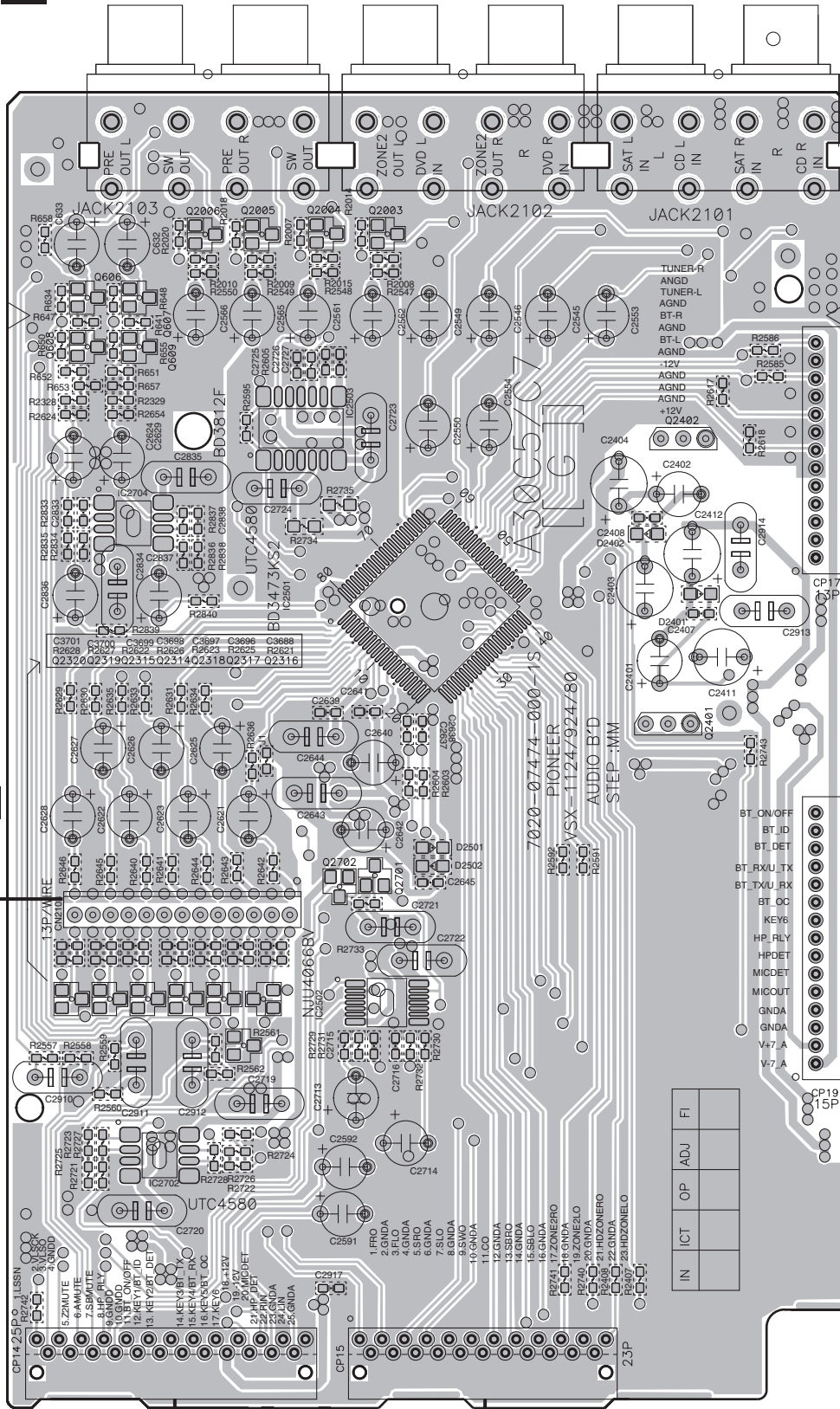


11.7 AUDIO ASSY

SIDE A

SIDE A

AUDIO ASSY



Q2003-Q2006

Q606-Q609

IC2503 Q2402

IC2704

IC2501

Q2401

Q2702 Q2701

