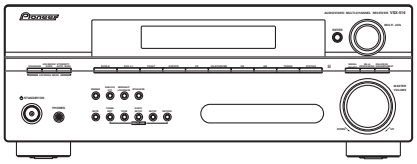
Pioneer sound.vision.soul

Service Manual



VSX-516-K

PROVISIONAL

AUDIO/VIDEO MULTI-CHANNEL RECEIVER

VSX-516-K
VSX-516-S

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

Model	Type	Power Requirement	Remarks
VSX-516-K	KUCXJ	AC120V	
VSX-516-S	KUCXJ	AC120V	
VSX-516-K	MYXJ5	AC220-230V	
VSX-516-S	MYXJ5	AC220-230V	
VSX-516-S	MVXJ5	AC230V	

For details, refer to "Important Check Points for Good Servicing".

PIONEER CORPORATION 4-1, Meguro 1-chome, Meguro-ku, Tokyo 153-8654, 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

T-ZZK APR. 2006 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 contains lead in solder and certain electrical parts contain chemicals which are known to the state of California to cause cancer, birth defects or other reproductive harm.

Health & Safety Code Section 25249.6 – Proposition 65

NOTICE

(FOR CANADIAN MODEL ONLY)

Fuse symbols (fast operating fuse) and/or (slow operating fuse) on PCB indicate that replacement parts must be of identical designation.

REMARQUE

(POUR MODÈLE CANADIEN SEULEMENT)

Les symboles de fusible (fusible de type rapide) et/ou (fusible de type lent) sur CCI indiquent que les pièces de remplacement doivent avoir la même désignation.

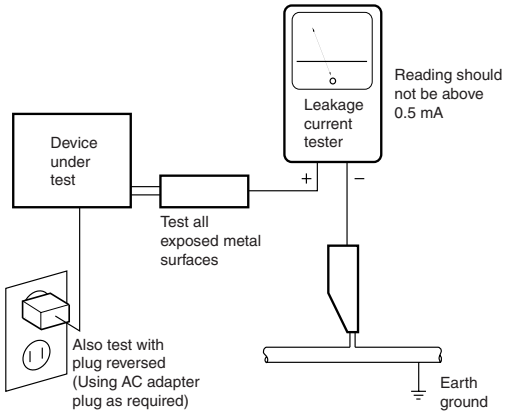
(FOR USA MODEL ONLY)

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 120V 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.

[Important Check Points for Good Servicing]

In this manual, procedures that must be performed during repairs are marked with the below symbol.
Please be sure to confirm and follow these procedures.

1. Product safety

Please conform to product regulations (such as safety and radiation regulations), and maintain a safe servicing environment by following the safety instructions described in this manual.

① Use specified parts for repair.

Use genuine parts. Be sure to use important parts for safety.

② Do not perform modifications without proper instructions.

Please follow the specified safety methods when modification(addition/change of parts) is required due to interferences such as radio/TV interference and foreign noise.

③ Make sure the soldering of repaired locations is properly performed.

When you solder while repairing, please be sure that there are no cold solder and other debris.
Soldering should be finished with the proper quantity. (Refer to the example)

④ Make sure the screws are tightly fastened.

Please be sure that all screws are fastened, and that there are no loose screws.

⑤ Make sure each connectors are correctly inserted.

Please be sure that all connectors are inserted, and that there are no imperfect insertion.

⑥ Make sure the wiring cables are set to their original state.

Please replace the wiring and cables to the original state after repairs.
In addition, be sure that there are no pinched wires, etc.

⑦ Make sure screws and soldering scraps do not remain inside the product.

Please check that neither solder debris nor screws remain inside the product.

⑧ There should be no semi-broken wires, scratches, melting, etc. on the coating of the power cord.

Damaged power cords may lead to fire accidents, so please be sure that there are no damages.
If you find a damaged power cord, please exchange it with a suitable one.

⑨ There should be no spark traces or similar marks on the power plug.

When spark traces or similar marks are found on the power supply plug, please check the connection and advise on secure connections and suitable usage. Please exchange the power cord if necessary.

⑩ Safe environment should be secured during servicing.

When you perform repairs, please pay attention to static electricity, furniture, household articles, etc. in order to prevent injuries.
Please pay attention to your surroundings and repair safely.

2. Adjustments

To keep the original performance of the products, optimum adjustments and confirmation of characteristics within specification.
Adjustments should be performed in accordance with the procedures/instructions described in this manual.

3. Lubricants, Glues, and Replacement parts

Use grease and adhesives that are equal to the specified substance.
Make sure the proper amount is applied.

4. Cleaning

For parts that require cleaning, such as optical pickups, tape deck heads, lenses and mirrors used in projection monitors, proper cleaning should be performed to restore their performances.

5. Shipping mode and Shipping screws

To protect products from damages or failures during transit, the shipping mode should be set or the shipping screws should be installed before shipment. Please be sure to follow this method especially if it is specified in this manual.

CONTENTS

1. SPECIFICATIONS

VSX-516/KUCXJ

Amplifier section

- **Continuous power output (stereo)**

Front . . . . 110 W (20-20,000 Hz, THD 0.7%, 8 Ω)[1]

- **Continuous power output (surround)**

Front. . . . . 110 W per channel (1kHz, 1.0%, 8 Ω)
Center . . . . . 110 W (1kHz, 1.0%, 8 Ω)
Surround. . . . . .110 W per channel (1kHz, 1.0%, 8 Ω)
Surround Back . . . . . .110 W per channel (1kHz, 1.0%, 8 Ω)

Audio section

- **Input (Sensitivity/Impedance)**

CD, DVR/VCR, CD-R/TAPE/MD,
DVD/LD, TV/SAT . . . . . 200 mV/47 kΩ

- **Frequency response**

CD, DVR/VCR, CD-R/TAPE/MD, DVD/LD,
TV/SAT. . . . . 5 Hz to 100,000 Hz $^{+0}_{-3}$ dB

- **Output (Level/Impedance)**

DVR/VCR REC, CD-R/TAPE/
MD REC. . . . . 200 mV/2.2 kΩ

- **Tone control**

Bass . . . . . ± 6 dB (100 Hz)
Treble . . . . . ± 6 dB (10 kHz)
Loudness. . . . . +10 dB/+5 dB (100 Hz/10 kHz) (at volume level -50 dB)

- **Signal-to-Noise Ratio (IHF, short circuited, A network)**

CD, DVR/VCR, CD-R/TAPE/MD,
DVD/LD, TV/SAT . . . . . 96 dB

- **Signal-to Noise Ratio [EIA, at 1 W (1 kHz)]**

CD, DVR/VCR, CD-R/TAPE/MD,
DVD/LD, TV/SAT . . . . . 79 dB

Video Section

- **Input (Sensitivity/Impedance)**

DVR/VCR, DVD/LD, TV/SAT . . . . . 1 Vp-p/75 Ω

- **Output (Level/Impedance)**

DVR/VCR, MONITOR OUT . . . . . 1 Vp-p/75 Ω

- **Frequency response**

DVR/VCR, DVD/LD,
TV/SAT ⇨ MONITOR . . . . . 5 Hz to 7 MHz $^{+0}_{-3}$ dB
Signal-to-Noise Ratio . . . . . 55 dB
Crosstalk . . . . . 50 dB

Component video section

- **Input (Sensitivity)**

DVD/LD, TV/SAT . . . . . 1 Vp-p/75 Ω

- **Output (Level/Impedance)**

MONITOR OUT . . . . . 1 Vp-p/75 Ω

- **Frequency response**

DVD/LD,
TV/SAT ⇨ MONITOR . . . . . 5 Hz to 40 MHz $^{+0}_{-3}$ dB
Signal-to-Noise Ratio . . . . . 60 dB

- **FM Tuner Section**

Frequency Range . . . . . .87.5 MHz to 108 MHz
Usable Sensitivity . . . . . .Mono:13.2 dBf, IHF (1.3 μV/ 75 Ω)
50 dB Quieting Sensitivity . . . . . .Mono: 20.2 dB
Stereo: 38.6 dBf
Signal-to-Noise Ratio . . .Mono: 73 dB (at 85 dBf)
Stereo: 70 dB (at 85 dBf)
Distortion. . . . . Stereo: 0.5 % (1 kHz)
Alternate Channel Selectivity. . . .60 dB (400 kHz)
Stereo Separation. . . . . .40 dB (1 kHz)
Frequency Response . . . . . .30 Hz to 15 kHz (±1 dB)
Antenna Input (DIN). . . . . 75 Ω unbalanced

AM Tuner Section

Frequency Range . . . . . .530 kHz to 1700 kHz
Sensitivity (IHF, Loop antenna) . . . . . 350 μV/m
Signal-to-Noise Ratio . . . . . 50 dB
Antenna. . . . . Loop antenna

Miscellaneous

Power requirements . . . . . AC 120V / 60 Hz
Power consumption . . . . . .360 W / 470 VA
In standby. . . . . .0.5 W
Dimensions
. . . . . .16 9/16 (W) in. x 6 1/4 (H) in. x 13 7/8 (D) in.
420 (W) mm x 158 (H) mm x 352.5 (D) mm
Weight (without package). . . . . 19.8 lb (9.0 kg)

Furnished Parts

AM loop antenna. 1
FM wire antenna 1
Dry cell batteries (AA size IEC R6) 2
Remote control 1
Operating instructions

Note

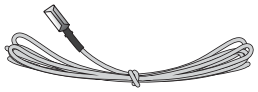
- Specifications and the design are subject to possible modifications without notice, due to improvements.

Note

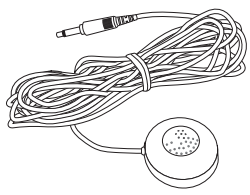
1 Continuous average power output of 110 watts* per channel, min., at 8ohms, from 20 Hz to 20,000 Hz with no more than 0.2%** total harmonic distortion (front).
* Measured pursuant to the Federal Trade Commissionís Trade Regulation rule on Power Output Claims for Amplifiers.
** Measured by Audio Spectrum Analyzer.

Accessories

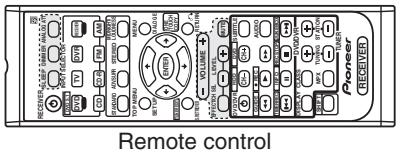
AM loop antenna
(ATB7013)



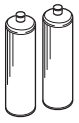
FM wire antenna
(ADH7030)



Microphone
(for Auto MCACC setup)
(MYXJ5, MVXJ5 : APM7006)



Remote control
(KUCXJ : XXD3101)
(MYXJ5, MVXJ5 : XXD3102)

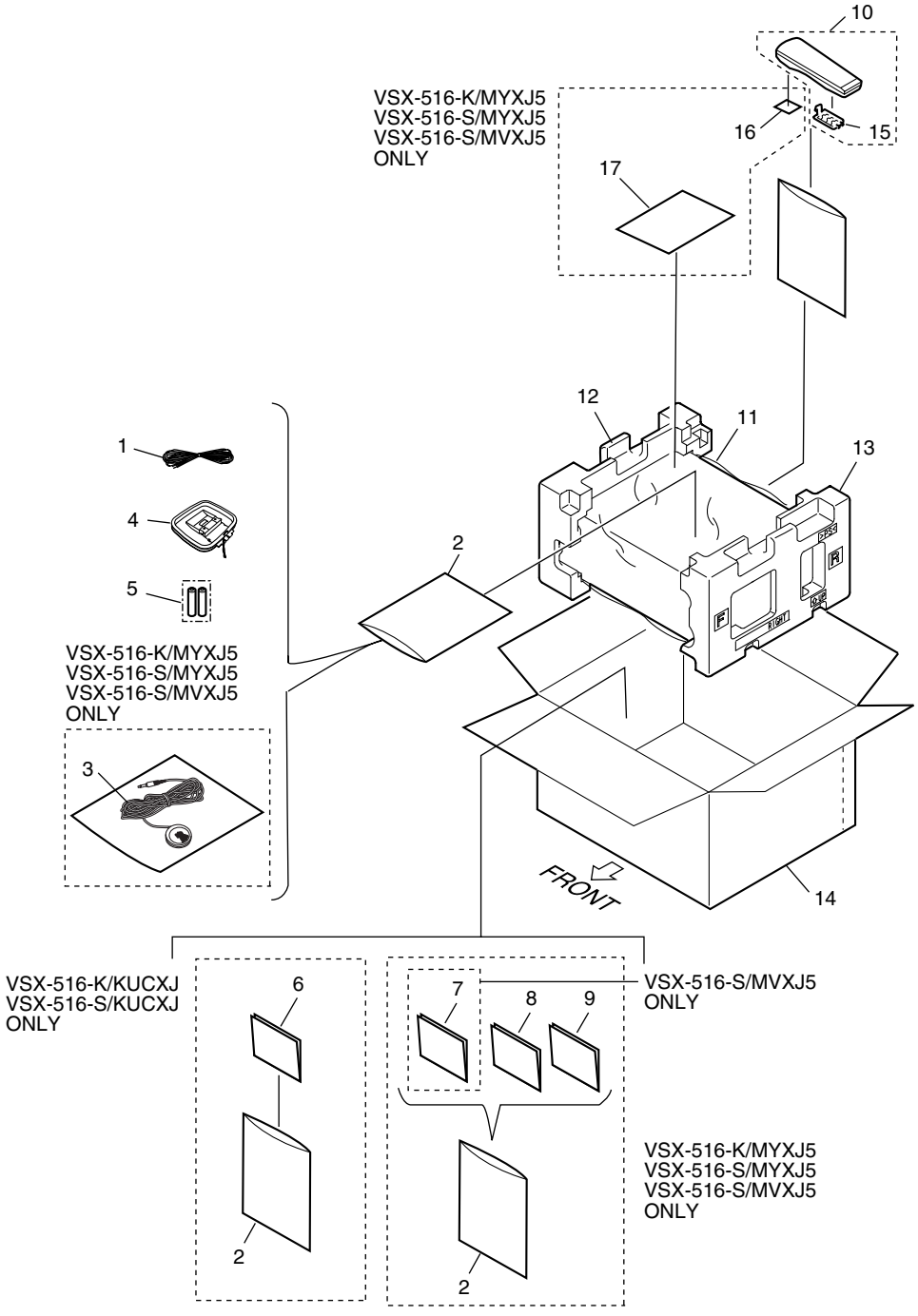


AA size IEC R6
Dry cell batteries (x2)

2. EXPLODED VIEWS AND PARTS LIST

NOTES:
- *Parts marked by "NSP" are generally unavailable because they are not in our Master Spare 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.*
- *Screws adjacent to ▼ mark on product are used for disassembly.*
- *For the applying amount of lubricants or glue, follow the instructions in this manual. (In the case of no amount instructions, apply as you think it appropriate.)*

