Signal Route (Component Y)
- (Cb) ⇨ : Video Signal Route (Component Cb)
- (Cr) ⇨ : Video Signal Route (Component Cr)
- (PB) ⇨ : Video Signal Route (Component PB)
- (PR) ⇨ : Video Signal Route (Component PR)
- (TV/SAT) ⇨ : Video Signal Route (TV/SAT)
- (DVD) ⇨ : Video Signal Route (DVD)

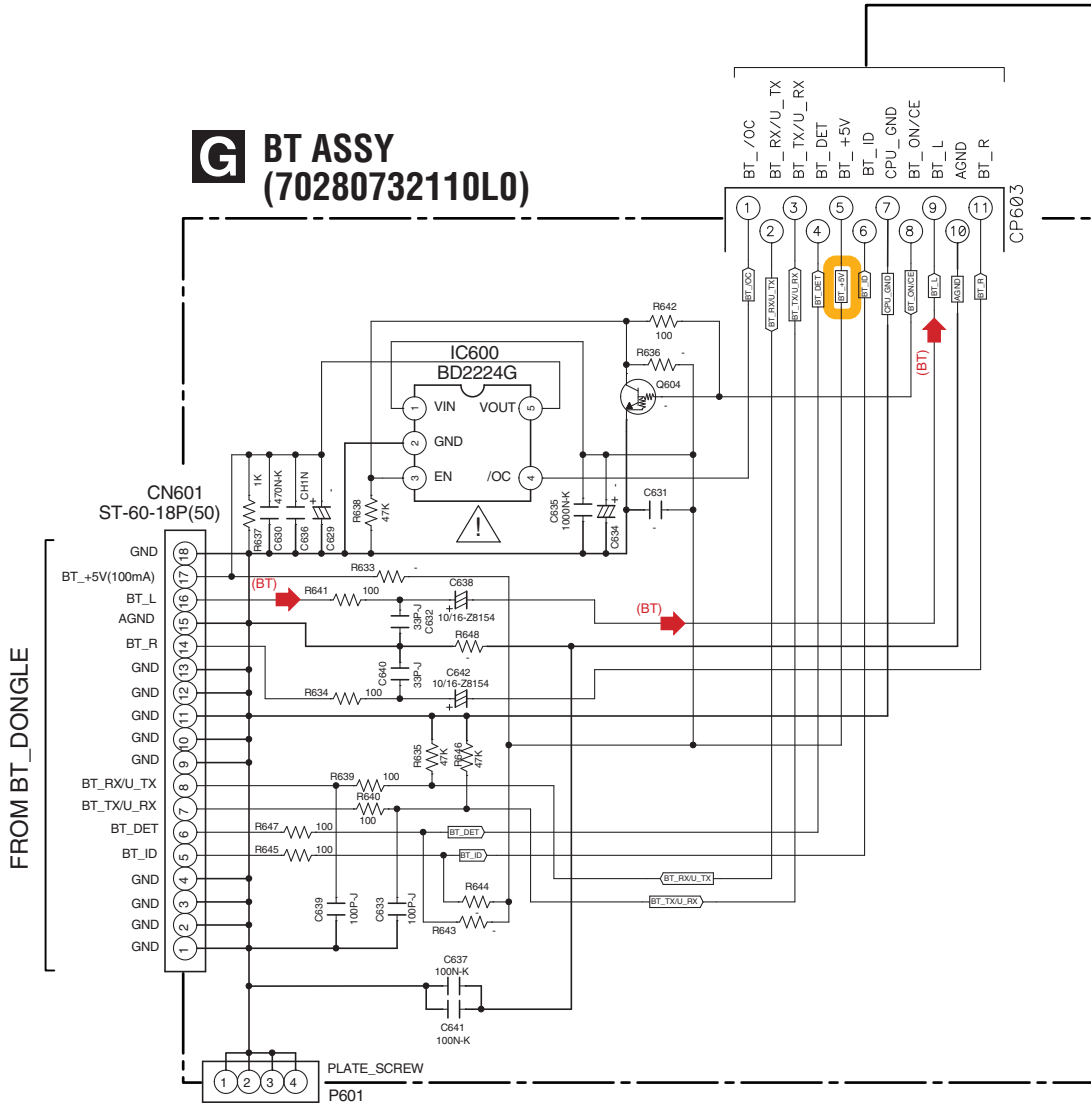


A CP10



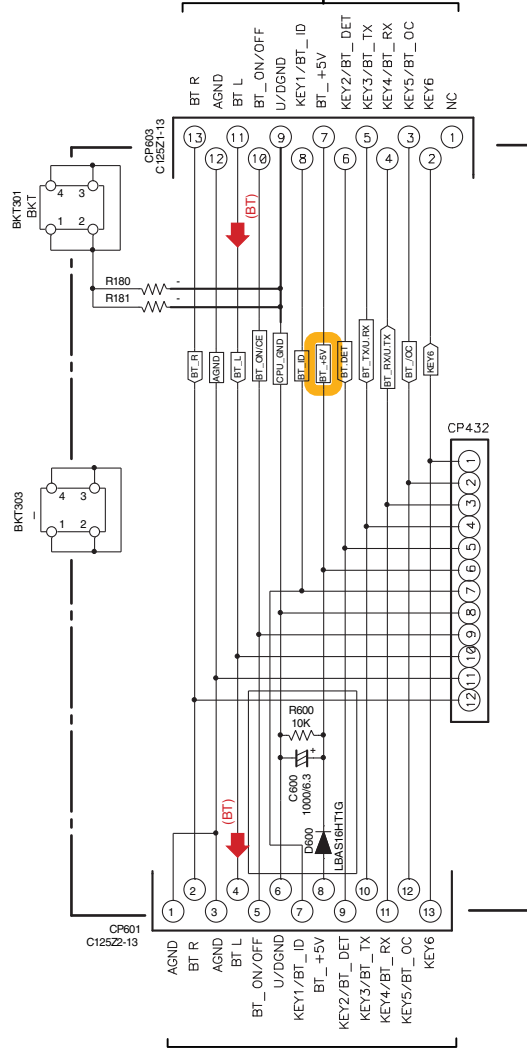
10.17 BT and BT-CNT ASSYS

BT ASSY (70280732110L0)



The ⚠ 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.

H BT-CNT ASSY (7028074716010)



A CP7

(BT) → : Audio Signal Route (BT L ch)

TO MAIN B'D

BT_R	BT_R
AGND	AGND
BT_L	BT_L
BT_ON/CE	BT_ON/CE
CPU_GND	CPU_GND
KEY1	BT_ID
BT_+5V	BT_+5V
KEY2	BT_DET
KEY3	BT_TX/U_RX
KEY4	BT_RX/U_TX
KEY5	BT_OC
KEY6	BT_OC
NC	NC
INNER BT 13P	BT_READY 11P

	D600	C600	R600
SYXE8	LBAS16HT1G	1000/6.3	10K
EXCEPT	0ohm	OPEN	OPEN

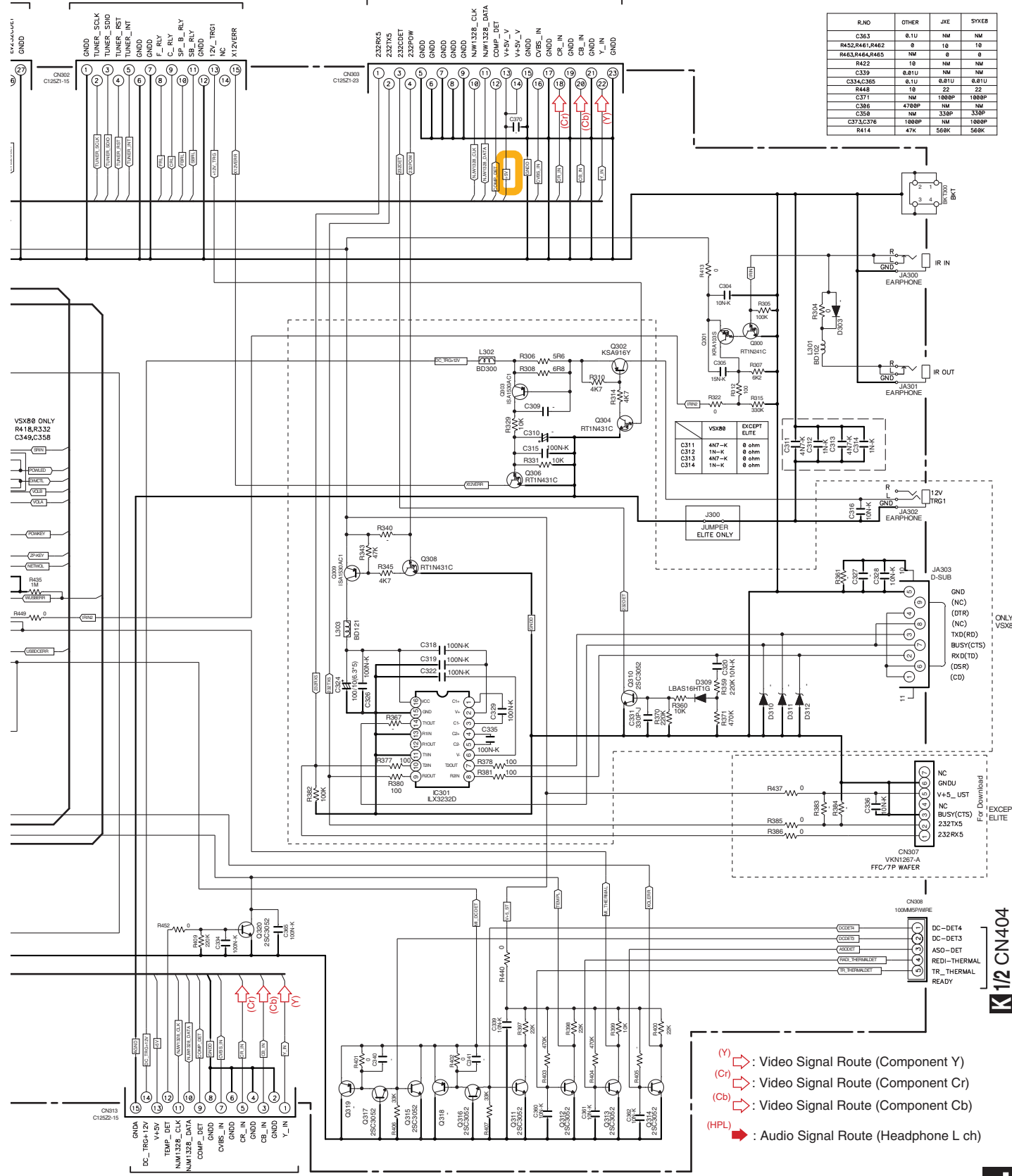
J CPU ASSY

(VSX-1124-K: 7028074731030)
 (VSX-1129-K: 7028074731040)
 (VSX-80: 7028074731010)

C2/11 CN607

C4/11 CN902

R/NO	OTHER	JKE	SYKES
C363	6.1U	NM	NM
R452,R461,R462	16	16	16
R463,R464,R465	NM	0	0
R422	10	NM	NM
C339	0.01U	NM	NM
C334,C365	0.1U	0.01U	0.01U
R448	10	22	22
C371	NM	1000P	1000P
C366	4700P	NM	NM
C358	NM	330P	330P
C373,C376	1000P	NM	1000P
R414	47K	560K	560K



VSX80 ONLY
 R416,R432
 C340,C358

VSX80 EXCEPT ELITE

C311	4N7-K	0 ohm
C312	1N-K	0 ohm
C313	4N7-K	0 ohm
C314	1N-K	0 ohm

ONLY VSX80

JA303 D-SUB

NC (NC)
 (DTR) (NC)
 (NC) (NC)
 TXD(RD)
 BUSY(CTS)
 RXD(TD)
 (DSR) (CD)

EXCEPT ELITE

For Download

K1/2 CN404

DC-DET4
 DC-DET3
 ASO-DET
 RED1-THERMAL
 TR_THERMAL
 READY

(Y) : Video Signal Route (Component Y)
 (Cr) : Video Signal Route (Component Cr)
 (Cb) : Video Signal Route (Component Cb)
 (HPL) : Audio Signal Route (Headphone L ch)


A CP20

VSX-1124-K

J

10.20 AMP7 ASSY (1/2)

NOTES

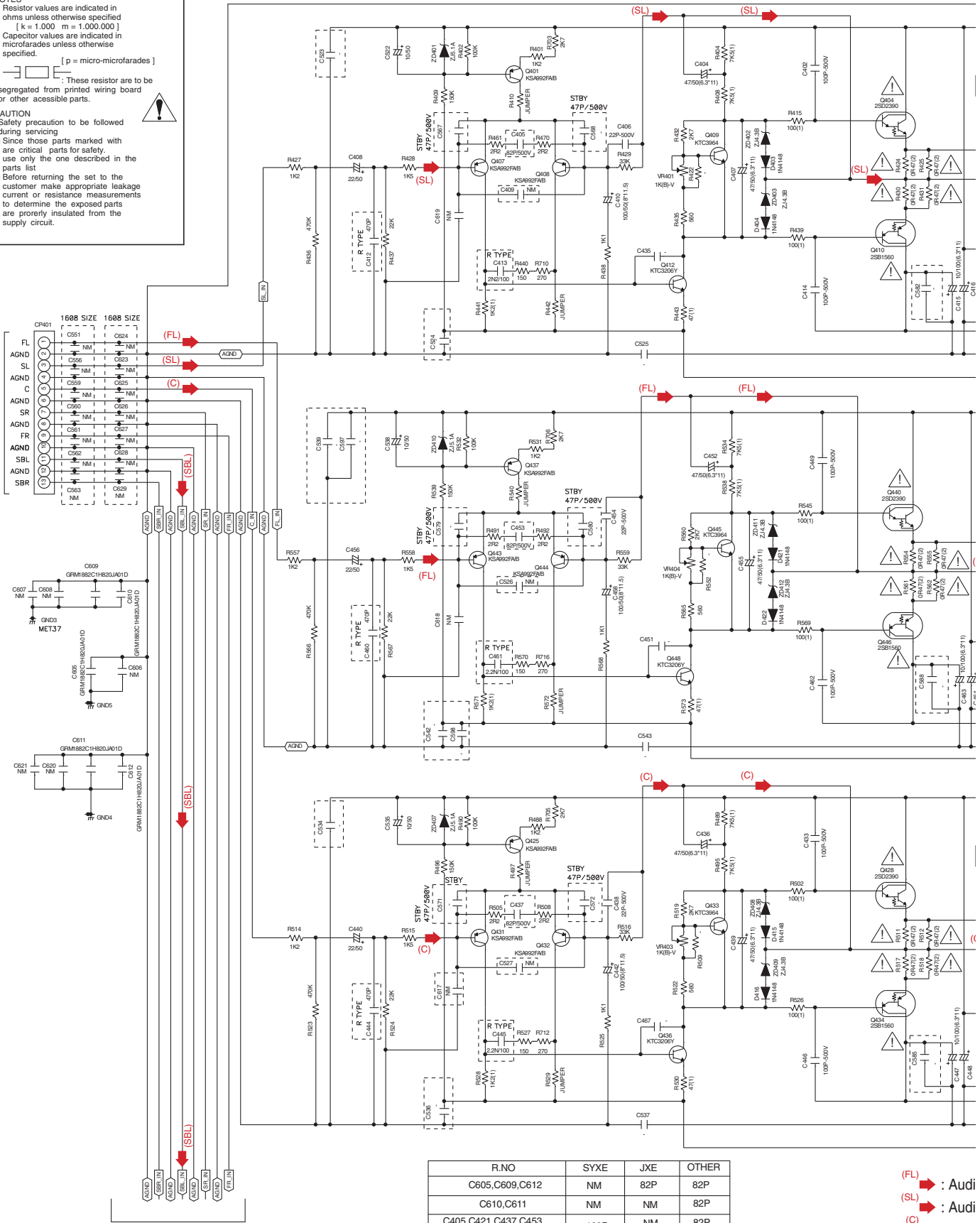
1. Resistor values are indicated in ohms unless otherwise specified
[k = 1,000 m = 1,000,000]
2. Capacitor values are indicated in microfarads unless otherwise specified.
[p = micro-microfarads]
3. : These resistor are to be segregated from printed wiring board or other accessible parts.

CAUTION
Safety precaution to be followed during servicing

- 1) Since those parts marked with are critical parts for safety, use only the one described in the parts list
- 2) 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.

A
B
C
D
E
F

CN2103



R.NO	SYXE	JXE	OTHER
C605,C609,C612	NM	82P	82P
C610,C611	NM	NM	82P
C405,C421,C437,C453, C469,C485,C501	100P	NM	82P
R436,R480,R523,R566, R609,R652,R695	NM	NM	470K
R461,R470,R491,R492,R505, R508,R533,R535,R548,R576, R578,R579,R591,R594	2.2	NM	2.2

(FL) : Audi
(SL) : Audi
(C) : Audi
(SBL) : Audi

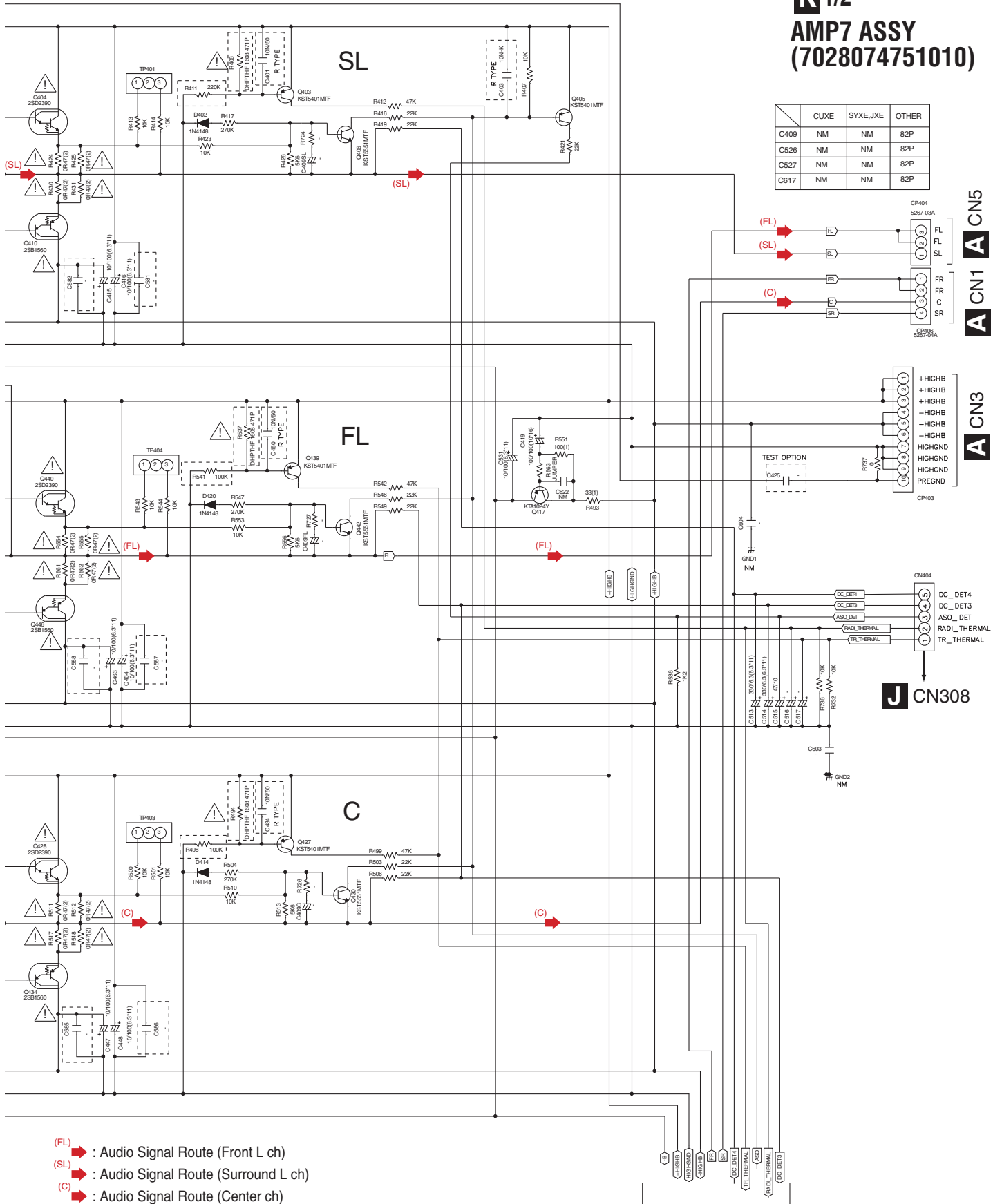
K1/2

K2/2

VSX-1124-K

K1/2 AMP7 ASSY (7028074751010)

	CUXE	SYXE,JXE	OTHER
C409	NM	NM	82P
C526	NM	NM	82P
C527	NM	NM	82P
C617	NM	NM	82P



- (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)