Q2314-Q2320 IC2502

IC2702

CP17 A CP19

CP19 A CP24

CP14

CP15

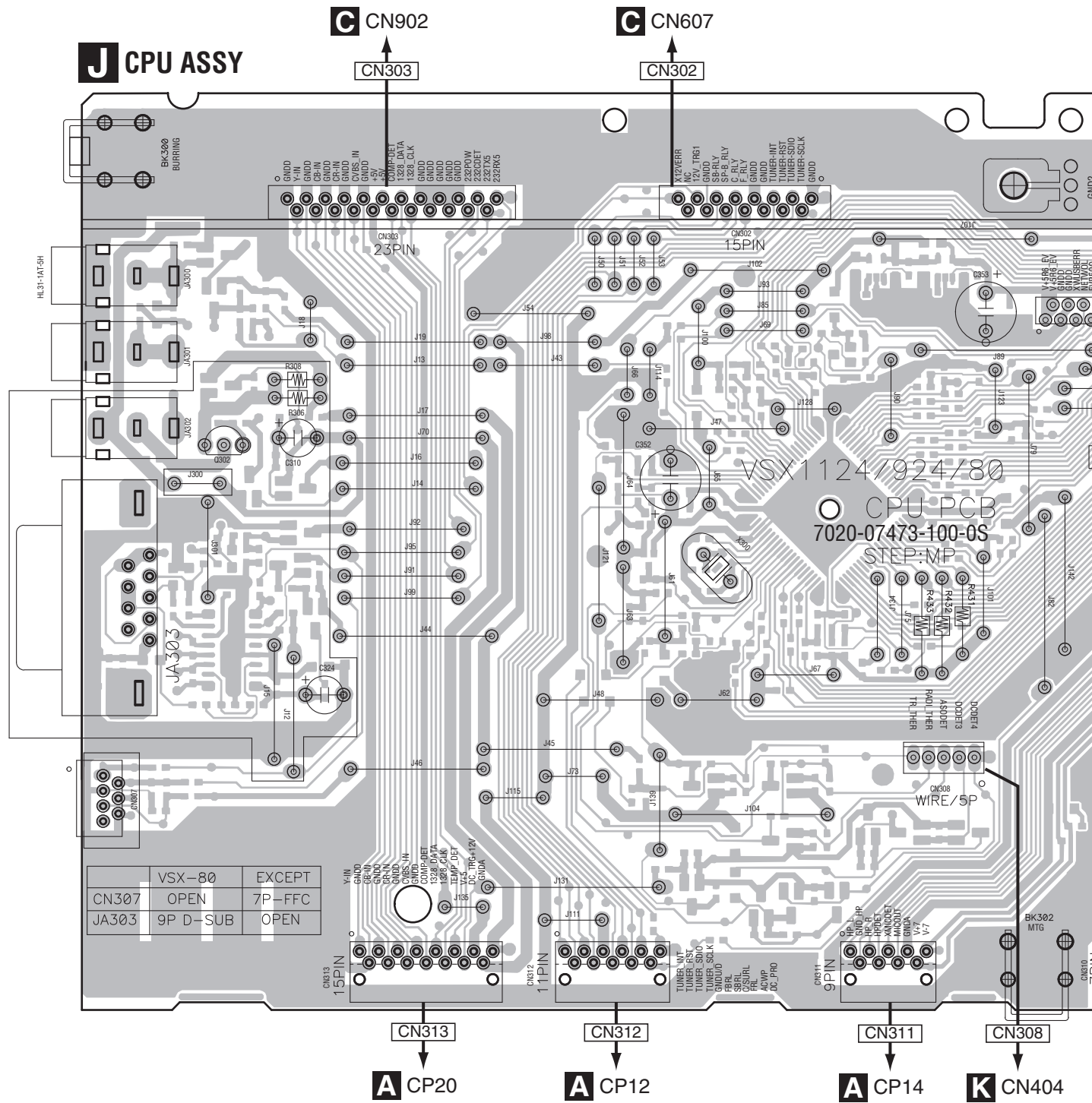
E CN2203

E CN2107

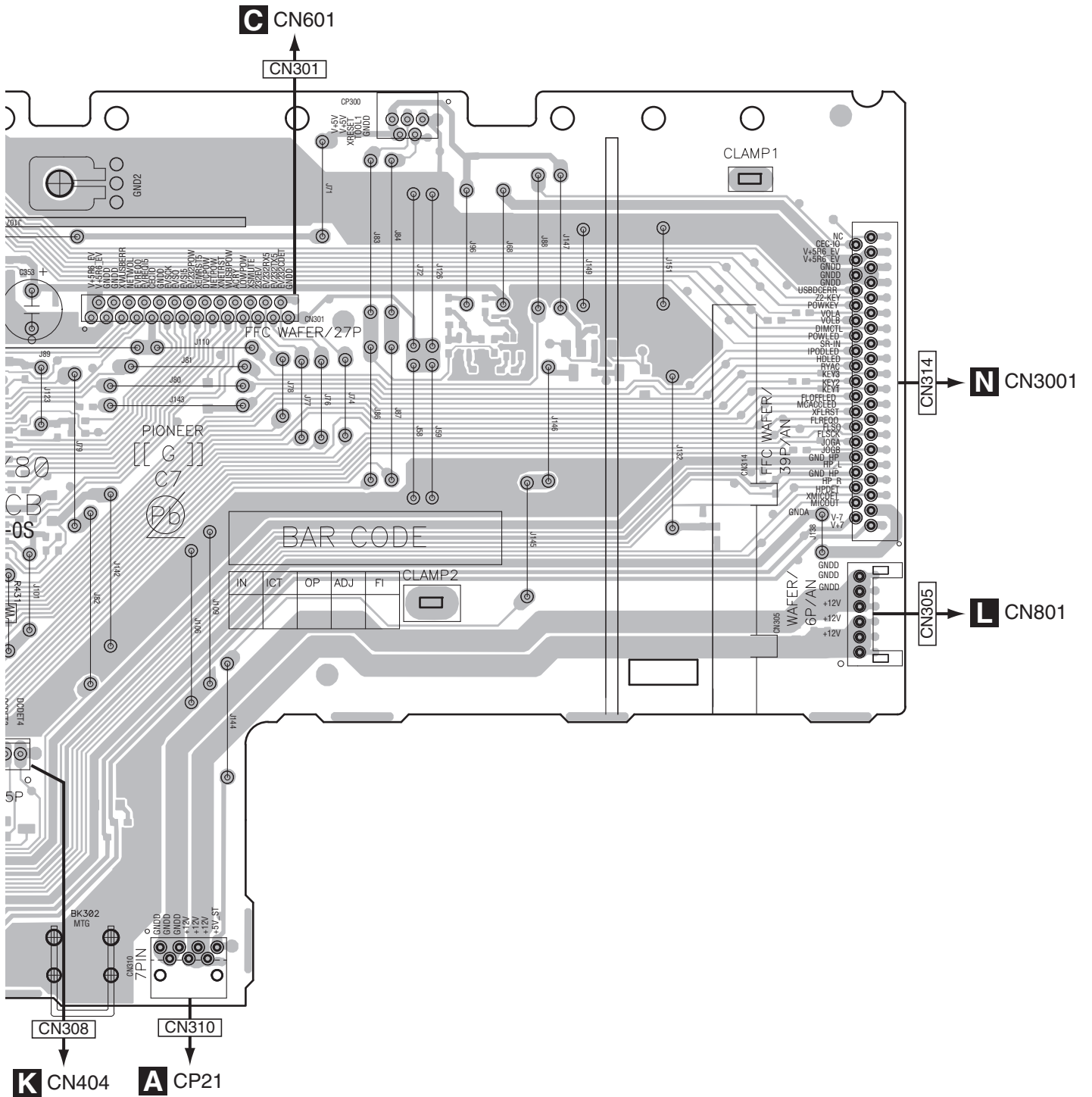
VSX-1124-K