2.1 PACKING



(1) PACKING SECTION PARTS LIST

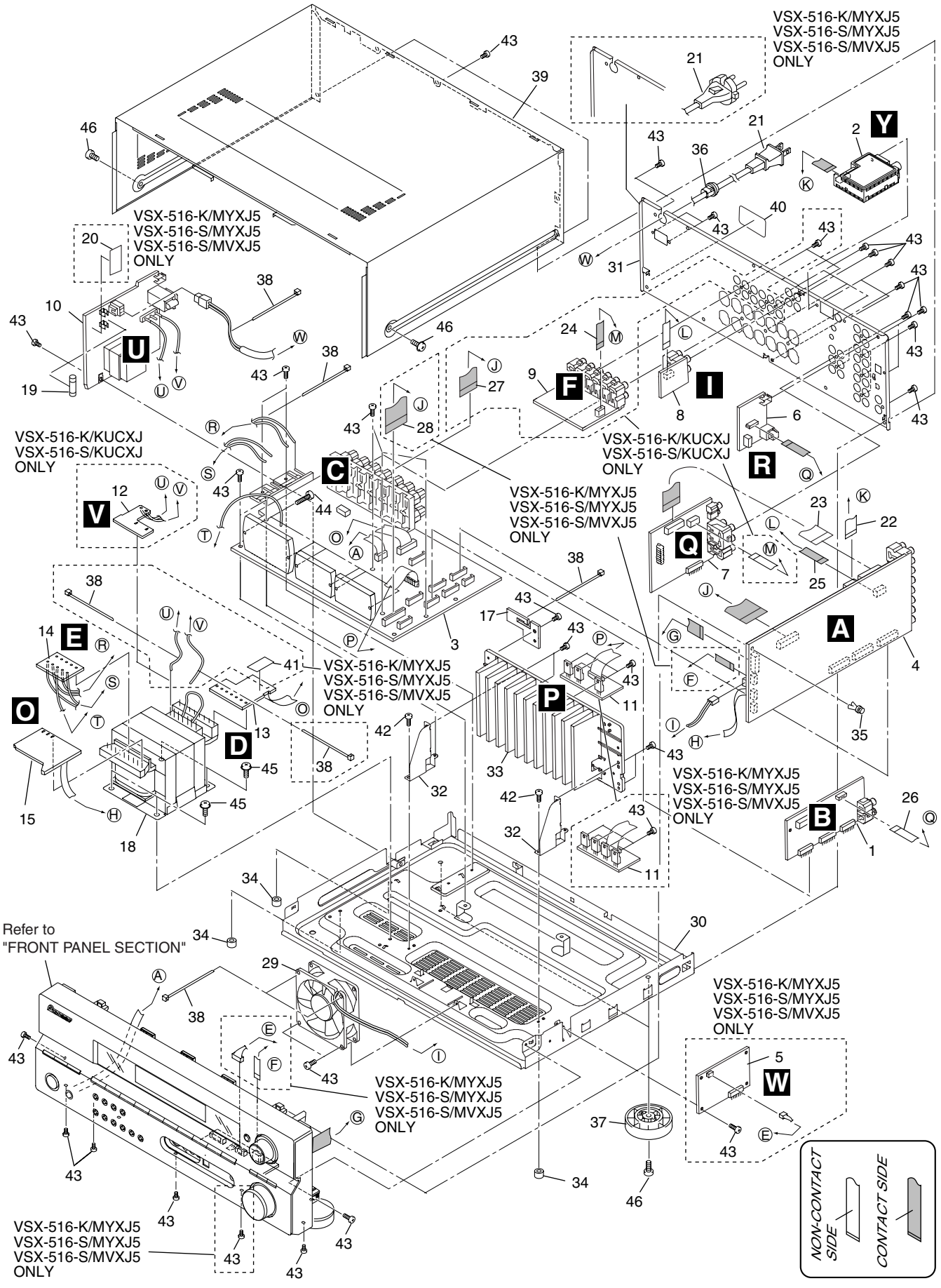
Mark	No.	Description	Part No.
	1	FM Wire Antenna	ADH7030
NSP	2	Polyethylene Bag	See Contrast table(2)
	3	Microphone	See Contrast table(2)
	4	Loop Antenna	ATB7013
NSP	5	Dry cell batteries (AA/R6) 2P	XEX3002
	6	Operating Instructions (English/French)	See Contrast table(2)
	7	Operating Instructions (English/Italian)	See Contrast table(2)
	8	Operating Instructions (Dutch/Spanish)	See Contrast table(2)
	9	Operating Instructions (French/German)	See Contrast table(2)
	10	Remote control	See Contrast table(2)
	11	Packing Sheet	AHG7069
	12	Left Pad V3	XHA3158
	13	Right Pad V3	XHA3159
	14	Packing Case	See Contrast table(2)
	15	Battery Cover	XZN3139
	16	Label (WEEE)	See Contrast table(2)
	17	Warranty Card	See Contrast table(2)

(2) CONTRAST TABLE

VSX-516-K/KUCXJ, VSX-516-S/KUCXJ, VSX-516-K/MYXJ5, VSX-516-S/MYXJ5 and VSX-516-S/MVXJ5 are constructed the same except for the following:

Mark	No.	Symbol and Description	VSX-516-K /KUCXJ	VSX-516-S /KUCXJ	VSX-516-K /MYXJ5	VSX-516-S /MYXJ5	VSX-516-S /MVXJ5
NSP	2	Polyethylene Bag	AHG7117	AHG7117	Z21-038	Z21-038	Z21-038
	3	Microphone	Not Used	Not Used	APM7006	APM7006	APM7006
	6	Operating Instructions (English/French)	XRE3114	XRE3114	Not Used	Not Used	Not Used
	7	Operating Instructions (English/Italian)	Not Used	Not Used	XRE3121	XRE3121	XRE3121
	8	Operating Instructions (Dutch/Spanish)	Not Used	Not Used	XRC3223	XRC3223	Not Used
	9	Operating Instructions (French/German)	Not Used	Not Used	XRC3224	XRC3224	Not Used
	10	Remote control	XXD3101	XXD3101	XXD3102	XXD3102	XXD3102
	14	Packing Case	XHD3584	XHD3585	XHD3589	XHD3590	XHD3590
	16	Label (WEEE)	Not Used	Not Used	ARW7322	ARW7322	ARW7322
	17	Warranty Card	Not Used	Not Used	ARY7065	ARY7065	ARY7065

2.2 EXTERIOR SECTION



(1) EXTERIOR SECTION PARTS LIST

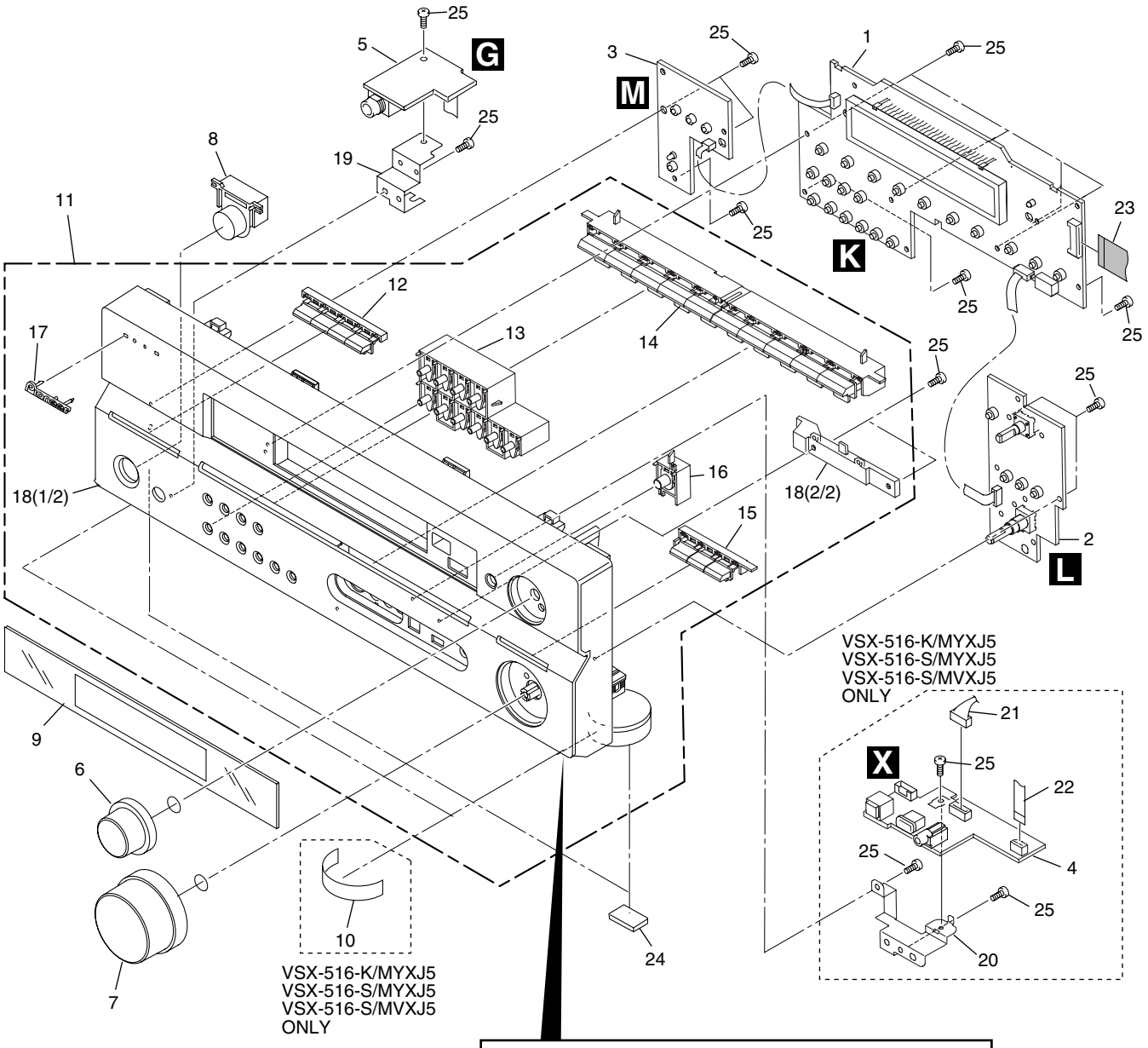
Mark	No.	Description	Part No.
	1	DSP ASSY	See Contrast table(2)
	2	FM/AM TUNER UNIT	See Contrast table(2)
	3	POWER PACK ASSY	See Contrast table(2)
	4	MAIN ASSY	See Contrast table(2)
	5	USB ASSY	See Contrast table(2)
	6	DIGITAL IN ASSY	XWZ4066
	7	VIDEO ASSY	See Contrast table(2)
	8	5.1 CH IN ASSY	XWZ4069
	9	COMPONENT VIDEO ASSY	See Contrast table(2)
	10	PRIMARY ASSY	See Contrast table(2)
	11	REGULATOR ASSY	See Contrast table(2)
	12	TRANS 1 ASSY	See Contrast table(2)
	13	TRANS 2 ASSY	See Contrast table(2)
	14	TRANS 3 ASSY	XWZ4079
	15	TRANS 4 ASSY	XWZ4093
	16	••••••	
	17	BINDER ASSY	XWZ4199
⚠	18	Transformer	See Contrast table(2)
⚠	19	Fuse	See Contrast table(2)
	20	Fuse Card	See Contrast table(2)
⚠	21	AC Power Cord	See Contrast table(2)
	22	11P F. F. C/30V	XDD3189
	23	19P F. F. C/30V	XDD3190
	24	7P F. F. C/30V	See Contrast table(2)
	25	7P F. F. C/30V	XDD3191
	26	10P F. F. C/30V	XDD3196
	27	17P F. F. C/30V	See Contrast table(2)
	28	25P F. F. C/30V	See Contrast table(2)
	29	DC Fan Motor	XXM3012
NSP	30	Chassis	XNA3026
	31	R Panel	See Contrast table(2)
	32	H/S AngleV3	XNG3145
NSP	33	H/Sink	See Contrast table(2)
NSP	34	Spacer	AEB7092
	35	Push Rivet	AEC7205
	36	Cord Stopper	See Contrast table(2)
	37	Insulator	AMR7198
NSP	38	Binder (BK-1)	ZCA-BK1
	39	Bonnet	See Contrast table(2)
NSP	40	Label	VRM1629
	41	ICP Label	See Contrast table(2)
	42	Screw	BBZ30P060FCC
	43	Screw	BBZ30P080FNI
	44	Screw	BBZ30P140FTC
	45	Screw	FBT40P080FNI
	46	Screw	See Contrast table(2)

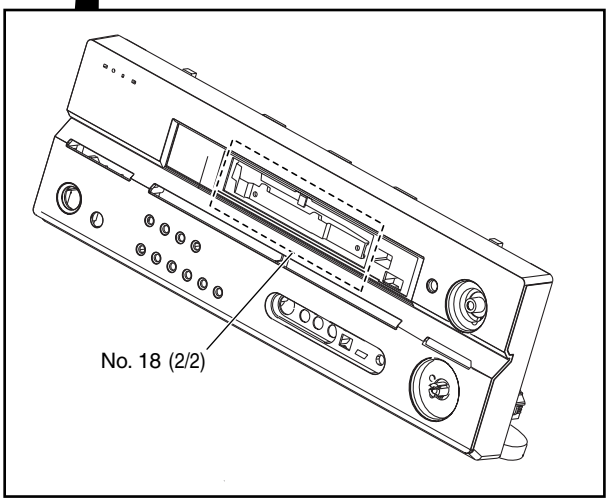
(2) CONTRAST TABLE

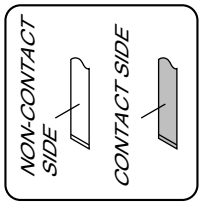
VSX-516-K/KUCXJ, VSX-516-S/KUCXJ, VSX-516-K/MYXJ5, VSX-516-S/MYXJ5 and VSX-516-S/MVXJ5 are constracted the same except for the following:

Mark	No.	Symbol and Description	VSX-516-K /KUCXJ	VSX-516-S /KUCXJ	VSX-516-K /MYXJ5	VSX-516-S /MYXJ5	VSX-516-S /MVXJ5
	1	DSP ASSY	AWX8573	AWX8573	AWX8572	AWX8572	AWX8572
	2	FM/AM TUNER UNIT	AXX7210	AXX7210	AXX7170	AXX7170	AXX7170
	3	POWER PACK ASSY	XWZ4082	XWZ4082	XWZ4083	XWZ4083	XWZ4083
	4	MAIN ASSY	XWK3229	XWK3229	XWK3230	XWK3230	XWK3230
	5	USB ASSY	Not used	Not used	AWX8704	AWX8704	AWX8704
	7	VIDEO ASSY	XWZ4059	XWZ4059	XWZ4060	XWZ4060	XWZ4060
	9	COMPONENT VIDEO ASSY	XWZ4096	XWZ4096	Not used	Not used	Not used
	10	PRIMARY ASSY	XWZ4072	XWZ4072	XWZ4073	XWZ4073	XWZ4073
	11	REGULATOR ASSY	XWZ4077	XWZ4077	XWZ4116	XWZ4116	XWZ4116
	12	TRANS 1 ASSY	XWZ4078	XWZ4078	Not used	Not used	Not used
	13	TRANS 2 ASSY	XWZ4090	XWZ4090	XWZ4092	XWZ4092	XWZ4092
⚠	18	Transformer	XTS3089	XTS3089	XTS3102	XTS3102	XTS3102
⚠	19	Fuse	REK1154	REK1154	REK1027	REK1027	REK1027
	20	Fuse Card	Not used	Not used	AAX7493	AAX7493	AAX7493
⚠	21	AC Power Cord	ADG7024	ADG7024	VDG1080	VDG1080	VDG1080
	24	7P F. F. C/30V	XDD3192	XDD3192	Not used	Not used	Not used
	27	17P F. F. C/30V	XDD3203	XDD3203	Not used	Not used	Not used
	28	25P F. F. C/30V	Not used	Not used	XDD3201	XDD3201	XDD3201
	31	R Panel	XNC3413	XNC3427	XNC3414	XNC3430	XNC3230
	33	H/Sink	XNH3043	XNH3043	XNH3044	XNH3044	XNH3044
	36	Cord Stopper	CM-22-C	CM-22-C	CM-22-B	CM-22-B	CM-22-B
	37	Insulator	AMR7198	AMR7198	PNW2766	PNW2766	PNW2766
	39	Bonnet	XZN3183	XZN3184	XZN3183	XZN3184	XZN3184
	41	ICP Label	Not used	Not used	XAX3121	XAX3121	XAX3121
	46	Screw	BBZ30P080FTB	BBZ30P080FNI	BBZ30P080FTB	BBZ30P080FNI	BBZ30P080FNI

2.3 FRONT PANEL SECTION







(1) FRONT PANEL SECTION PARTS LIST

Mark	No.	Description	Part No.
	1	FRONT DISPLAY ASSY	See Contrast table(2)
	2	R. ENCODER ASSY	XWZ4055
	3	POWER KEY ASSY	XWZ4056
	4	USB IN ASSY	See Contrast table(2)
	5	HP ASSY	XWZ4095
	6	JOG Knob	See Contrast table(2)
	7	VOL Knob	See Contrast table(2)
	8	STDBY BTN	See Contrast table(2)
	9	D Panel	See Contrast table(2)
	10	Gold Foil Lavel	See Contrast table(2)
NSP	11	F PANEL Assy	See Contrast table(2)
	12	Tuner BTN	See Contrast table(2)
	13	SUB BTN	See Contrast table(2)
	14	FUNC BTN	See Contrast table(2)
	15	LISTEN BTN	See Contrast table(2)
	16	JOG Button	See Contrast table(2)
	17	PIONEER Badge	See Contrast table(2)
	18	FRT Panel	See Contrast table(2)
	19	Earth Plate HP V2	XNG3131
	20	Earth Plate FR V3	See Contrast table(2)
	21	4P Shield Cable	See Contrast table(2)
	22	5P F.F.C/30Çu	See Contrast table(2)
	23	17P F.F.C/30Çu	XDD3200
	24	Rubber Sheet	AEB1111
	25	Screw	BBZ30P080FTC