A CN5

A CN3

C

D

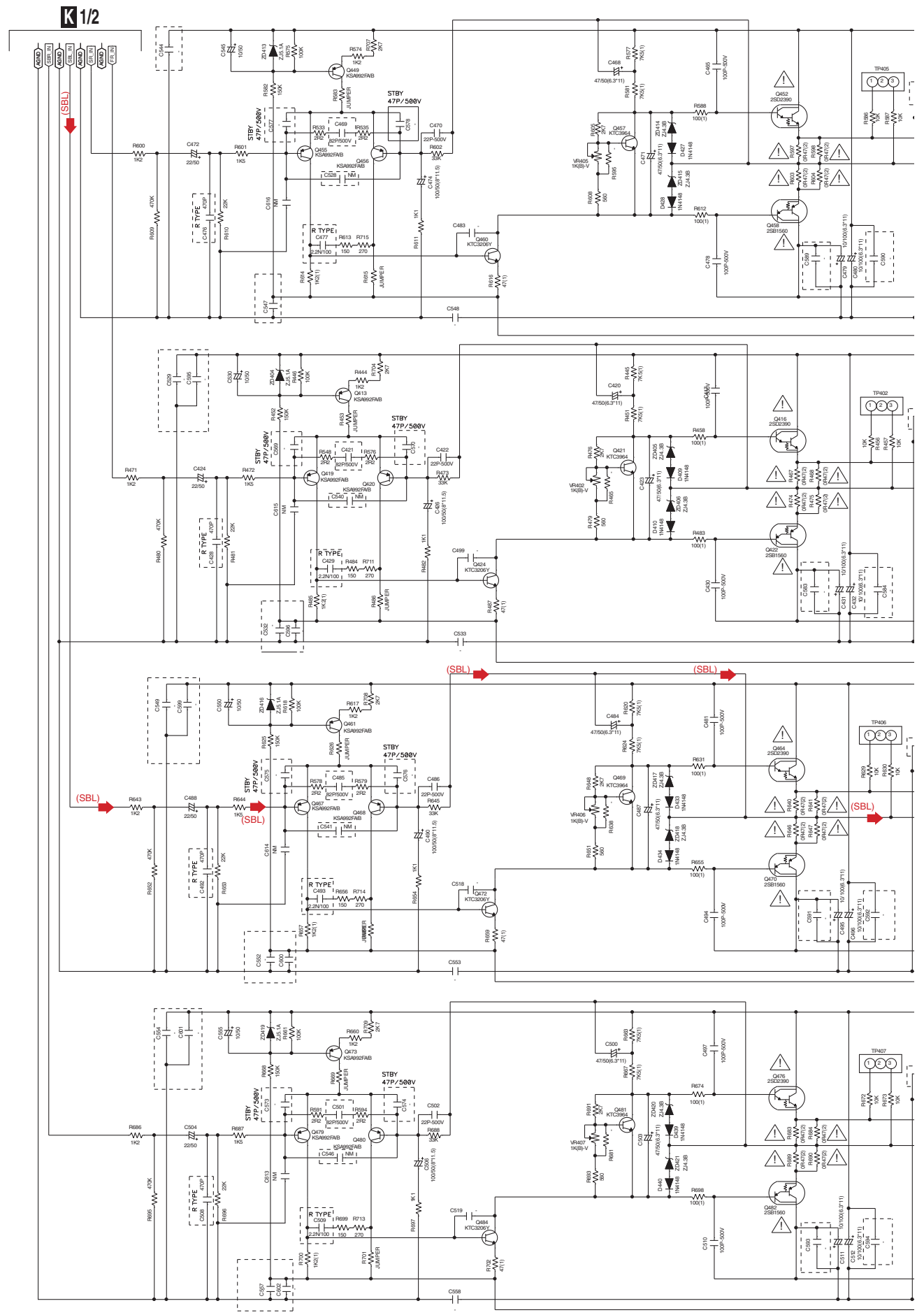
E

F

J CN308

K2/2

10.21 AMP7 ASSY (2/2)



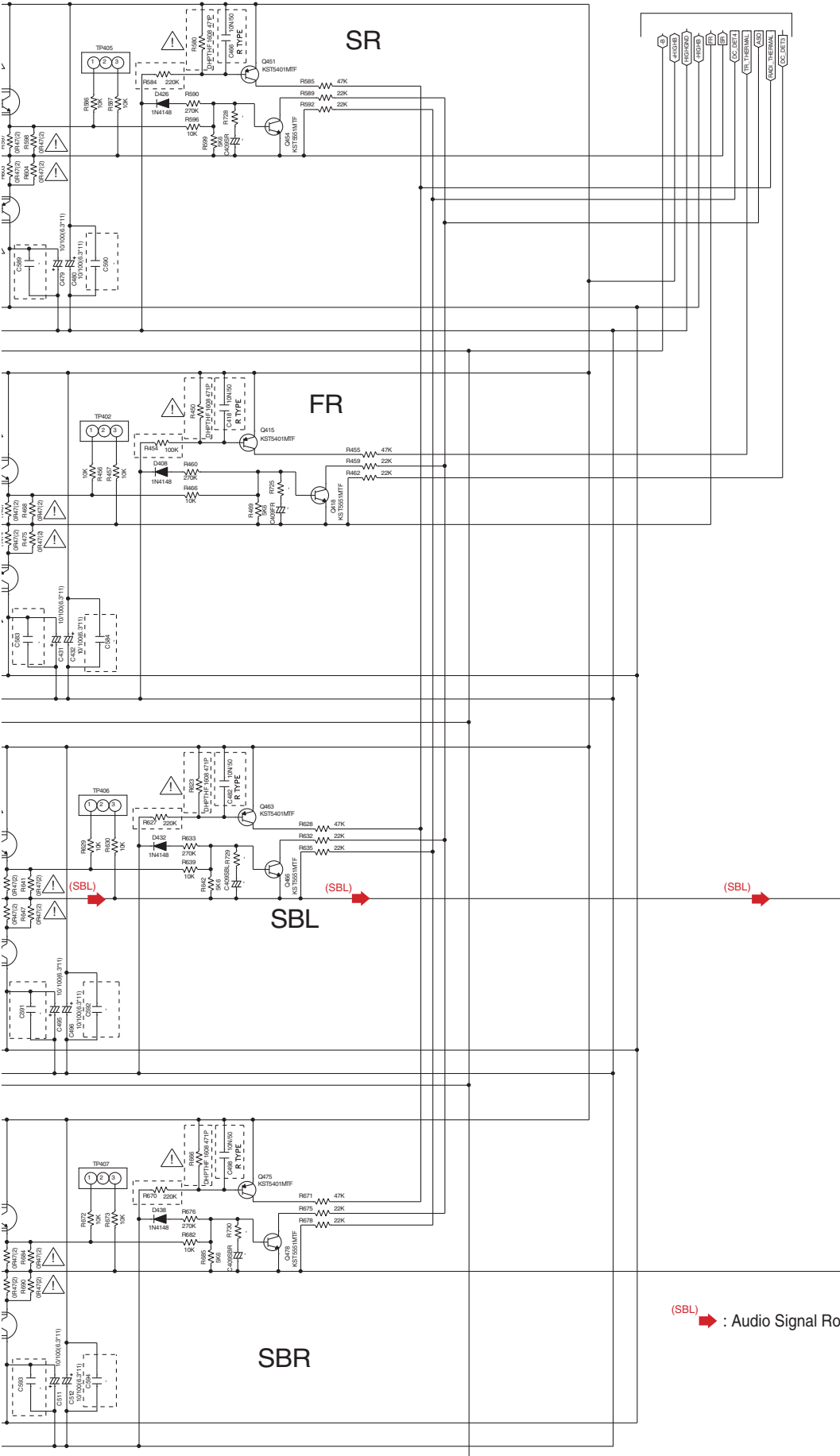
K2/2

K1/2

K2/2

AMP7 ASSY (7028074751010)

	CUXE	SYXE,JXE	OTHER
C528	NM	NM	82P
C540	NM	NM	82P
C541	NM	NM	82P
C546	NM	NM	82P



NOTES

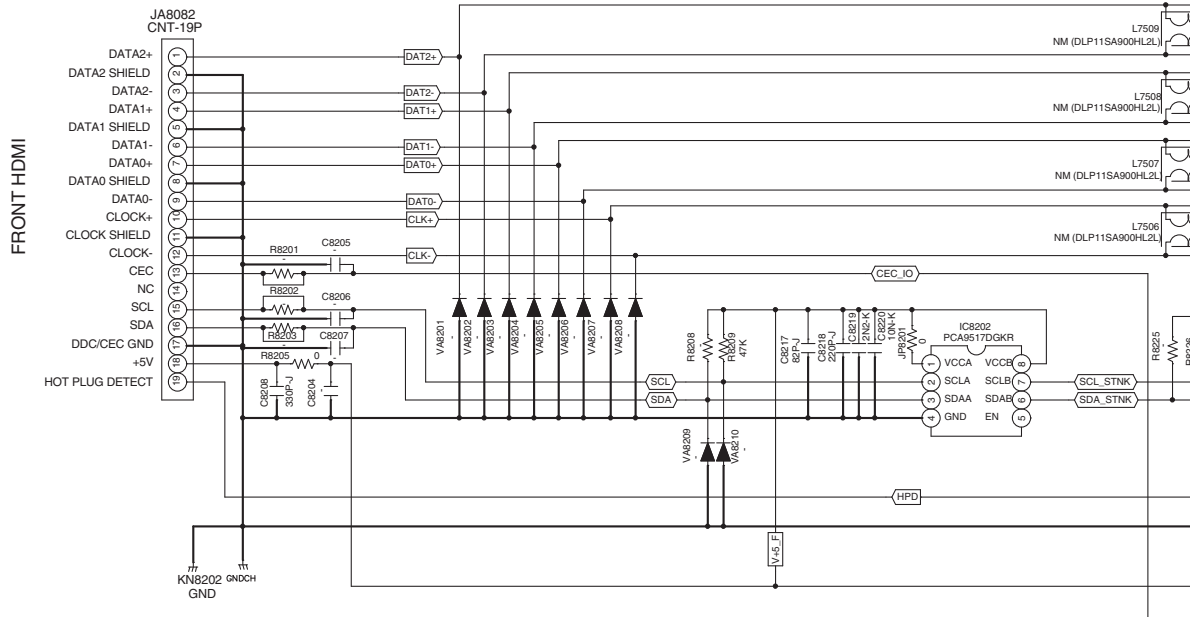
- Resistor values are indicated in ohms unless otherwise specified [k = 1,000 m = 1,000,000]
- Capacitor values are indicated in microfarads unless otherwise specified. [p = micro-microfarades]
- : These resistor are to be segregated from printed wiring board or other accessible parts.

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.

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

10.22 FHDMI ASSY



MODEL, AREA OPTION

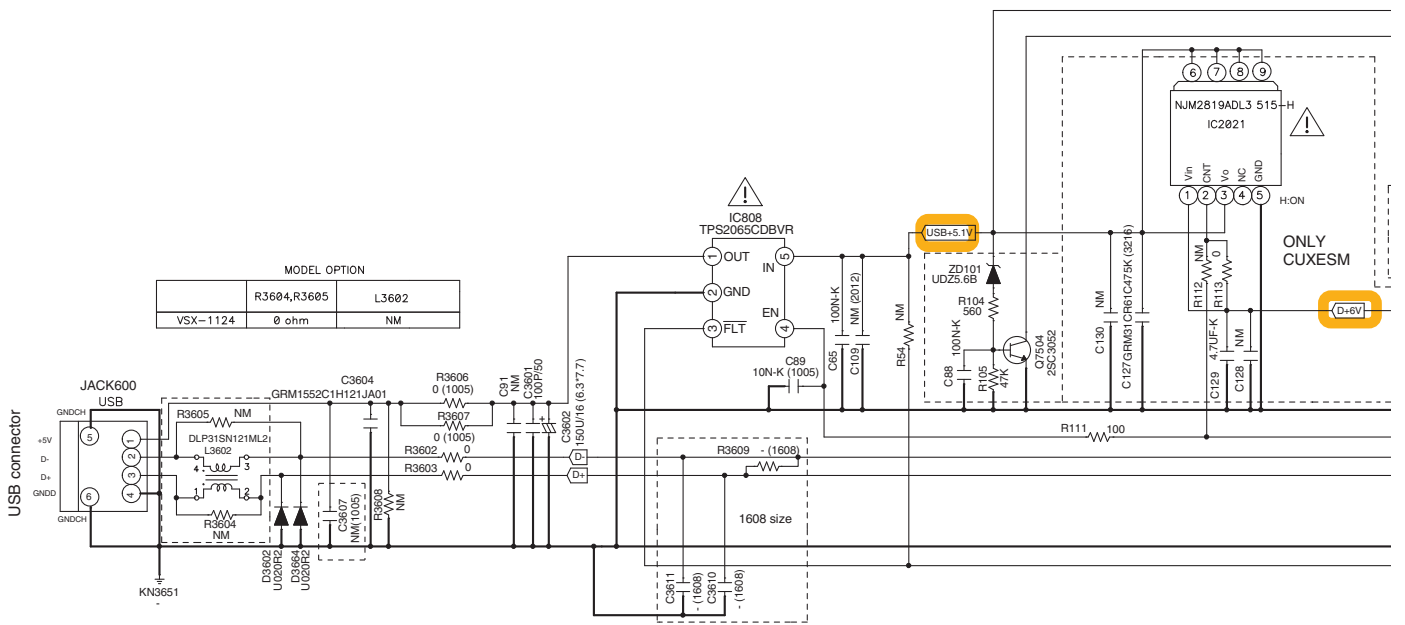
	J1	J2	J3	J4
HIGH	NM	JUMPER	NM	NM
CUXE	NM	NM	JUMPER	NM
OTHERS	NM	NM	NM	JUMPER

NJM2819 OPTION

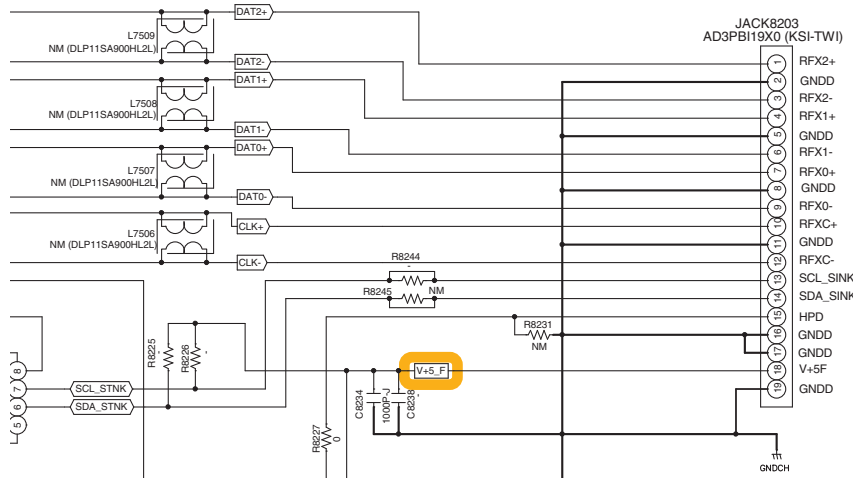
	IC201	C127	C129	D3603	R58	R59	ZD
CUXESM	NJM2819ADL3 - 515	GRM31CR61C475K	4.7UF-K	0	RB068L-40	NM	NM
OTHERS	NM	NM	NM	NM	0 ohm	0 ohm	UDZ1

MODEL OPTION

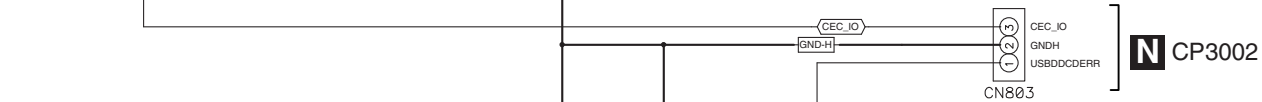
	R3604, R3605	L3602
VSX-1124	0 ohm	NM



FHDMI ASSY (7028074581040)



C3/11 JA9620

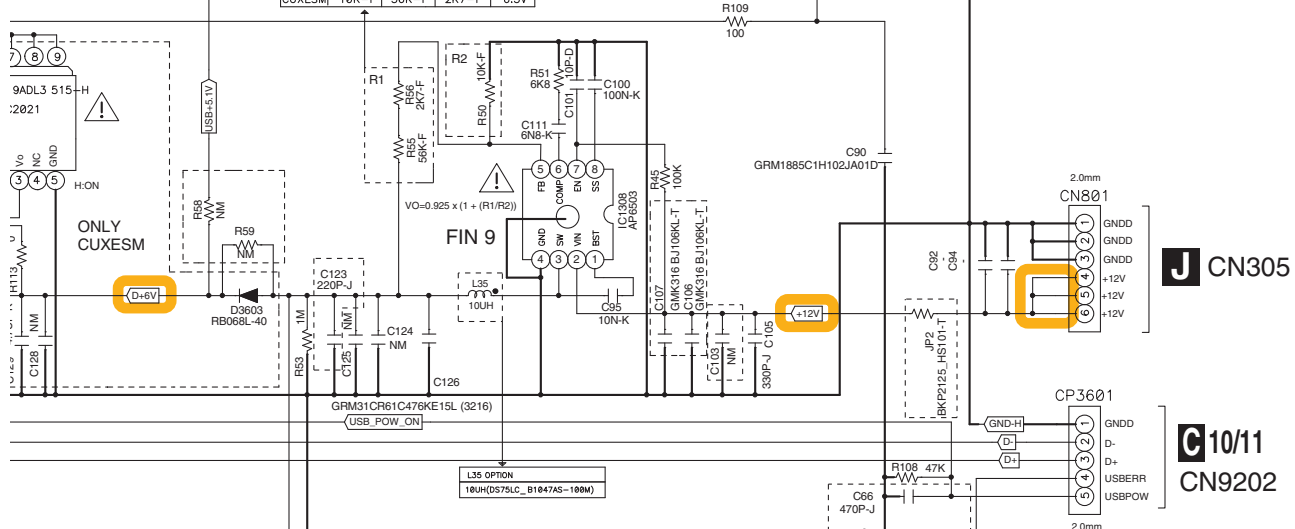


N CP3002

3603	R58	R59	ZD101	R104	R105	C88	Q7504
368L-40	NM	NM	NM	NM	NM	NM	NM
NM	0 ohm	0 ohm	UDZ5.6B	560	47K	100N	ZSC3052

AP6503 OPTION

R50	R55	R56	VCC
OTHERS	10K-F	43K-F	2K7-F
CUXESM	10K-F	56K-F	2K7-F
			5.1V
			6.3V



J CN305

C10/11 CN9202

	D+Vout
OTHERS	5.1V
CUXESM	6.3V

C11/11 CN9502

	CP3602	CP3603
VSX-1124	NM	3P WIRE

VSX-1124-K

10.23 INSEL, FRONT and HPMIC ASSYS

1 2 3 4

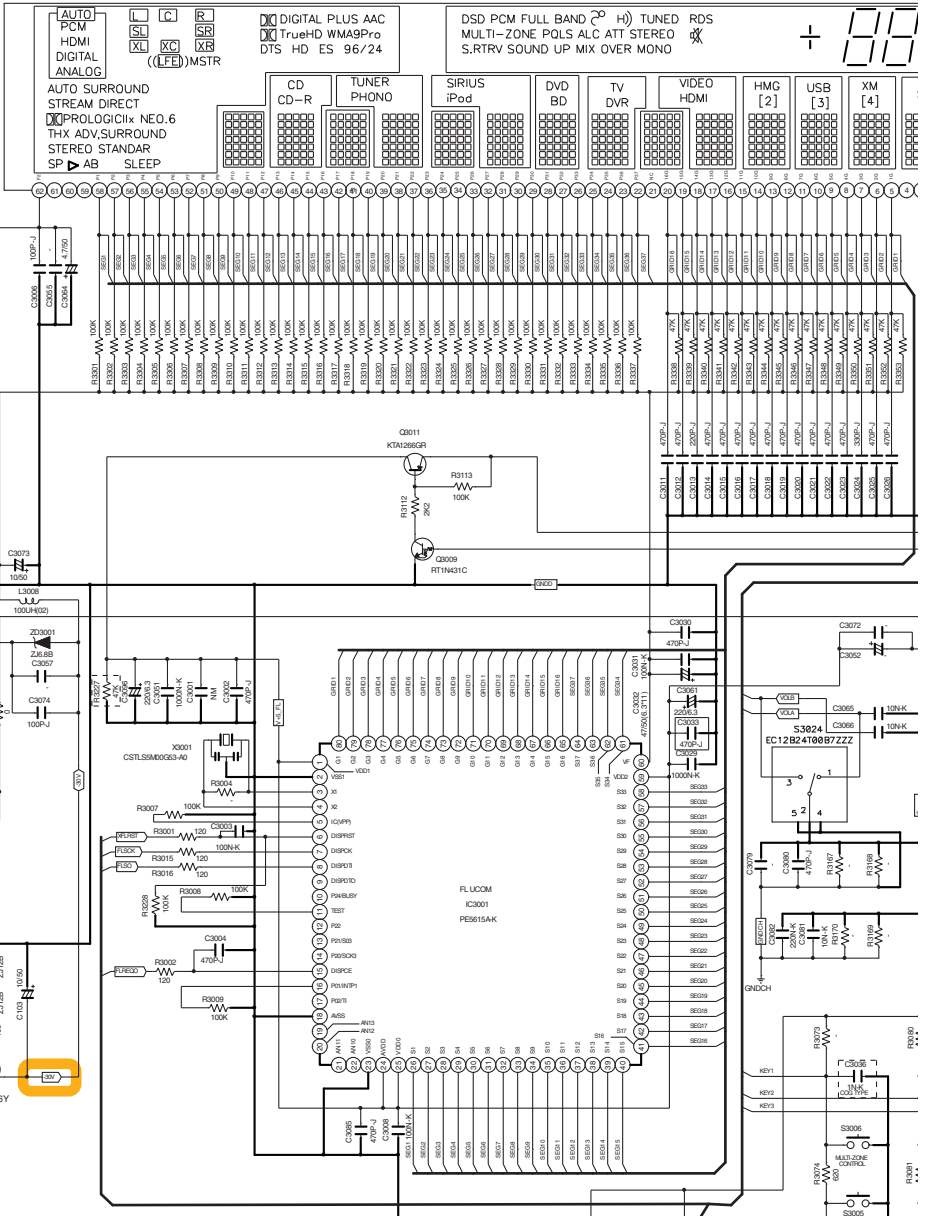
NOTES

- 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.