11.8 CPU ASSY

SIDE A



J



SIDE B

A

B

C

D

E

F

J

70

1

2

3

4

J CPU ASSY

CN301

CN314

CN305

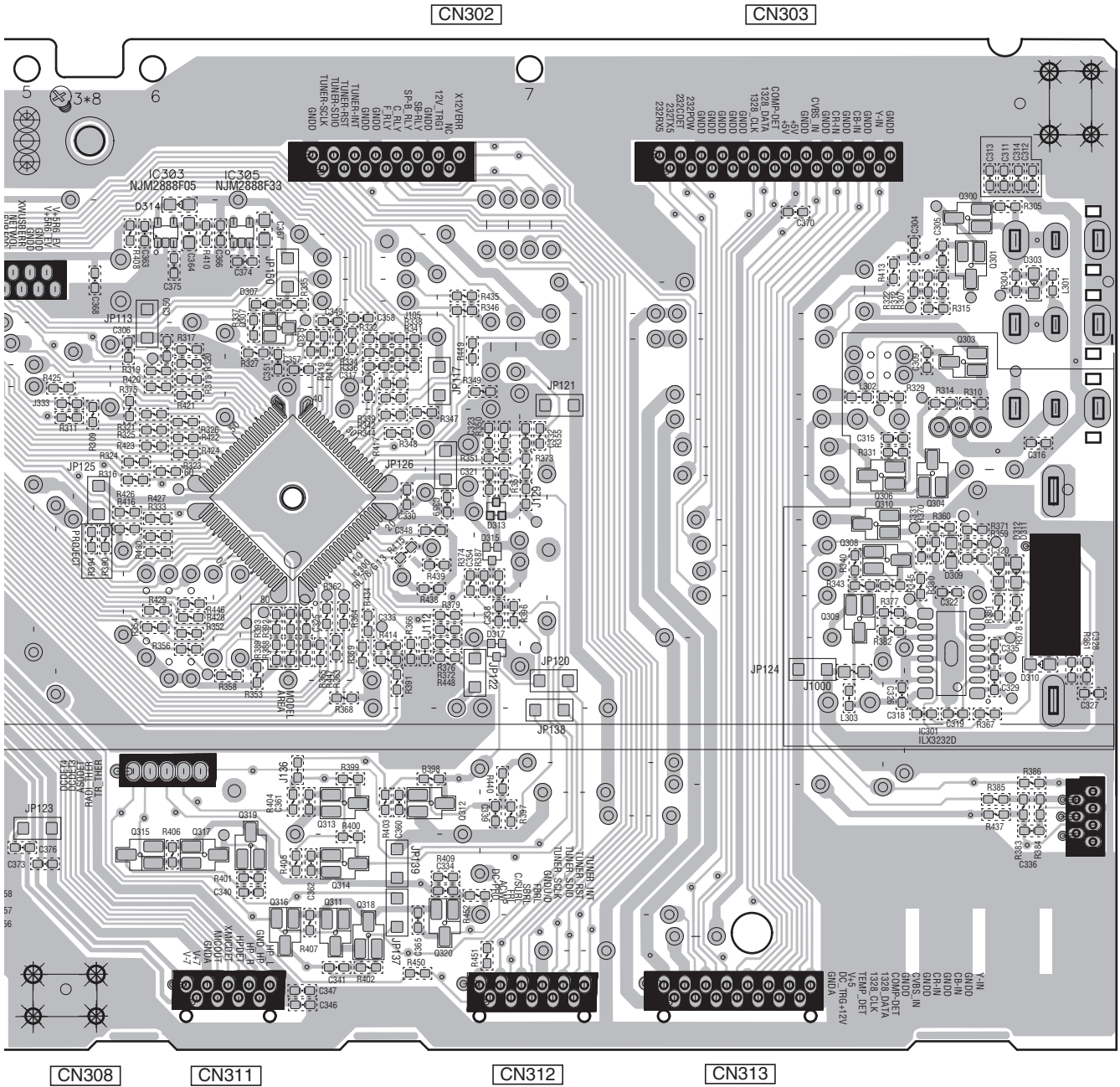
CN310

CN308

Q322	Q321	IC304	IC302