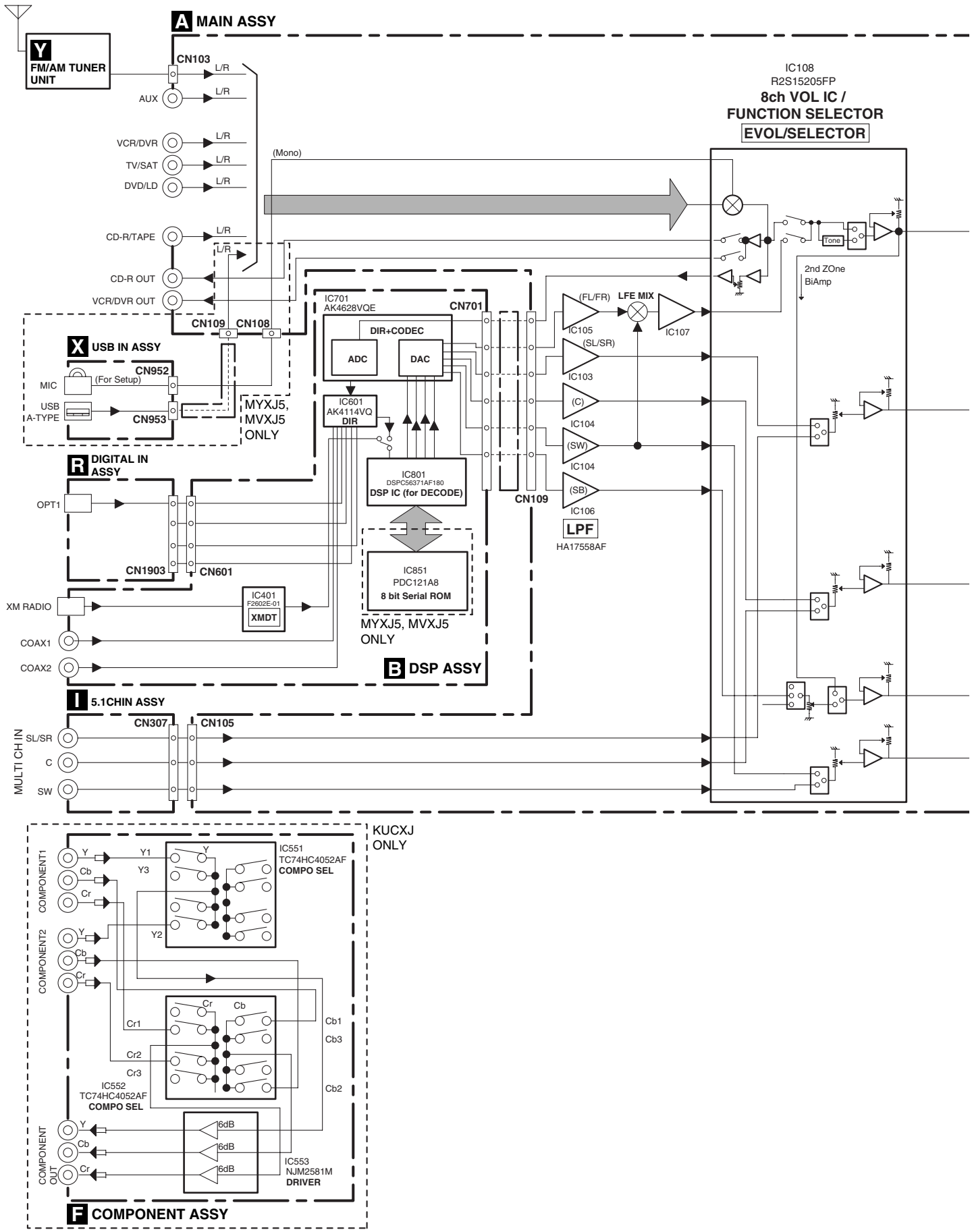
(2) CONTRAST TABLE

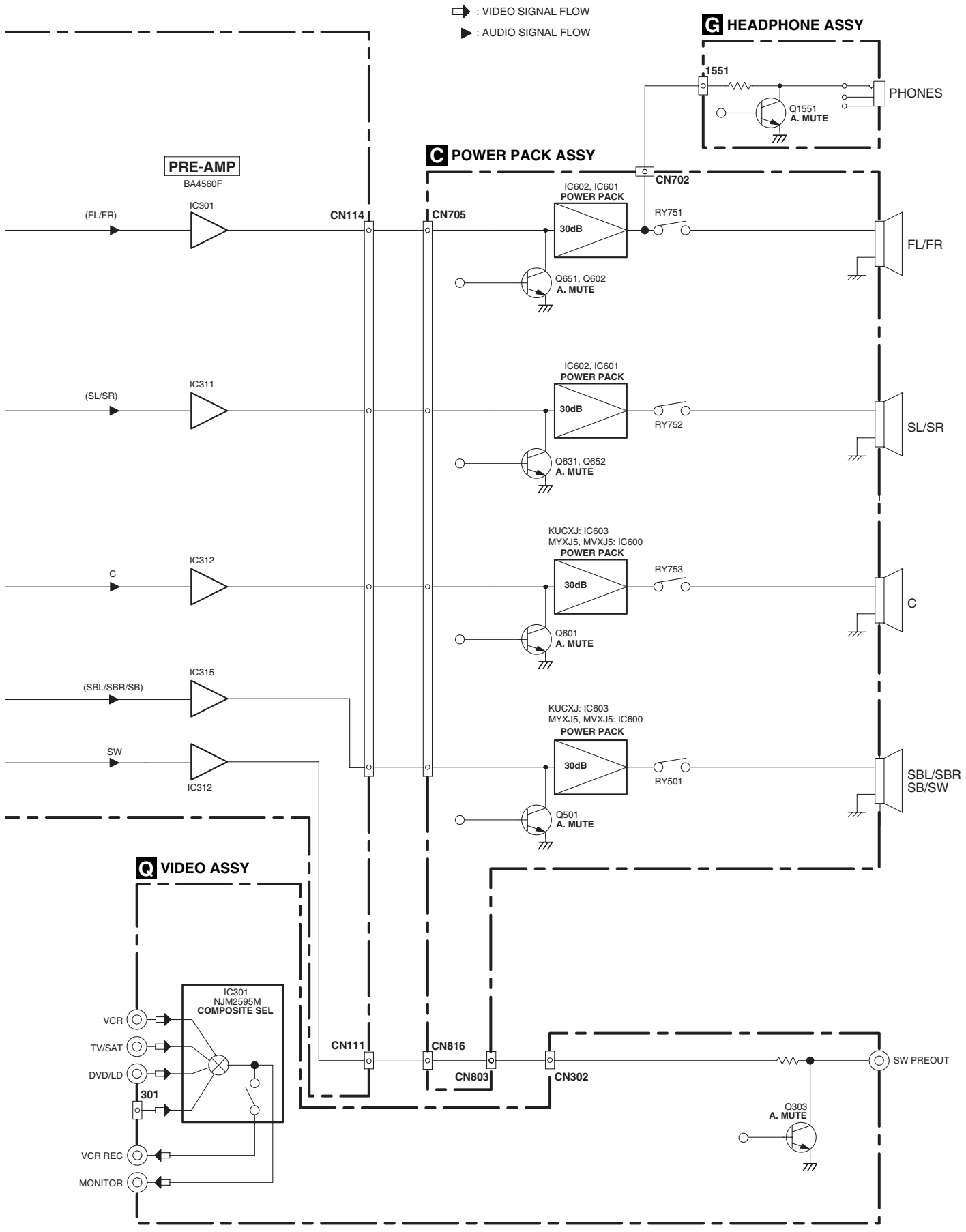
VSX-516-K/KUCXJ, VSX-516-S/KUCXJ, VSX-516-K/MYXJ5, VSX-516-S/MYXJ5 and VSX-516-S/MVXJ5 are constracted the same except for the following:

Mark	No.	Symbol and Description	VSX-516-K /KUCXJ	VSX-516-S /KUCXJ	VSX-516-K /MYXJ5	VSX-516-S /MYXJ5	VSX-516-S /MVXJ5
	1	FRONT DISPLAY ASSY	XWZ4051	XWZ4051	XWZ4052	XWZ4052	XWZ4052
	4	USB IN ASSY	Not used	Not used	XWK3247	XWK3247	XWK3247
	6	JOG Knob	XAB3046	XAB3048	XAB3046	XAB3048	XAB3048
	7	VOL Knob	XAB3049	XAB3051	XAB3049	XAB3051	XAB3051
	8	STDBY BTN	XAD3202	XAD3203	XAD3202	XAD3203	XAD3203
	9	D Panel	XAK3529	XAK3529	XAK3535	XAK3535	XAK3535
	10	Gold Foil Lavel	Not used	Not used	XAX3487	XAX3487	XAX3487
NSP	11	F Panel Assy	XXG3247	XXG3248	XXG3249	XXG3250	XXG3250
	12	Tuner BTN	XAD3230	XAD3248	XAD3230	XAD3248	XAD3248
	13	SUB BTN	XAD3231	XAD3249	XAD3231	XAD3249	XAD3249
	14	FUNC BTN	XAD3232	XAD3250	XAD3232	XAD3250	XAD3250
	15	LISTEN BTN	XAD3233	XAD3251	XAD3233	XAD3251	XAD3251
	16	JOG Button	XAD3240	XAD3252	XAD3240	XAD3252	XAD3252
	17	PIONEER Badge	XAM3006	VAM1129	XAM3006	VAM1129	VAM1129
	18	FRT Panel	XMB3225	XMB3226	XMB3227	XMB3228	XMB3228
	20	Earth Plate FR V3	Not used	Not used	XNG3144	XNG3144	XNG3144
	21	4P Shield Cable	Not used	Not used	XDX3028	XDX3028	XDX3028
	22	5P F.F.C/30Çu	Not used	Not used	XDD3199	XDD3199	XDD3199