HNA-16MM64
HNA-16MM64(SS07)



MODEL DISCRIMINATION

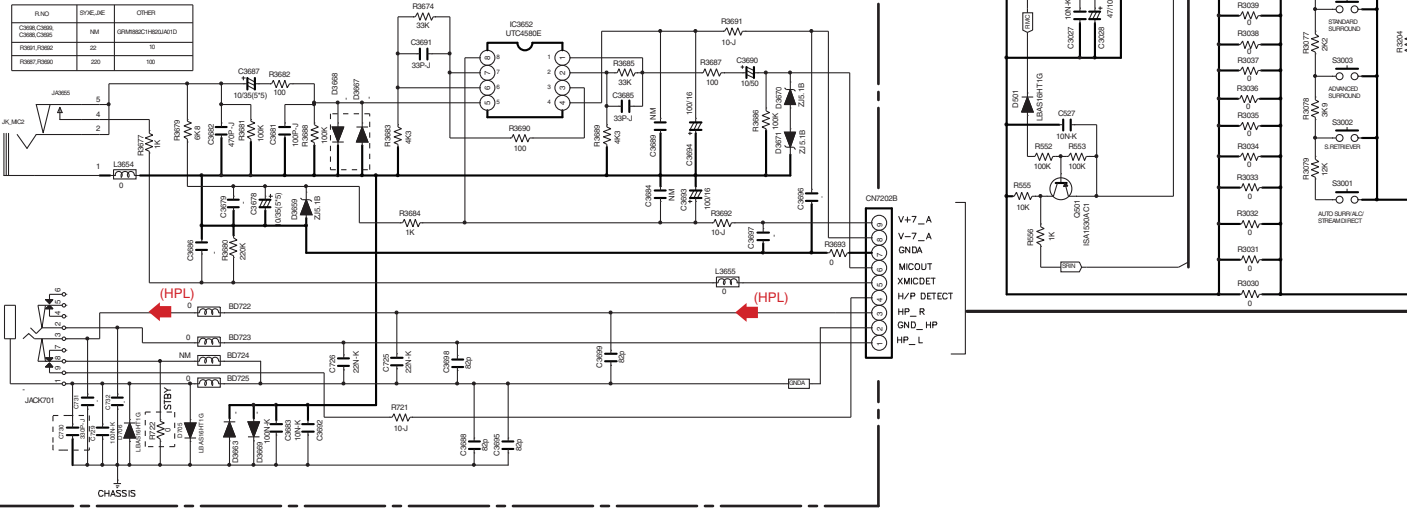
MODEL	AREA	R1001	R1002	R1003	R1004	R1005	R1006	R1007	R1008
SM	FRE	2.20T	2.20T	4.70K	4.70K	100K	NM	NM	NM
SM	AGC	2.20T	2.20T	4.70K	4.70K	100K	NM	NM	NM
SM	EMF	2.20T	2.20T	2.20T	2.20T	100K	NM	NM	NM
SM	BY268	2.20T	2.20T	4.70K	4.70K	100K	NM	NM	NM
SM	AE	2.20T	2.20T	4.70K	4.70K	100K	NM	NM	NM
TL1580	CODE	2.20T	2.20T	4.70K	4.70K	100K	NM	NM	NM
150	CODE	2.20T	2.20T	4.70K	4.70K	100K	NM	NM	NM
150	CODE	2.20T	2.20T	4.70K	4.70K	100K	NM	NM	NM

RNO	VALUE	SYN	USE FOR CODE
RNOE	RESH	3.3T	FORMER 3.3T
RE	RT18	251K	JAMPER

RNO	OTHER	SYN	USE
C304	0.1U	NM	
C305	47P	30P	
R307	4K	NM	
C301	NM	0.047UF/50V	
C304	0.1U	0.047UF/50V	
C305	47P	30P	
R307	4K	2K	
R308	10K	10K	
R309	10K	10K	

HPMIC ASSY (7028074722010)

RNO	SYN	OTHER
C306	C306	0.047UF/50V
R307	R307	4K
R308	R308	10K
R309	R309	10K



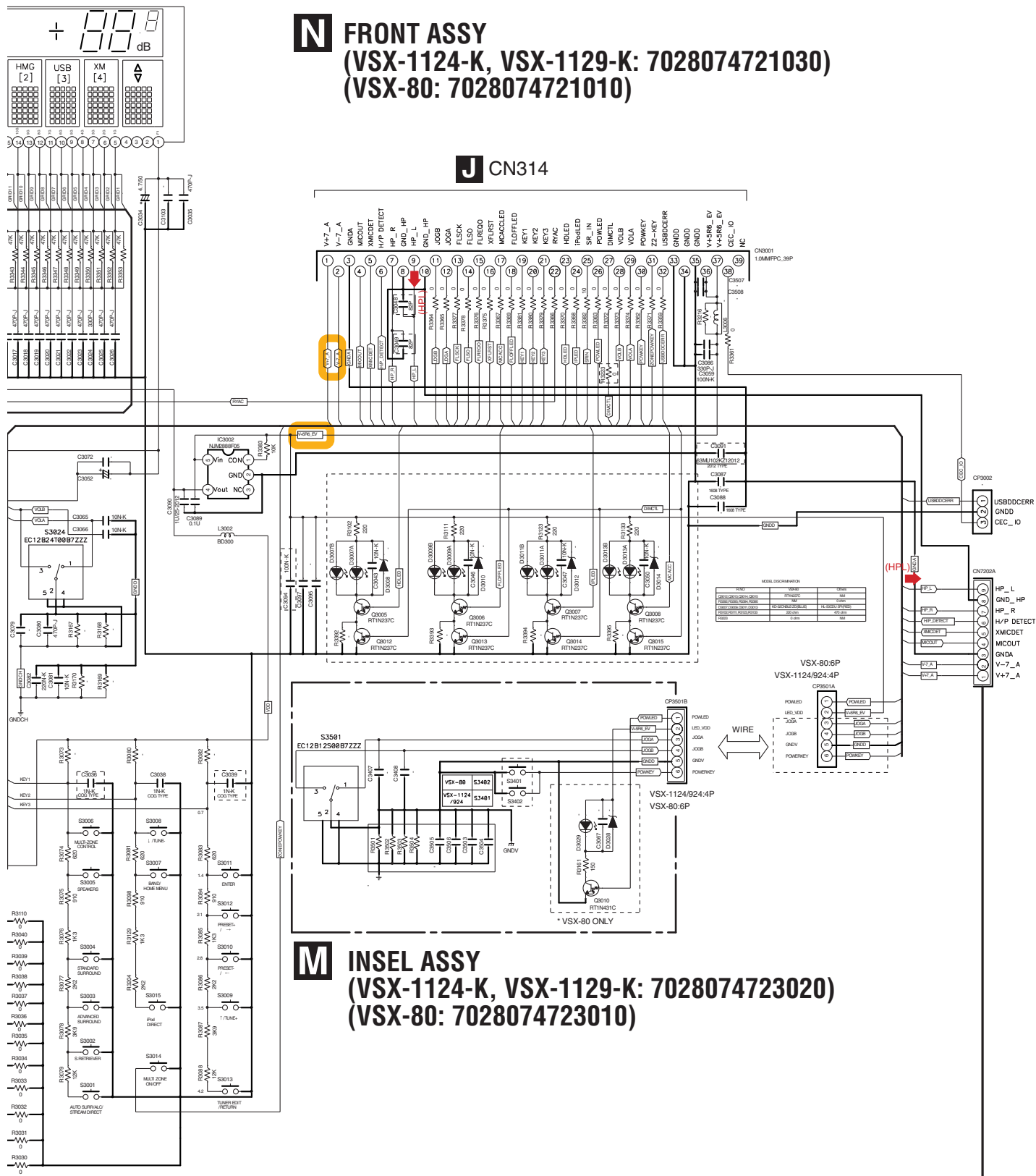
NO

VSX-1124-K

1 2 3 4

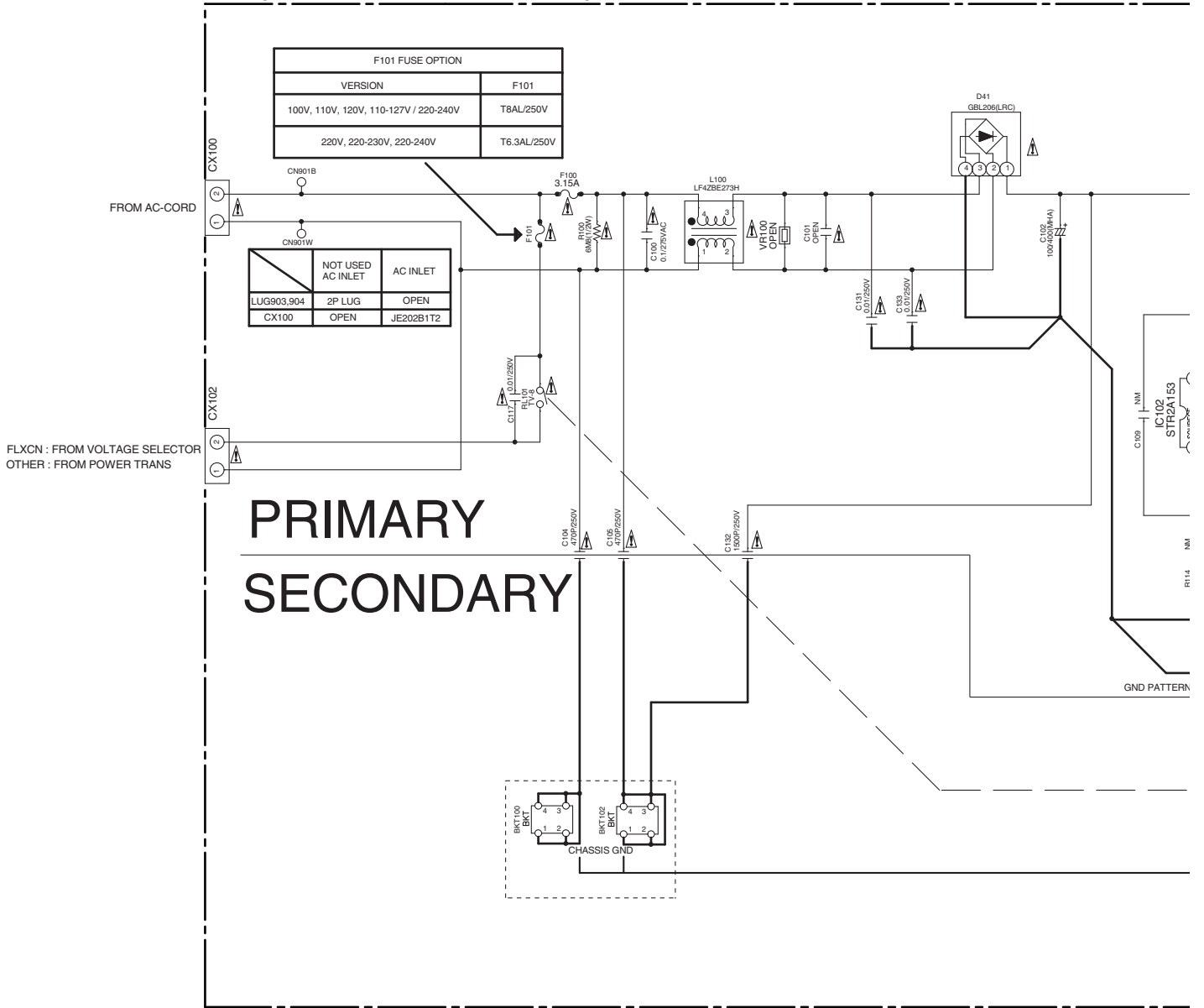
N FRONT ASSY
 (VSX-1124-K, VSX-1129-K: 7028074721030)
 (VSX-80: 7028074721010)

J CN314

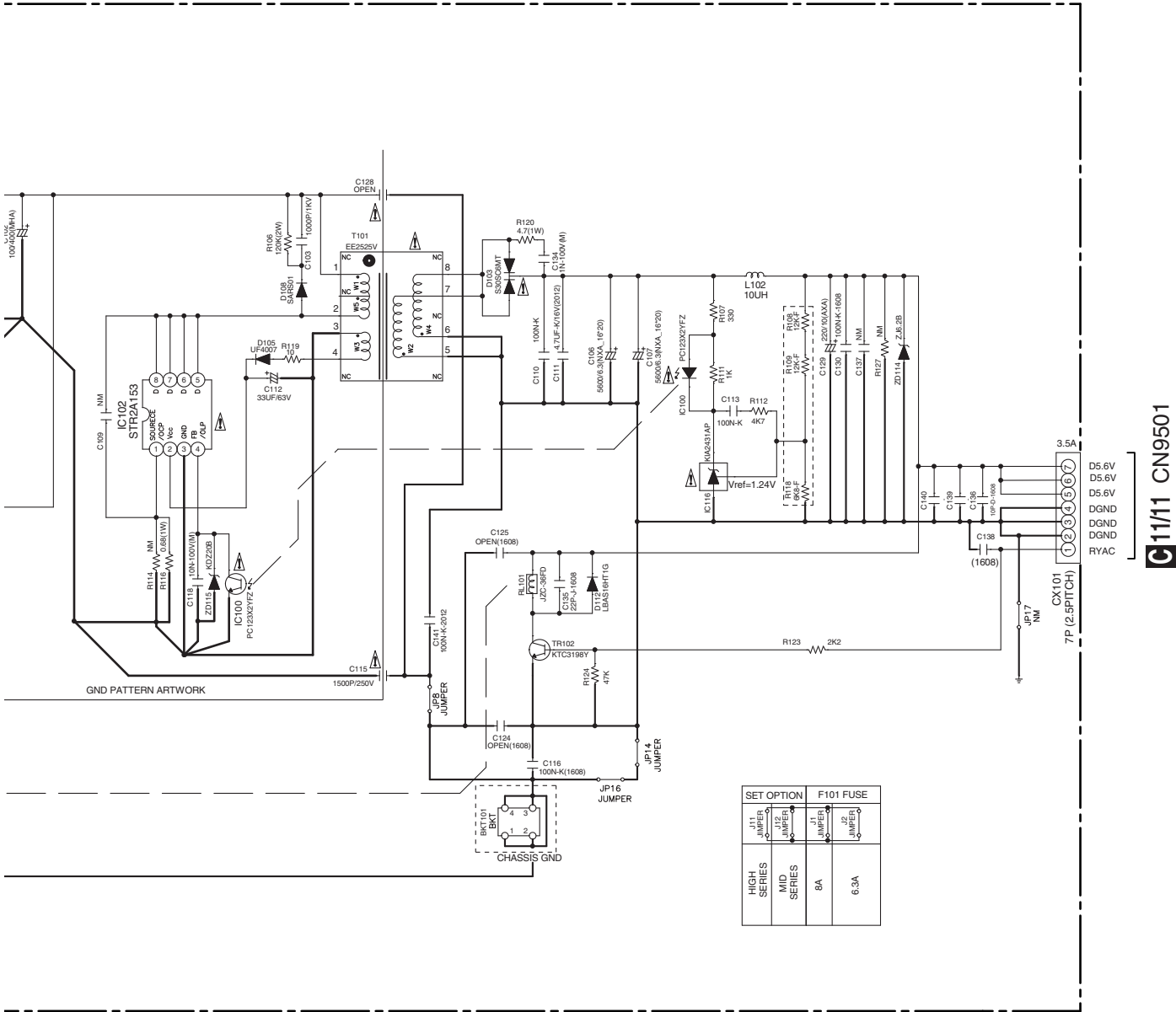


10.24 SMPS ASSY


P SMPS ASSY
 (VSX-1124-K, VSX-1129-K: 702807336108A)
 (VSX-80: 702807336106A)




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



NOTES

1. Resistor values are indicated in ohms unless otherwise specified [k = 1,000 m = 1,000,000]
2. Capacitor values are indicated in microfarads unless otherwise specified. [p = micro-microfarads]
3. : These resistor are to be segregated from printed wiring board or other accessible parts.
CAUTION
 Safety precaution to be followed during servicing
 1) Since those parts marked with are critical parts for safety, use only the one described in the parts list
 2) 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.

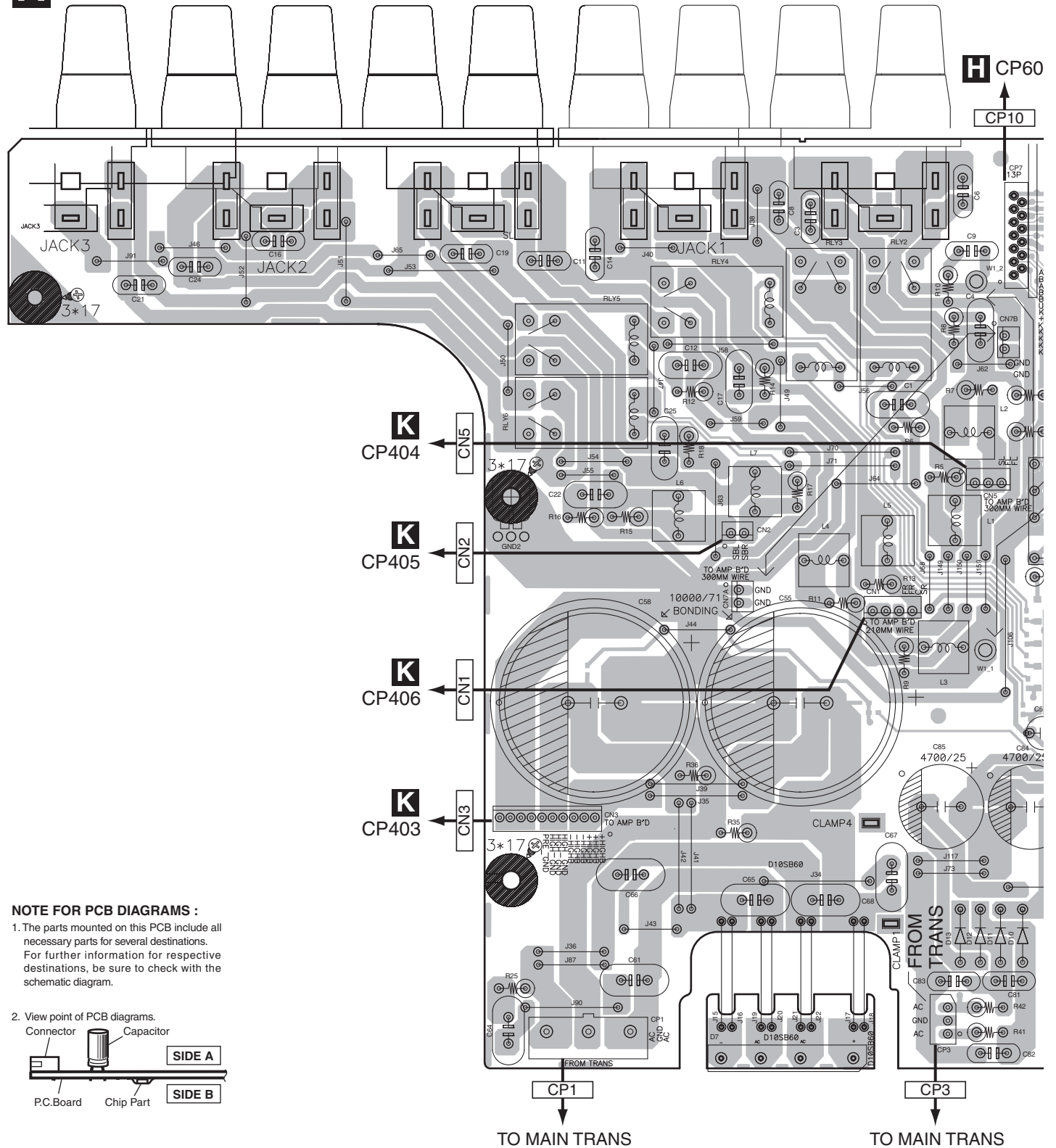
 INDICATES SAFETY CRITICAL COMPONENTS.
 TO REDUCE THE RISK OF ELECTRIC SHOCK, LEAKAGE CURRENT OR RESISTANCE MEASUREMENTS SHALL BE CARRIED OUT (EXPOSED PARTS ARE ACCEPTABLY INSULATED FROM THE SUPPLY CIRCUIT) BEFORE THE APPLIANCE RETURNED TO THE CUSTOMER.