------	------	-------	-------

Q31

VSX-1124-K



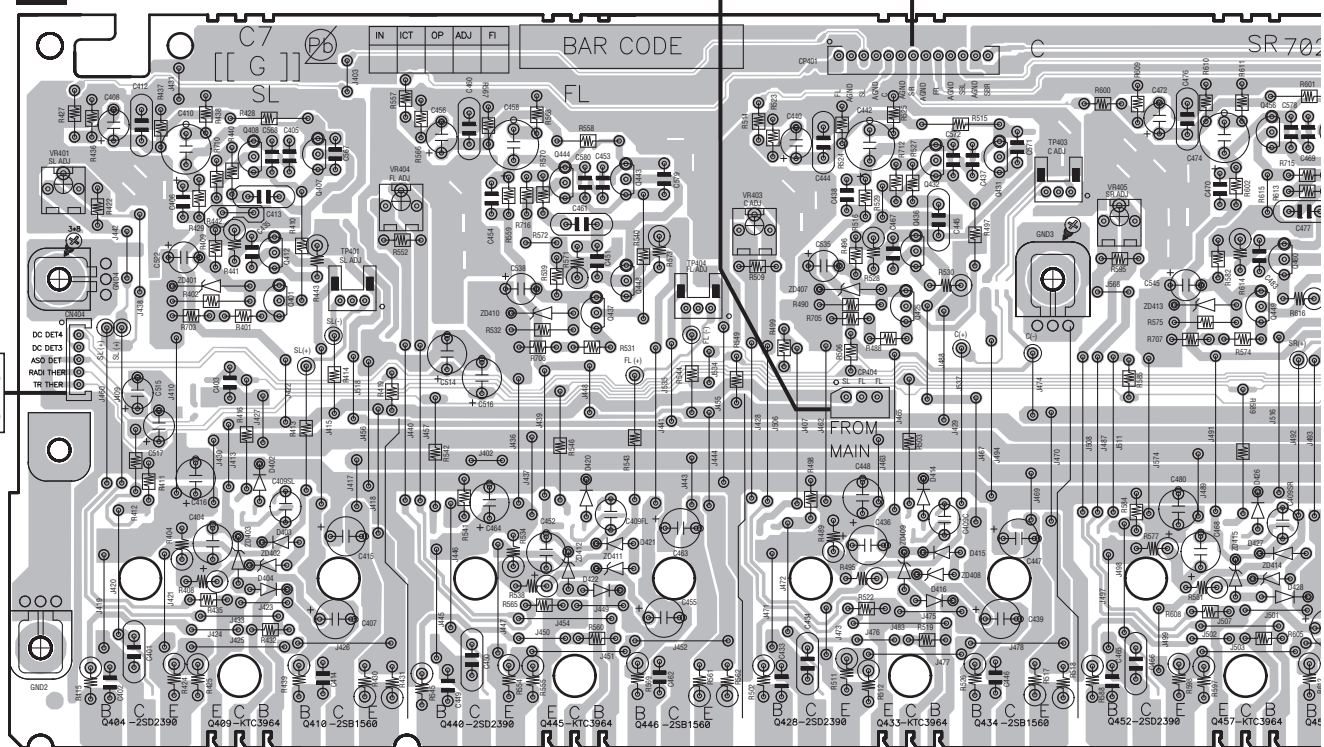
IC303 IC305 Q307
Q315 Q317 Q319 IC300 Q312
Q313
Q314
Q316 Q311 Q318 Q320