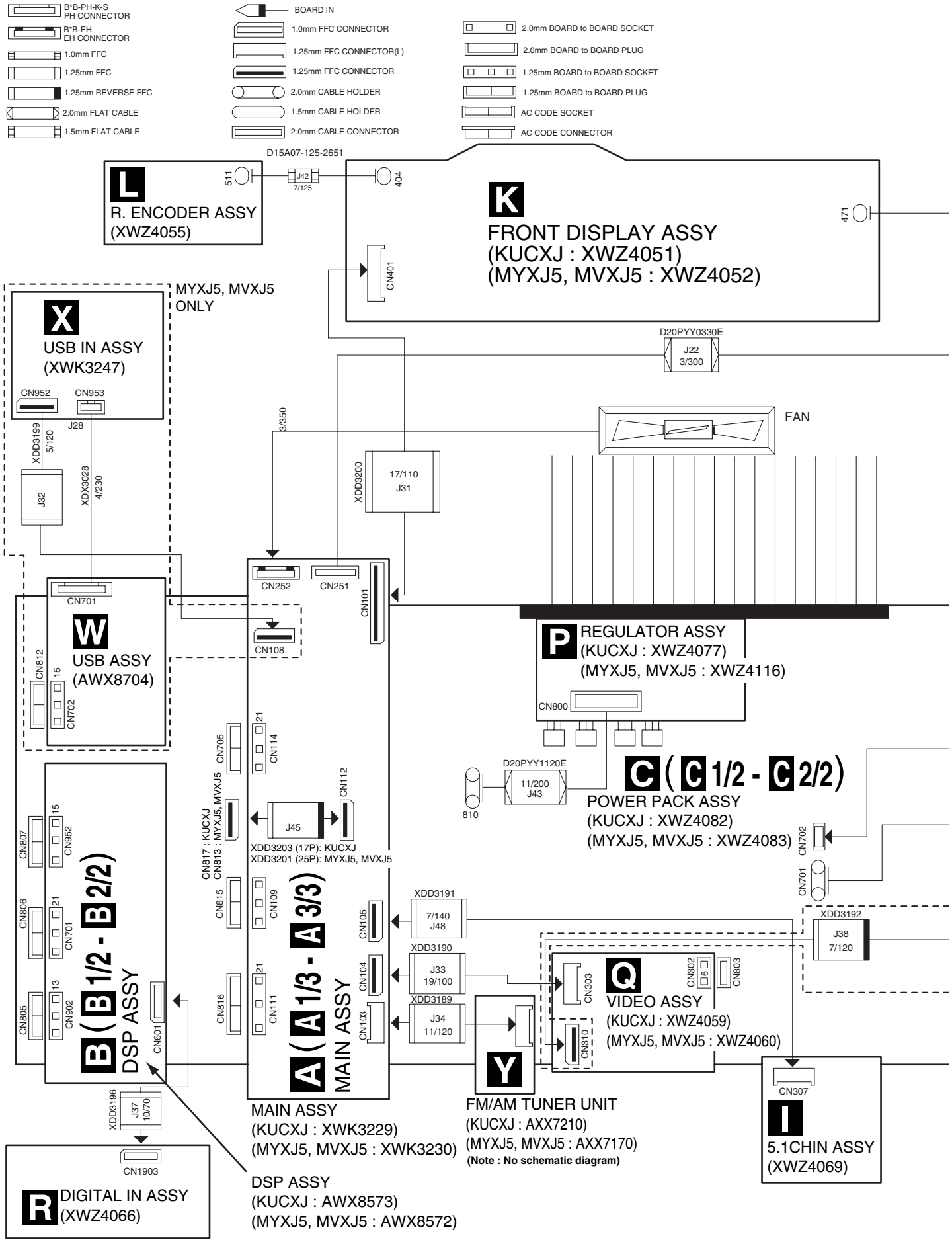
3. BLOCK DIAGRAM AND SCHEMATIC DIAGRAM

3.1 BLOCK DIAGRAM

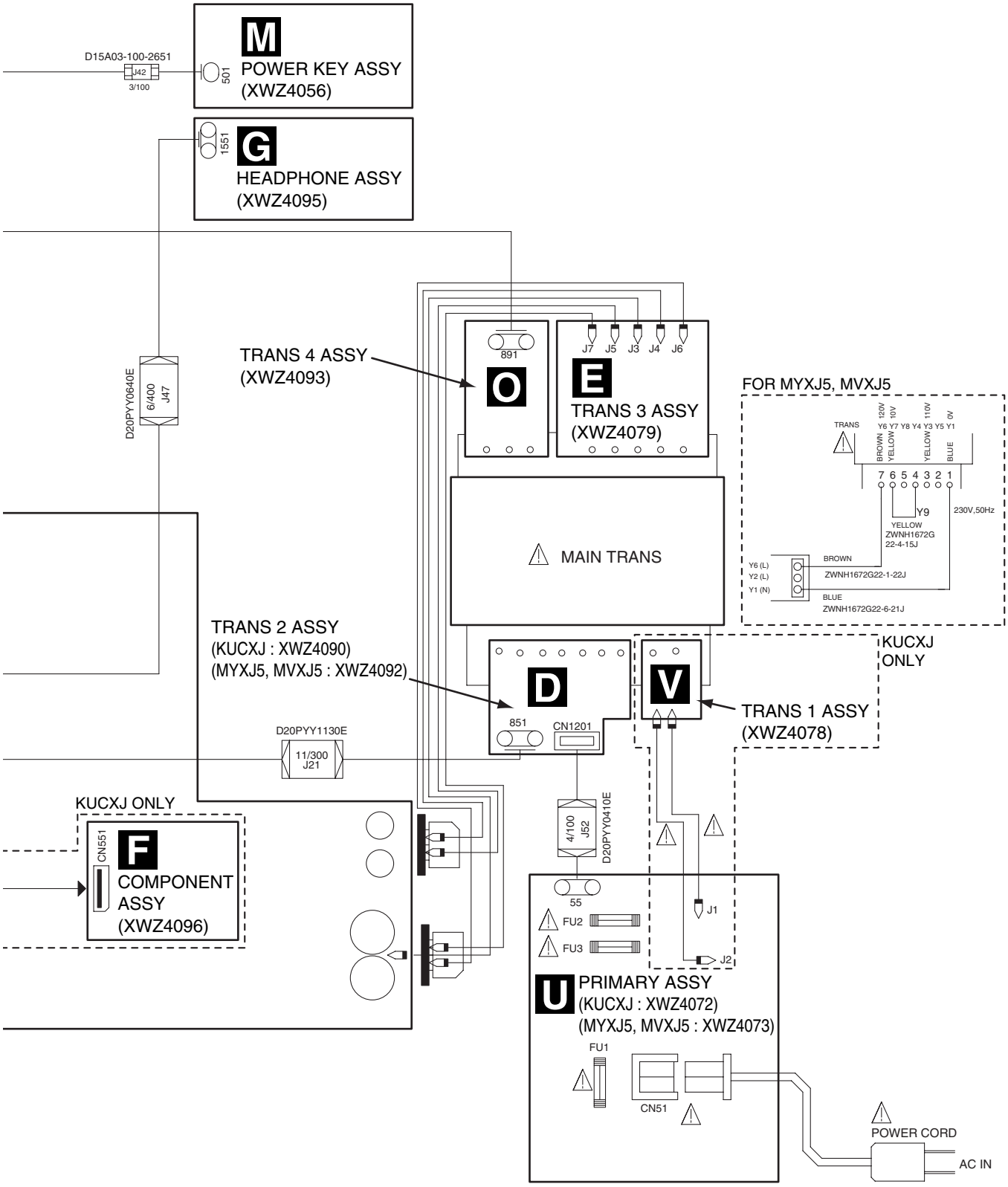



: VIDEO SIGNAL FLOW
: AUDIO SIGNAL FLOW
G HEADPHONE ASSY
1551
PHONES
Q1551
A. MUTE
C POWER PACK ASSY
CN702
PRE-AMP
BA4560F
(FL/FR)
IC301
CN114
CN705
IC602, IC601
POWER PACK
30dB
RY751
FL/FR
Q651, Q602
A. MUTE
(SL/SR)
IC311
RY752
SL/SR
Q631, Q652
A. MUTE
C
IC312
KUCXJ: IC603
MYXJ5, MVXJ5: IC600
RY753
Q601
A. MUTE
(SBL/SBR/SB)
IC315
SW
IC312
RY501
SBL/SBR
SB/SW
Q501
A. MUTE
Q VIDEO ASSY
IC301
NJM2595M
COMPOSITE SEL
VCR
TV/SAT
DVD/LD
301
VCR REC
MONITOR
CN111
CN816
CN803
CN302
SW PREOUT
Q303
A. MUTE

3.2 OVERALL WIRING CONNECTION DIAGRAM

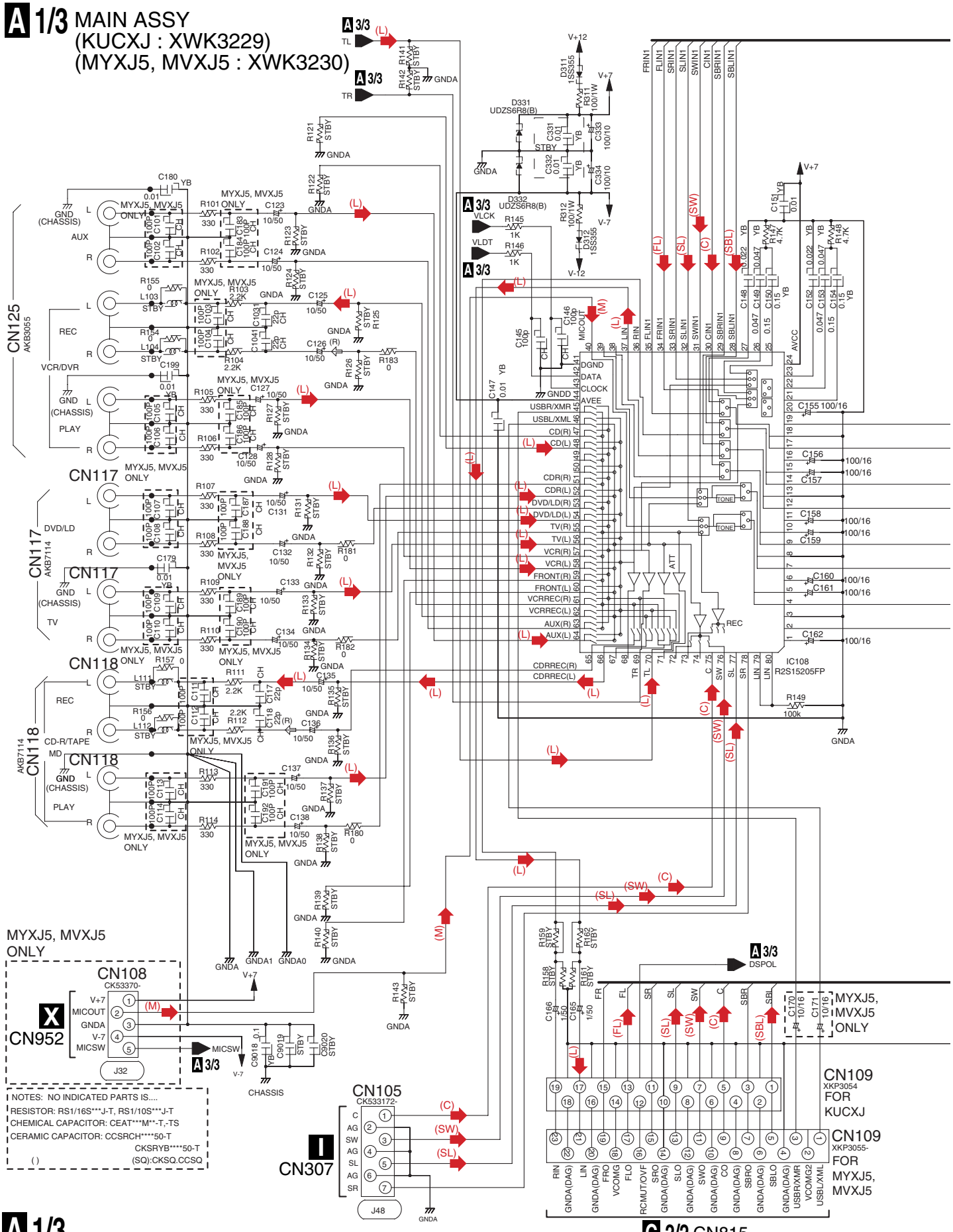


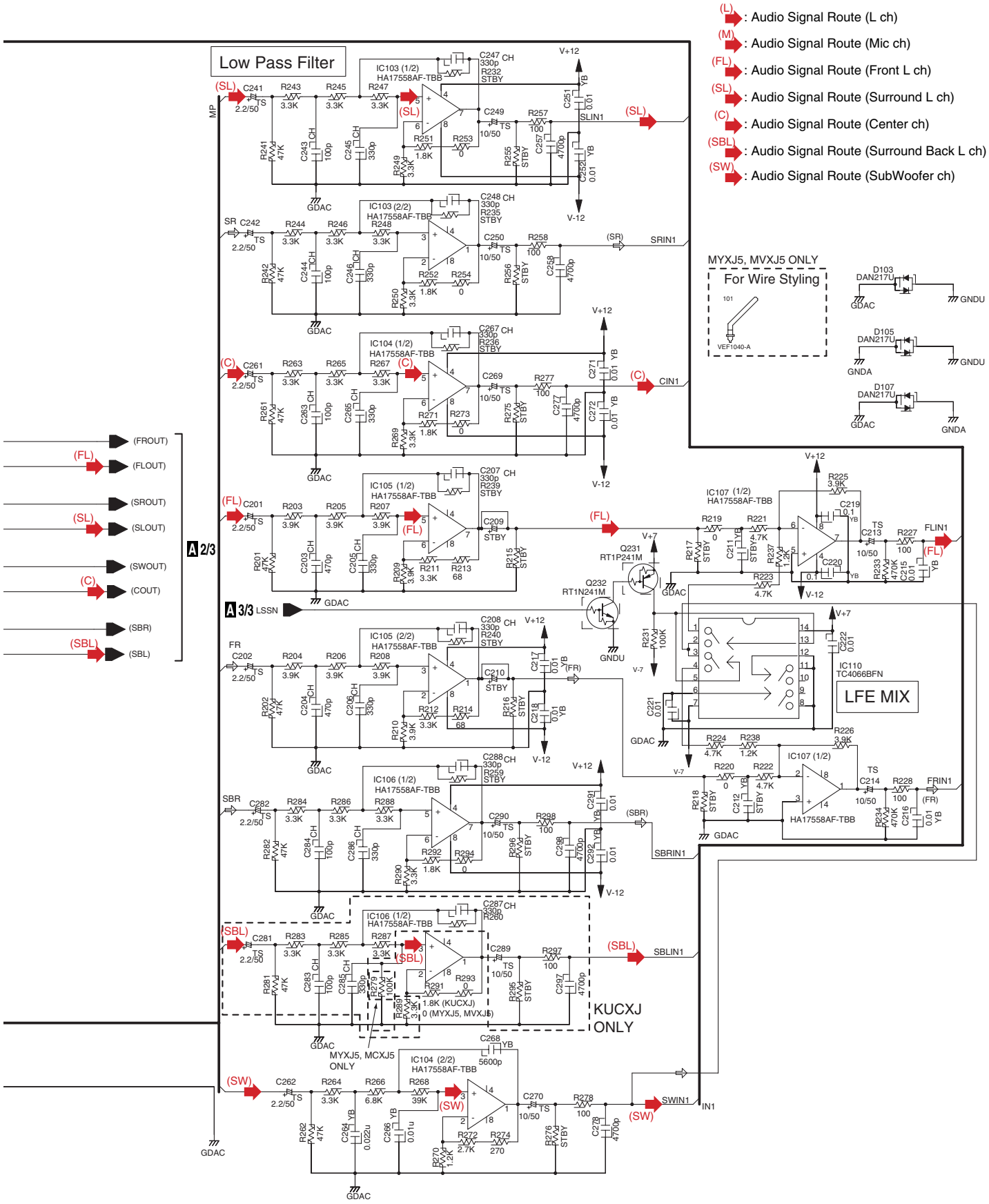
- When ordering service parts, be sure to refer to "EXPLODED VIEWS and PARTS LIST" or "PCB PARTS LIST".
- The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.
- : The power supply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



3.3 MAIN ASSY (1/3)

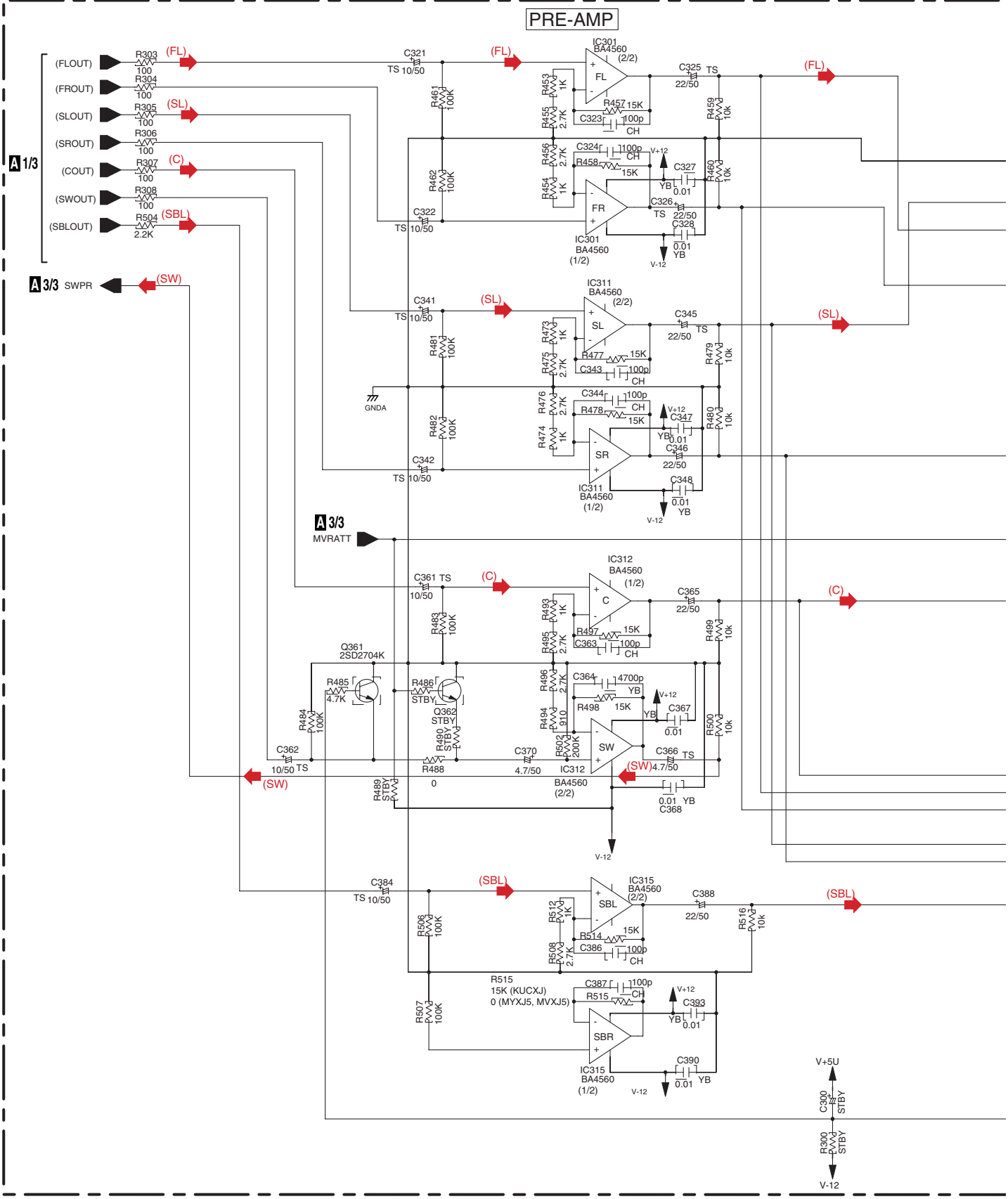
A 1/3 MAIN ASSY
(KUCXJ : XWK3229)
(MYXJ5, MVXJ5 : XWK3230)




(L): Audio Signal Route (L ch)
(M): Audio Signal Route (Mic 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)
Low Pass Filter
MYXJ5, MVXJ5 ONLY
For Wire Styling
KUCXJ ONLY
MYXJ5, MCXJ5 ONLY
LFE MIX
(FROUT)
(FLOUT)
(SROUT)
(SLOUT)
(SWOUT)
(COUT)
(SBR)
(SBL)
A 2/3
A 3/3 LSSN
SLIN1
SRIN1
CIN1
FLIN1
SBRIN1
SBLIN1
SWIN1
IC103 (1/2) HA17558AF-TBB
IC103 (2/2) HA17558AF-TBB
IC104 (1/2) HA17558AF-TBB
IC104 (2/2) HA17558AF-TBB
IC105 (1/2) HA17558AF-TBB
IC105 (2/2) HA17558AF-TBB
IC106 (1/2) HA17558AF-TBB
IC106 (2/2) HA17558AF-TBB
IC107 (1/2) HA17558AF-TBB
IC110 TC4066BFN
Q231 RT1P241M
Q232 RT1N241M
D103 DAN217U
D105 DAN217U
D107 DAN217U
V+12
V-12
V+7
V-7
GDAC
GNDU
GNDA
A 1/3
VSX-516-K
17

3.4 MAIN ASSY (2/3)

A 2/3 MAIN ASSY
(KUCXJ : XWK3229)
(MYXJ5, MVXJ5 : XWK3230)



A 2/3

(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)

NOTE
1.RESISTORS
Unit: k-kΩ, M-MΩ or Ω unless otherwise noted.
Rated power: 1/16W unless otherwise noted.
Tolerance: (J) ±5% unless otherwise noted.
2.CAPACITORS
Unit: p-pF or µF unless otherwise noted.
Ratings: Capacity(µF)/Voltage(V) unless otherwise noted.
Rated Voltage: 50V expect for electrolytic capacitors.
JA:CEJA