11. PCB CONNECTION DIAGRAM

11.1 MAIN and TEMP ASSYS

A SIDE A

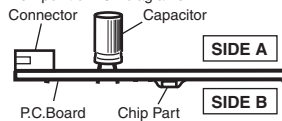
A MAIN ASSY



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.

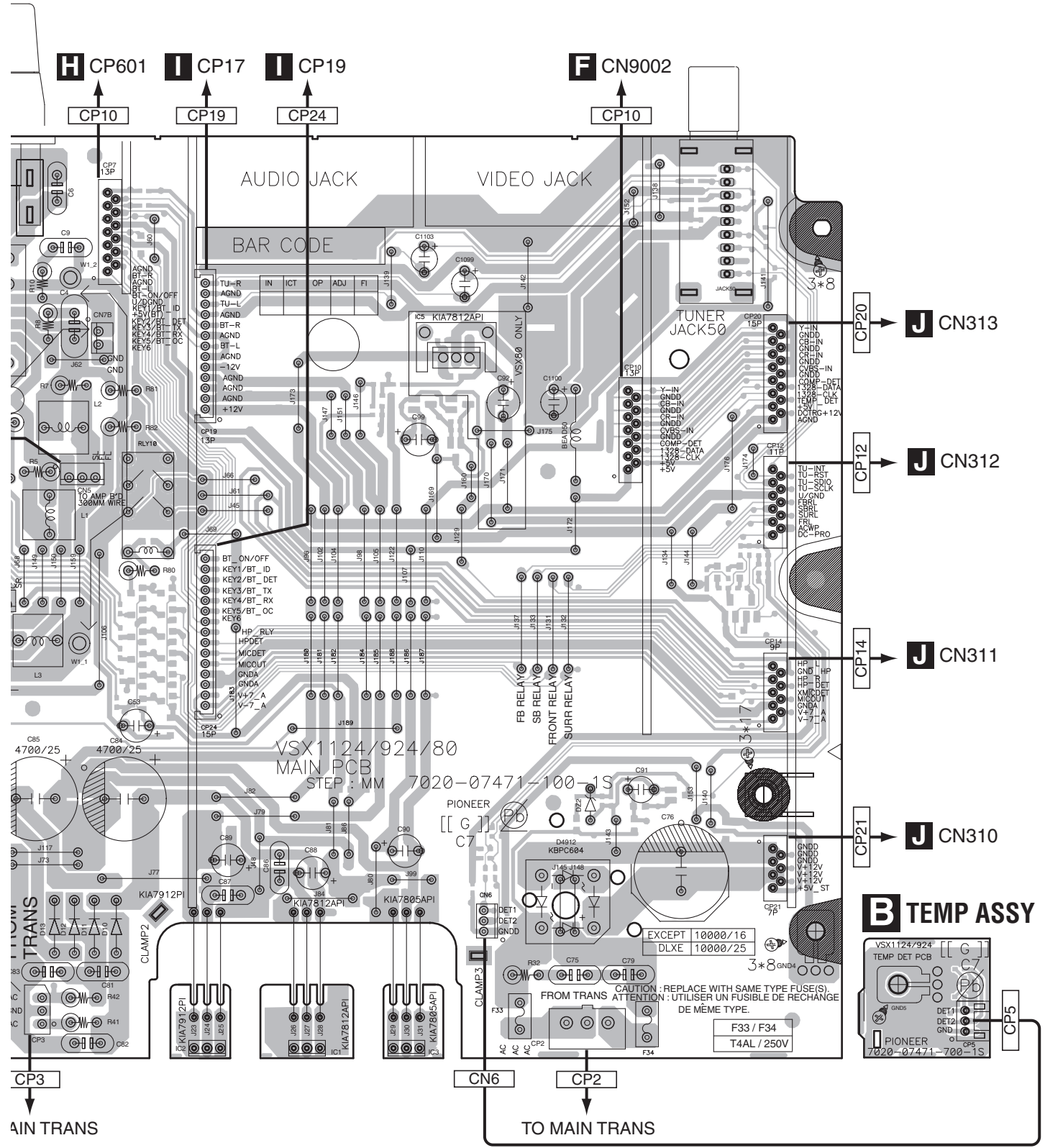
2. View point of PCB diagrams.



A

SIDE A

A



B

C

D

E

F

IC2

IC1

IC3

IC5

VSX-1124-K

A B

SIDE B

A

B

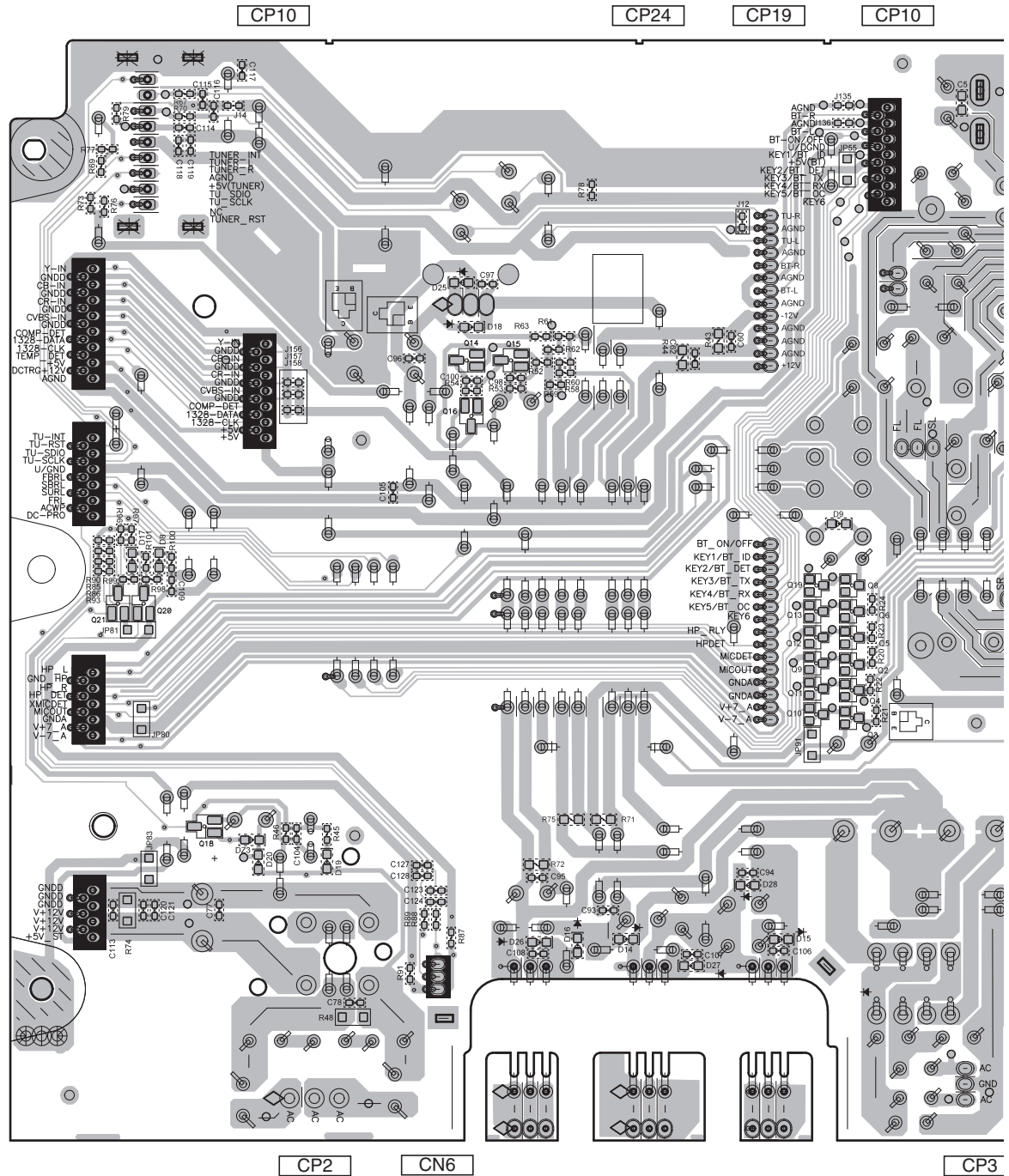
C

D

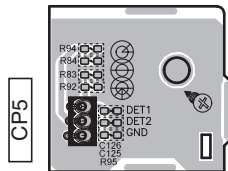
E

F

A MAIN ASSY



B TEMP ASSY



A B

SIDE B

A

B

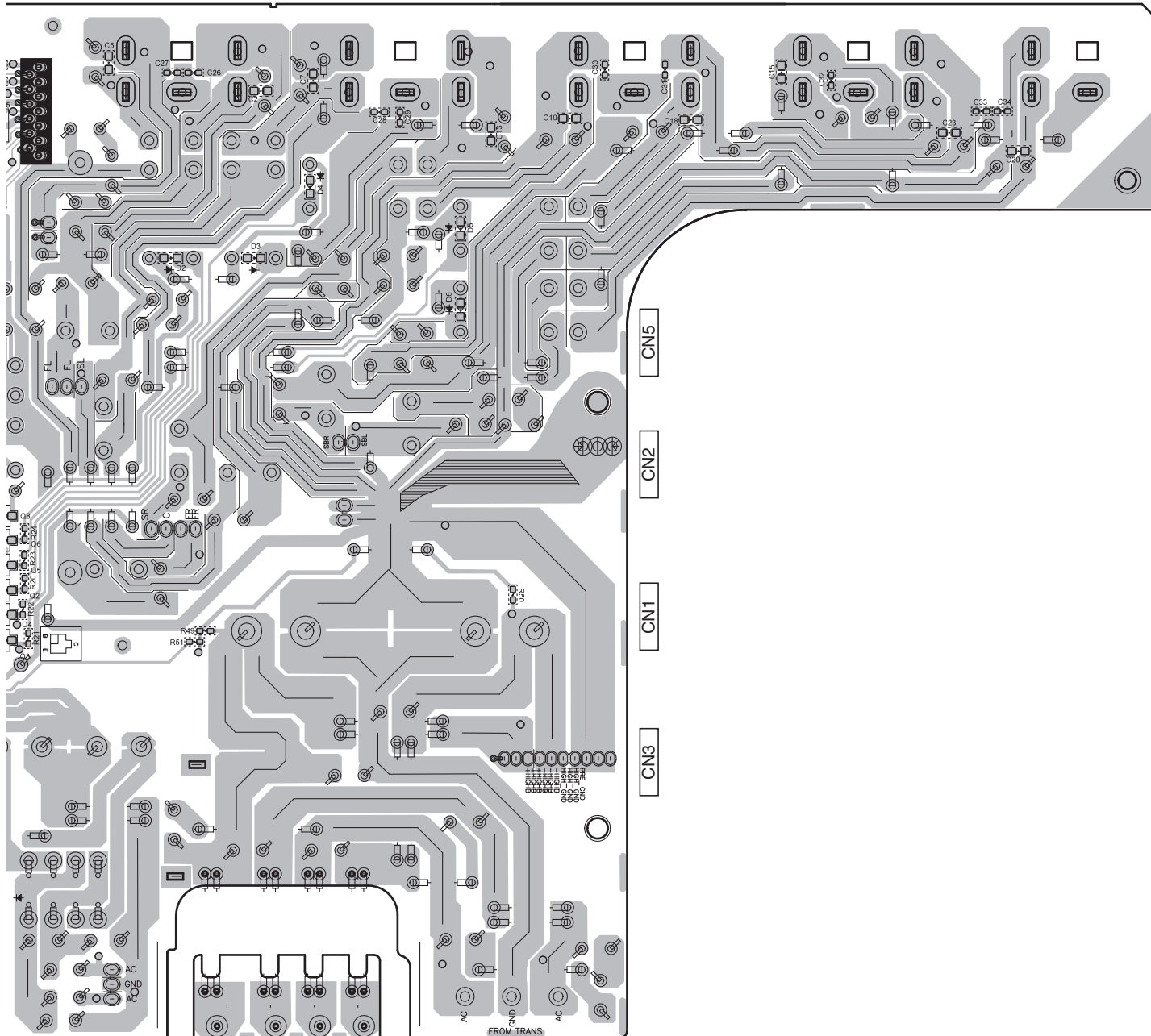
C

D

E

F

CP10



CP3

CP1

CN5

CN2

CN1

CN3

CN4

11.2 DMAIN ASSY

SIDE A

C DMAIN ASSY

L CP3603

CN9502

D CP2009

B CN1802

P CX101

CN9501

A

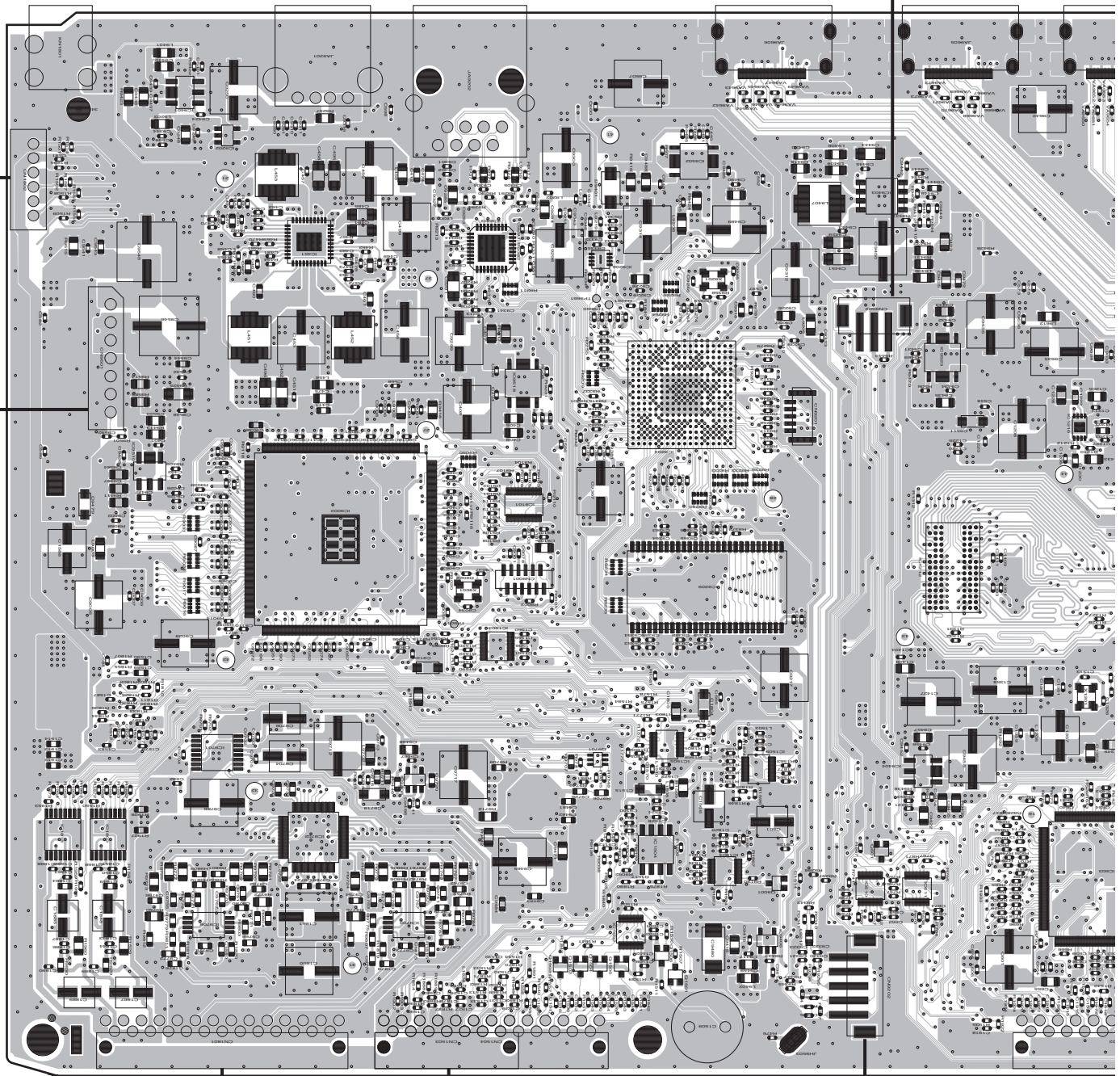
B

C

D

E

F



CN1801

CN1504

CN9202

E CN2111

E CN2114

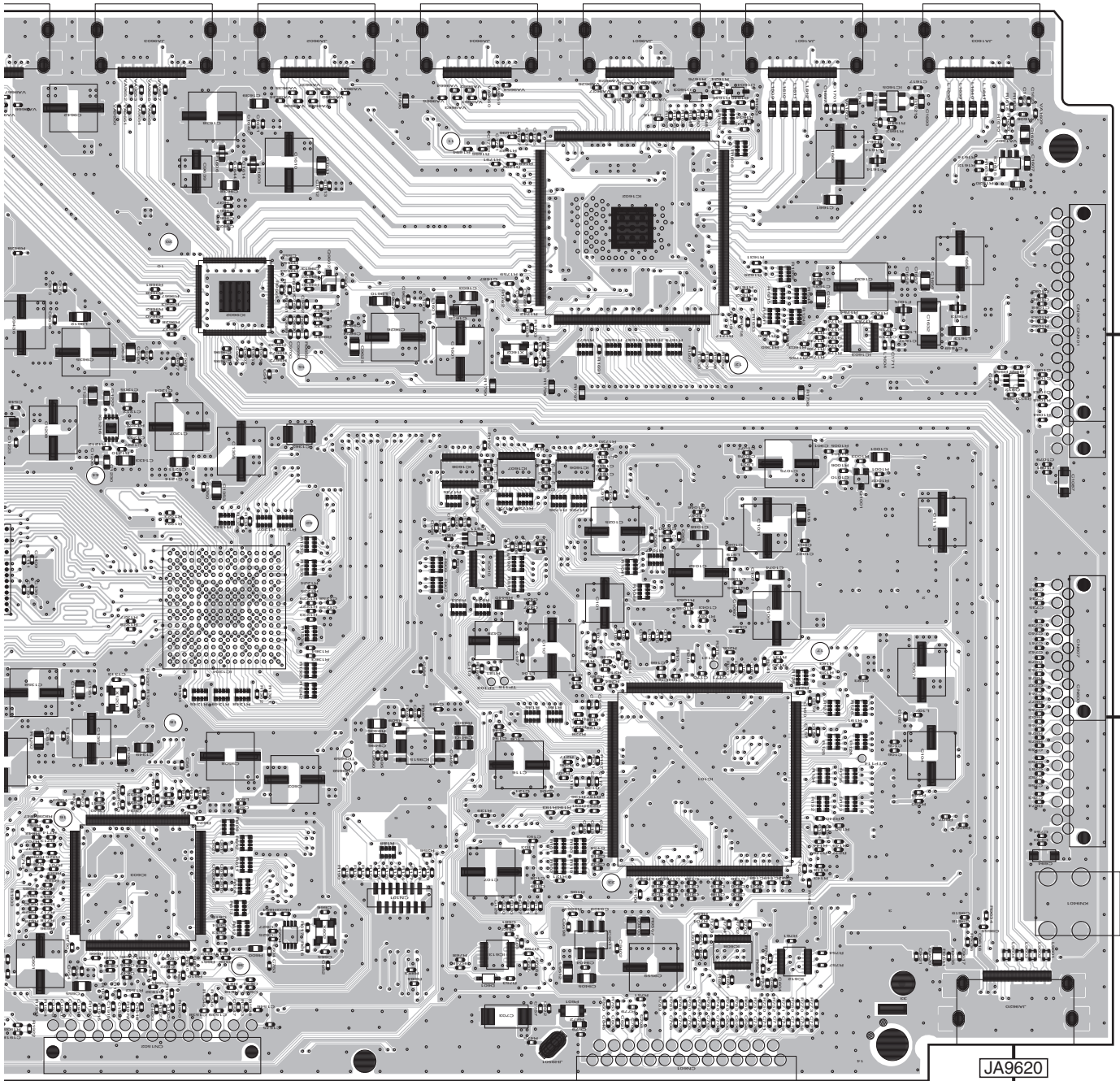
L CP3601

- | | | | | | | | | |
|--------|--------|--------|--------|--------|-------------|--------|--------|--------|
| IC9401 | IC9202 | IC451 | IC9203 | IC9206 | IC9502 | IC9403 | IC9523 | IC1216 |
| IC9510 | IC9002 | IC9518 | IC9101 | IC9204 | IC9209 | IC9404 | IC1212 | IC60 |
| IC1818 | IC1802 | IC9701 | IC9408 | IC1503 | IC9701 | IC1505 | IC1509 | IC9406 |
| | IC9706 | IC9702 | IC9703 | | IC1504 | IC1804 | Q9001 | Q601 |
| | | | | | IC1502 | IC9406 | IC610 | IC611 |
| | | | | | Q1502-Q1505 | | | |

C

SIDE A

A



J CN303
CN902

J CN302
CN607

J CN301
CN601

L JACK8203
JA9620

B

C

D

E

IC1216	IC9602	Q9602	IC1608	IC1607	IC1606	IC1602	IC1605	IC1615
	IC1204		IC911				IC1603	Q912
IC603		IC604	IC9515	IC910		IC101	Q1001	
			IC613	IC9511		IC608	IC612	