Q300
Q306 Q304 Q301
Q310 Q303
Q308
Q309 IC301

11.9 AMP7 ASSY

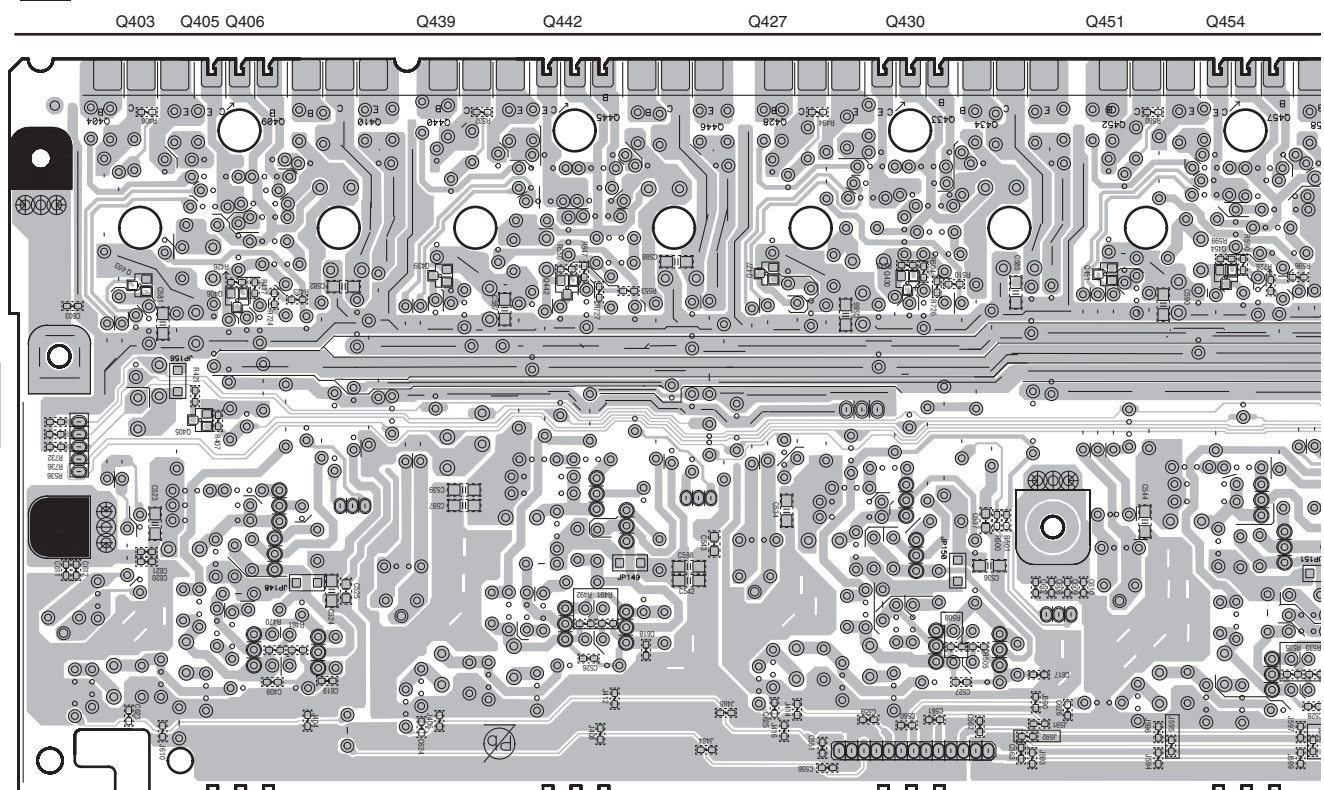
SIDE A

K AMP7 ASSY



SIDE B

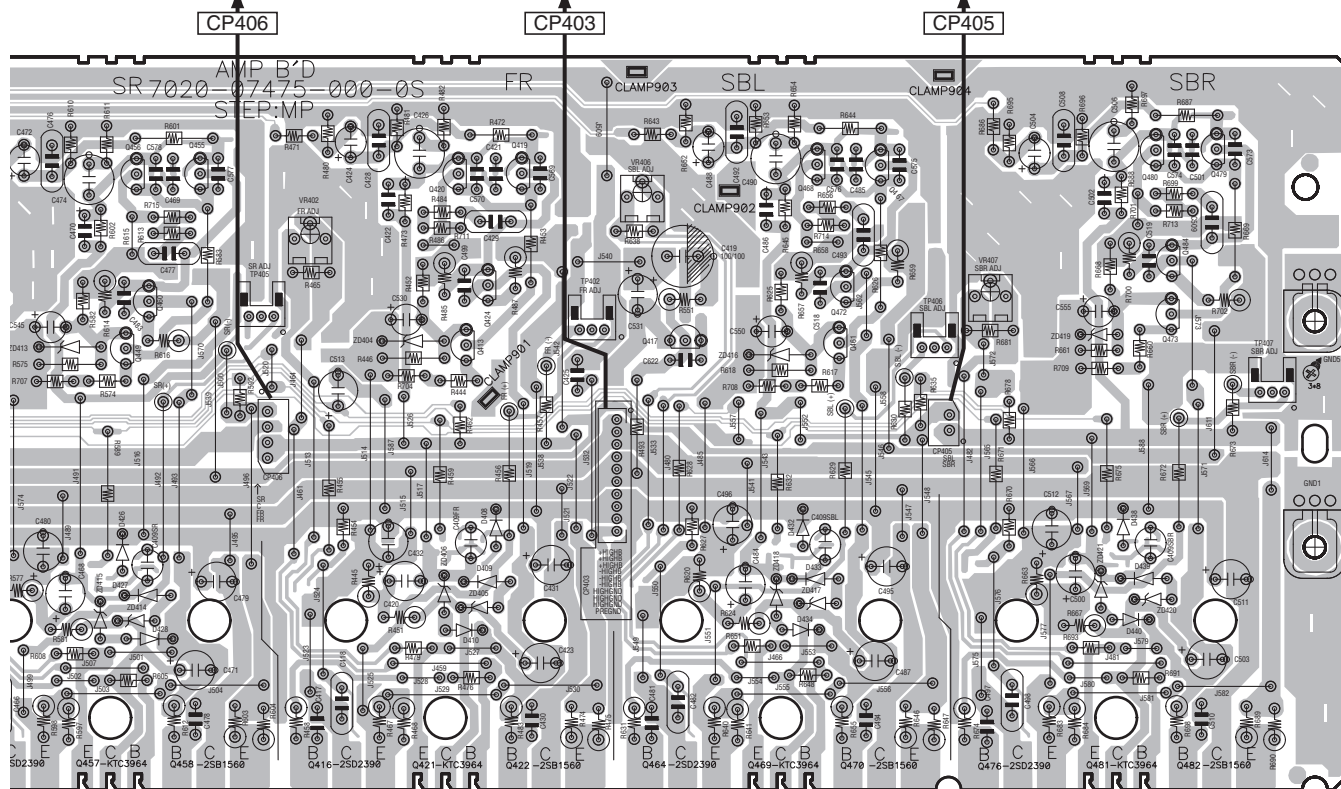
K AMP7 ASSY



K

A CN1**A** CN3**A** CN2**SIDE A**

A



VR402

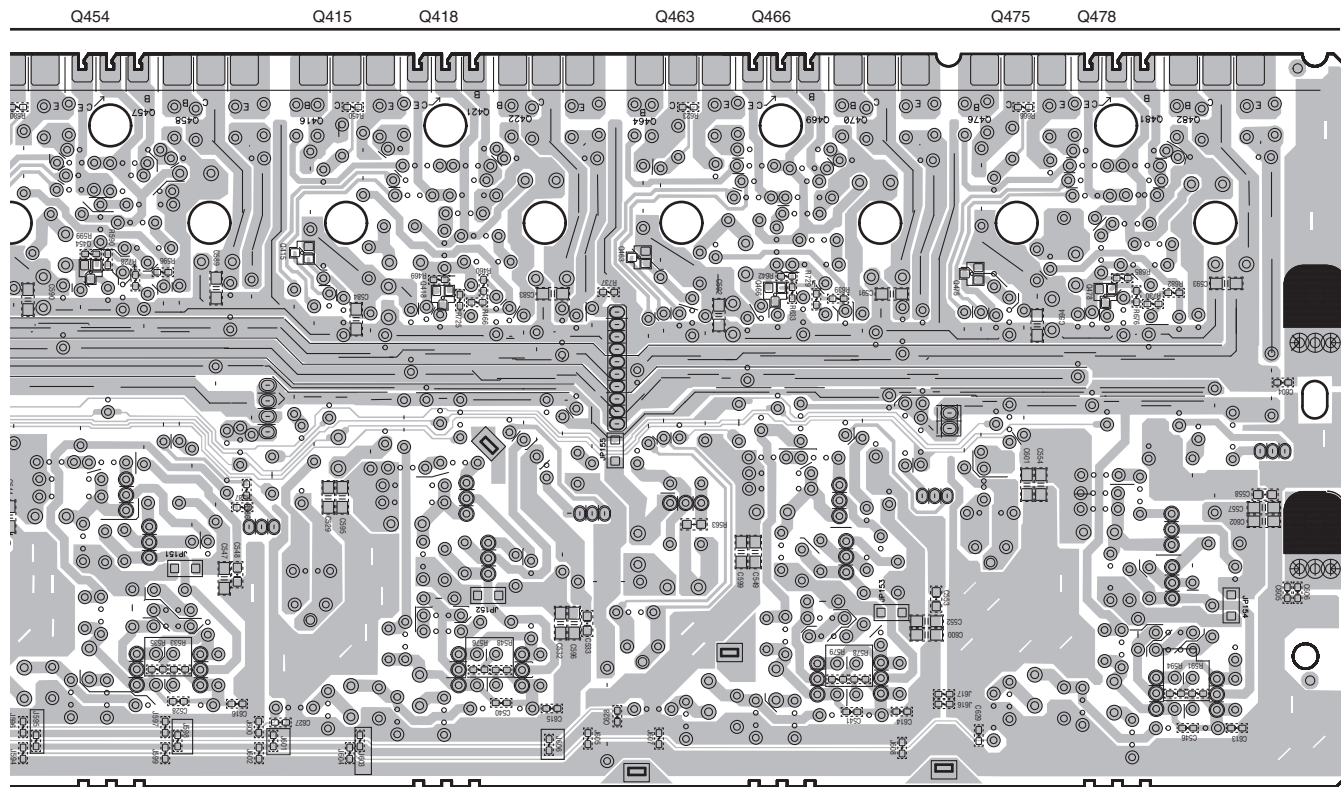
VR406

VR407

Q456 Q455
Q460 Q449
Q457 Q458
Q416
Q420 Q413 Q424
Q421 Q422
Q417 Q464
Q469
Q468 Q461 Q472
Q470
Q476
Q480 Q473 Q484
Q482

SIDE B

D



CP406

CP403

CP405

VSX-1124-K

K

SIDE A

CN3004

CP3501A

CN7202A

O HPMIC ASSY

CN7202B

M INSEL ASSY

VSX-1124-K

A

N FRONT ASSY

PIONEER
7020-07472-100-1S

D



F

L FHDMI ASSY

LN

SIDE B

A

Q501 Q3012
Q3005
IC3002
Q3009
Q3007
Q3014

FRONT ASSY

B

CN3001

C

Others	100-30	Q3005
NM	WRC1005	Q3012 Q3018 Q3014 Q3015
0 ohm	NM	R3362 R3368 R3369 R3369
REL# 845V5	SEK4318C41	D3007 D3009 D3013 D3013
418.000	200.000	R3100 R3111 R3112 R3113
NM	0 ohm	N3223