A 3/3

CONTROL

CN114
XKP3091-
C
GNDA
SBL
GNDA
SBR/SW
GNDA
SL
GNDA
FL
GNDA
SR
GNDA
FR
AMUTE
ATT
DCDT
XPROTECT
OLDT
6 OHM
NECK
GNDU

C 1/2
CN705

AMUTE
DCDT
XPROTECT
OLDT
NECK
A 3/3 6_OHM

C392 1000p YB GNDU
GNDU
C320 1000p YB GNDA GNDCH

CN252
B3B-EH
FAN+
FAN-
FAN STOP
FAN

J22
-12V
GNDU
+12V
O 891
CN251
52147-0310

R446 100k
R444 STBY
R445 22k
Q253 RT1N241M
Q257 2SA1576A (QR)
R449 1K
C255 NP 4.7/25
R448 100K
D254 UDZS5R1(B)

C R433 100K
FL R431 100K
FR R432 100K
SBL R434 100K
SL R435 100K
SR R436 100K

Q251 STBY
R437 STBY
R440 750K
R438 100K
IC253 (1/2) HA17558AF
D251 DAN217U
R439 100K
R441 2.2K
C256 0.01 CKPU
C253 0.01 CKPU
R442 100K
C254 100/25
IC251 (2/2) HA17558AF

Q255
KUCXJ : RT1N241M
MYXJ5, MVXJ5 : U2SC4081(QR)

Q252 2SD1858X (QR)
RT1P241M
Q255
Q254
R443 470
R464
Q259 RT1P241M
2SC4081 (QR)
Q260
R465 22K
R466 22K
2SD2704K
Q256
R447 4.7K
R463 22K
D253
D255 UDZS13(B)
R280
KUCXJ ONLY
MYXJ5, MVXJ5 ONLY
MYXJ5, MVXJ5 ONLY
GNDU

D253
KUCXJ : UDZS27(B)
MYXJ5, MVXJ5 : UDZS13(B)

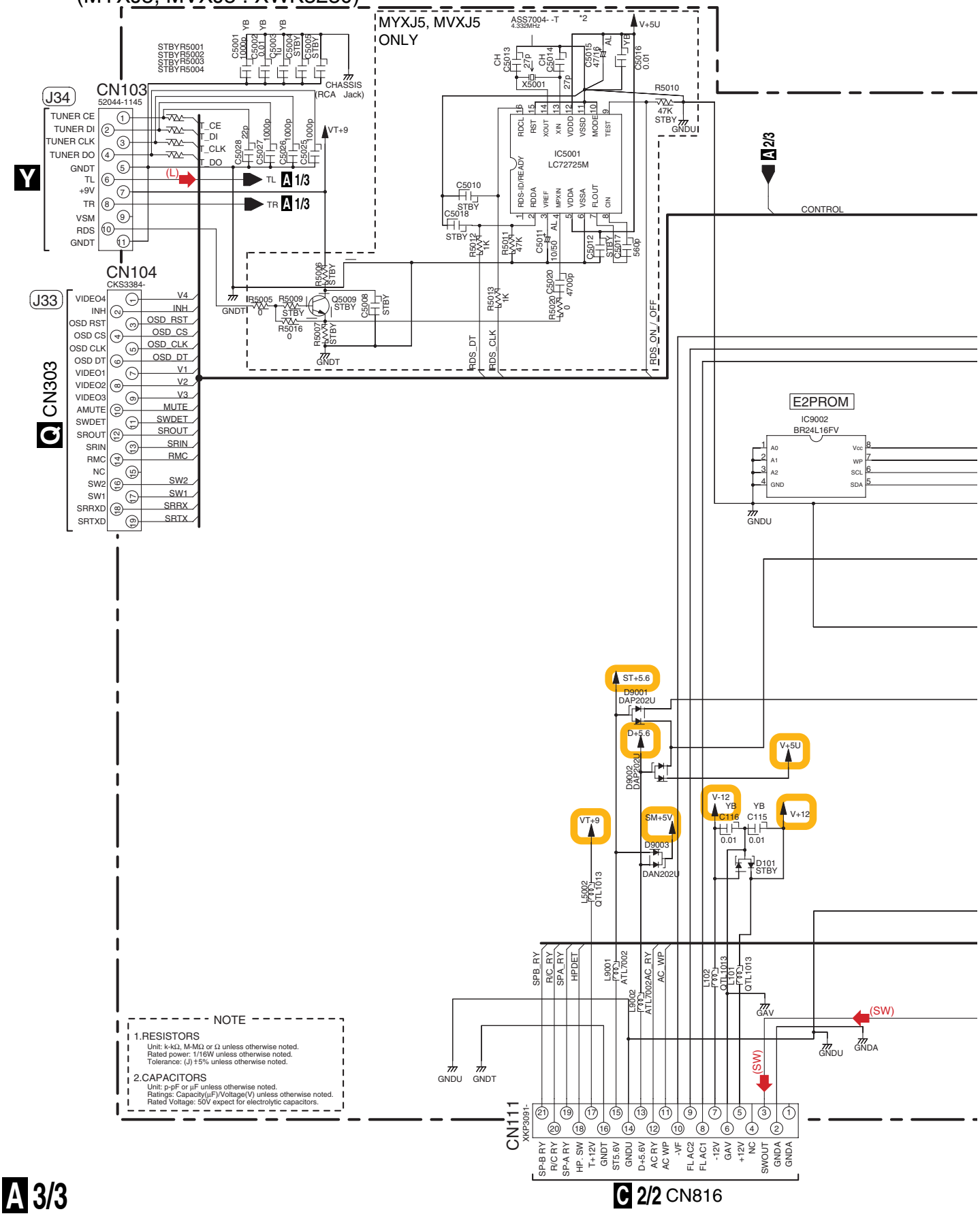
R464
KUCXJ : 0
MYXJ5, MVXJ5 : 22K

FAN CONTROL

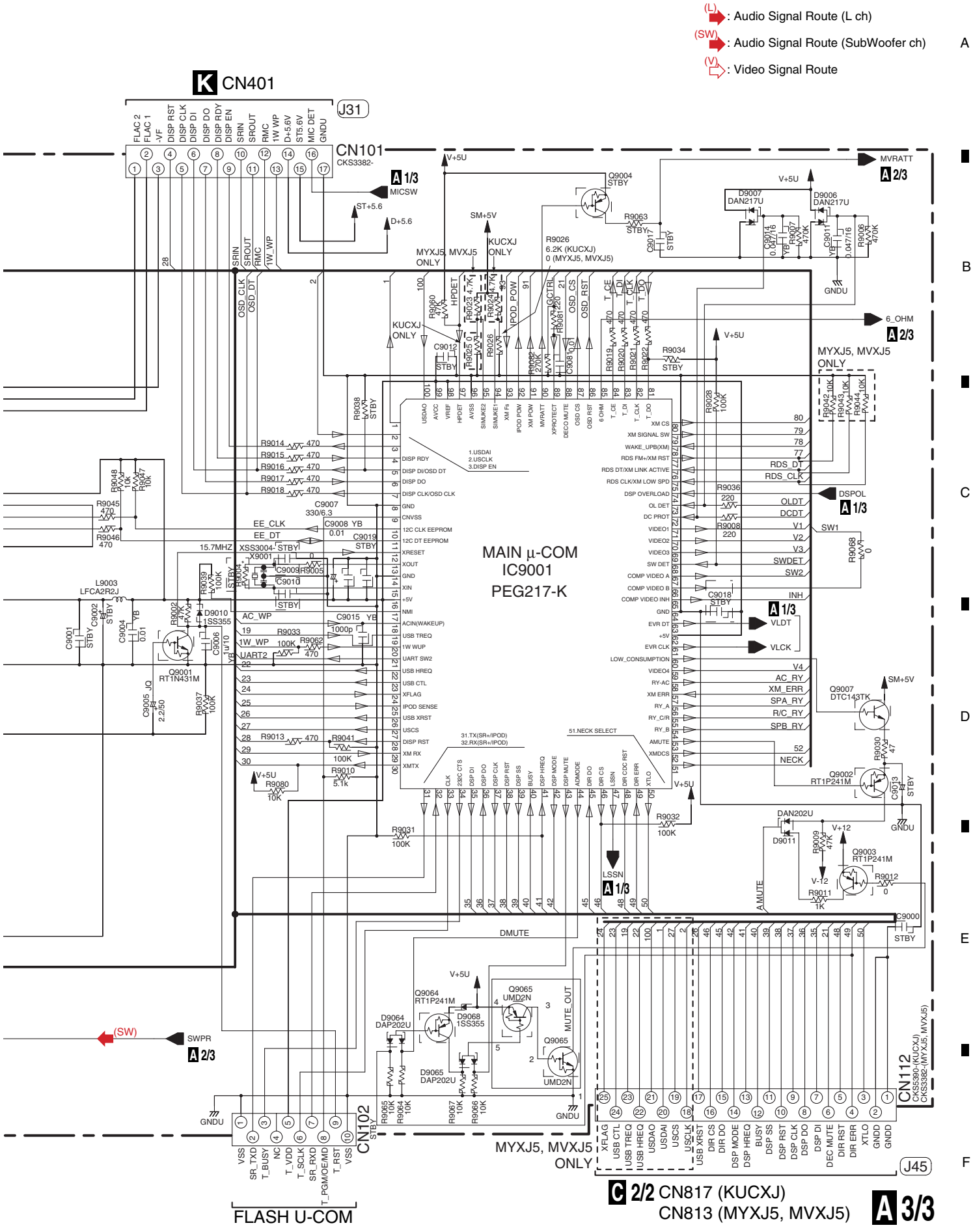
A 2/3

3.5 MAIN ASSY (3/3)

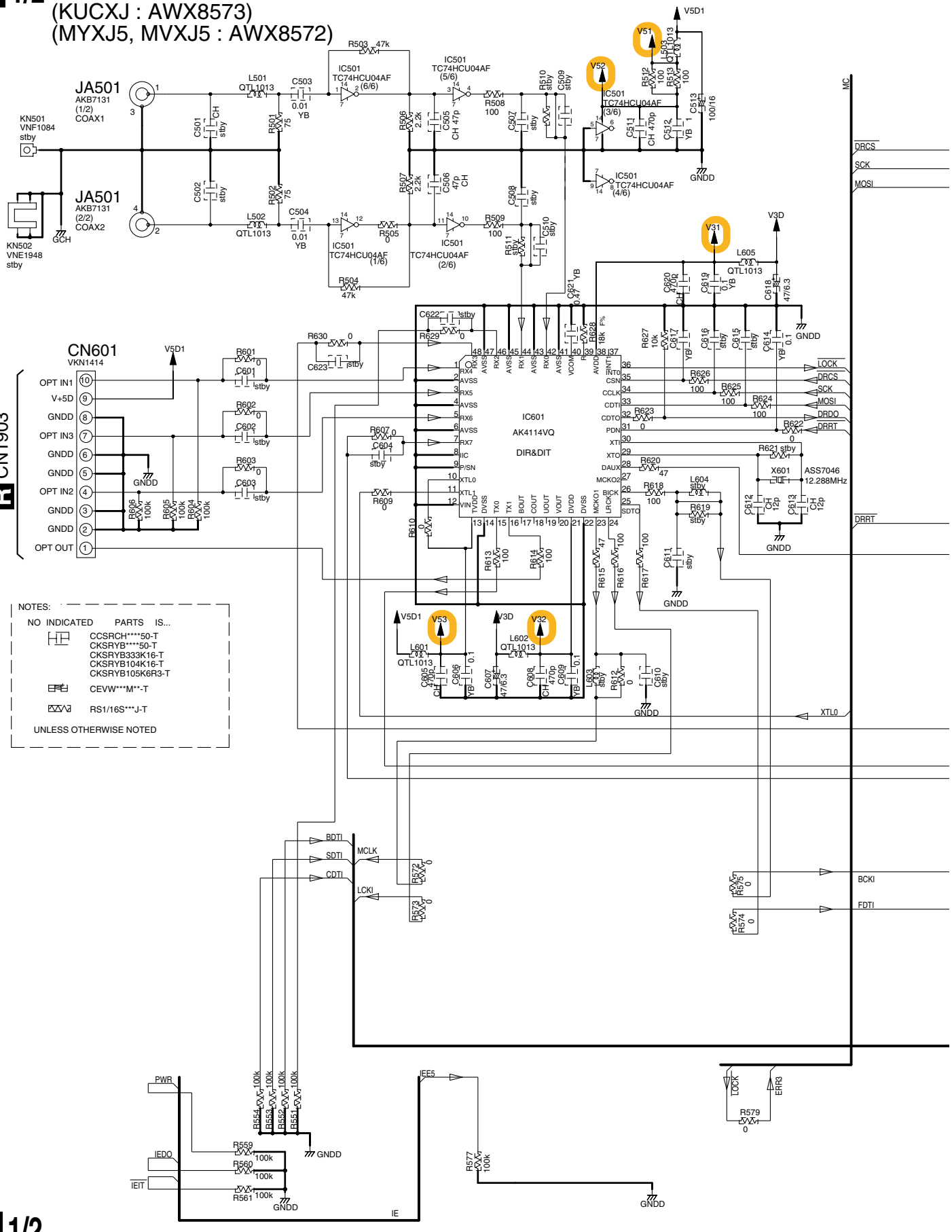
A 3/3 MAIN ASSY
(KUCXJ : XWK3229)
(MYXJ5, MVXJ5 : XWK3230)



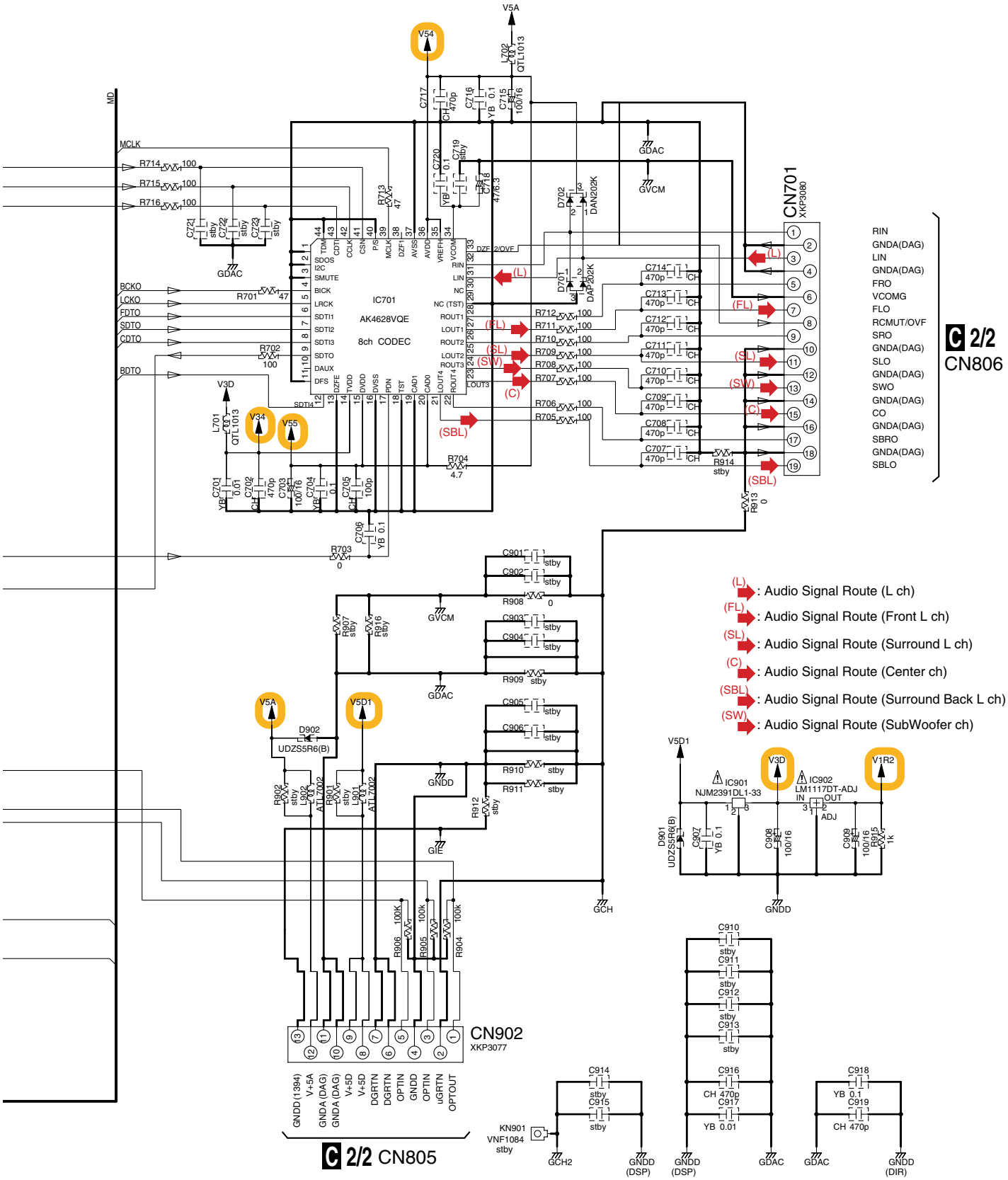
A 3/3


(L): Audio Signal Route (L ch)
(SW): Audio Signal Route (SubWoofer ch)
(V): Video Signal Route
K CN401
J31
CN101
CKS3382-
MAIN µ-COM
IC9001
PEG217-K
FLASH U-COM
CN102
CN112
CKS5390-(KUCXJ)
CKS3382-(MYXJ5, MVXJ5)
J45
MYXJ5, MVXJ5 ONLY
KUCXJ ONLY
C 2/2 CN817 (KUCXJ)
CN813 (MYXJ5, MVXJ5)
A 3/3
VSX-516-K
21