F

VSX-1124-K

C

SIDE B

A

C DMAIN ASSY

B

C

D

E

F

CN902

CN607

JA9620

CN601

Q906-Q911

Q9606 Q9607

Q9608-Q9611

IC9603

IC9505

IC103

IC909

IC902

IC1601

Q9603

IC9405

IC105

IC901

IC9508

IC

IC102

IC104

IC61

C

SIDE B

A

CN9502

CN1802

B

CN9501

C

D

E

CN9202

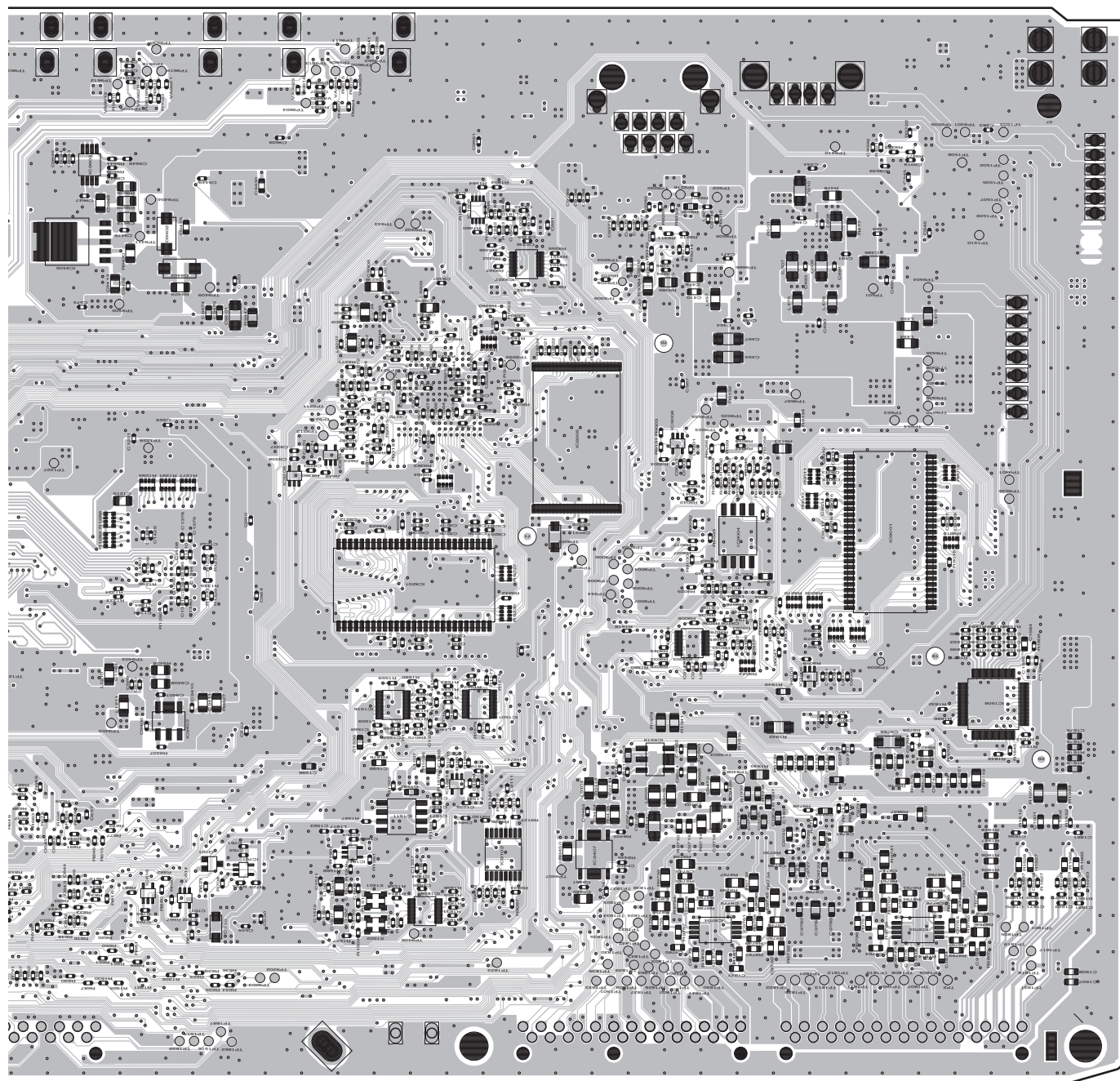
CN1504

CN1801

F

C

VSX-1124-K



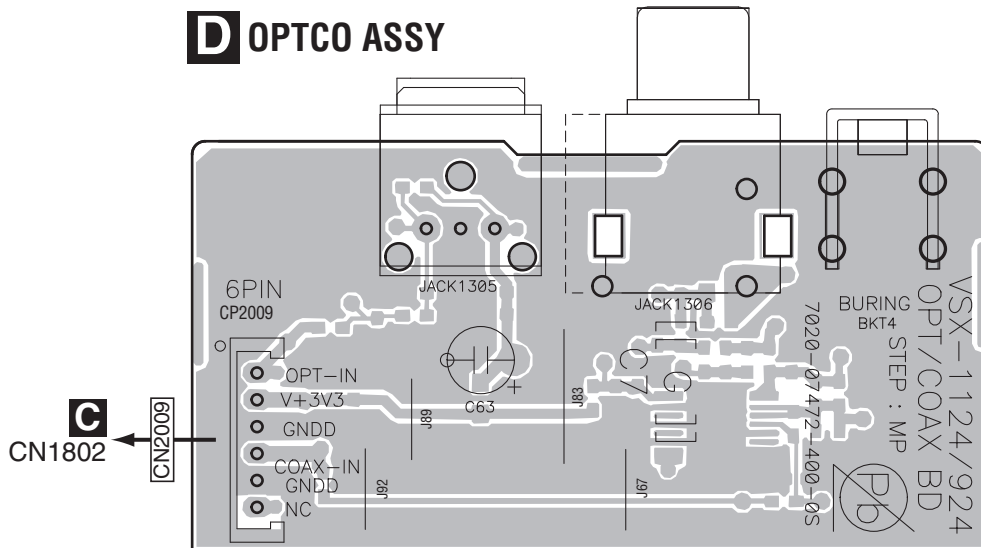
- IC9603 IC615 IC1808 IC9008 IC9001 IC1506
- IC9405 IC9402 IC9208 IC9201 IC9205 IC9004 IC9006 IC9705
- IC616 Q701 IC701 IC1516 IC1501 IC9519 IC9704
- IC614 IC1812 IC1511 IC1521 IC9102 IC9407
- IC1806