CP3002

D

E

Q7504

JACK8203 CN803 CN3603 CN801

CP3601

FHDMI ASSY

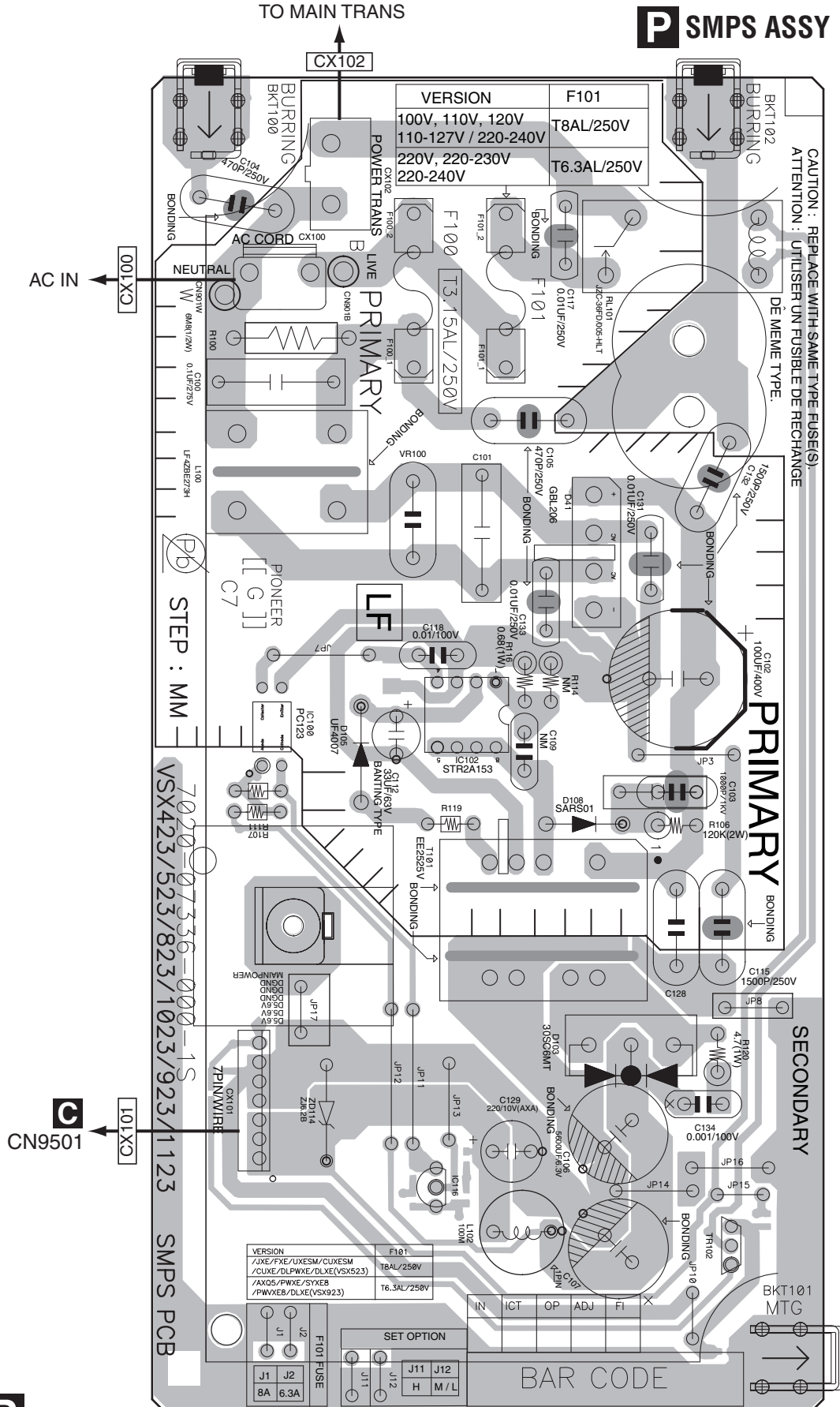
F

L N

11.11 SMPS ASSY

SIDE A

SIDE A



SIDE B**SIDE B**

A

E

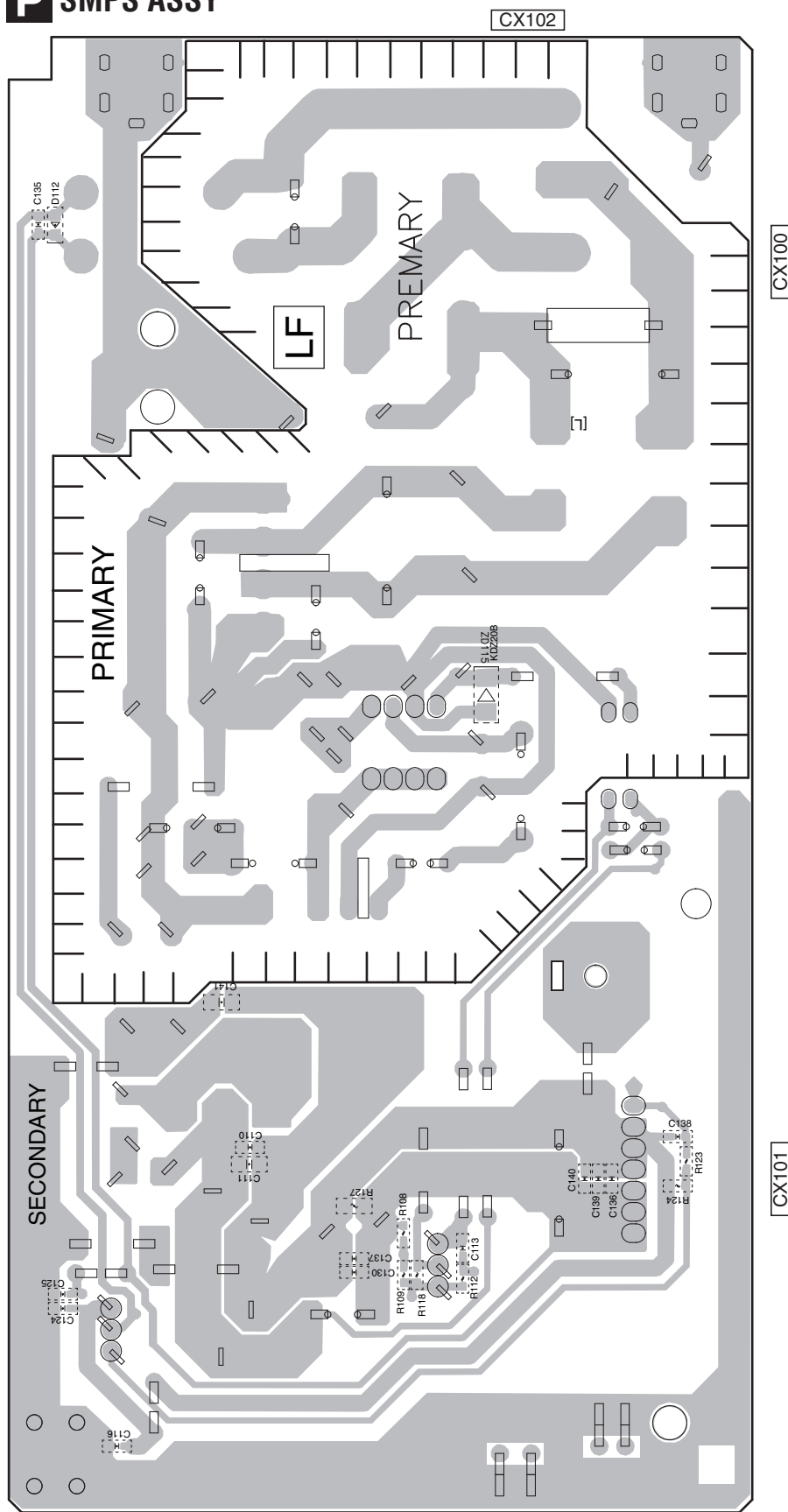
C

□

F

F

P SMPS ASSY



P

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 Ω $\rightarrow$ 56 $\times 10^1$ $\rightarrow$ 561 RD1/4PU $\begin{bmatrix} 5 \\ 6 \end{bmatrix} \begin{bmatrix} 1 \\ 0 \end{bmatrix} J$
 47 k Ω $\rightarrow$ 47 $\times 10^3$ $\rightarrow$ 473 RD1/4PU $\begin{bmatrix} 4 \\ 7 \end{bmatrix} \begin{bmatrix} 3 \\ 0 \end{bmatrix} J$
 0.5 Ω $\rightarrow$ R50 RN2H $\begin{bmatrix} R \\ 5 \end{bmatrix} \begin{bmatrix} 0 \\ 0 \end{bmatrix} K$
 1 Ω $\rightarrow$ 1R0 RSIP $\begin{bmatrix} 1 \\ 0 \end{bmatrix} \begin{bmatrix} 0 \\ 0 \end{bmatrix} K$

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

5.62 k Ω $\rightarrow$ 562 $\times 10^1$ $\rightarrow$ 5621 RN1/4PC $\begin{bmatrix} 5 \\ 6 \end{bmatrix} \begin{bmatrix} 2 \\ 1 \end{bmatrix} F$

- SCHEMATIC DIAGRAM and PCB CONNECTION DIAGRAM $\rightarrow$ ● PCB PARTS LIST

BKT $\rightarrow$ none	BEAD $\rightarrow$ L	RLY $\rightarrow$ RY	SW $\rightarrow$ S
CLAMP $\rightarrow$ none	F $\rightarrow$ FU	RMC $\rightarrow$ U	VEC $\rightarrow$ S9***
W $\rightarrow$ none	FLT $\rightarrow$ V	RES $\rightarrow$ X	GND $\rightarrow$ KN
LUG $\rightarrow$ none	JACK $\rightarrow$ JA	XTAL $\rightarrow$ X9***	
P $\rightarrow$ none	JACK $\rightarrow$ JA9***	BD $\rightarrow$ L7***	
PACK $\rightarrow$ 9***	JK $\rightarrow$ JA	LED $\rightarrow$ D8***	