B 1/2 DSP ASSY
(KUCXJ : AWX8573)
(MYXJ5, MVXJ5 : AWX8572)

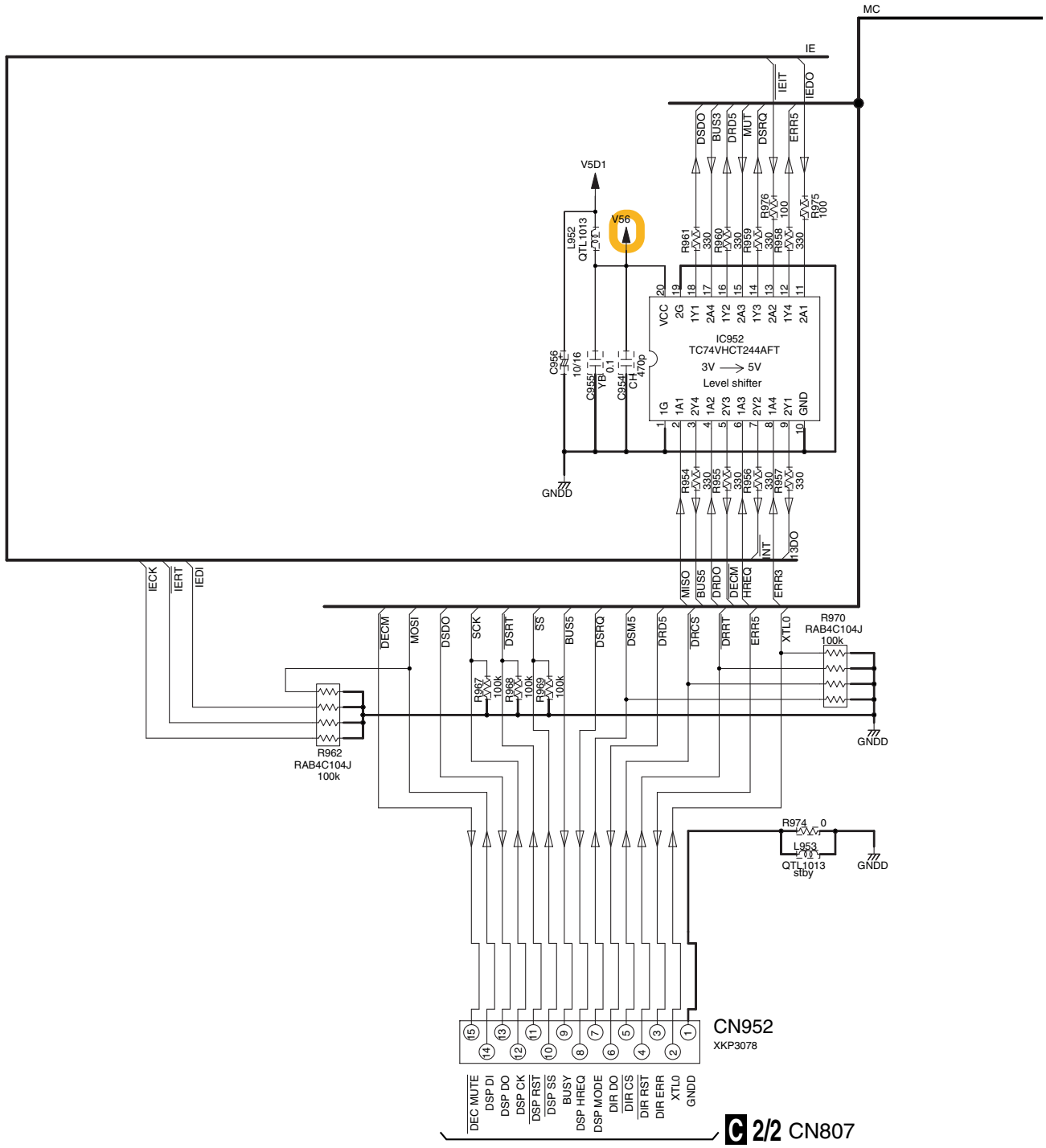


B 1/2


IC701
AK4628VQE
8ch CODEC
CN701
XKP3080
CN806
CN902
XKP3077
CN805
(L): 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)
IC901 NJM2391DL1-33
IC902 LM1117DT-ADJ
V5A
V5D1
V3D
V1R2
V54
V34
V55
GDAC
GVCM
GNDD
GCH
GIE
GCH2
MD
MCLK
BCKO
LCKO
FDTO
SDTO
CDTO
BDTO

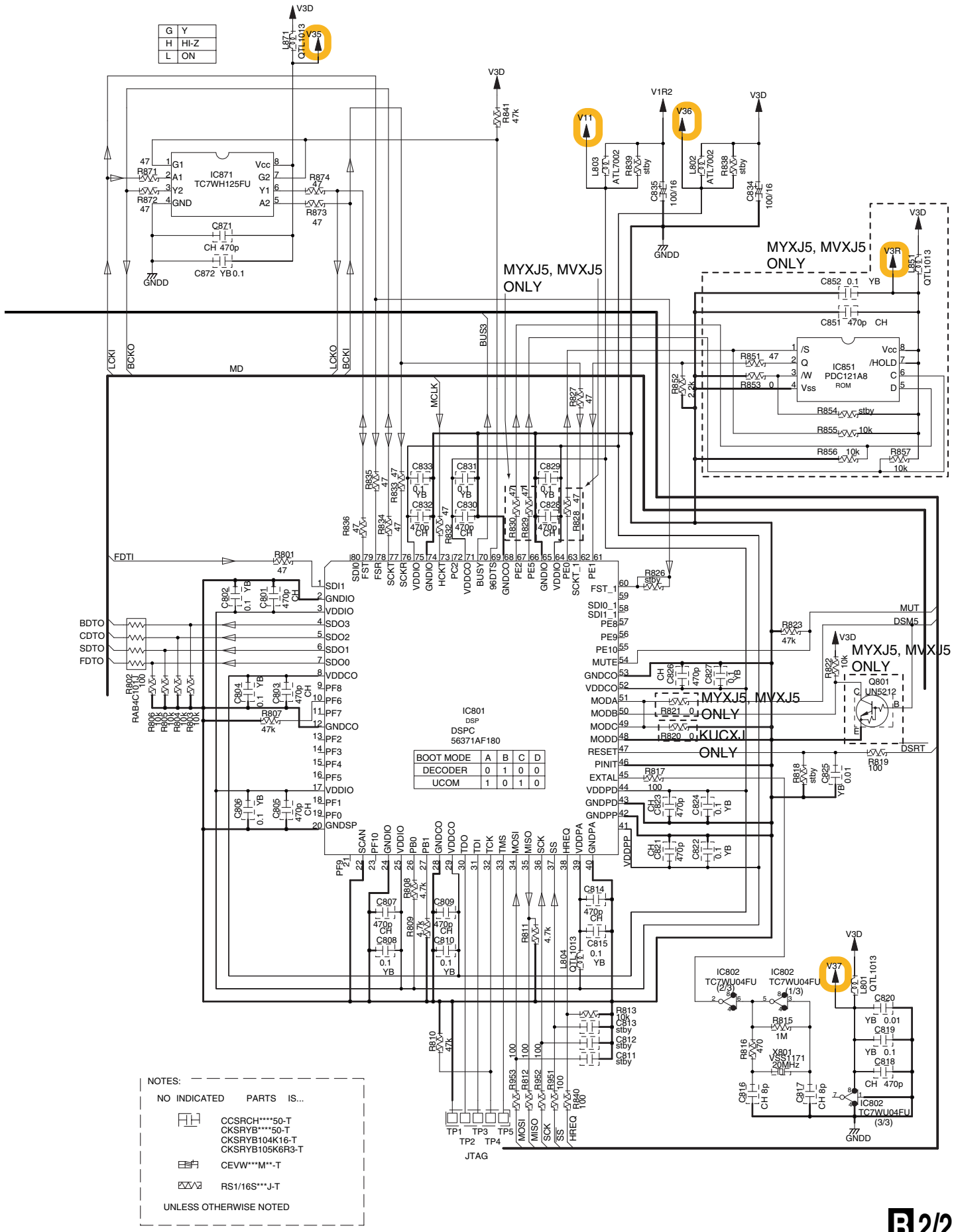
3.7 DSP ASSY (2/2)

B 2/2 DSP ASSY
(KUCXJ : AWX8573)
(MYXJ5, MVXJ5 : AWX8572)



B 2/2

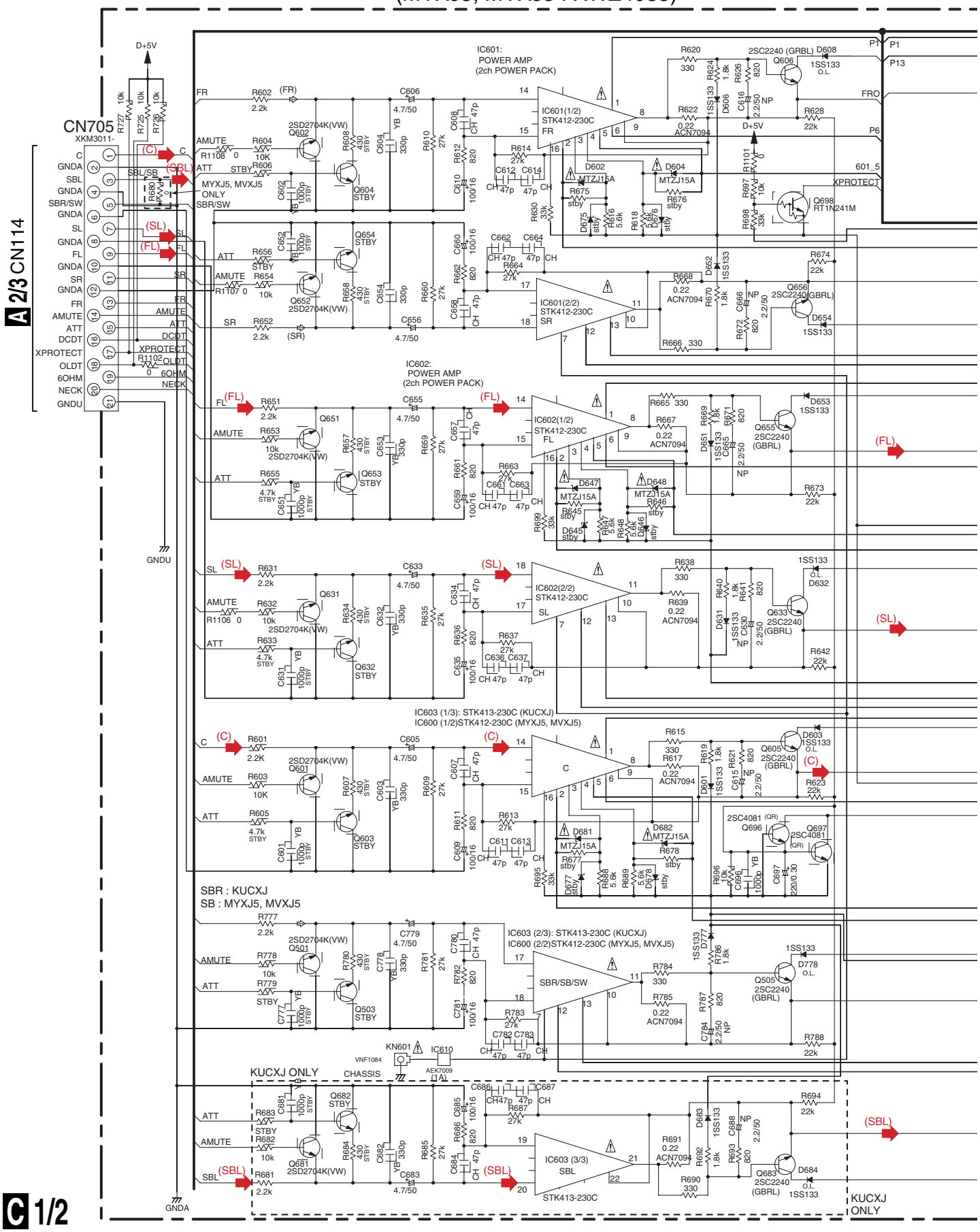
C 2/2 CN807


G Y
H HI-Z
L ON
V3D
V35
V11
V36
V1R2
V37
V3R
IC871
TC7WH125FU
IC851
PDC121A8
ROM
IC801
DSP
DSPC
56371AF180
IC802
TC7WU04FU
MYXJ5, MVXJ5
ONLY
KUCXJ
ONLY
BOOT MODE A B C D
DECODER 0 1 0 0
UCOM 1 0 1 0
NOTES:
NO INDICATED PARTS IS...
CCSRCH****50-T
CKSRYB****50-T
CKSRYB104K16-T
CKSRYB105K6R3-T
CEVW***M**-T
RS1/16S***J-T
UNLESS OTHERWISE NOTED
JTAG
GNDD
FDTI
BDTO
CDTO
SDTO
FDTO
MD
MCLK
BUS3
LCKI
BCKO
LCKO
BCKI
MUT
DSM5
DSRT