11.3 OPTCO ASSY

SIDE A

SIDE A

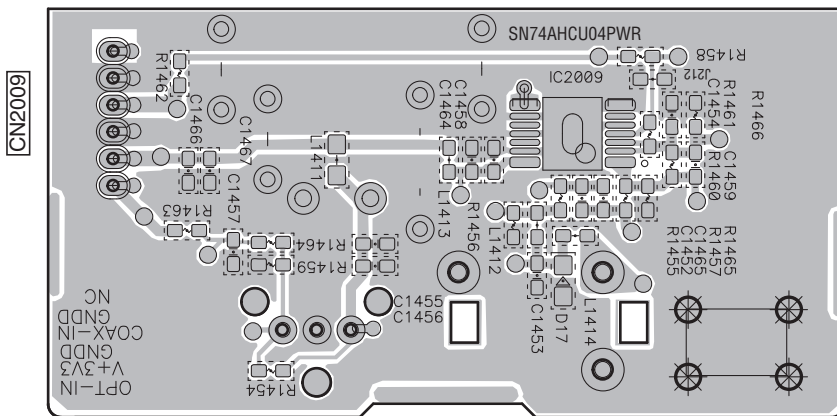
D OPTCO ASSY



SIDE B

SIDE B

D OPTCO ASSY



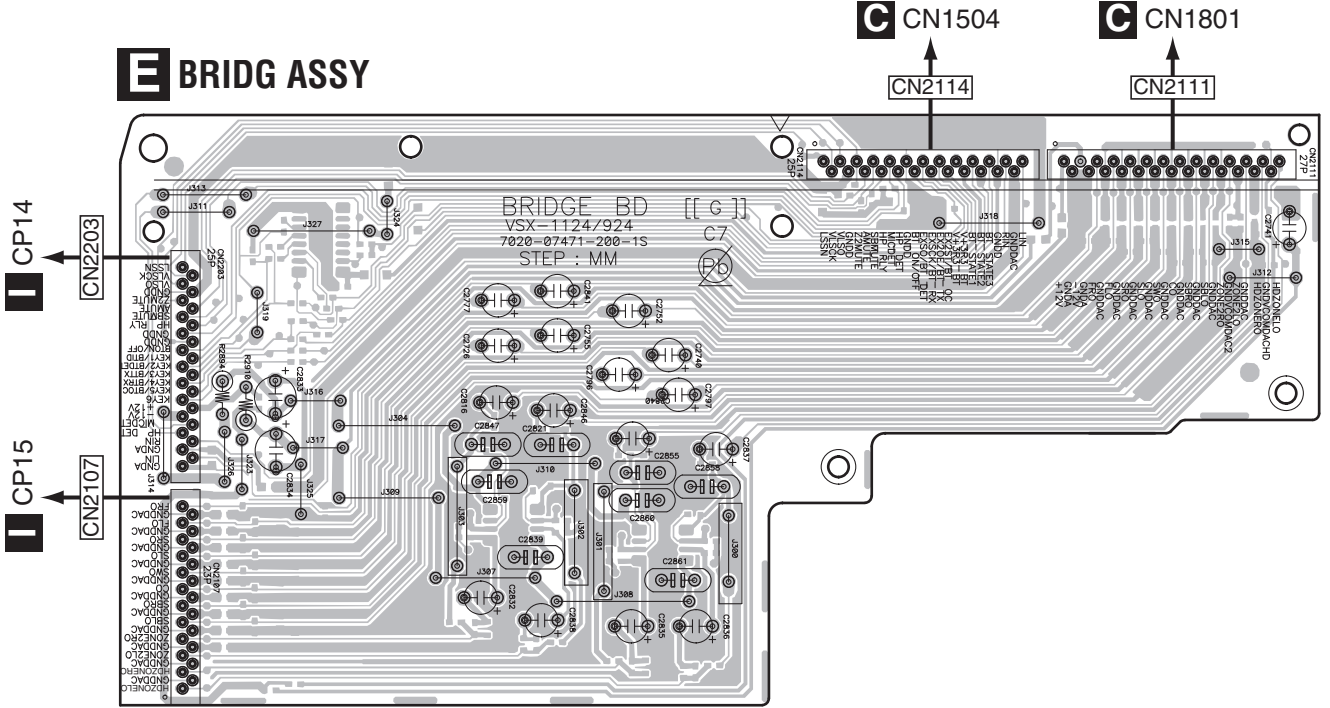
IC2009

D

11.4 BRIDG ASSY

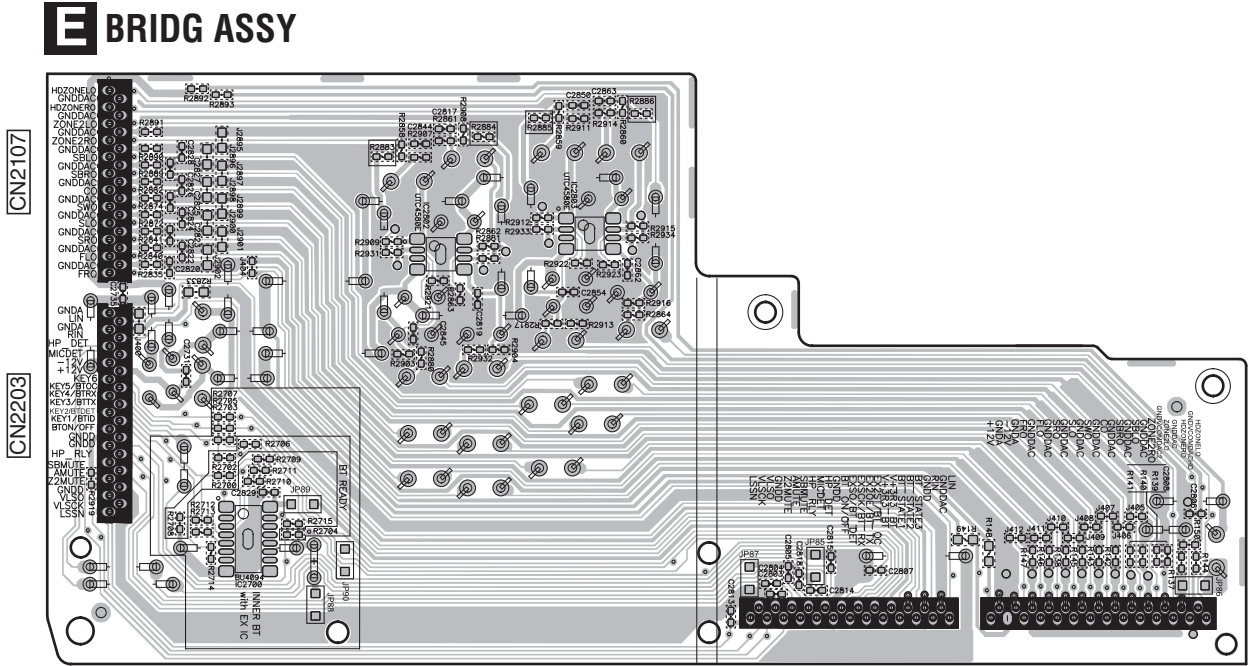
SIDE A

SIDE A



SIDE B

SIDE B



IC2700

IC2802

IC2803

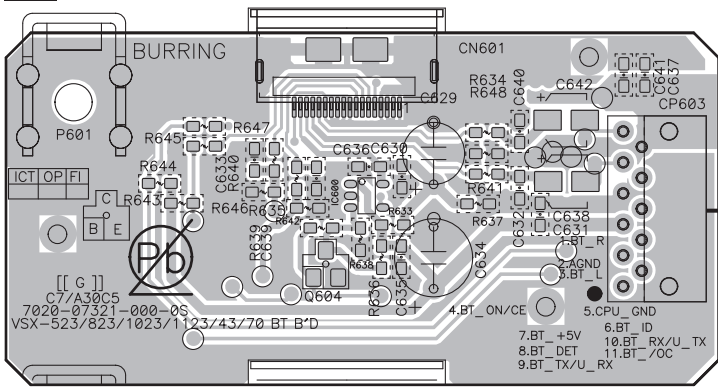
VSX-1124-K



11.6 BT and BT-CNT ASSYS

SIDE A

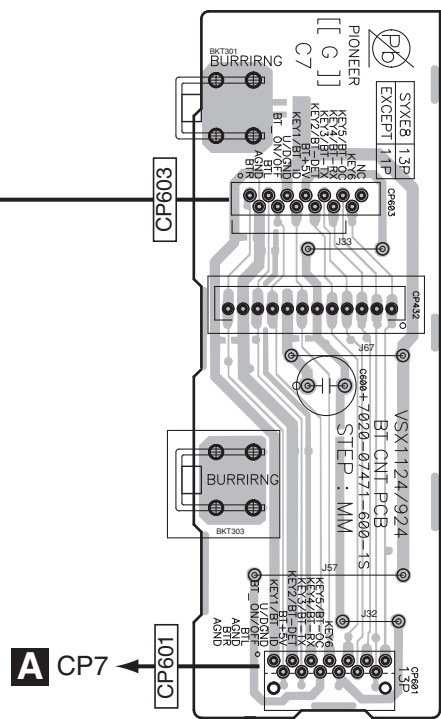
G BT ASSY



Q604 IC600

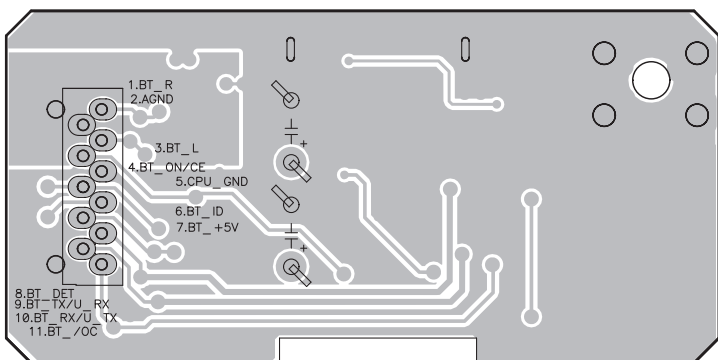
SIDE A

H BT-CNT ASSY



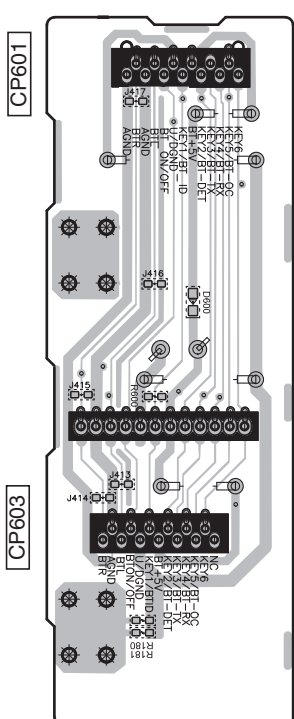
SIDE B

G BT ASSY



SIDE B

H BT-CNT ASSY

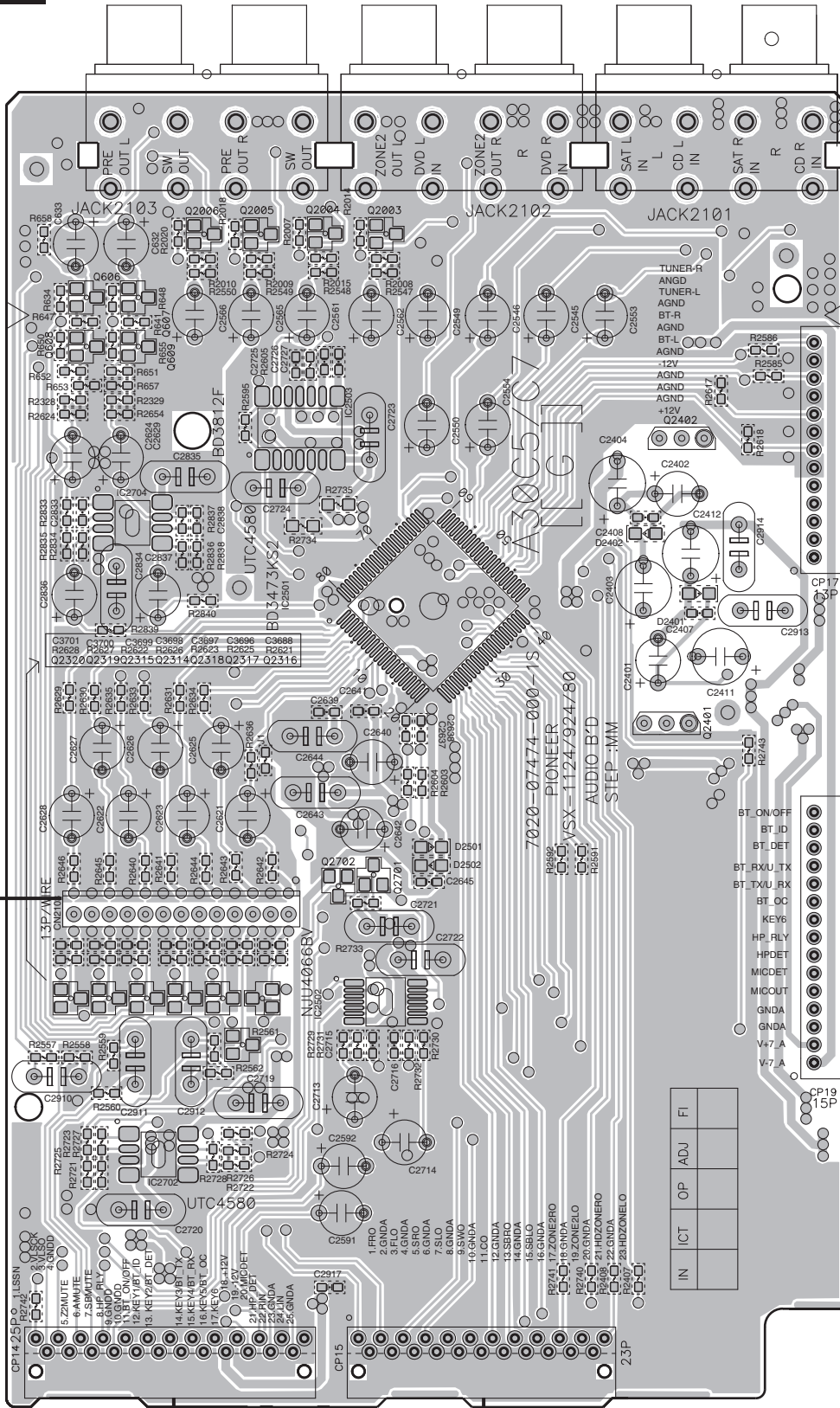


11.7 AUDIO ASSY

SIDE A

SIDE A

AUDIO ASSY



- Q2003-Q2006
- Q606-Q609
- IC2503 Q2402
- IC2704
- IC2501
- Q2401
- Q2702 Q2701
- Q2314-Q2320 IC2502
- IC2702

CP401
CN2103

CP14

CP15

CP17
A CP19

CP19
A CP24

CP15
E CN2203

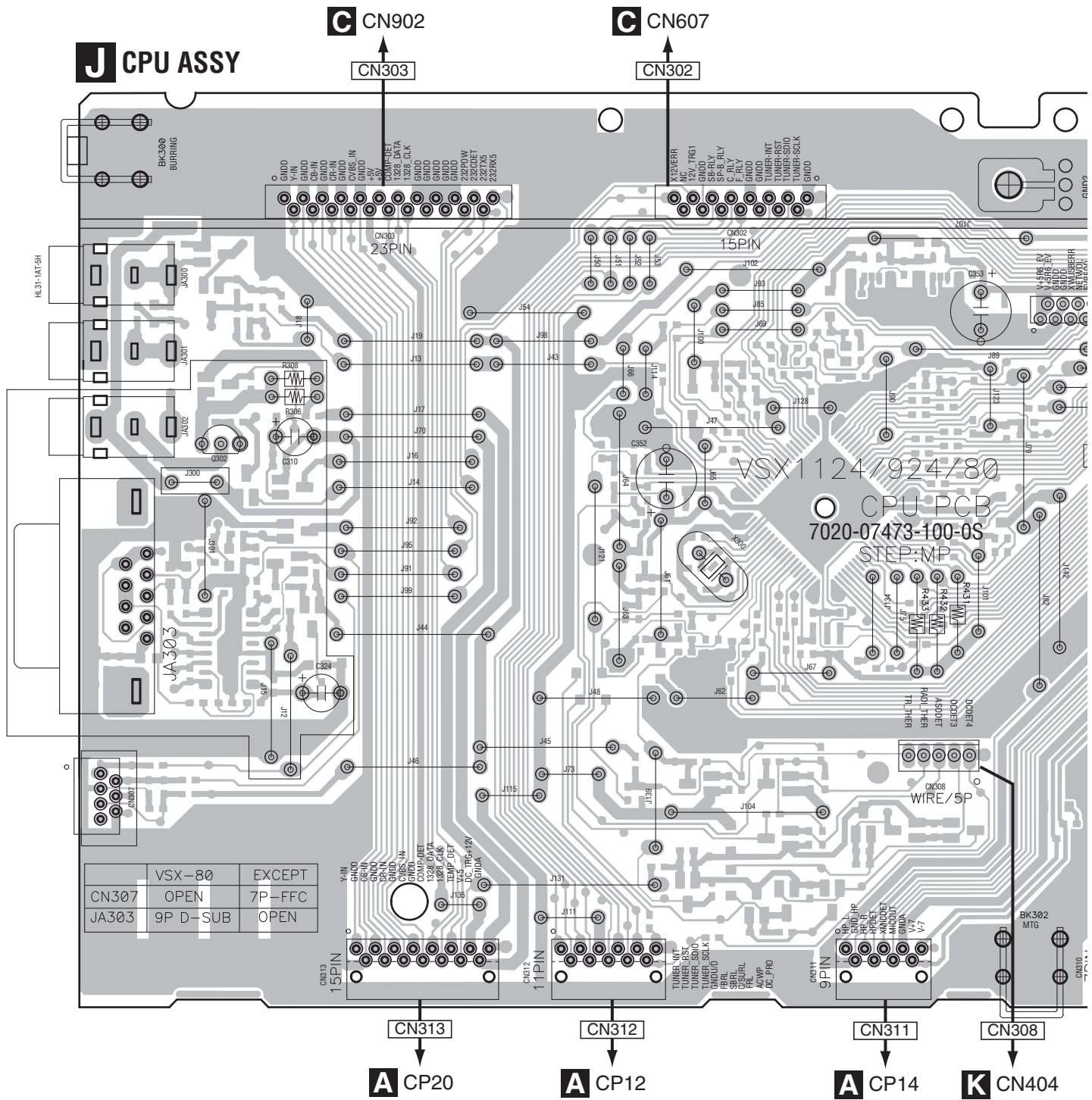
CP15
E CN2107

VSX-1124-K

11.8 CPU ASSY

SIDE A

J CPU ASSY



Q302

J

SIDE B

A

B

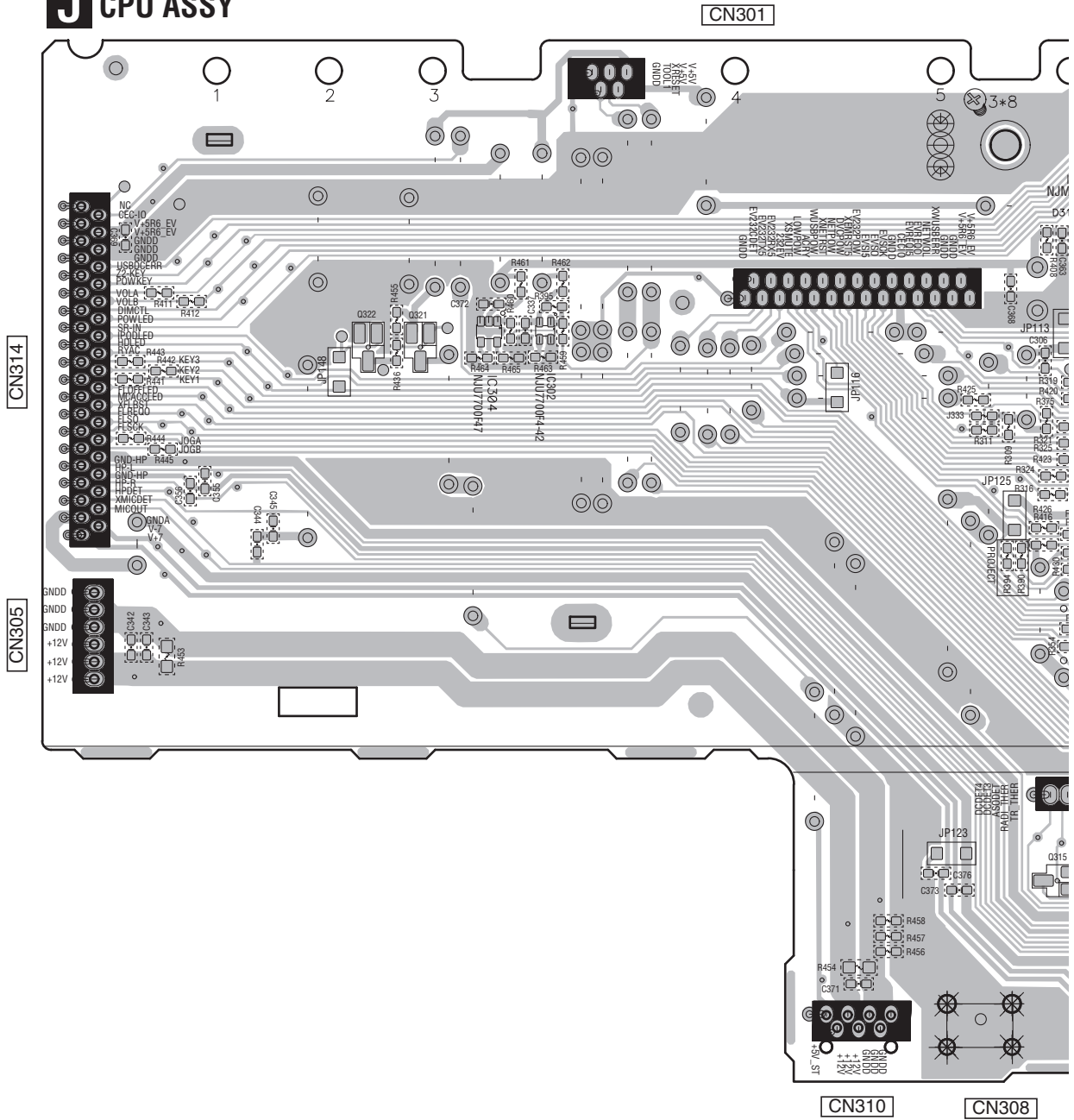
C

D

E

F

J CPU ASSY



Q322 Q321 IC304 IC302

IK
Q31

J

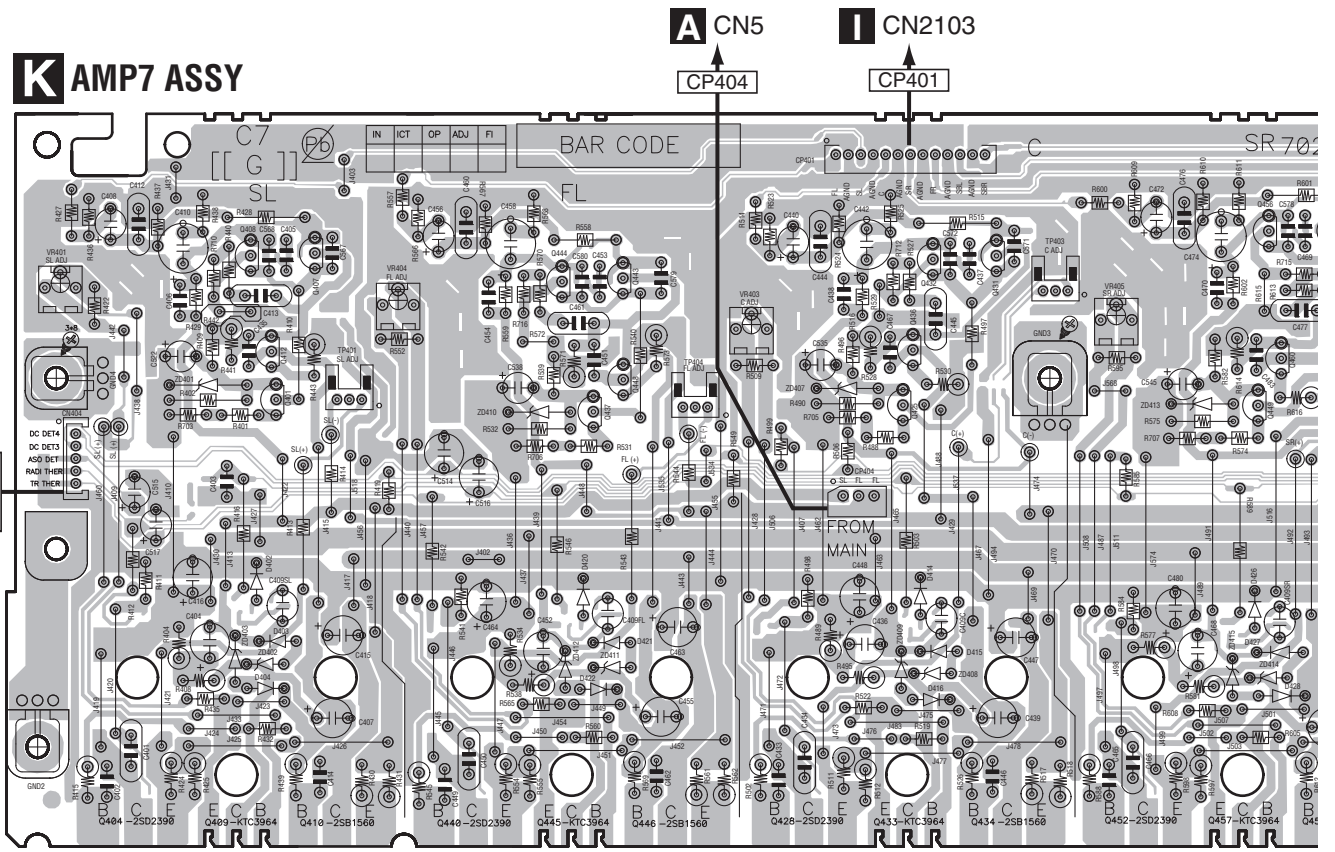
70

VSX-1124-K

11.9 AMP7 ASSY

SIDE A

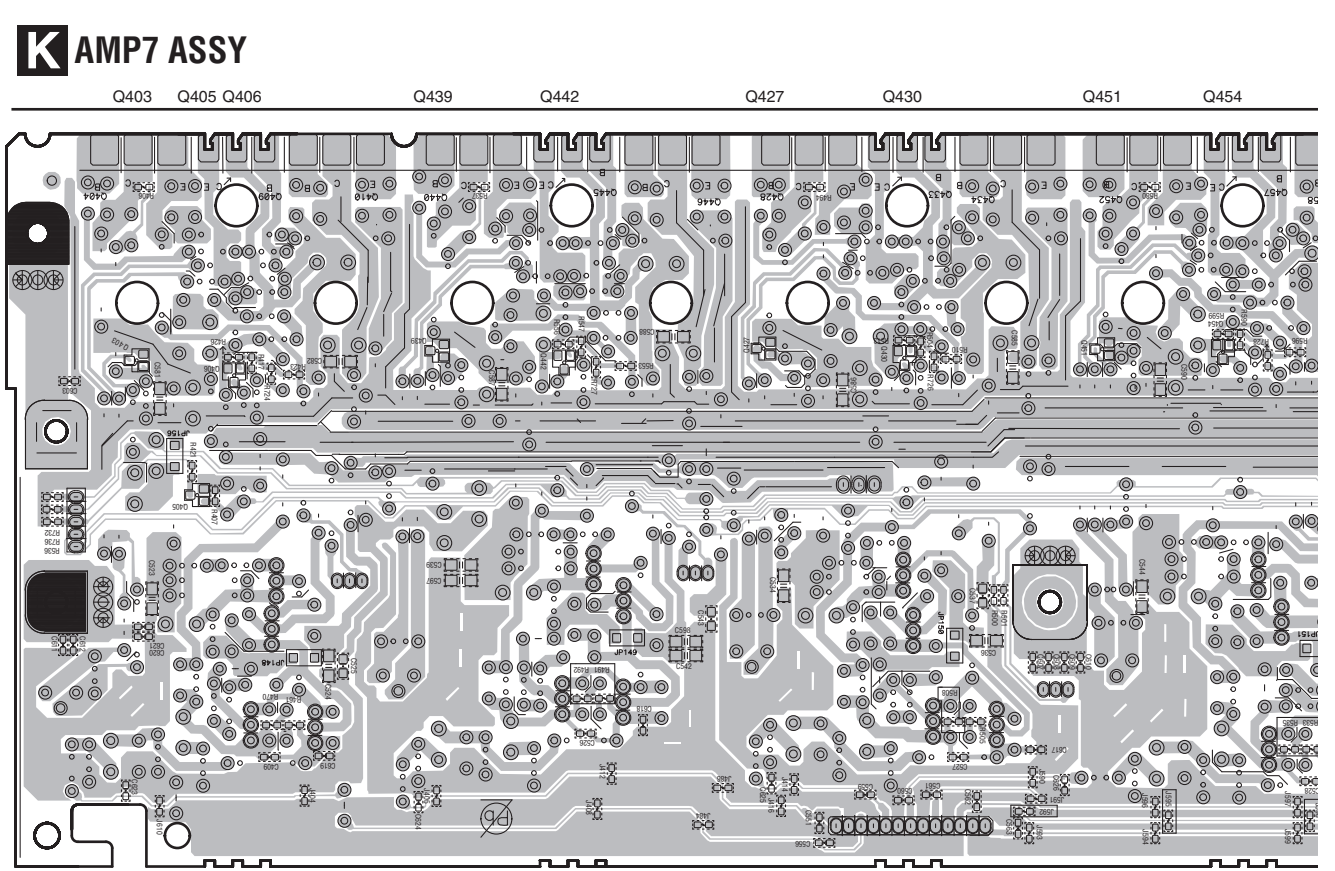
K AMP7 ASSY



VR401	Q404	Q408	Q412	Q407	VR404	Q444	Q448	Q443	VR403	Q432	Q431	VR405	Q456
	Q409	Q401	Q410	Q410	Q445	Q437	Q446	Q446	Q428	Q433	Q434	Q452	Q460
													Q449
													Q457