CP $\rightarrow$ CN	PT $\rightarrow$ T	Z $\rightarrow$ D9***	
CP $\rightarrow$ CN9***	REG $\rightarrow$ IC	ZD $\rightarrow$ D9***	
CX $\rightarrow$ CN9***	REG $\rightarrow$ IC9***	DZ $\rightarrow$ D9***	
FPC $\rightarrow$ 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.
A MAIN ASSY							
SEMICONDUCTORS							
⚠	IC 1	J126781200040-IL			CN 9007,9010 CN,WAFER	L109012511340S	
⚠	IC 2	J126791200060-IL			CN 9012 CN,WAFER	L109012511140S	
⚠	IC 3	J126780500110-IL			CN 9014 CN,WAFER	L109012510940S	
	Q 14,15,20,21	J522305200050-IL			CN 9019 CN.WAFER 2.0MM	L101911501310S	
	Q 16	J520015301210-IL			CN 9020 CN,WAFER	L109012511540S	
⚠	D 7	K047100600220-IL			CN 9021 CN.WAFER	L109012510740S	
	D 8,17,19	K005041480230-IL			CN 9024 CN.WAFER 2.0MM	L101911501510S	
⚠	D 10-13	K000400700220-IL		⚠	FU 33,34 FUSE,MICRO (T4A 250 V)	G658402250050-IL	
⚠	D 4912	K047604000020-IL		RESISTORS			
⚠	D 9002	K06004R744522-IL			R 5,7,9,11	C060010065050-IL	
MISCELLANEOUS					R 6,8,10,12	C060010066050-IL	
	50 TUNER,FM/AM	E903004100781S			R 13,15,17	C060010065050-IL	
	JA 1,2 TER,BOARD SCREW 8P	G614108V1010M-IL			R 14,16,18	C060010066050-IL	
	JA 3 TER,BOARD SCREW 2P	G611201A0200Y-IL			R 41,42	C060R22065050-IL	
	RY 2-6 RELAY	G680060103010-IL			R 81,82	C060033166050-IL	
	RY 10 RELAY	G680240202030-IL		CAPACITORS			
					C 55,58	D040103089230-IL	

Mark No. Description**Part No.****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

IC 8202

PCA9517D GK

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

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