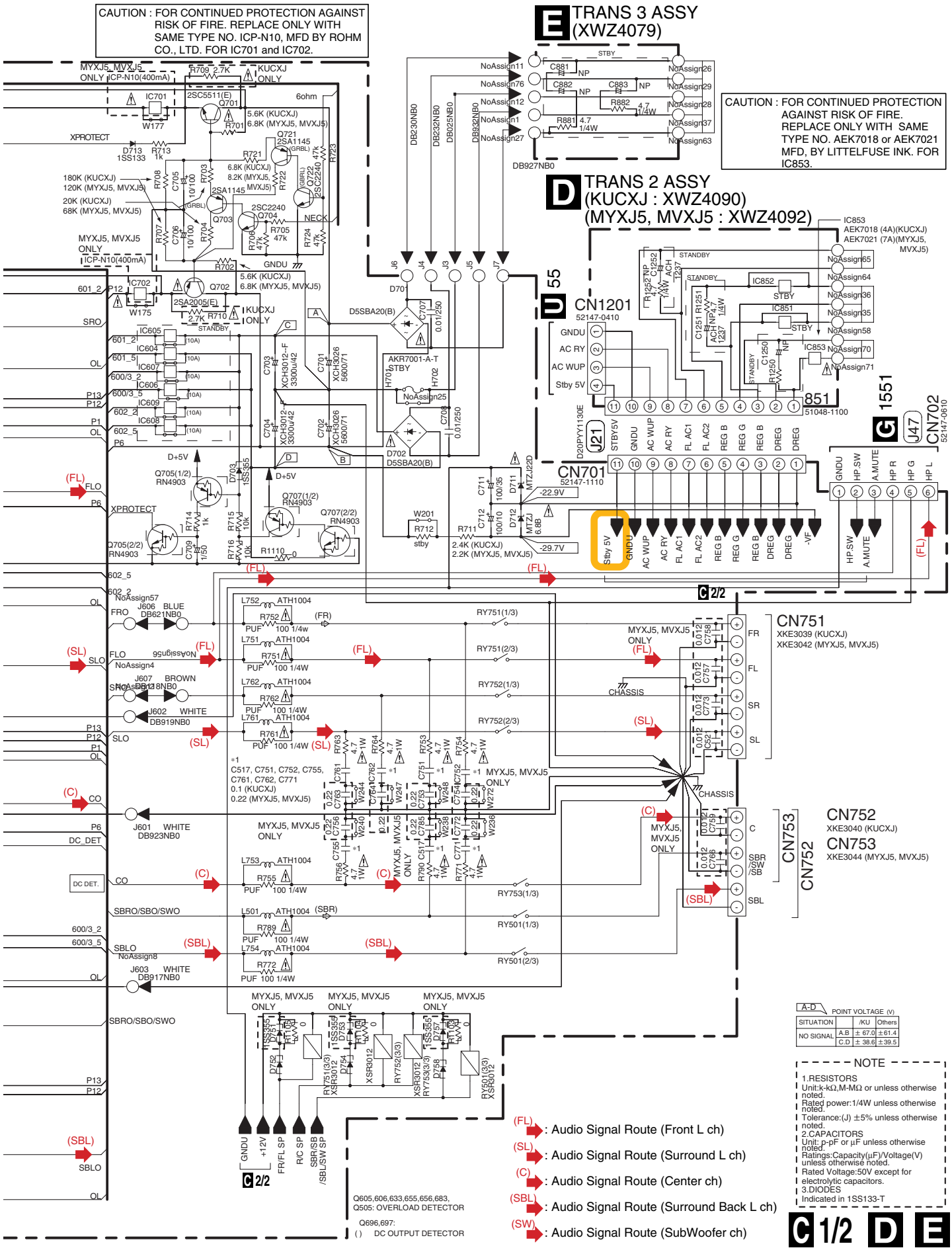
B 2/2

3.8 POWER PACK (1/2), TRANS 2 and TRANS 3 ASSYS

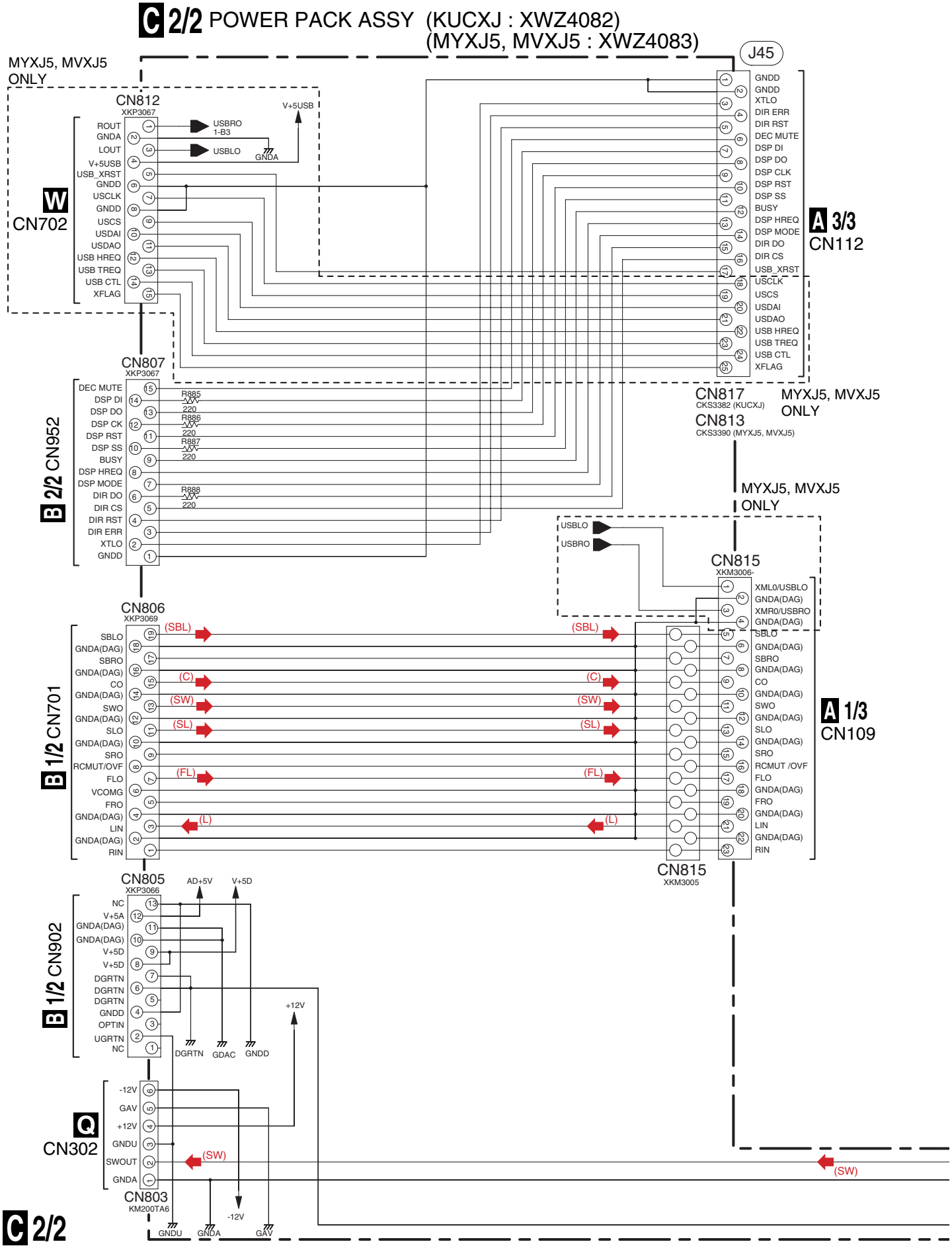
C 1/2 POWER PACK ASSY (KUCXJ : XWZ4082)
(MYXJ5, MVXJ5 : XWZ4083)



C 1/2


CAUTION : FOR CONTINUED PROTECTION AGAINST RISK OF FIRE. REPLACE ONLY WITH SAME TYPE NO. ICP-N10, MFD BY ROHM CO., LTD. FOR IC701 and IC702.
E TRANS 3 ASSY (XWZ4079)
CAUTION : FOR CONTINUED PROTECTION AGAINST RISK OF FIRE. REPLACE ONLY WITH SAME TYPE NO. AEK7018 or AEK7021 MFD, BY LITTELFUSE INK. FOR IC853.
D TRANS 2 ASSY (KUCXJ : XWZ4090) (MYXJ5, MVXJ5 : XWZ4092)
CN1201 52147-0410
CN701 52147-1110
CN702 52147-0610
CN751 XKE3039 (KUCXJ) XKE3042 (MYXJ5, MVXJ5)
CN752 XKE3040 (KUCXJ)
CN753 XKE3044 (MYXJ5, MVXJ5)
(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)
Q605,606,633,655,656,683, Q505: OVERLOAD DETECTOR
Q696,697: ( ) DC OUTPUT DETECTOR
NOTE
1.RESISTORS Unit:k-kΩ,M-MΩ or unless otherwise noted. Rated power:1/4W unless otherwise noted. Tolerance:(J) ±5% unless otherwise noted.
2.CAPACITORS Unit: p-pF or µF unless otherwise noted. Ratings:Capacity(µF)/Voltage(V) unless otherwise noted. Rated Voltage:50V except for electrolytic capacitors.
3.DIODES Indicated in 1SS133-T
C 1/2 D E

3.9 POWER PACK ASSY (2/2)

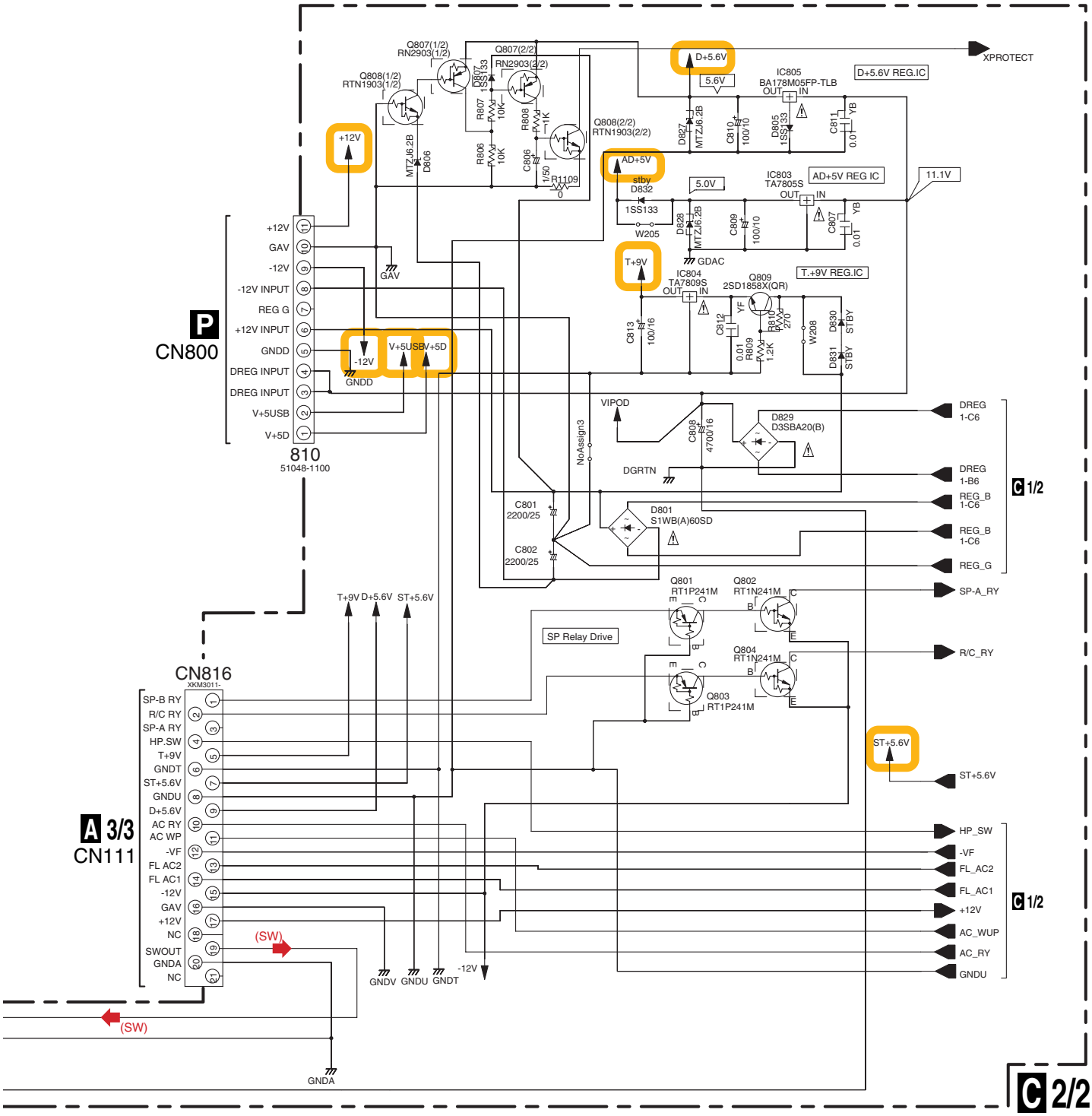


(L) : Audio Signal Route (L ch)
(FL) : Audio Signal Route (Front L ch)
(SL) : Audio Signal Route (Surround L ch)
(C) : Audio Signal Route (Center ch)
(SBL) : Audio Signal Route (Surround Back L ch)
(SW) : Audio Signal Route (SubWoofer ch)

NOTE

1.RESISTORS
Unit:k-kΩ,M-MΩ or unless otherwise noted.
Rated power:1/4W unless otherwise noted.
Tolerance:(J) ± 5% unless otherwise noted.

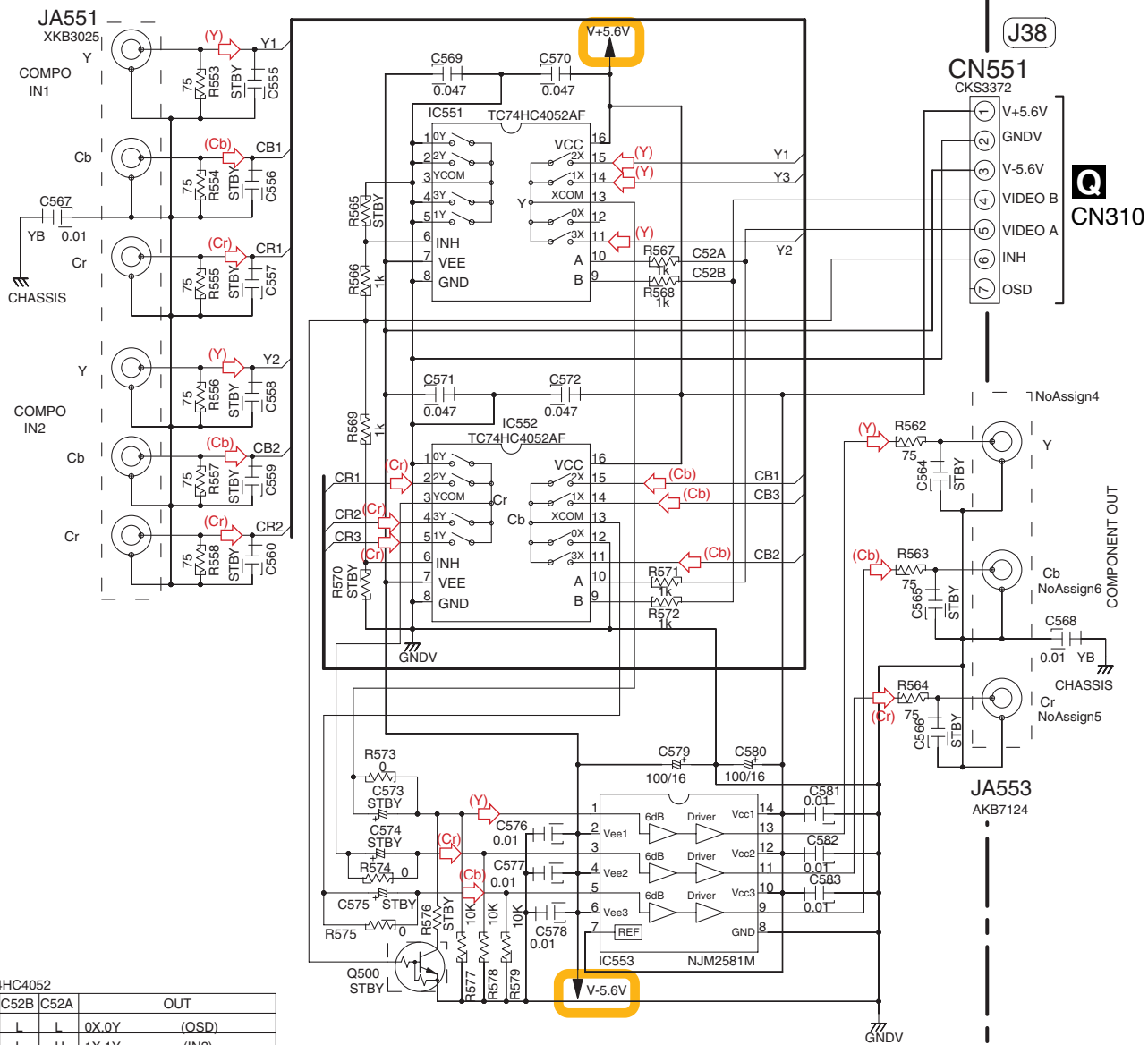
2.CAPACITORS
Umit: p-pF or μF unless otherwise noted.
Ratings:Capacity(μF)/Voltage(V) unless otherwise noted.
Rated Voltage:50V except for electrolytic capacitors.