SIDE B

K AMP7 ASSY



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

K

A CN1

A CN3

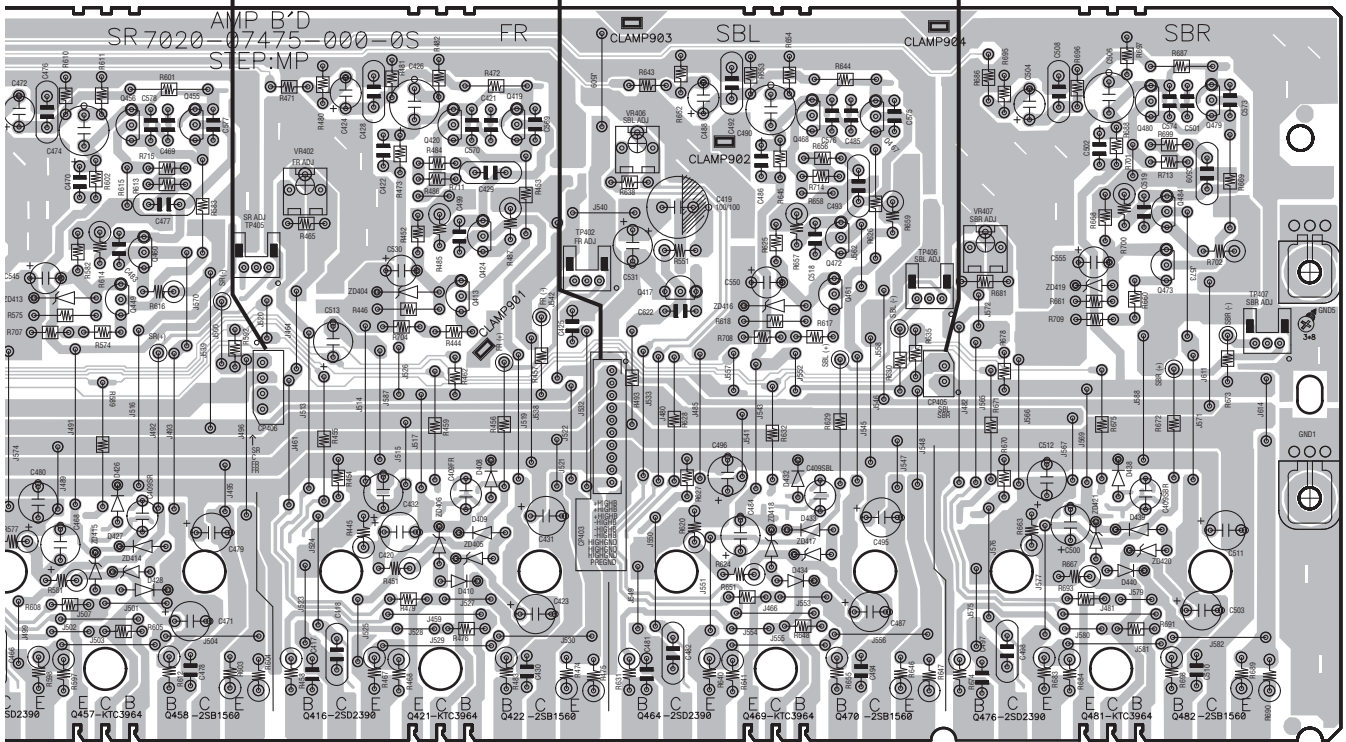
A CN2

SIDE A

CP406

CP403

CP405



Q456 Q455
Q460 Q449
Q457 Q458

Q416

Q420 Q419
Q413 Q424
Q421 Q422

Q417
Q464

Q468 Q467
Q461 Q472
Q470

Q476

Q480
Q473 Q484
Q482

SIDE B

Q454

Q415

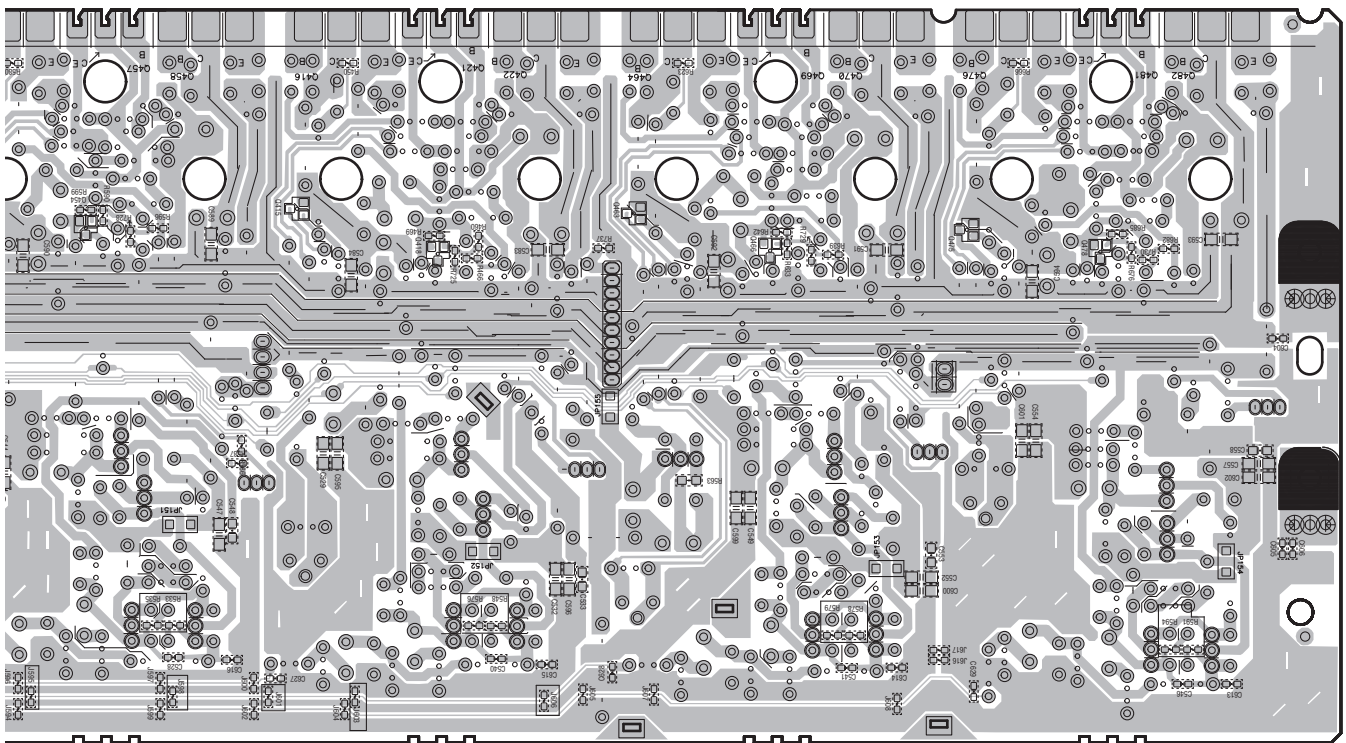
Q418

Q463

Q466

Q475

Q478



CP406

CP403

CP405

VSX-1124-K

K

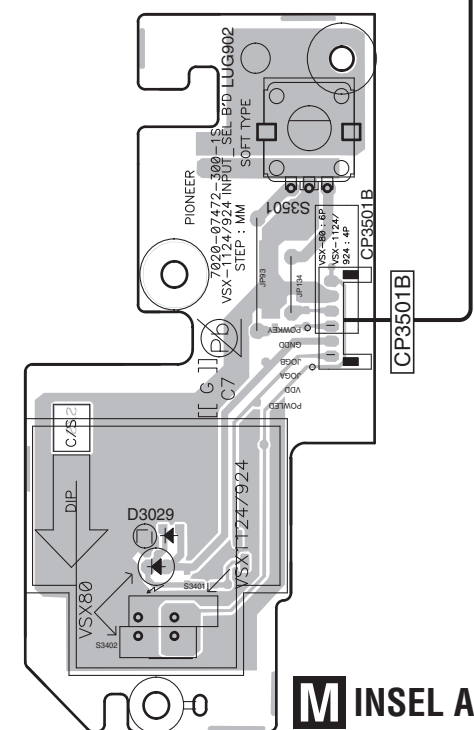
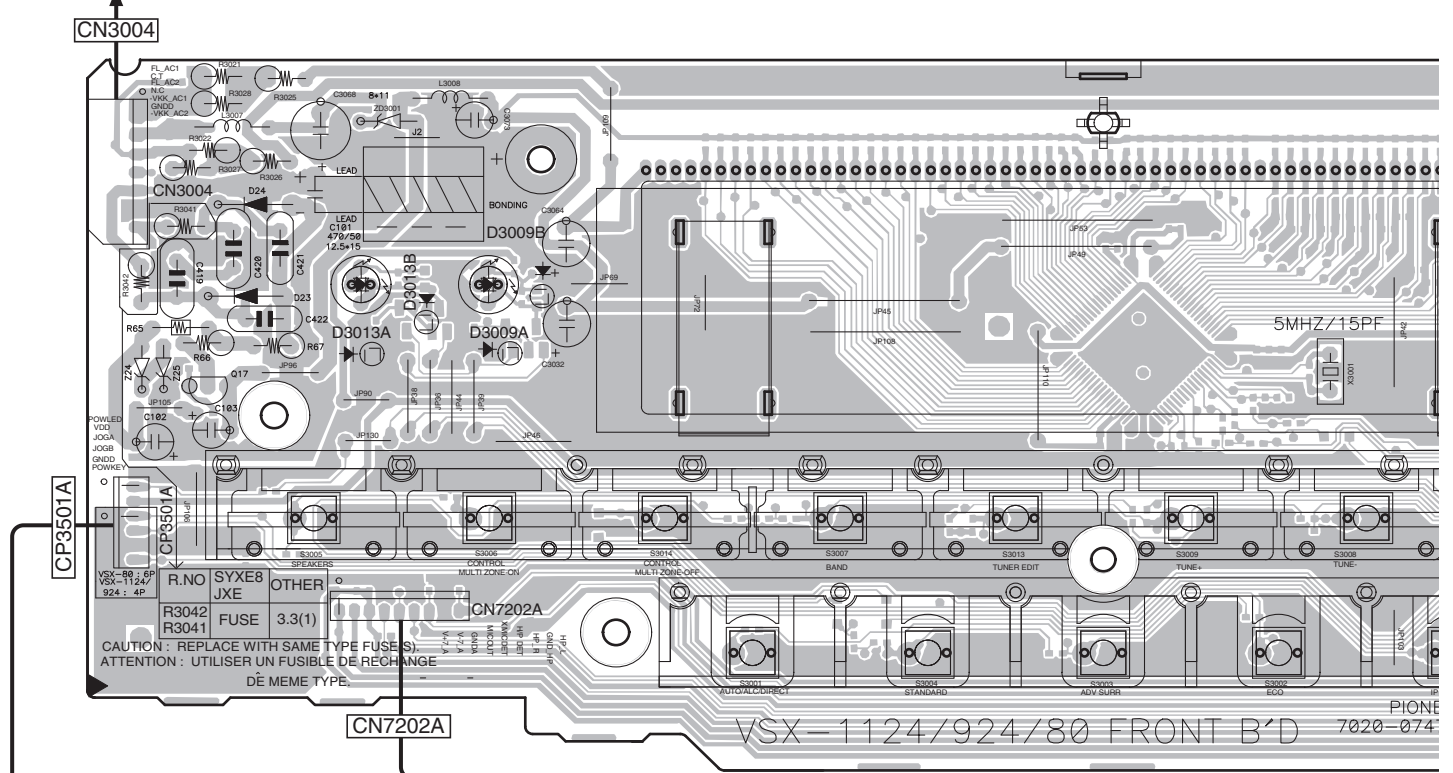
11.10 FHDMI, INSEL, FRONT and HPMIC ASSYS

SIDE A

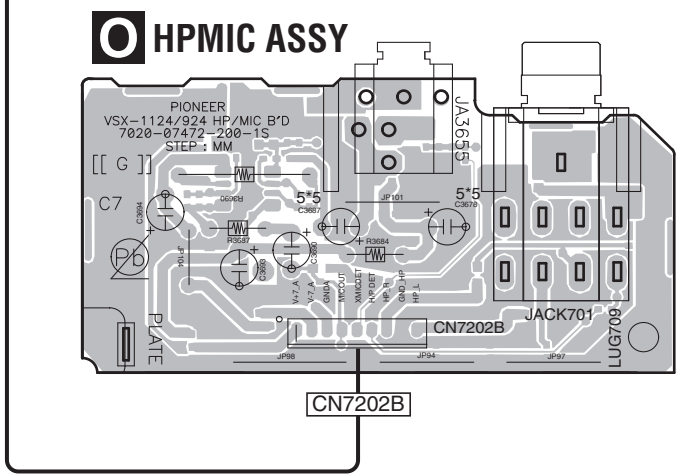
A
B
C
D
E
F

Q17

TO MAIN TRANS



M INSEL ASSY



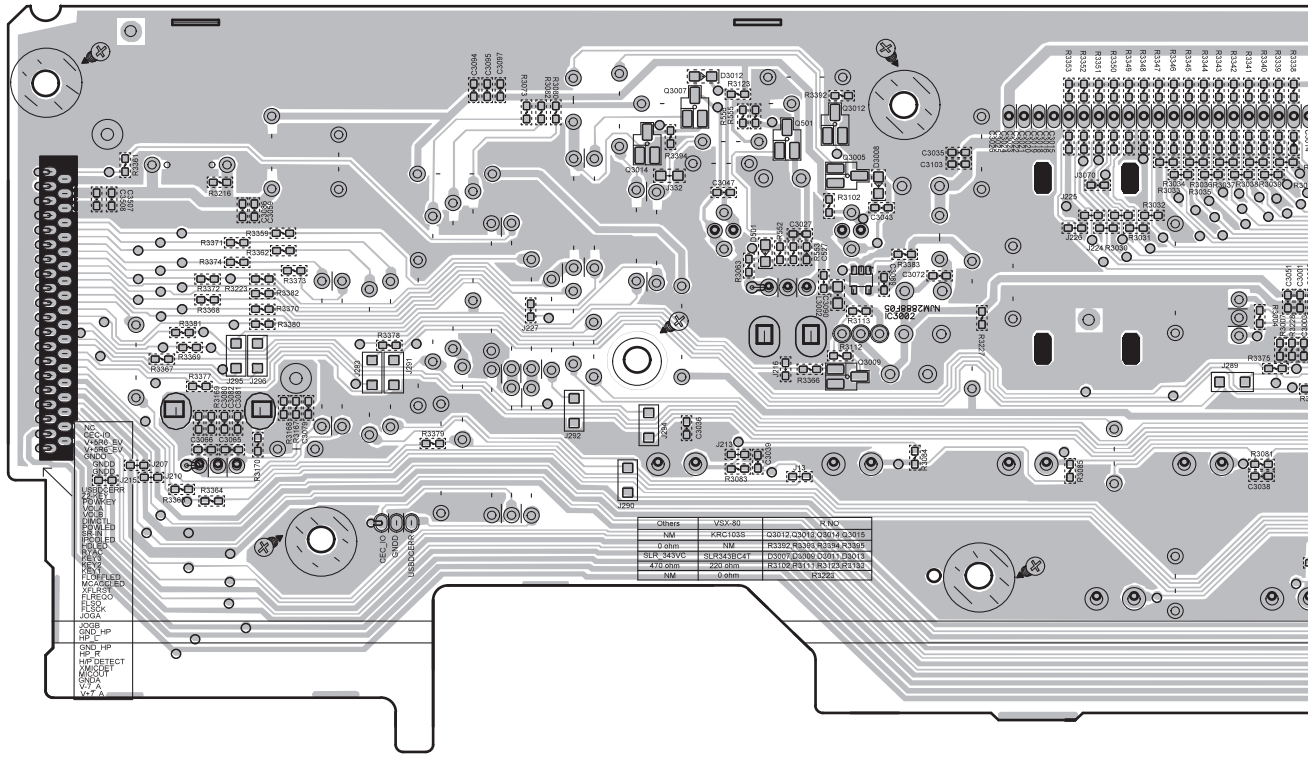
HPMIC ASSY

M N O

SIDE B

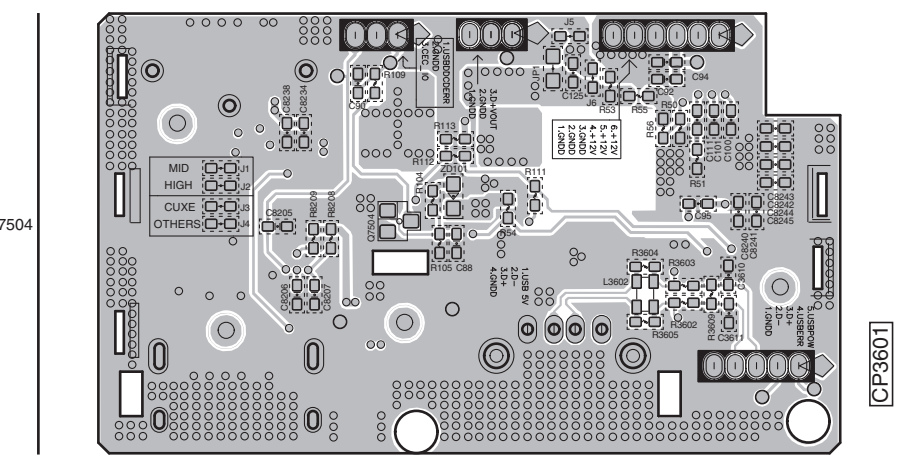
Q501 Q3012
 Q3005 IC3002
 Q3007 IC3009
 Q3014 Q3009

N FRONT ASSY



Others	100-00	0.0mm	0.0mm
	KRC1005	Q3012 Q2016 Q3014 Q3015	
	0.0mm	NM	R3352 R3353 R3354 R3355
REP* 843Vc	SEK2138C24	D3007 D3009 D3013 D3015	
418.026	200.025	R3102 R3111 R3112 R3113	
NM	0.0mm	R3223	

JACK8203 CN803 CN3603 CN801



L FDMI ASSY



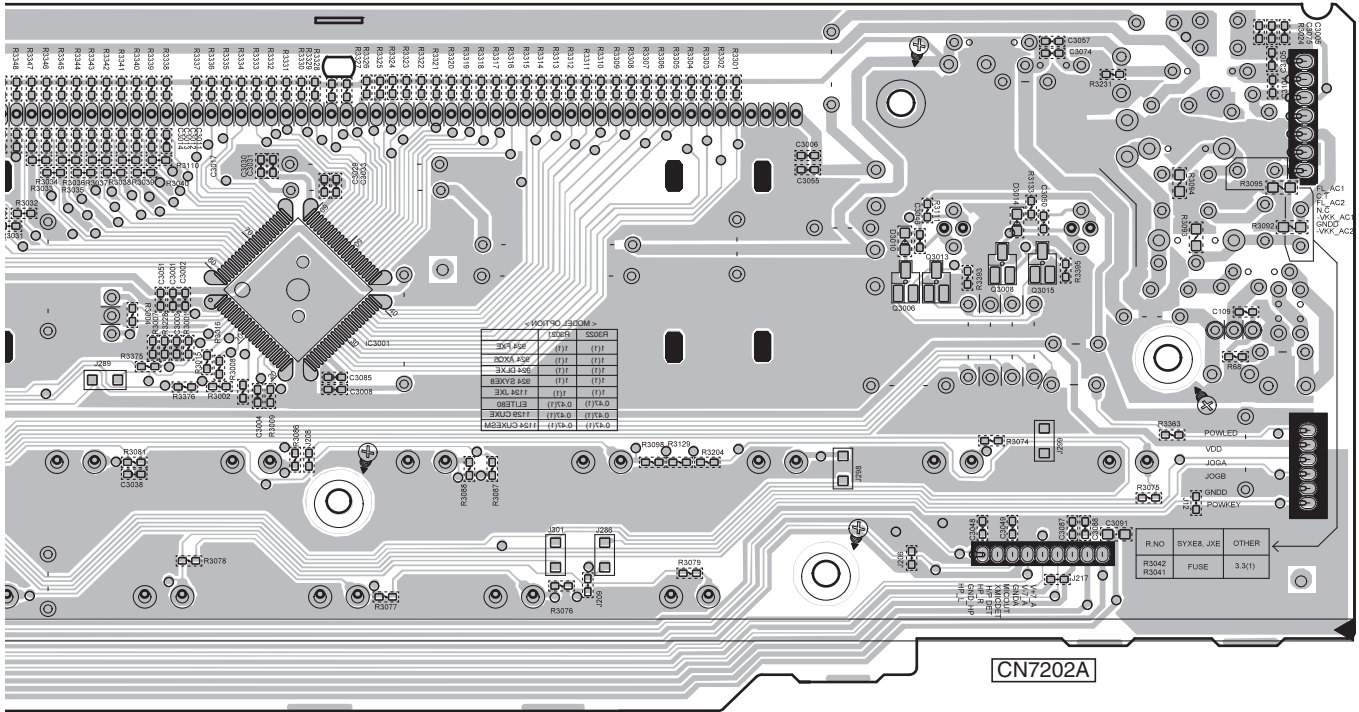
SIDE B

A

IC3001

Q3006 Q3013 Q3008 Q3015

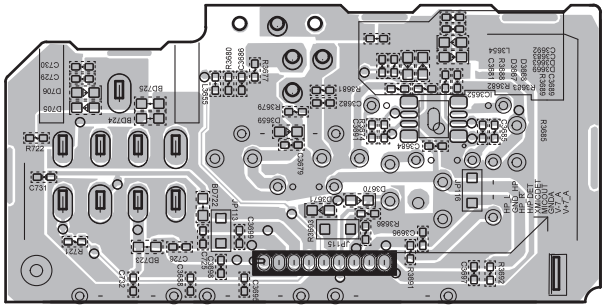
CN3004



CP3501A

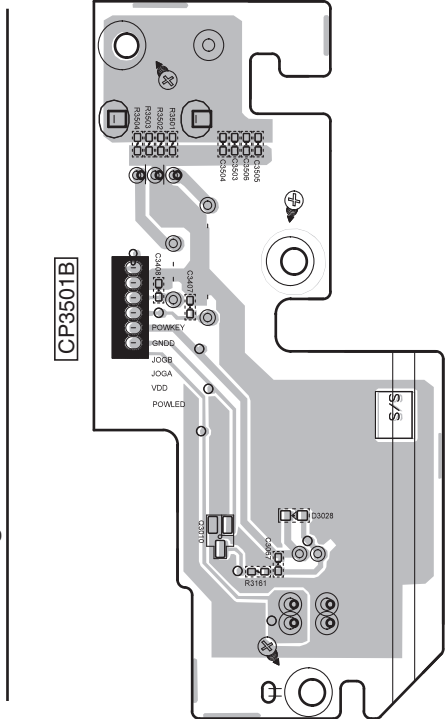
CN7202A

HPMIC ASSY



CN7202B

MINSEL ASSY



CP3501B

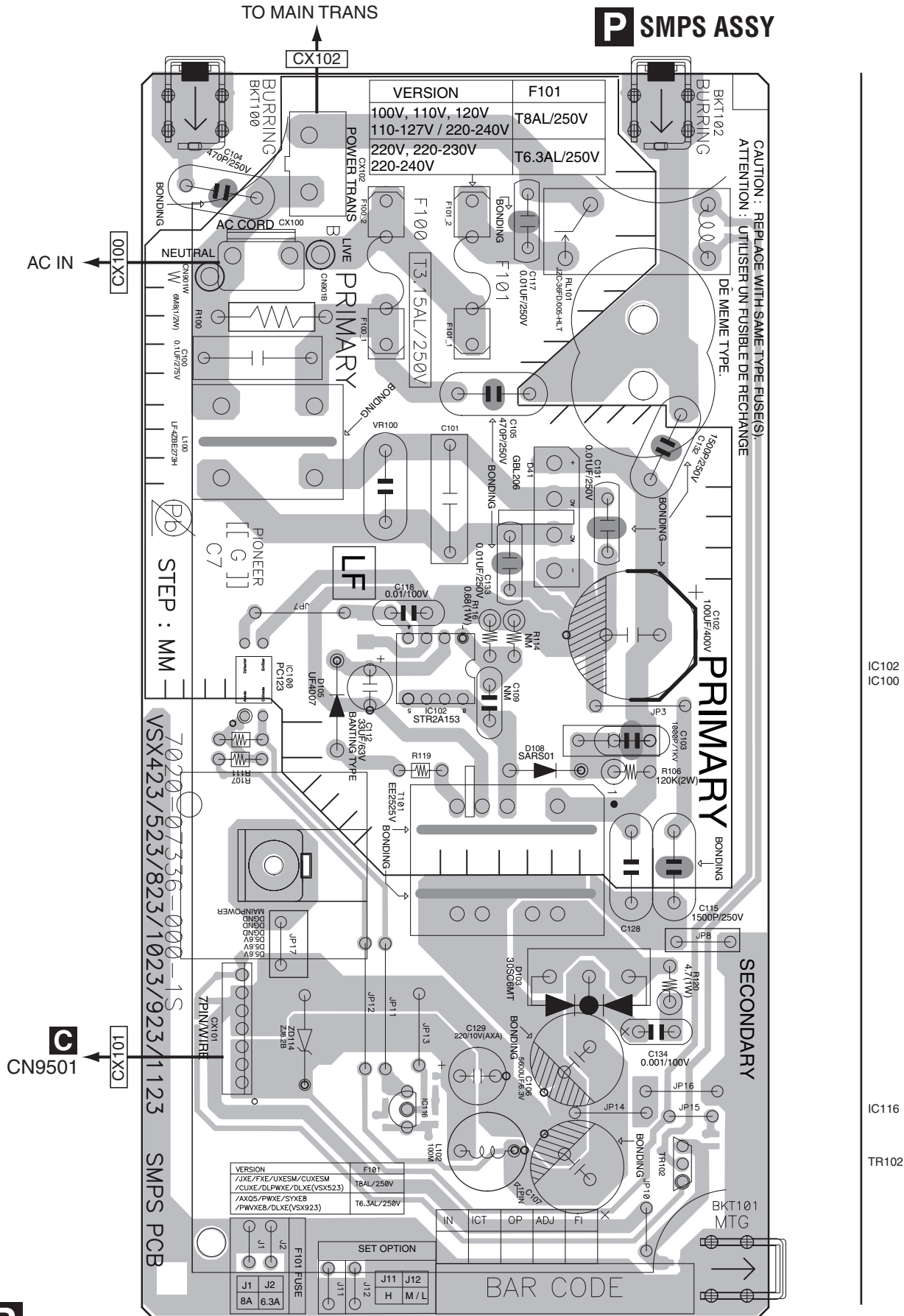
Q3010

M N O

11.11 SMPS ASSY

SIDE A

SIDE A



IC102
IC100

IC116

TR102

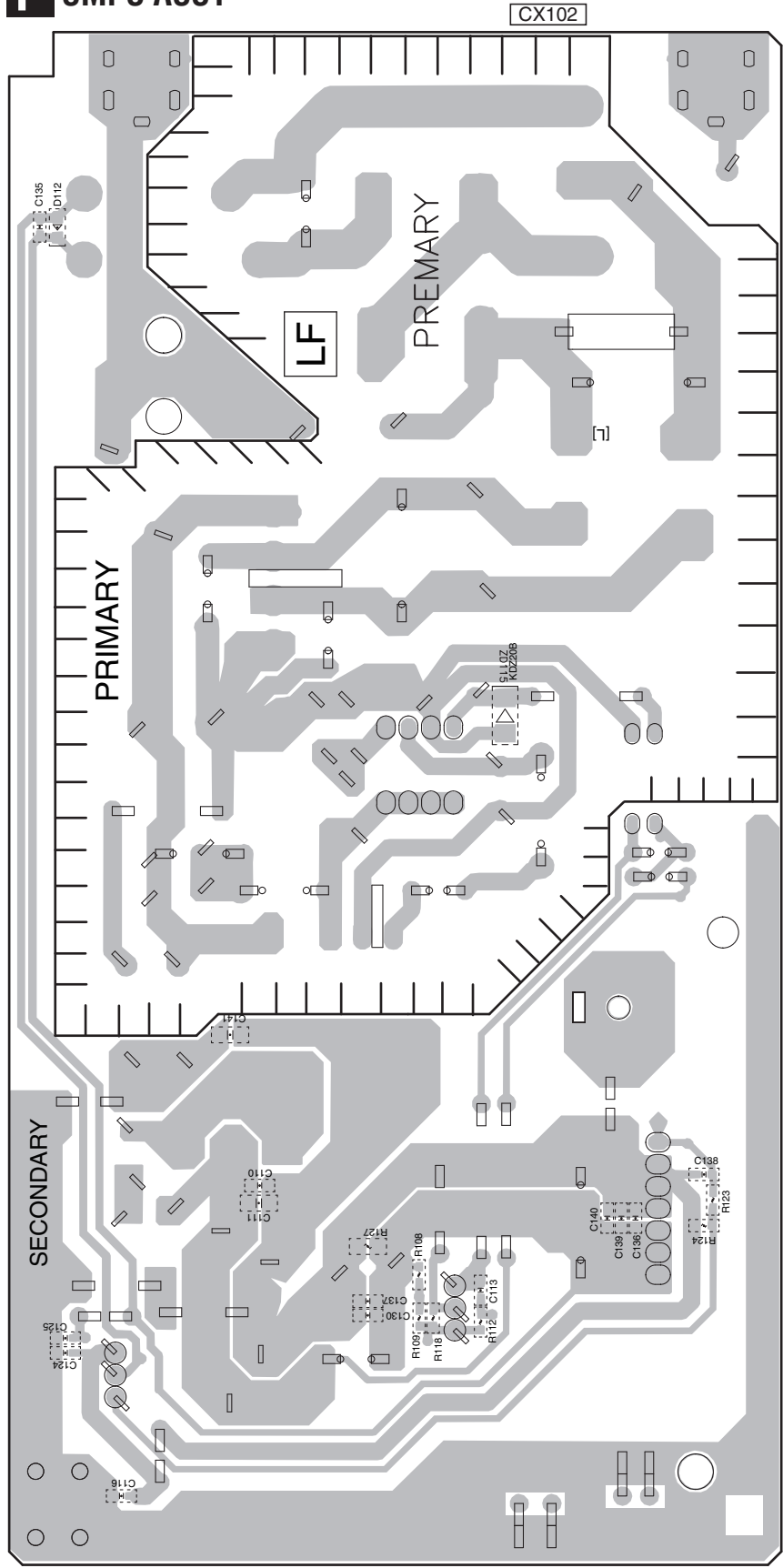
P

SIDE B

SIDE B

A
B
C
D
E
F

P SMPS ASSY



12. PCB PARTS LIST

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

● 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.

● 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%).

$560 \Omega \rightarrow 56 \times 10^1 \rightarrow 561 \dots\dots\dots RD1/APU \boxed{5} \boxed{6} \boxed{7} J$
 $47 \text{ k}\Omega \rightarrow 47 \times 10^3 \rightarrow 473 \dots\dots\dots RD1/APU \boxed{4} \boxed{7} \boxed{3} J$
 $0.5 \Omega \rightarrow R50 \dots\dots\dots RN2H \boxed{R} \boxed{5} \boxed{0} K$
 $1 \Omega \rightarrow 1R0 \dots\dots\dots RSIP \boxed{1} \boxed{R} \boxed{0} K$

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

$5.62 \text{ k}\Omega \rightarrow 562 \times 10^1 \rightarrow 5621 \dots\dots\dots RN1/4PC \boxed{5} \boxed{6} \boxed{2} \boxed{1} F$

● 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-1124-K /CUXESM	VSX-1129-K /CUXE	VSX-80 /CUXE	VSA-1124 /JXE
NSP	1..PCB TTL ASSY MAIN	7025HK1307010	7025HK1307020	7025HK1307030	7025HK1307040
	2..MAIN ASSY (PCB SUB ASSY MAIN)	7028074711030	7028074711030	7028074711010	7028074711040
	2..BRIDG ASSY (PCB SUB ASSY BRIDG)	7028074712010	7028074712010	7028074712010	7028074712030
	2..GUI-A ASSY (PCB SUB ASSY GUI-A)	7028074713010	7028074713010	7028074713010	7028074713010
	2..GUI-R ASSY (PCB SUB ASSY GUI-R)	7028074714010	7028074714010	7028074714010	7028074714010
	2..GUI-L1 Assy (PCB SUB ASSY GUI-L1)	7028074715010	7028074715010	7028074715010	7028074715010
	2..BT-CNT ASSY (PCB SUB ASSY BT-CNT)	7028074716010	7028074716010	7028074716010	7028074716010
	2..TEMP ASSY (PCB SUB ASSY TEMP)	7028074717010	7028074717010	7028074717010	7028074717020
NSP	1..PCB TTL ASSY DMAIN	7025HK1307012	7025HK1307022	7025HK1307032	7025HK1307042
	2..DMAIN ASSY (PCB SUB ASSY DMAIN)	7028074771010	7028074771010	7028074771010	7028074771030
NSP	1..PCB TTL ASSY FRONT	7025HK1307011	7025HK1307021	7025HK1307031	7025HK1307041
	2..FRONT ASSY (PCB SUB ASSY FRONT)	7028074721030	7028074721030	7028074721010	7028074721060
	2..HPMIC ASSY (PCB SUB ASSY HPMIC)	7028074722010	7028074722010	7028074722010	7028074722020
	2..INSEL ASSY (PCB SUB ASSY INSEL)	7028074723020	7028074723020	7028074723010	7028074723020
	2..OPTCO ASSY (PCB SUB ASSY OPTCO)	7028074724010	7028074724010	7028074724010	7028074724020
NSP	1..PCB TTL ASSY CPU	7025HK1307013	7025HK1307023	7025HK1307033	7025HK1307043
	2..CPU ASSY (PCB SUB ASSY CPU)	7028074731030	7028074731040	7028074731010	7028074731050
	2..VIDEO ASSY (PCB SUB ASSY VIDEO)	7028074732030	7028074732030	7028074732010	7028074732020
NSP	1..PCB TTL ASSY AUDIO	7025HK1307015	7025HK1307025	7025HK1307035	7025HK1307045
	2..AUDIO ASSY (PCB SUB ASSY AUDIO)	7028074741010	7028074741010	7028074741010	7028074741030
NSP	1..PCB TTL ASSY AMP7	7025HK1307014	7025HK1307024	7025HK1307034	7025HK1307044
	2..AMP7 ASSY (PCB SUB ASSY AMP7)	7028074751010	7028074751010	7028074751010	7028074751040
NSP	1..PCB TTL ASSY SMPS	7025HK1307016	7025HK1307026	7025HK1307036	7025HK1307046
Δ	2..SMPS ASSY (PCB SUB ASSY SMPS)	702807336108A	702807336108A	702807336106A	702807336109A
NSP	1..PCB TTL ASSY FHDMI	7025HK1307017	7025HK1307027	7025HK1307037	7025HK1307047
	2..FHDMI ASSY (PCB SUB ASSY FHDMI)	7028074581040	7028074581040	7028074581040	7028074581080
NSP	1..PCB TTL ASSY BT	7025HK1307018	7025HK1307028	7025HK1307038	7025HK1307048
	2..BT ASSY (PCB SUB ASSY BT)	70280732110L0	70280732110L0	70280732110L0	70280732110L0

CONTRAST OF PCB ASSEMBLIES

A MAIN ASSY

7028074711030, 7028074711010 and 7028074711040 are constructed the same with the exception of some components, including the following:

Mark	Symbol and Description	7028074711030	7028074711010	7028074711040
⚠	IC5 Liner regulator IC	Not used	J126781200040-IL	Not used
	Tuner, FM/AM	E903004100781S	E903004100781S	Not used

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

B TEMP ASSY

7028074717010 and 7028074717020 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.

C DMAIN ASSY

7028074771010 and 7028074771030 are constructed the same with the exception of some components, including the following:

Mark	Symbol and Description	7028074771010	7028074771030
⚠	IC9405 Regulator IC	NJM2819ADL3-05	Not used

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

D OPTCO ASSY

7028074724010 and 7028074724020 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.

E BRIDG ASSY

7028074712010 and 7028074712030 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.

F VIDEO ASSY

7028074732030, 7028074732020 and 7028074732010 are constructed the same with the exception of some components, including the following:

Mark	Symbol and Description	7028074732030	7028074732020	7028074732010
	JA1002 TER, RCA 6pin	Not used	Not used	G603610A0032Y-IL

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

I AUDIO ASSY

7028074741010 and 7028074741030 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.

J CPU ASSY

7028074731030, 7028074731040, 7028074731010 and 7028074731050 are constructed the same with the exception of some components, including the following:

Mark	Symbol and Description	7028074731030	7028074731040	7028074731010	7028074731050
⚠	IC301 IC, linear-regulator	Not used	Not used	J046323200020-IL	Not used
	Q302 Transistor	Not used	Not used	J5000916Y0050-IL	Not used
	JA302 Jack, D3.5	Not used	Not used	G401PJ3080100-IL	Not used
	JA303 CN. wafer Interface	Not used	Not used	L103090090040-IL	Not used

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

K AMP7 ASSY

7028074751010 and 7028074751040 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.

L FHDMI ASSY

7028074581040 and 7028074581080 are constructed the same with the exception of some components, including the following:

Mark	Symbol and Description	7028074581040	7028074581080
⚠	IC2021 Regulator IC	NJM2819ADL3-515H	Not used

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

M INSEL ASSY

7028074723020 and 7028074723010 are constructed the same with the exception of some components, including the following:

Mark	Symbol and Description	7028074723020	7028074723010
	D3029 LED, round	Not used	K500036000160-IL
	S3401 Switch	G180501000010-IL	Not used
	S3402 Switch	Not used	G180501000010-IL

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

N FRONT ASSY

7028074721030, 7028074721010 and 7028074721060 are constructed the same with the exception of some components, including the following:

Mark	Symbol and Description	7028074721030	7028074721010	7028074721060
	D3007, D3009, D3011, D3013 LED, round	K500052009011-IL	K500036000160-IL	K500052009011-IL
⚠	FU3041, FU3042 Fuse	Not used	Not used	G658102121030S
	R67 R, metal Film 100ppm	Not used	Not used	C060047063050-IL
⚠	R3041, R3042 R, metal Film 100ppm	C0603R3065050S	C0603R3065050S	Not used

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

O HPMIC ASSY

7028074722010 and 7028074722020 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.

P SMPS ASSY

702807336108A, 702807336106A and 702807336109A are constructed the same with the exception of some components, including the following:

Mark	Symbol and Description	702807336108A	702807336106A	702807336109A
	CN9100 CN.wafer 7.92mm	L108396030010-IL	Not used	Not used

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

Mark	No.	Description	Part No.	Mark	No.	Description	Part No.
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A MAIN ASSY

SEMICONDUCTORS

⚠	IC 1	J126781200040-IL
⚠	IC 2	J126791200060-IL
⚠	IC 3	J126780500110-IL
	Q 14,15,20,21	J522305200050-IL
	Q 16	J520015301210-IL
⚠	D 7	K047100600220-IL
	D 8,17,19	K005041480230-IL
⚠	D 10-13	K000400700220-IL
⚠	D 4912	K047604000020-IL
	D 9002	K06004R744522-IL

MISCELLANEOUS

	50 TUNER,FM/AM	E903004100781S
	JA 1,2 TER,BOARD SCREW 8P	G614108V1010M-IL
	JA 3 TER,BOARD SCREW 2P	G611201A0200Y-IL
	RY 2-6 RELAY	G680060103010-IL
	RY 10 RELAY	G680240202030-IL

	CN 9007,9010 CN,WAFER	L109012511340S
	CN 9012 CN,WAFER	L109012511140S
	CN 9014 CN,WAFER	L109012510940S
	CN 9019 CN.WAFER 2.0MM	L101911501310S
	CN 9020 CN,WAFER	L109012511540S
	CN 9021 CN.WAFER	L109012510740S
	CN 9024 CN.WAFER 2.0MM	L101911501510S
⚠	FU 33,34 FUSE,MICRO (T4A 250 V)	G658402250050-IL

RESISTORS

	R 5,7,9,11	C060010065050-IL
	R 6,8,10,12	C060010066050-IL
	R 13,15,17	C060010065050-IL
	R 14,16,18	C060010066050-IL
	R 41,42	C060R22065050-IL
	R 81,82	C060033166050-IL

CAPACITORS

	C 55,58	D040103089230-IL
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Mark	No.	Description	Part No.
	C	76	D040103083000-IL
	C	84,85	D040472084020-IL

B TEMP ASSY SEMICONDUCTORS

TH 83,84

F340160801030S

C DMAIN ASSY SEMICONDUCTORS

IC 101
IC 102
IC 103
IC 104,604,1808
IC 105,614,616,1521


UPD61110GM-100S1
J001981266010S
8952VS9240010
TC7WHU04FK
TC7SH08FUS1

IC 603
IC 608
IC 610,1509,1806
IC 611
IC 612,1502

PE7008A
TC74VHCT541AFK
TC74VHC126FK
TC74VHCT126AFK
TC74VHCT08AFKS1

IC 613,1505,1601,1804
IC 901,910
IC 902,911
IC 909
IC 1501,1516,1603





TC74VHC08FK
TC74LCX541FK
TC7SZ125FUS1
J044718100010-IL
TC74VHC157FK

IC 1504,1511
IC 1506
 IC 1605,1615
IC 1606-1608,9101
IC 1802,1818






ICS511MLF
AK4118AEQ8
AAT4610BIGV-1
TC74VCX541FK
AK4388ET

IC 1812,9006,9208
IC 9001
IC 9003,9207
IC 9004
IC 9102






TC7SH08FUS1
J001986466010S
TC74VHC08FK
8952VS9240020
BU4094BCFV

 IC 9201,9209
 IC 9202
IC 9205
 IC 9401,9510
 IC 9402

J001030563160S
BD2226G
8952VS9240040
MM3529A33P
S-1172B10-U5

 IC 9403
 IC 9404,9505
 IC 9405
 IC 9406
 IC 9407,9502,9523

MM3542BF
MM3529A18P
NJM2819ADL3-05
MM3411A50N
S-1172B12-E6

 IC 9408
 IC 9508
 IC 9511,9519
 IC 9515
 IC 9518

MM3411A33N
MM3529A25P
MM3529A50P
S-1172B15-E6
S-1172B13-E6


IC 9603
IC 9701
IC 9702
IC 9703-9706

J046820650010S
AK5358AET
ES9006S
J121456500090S

MISCELLANEOUS

JA 1601,1603,9601-9606 CN.WAFER
JA 9201 CN,PLUG CONTACT
JA 9202 JACK,MODULAR
JA 9620 CN.WAFER

L109100195550-IL
G480400201010-IL
G4060RJ450230-IL
L109100195550-IL

Mark	No.	Description	Part No.
	P	601 SW,POLY	G300003500010-IL

CAPACITORS

C 1509

D040222081000-IL

D OPTCO ASSY SEMICONDUCTORS

IC 2009

J040740400290-IL

MISCELLANEOUS

JA 1305 MODULE
JA 1306 TER,RCA 1PIN
CN 2009 CN.WAFER

E100802000250-IL
G600107A0000Y-IL
L101911500610S

E BRIDG ASSY SEMICONDUCTORS

IC 2802,2803

J121458001010-IL

MISCELLANEOUS

CN 2107 CN,WAFER
CN 2111 CN,WAFER
CN 2114,2203 CN,WAFER

L109012512340S
L109012512740S
L109012512540S

F VIDEO ASSY SEMICONDUCTORS

IC 1001


J171132800010-IL

MISCELLANEOUS

JA 1001 TER,RCA 6PIN

G603610A0051Y-IL

G BT ASSY SEMICONDUCTORS

 IC 600

BD2224G

MISCELLANEOUS

CN 601 CONNECTOR

CKS5712

H BT-CNT ASSY MISCELLANEOUS

CN 603 CN,WAFER

L109012511140S

I AUDIO ASSY SEMICONDUCTORS

IC 2501
IC 2502
IC 2503
IC 2702,2704
Q 2401

BD3473KS2
J040406600010-IL
J084381200010S
J121458001010-IL
J5023198Y0000-IL

Q 2402

J5001266Y0050-IL

MISCELLANEOUS

JA 2101,2102 TER,RCA 4PIN
JA 2103 TER,RCA 4PIN

G602421E0002Y-IL
G602421E0046Y-IL

Mark No. Description Part No.

J CPU ASSY

SEMICONDUCTORS

IC 300	8952VS9240030
IC 302	J126077004210-IL
IC 303	NJM2888F05
IC 304	J126077004720S
IC 305	J126288833010S

MISCELLANEOUS

JA 300,301 JACK,D3.5	G401PJ3080100-IL
CN302 CN,WAFER	L109012511540S
CN303 CN,WAFER	L109012512340S

CAPACITORS

C 352,353	D040102081070-IL
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K AMP7 ASSY

SEMICONDUCTORS

Q 401,407,408,413	J5000992FA050-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

MISCELLANEOUS

VR 401-407 VR,SEMI CARBON MOLD	C541102315000-IL
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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 502,526,545,569	C060010165060-IL
⚠ R 511,512,517,518	N113136647820-IL
R 551	C060010165060-IL
⚠ R 554,555,561,562	N113136647820-IL

⚠ R 580,623,666	F320471001050-IL
⚠ R 588,612,631,655	C060010165060-IL
⚠ R 597,598,603,604	N113136647820-IL
R 616,659,702	C060047065060-IL
⚠ R 640,641,646,647	N113136647820-IL

⚠ R 674,698	C060010165060-IL
⚠ R 683,684,689,690	N113136647820-IL

L FHDMI ASSY

SEMICONDUCTORS

⚠ IC 808	J046206501010S
⚠ IC 2021	NJM2819ADL3-515H

Mark No. Description Part No.

IC 8202	PCA9517DGK
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MISCELLANEOUS

JA 600 CN,PLUG CONTACT	G480400201010-IL
JA 8082 CN,WAFER	L109100190250S

M INSEL ASSY

MISCELLANEOUS

S 3401 SWITCH	G180501000010-IL
S 3501 SW,ENCODER	G121121200230-IL

N FRONT ASSY

SEMICONDUCTORS

IC 3001	PE5615A
IC 3002	NJM2888F05
Q 17	J5000916Y0050-IL
Q 3011	J5001266G0050-IL
⚠ D 23,24	K000400700220-IL

D 3007,3009,3011,3013	K500052009011-IL
D 9001	K06006R844522-IL

MISCELLANEOUS

V 3001 DISPLAY,FLT	K530161560010S
S 3001-3015 SWITCH	G180501000010-IL
S 3024 SW,ENCODER	G121122400230-IL
X 3001 RESONATOR,CERAMIC	E830500000020-IL
1 HOLDER	4320211336000S

2 HOLDER	4320211336100S
U 3001 MODULE,REMOCON	E940349003810-IL

RESISTORS

R 66	N113135647920-IL
R 3021,3022	C0602R2065050S
⚠ R 3041,3042	C0603R3065050S

O HPMIC ASSY

SEMICONDUCTORS

IC 3652	J121458001010-IL
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MISCELLANEOUS

JA 701 JACK,D6.5	G402PJ612AG1Y-IL
JA 3655 JACK,D3.5	G40132340000Y-IL

P 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
D 9115	K06620R04P410-IL

MISCELLANEOUS

⚠ L 100 COIL,LINE FILTER	D320201405510-IL
⚠ RY 101 RELAY	G680060103030-IL

Mark	No.	Description	Part No.
⚠	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/250 V)	N751508001160-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

A

B

C

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