3.10 COMPONENT ASSY

F COMPONENT ASSY (XWZ4096)

(Y): Video Signal Route (Component Y ch)
(Cb): Video Signal Route (Component Cb ch)
(Cr): Video Signal Route (Component Cr ch)



TC74HC4052

INH	C52B	C52A	OUT	
L	L	L	0X,0Y	(OSD)
L	L	H	1X,1Y	(IN3)
L	H	L	2X,2Y	(IN1)
L	H	H	3X,3Y	(IN2)
H	*	*	NONE	(MUTE)

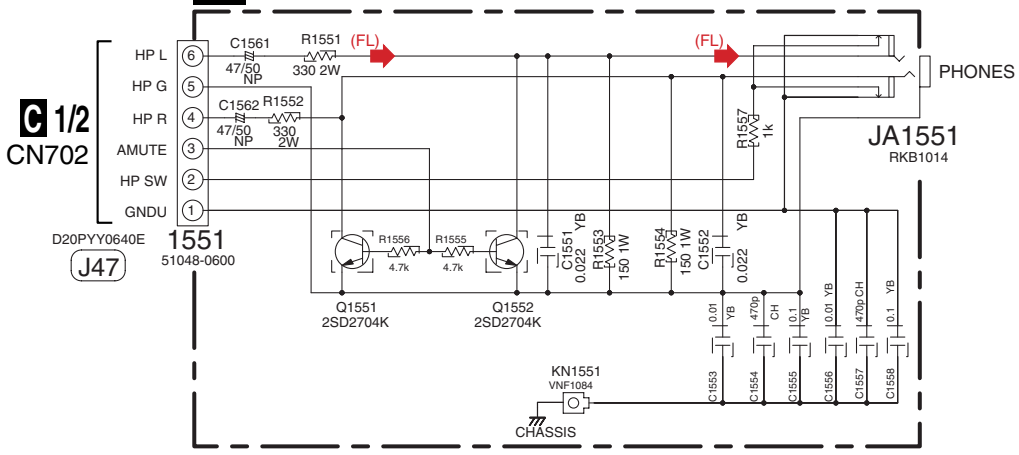
NOTE

1.RESISTORS
Unit: k-kΩ, M-MΩ or Ω unless otherwise noted.
Rated power: 1/16W unless otherwise noted.
Tolerance: (J) ±5% unless otherwise noted.

2.CAPACITORS
Unit: p-pF or μF unless otherwise noted.
Ratings: Capacity(μF)/Voltage(V) unless otherwise noted.
Rated Voltage: 50V expect for electrolytic capacitors.

3.11 HEADPHONE and 5.1CHIN ASSYS

G HEADPHONE ASSY (XWZ4095)



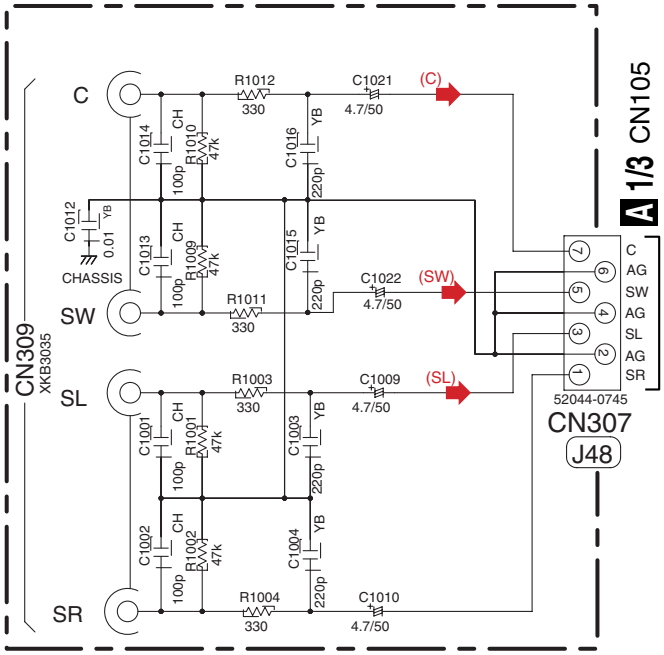
(FL) : Audio Signal Route (Front L ch)
(SL) : Audio Signal Route (Surround L ch)
(C) : Audio Signal Route (Center ch)
(SW) : Audio Signal Route (SubWoofer ch)

NOTE

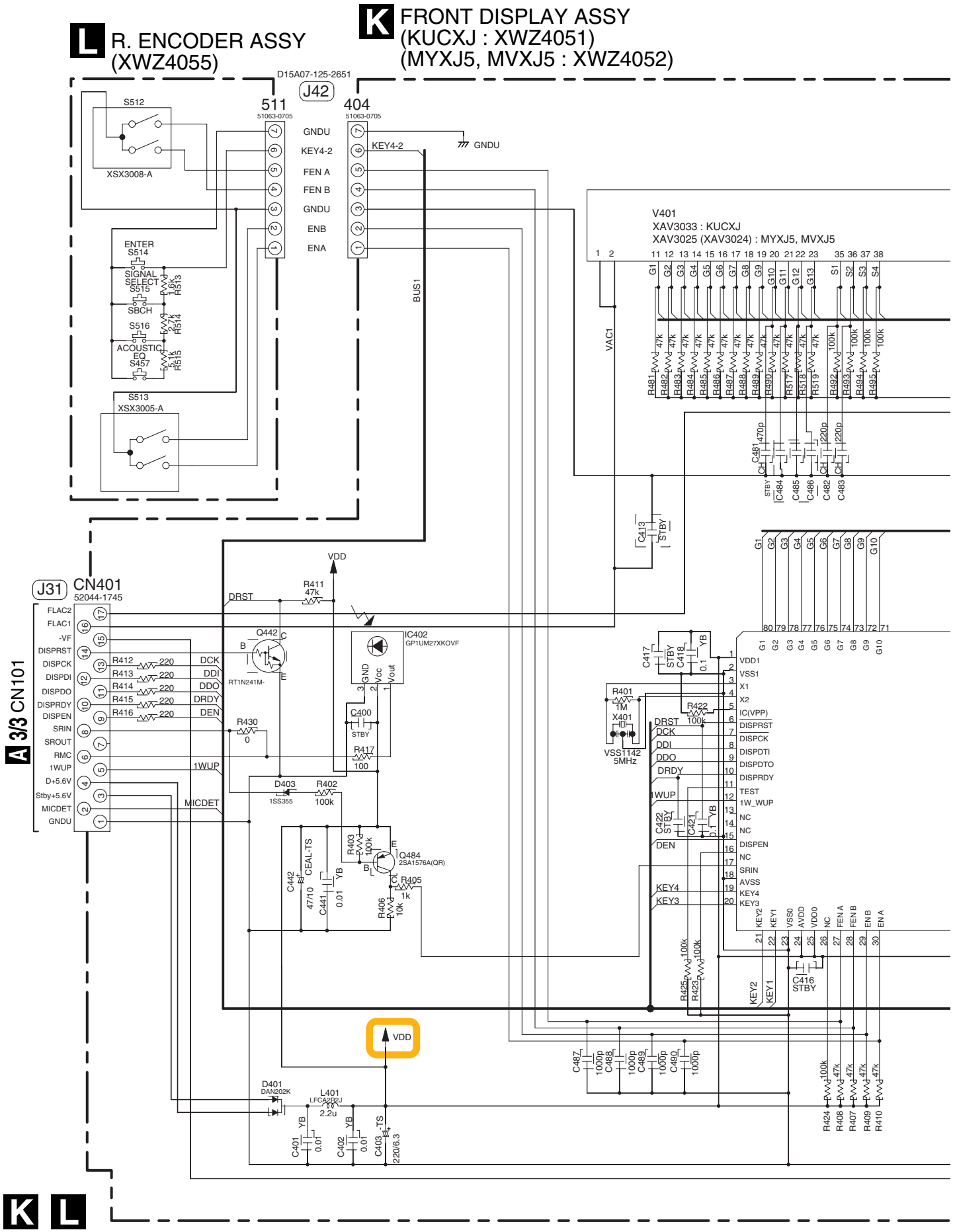
1.RESISTORS
Unit: k-kΩ, M-MΩ or Ω unless otherwise noted.
Rated power: 1/16W unless otherwise noted.
Tolerance: (J)±5% unless otherwise noted.

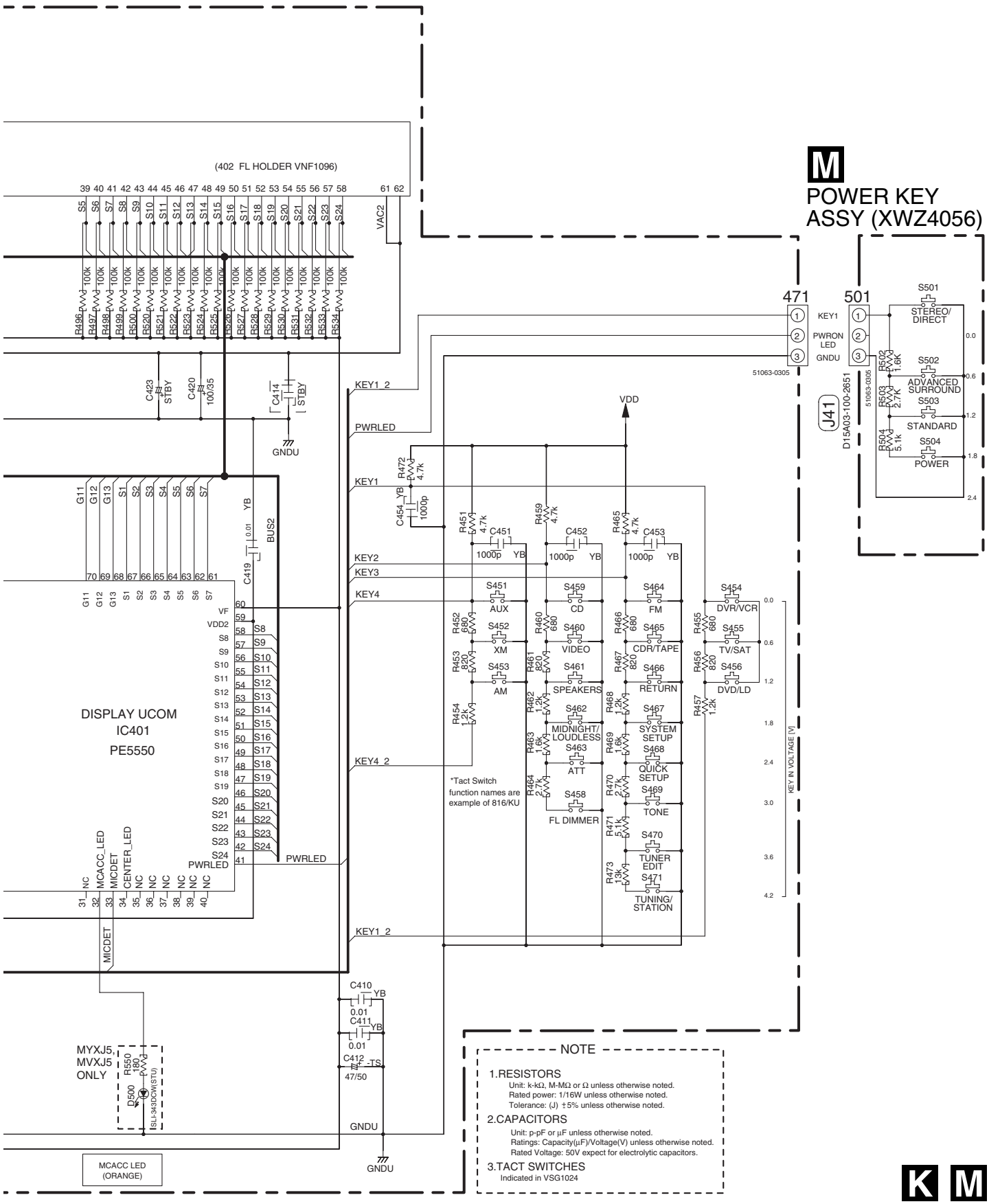
2.CAPACITORS
Unit: p-pF or µF unless otherwise noted.
Ratings: Capacity(µF)/Voltage(V) unless otherwise noted.
Rated Voltage: 50V expect for electrolytic capacitors.

I 5.1CHIN ASSY (XWZ4069)



3.12 FRONT DISPLAY, R. ENCODER and POWER KEY ASSYS



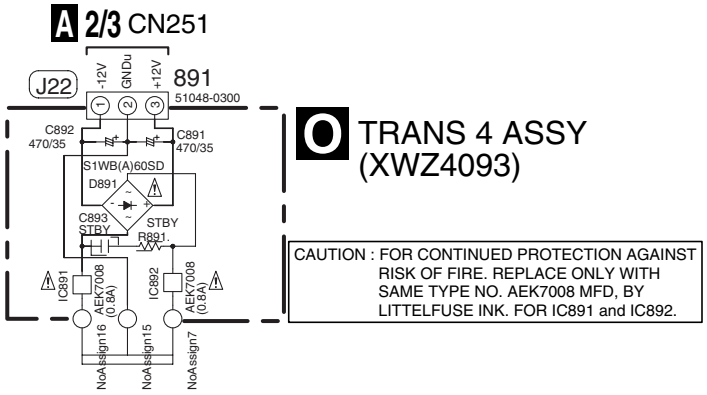

(402 FL HOLDER VNF1096)
39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 61 62
S5 S6 S7 S8 S9 S10 S11 S12 S13 S14 S15 S16 S17 S18 S19 S20 S21 S22 S23 S24
VAC2
R496 100k R497 100k R498 100k R499 100k R500 100k R520 100k R521 100k R522 100k R523 100k R524 100k R525 100k R526 100k R527 100k R528 100k R529 100k R530 100k R531 100k R532 100k R533 100k R534 100k
C423 STBY
C420 100/35
C414 STBY
GNDU
KEY1_2
PWRLED
KEY1
KEY2
KEY3
KEY4
KEY4_2
KEY1_2
VDD
R472 4.7k
C454 YB 1000p
R451 4.7k
C451 1000p YB
R459 4.7k
C452 1000p YB
R465 4.7k
C453 1000p YB
S451 AUX
S459 CD
S464 FM
S454 DVR/VCR
R452 680
S452 XM
R460 680
S460 VIDEO
R466 680
S465 CDR/TAPE
R455 680
S455 TV/SAT
R453 820
S453 AM
R461 820
S461 SPEAKERS
R467 820
S466 RETURN
R456 820
S456 DVD/LD
R454 1.2k
R462 1.2k
S462 MIDNIGHT/ LOUDLESS
R468 1.2k
S467 SYSTEM SETUP
R457 1.2k
R463 1.6k
S463 ATT
R469 1.6k
S468 QUICK SETUP
R464 2.7k
S458 FL DIMMER
R470 2.7k
S469 TONE
R471 5.1k
S470 TUNER EDIT
R473 10k
S471 TUNING/ STATION
0.0 0.6 1.2 1.8 2.4 3.0 3.6 4.2
KEY IN VOLTAGE [V]
*Tact Switch function names are example of 816/KU
DISPLAY UCOM
IC401
PE5550
G11 G12 G13 S1 S2 S3 S4 S5 S6 S7
70 69 68 67 66 65 64 63 62 61
C419 0.01 YB
BUS2
VF
VDD2
S8 S9 S10 S11 S12 S13 S14 S15 S16 S17 S18 S19 S20 S21 S22 S23 S24
PWRLED
60 59 58 57 56 55 54 53 52 51 50 49 48 47 46 45 44 43 42 41
31 NC 32 MCACC_LED 33 MICDET 34 CENTER_LED 35 NC 36 NC 37 NC 38 NC 39 NC 40 NC
MICDET
C410 YB 0.01
C411 YB 0.01
C412 TS 47/50
MYXJ5, MVXJ5 ONLY
R550 180
D500 SLI-343DCW(STU)
MCACC LED (ORANGE)
GNDU
M
POWER KEY ASSY (XWZ4056)
471
501
KEY1
PWRON LED
GNDU
51063-0305
S501 STEREO/ DIRECT 0.0
S502 ADVANCED SURROUND 0.6
S503 STANDARD 1.2
S504 POWER 1.8
2.4
R502 1.6K
R503 2.7K
R504 5.1k
J41
D15A03-100-2651
51063-0305
NOTE
1.RESISTORS
Unit: k-kΩ, M-MΩ or Ω unless otherwise noted.
Rated power: 1/16W unless otherwise noted.
Tolerance: (J) ±5% unless otherwise noted.
2.CAPACITORS
Unit: p-pF or μF unless otherwise noted.
Ratings: Capacity(μF)/Voltage(V) unless otherwise noted.
Rated Voltage: 50V expect for electrolytic capacitors.
3.TACT SWITCHES
Indicated in VSG1024

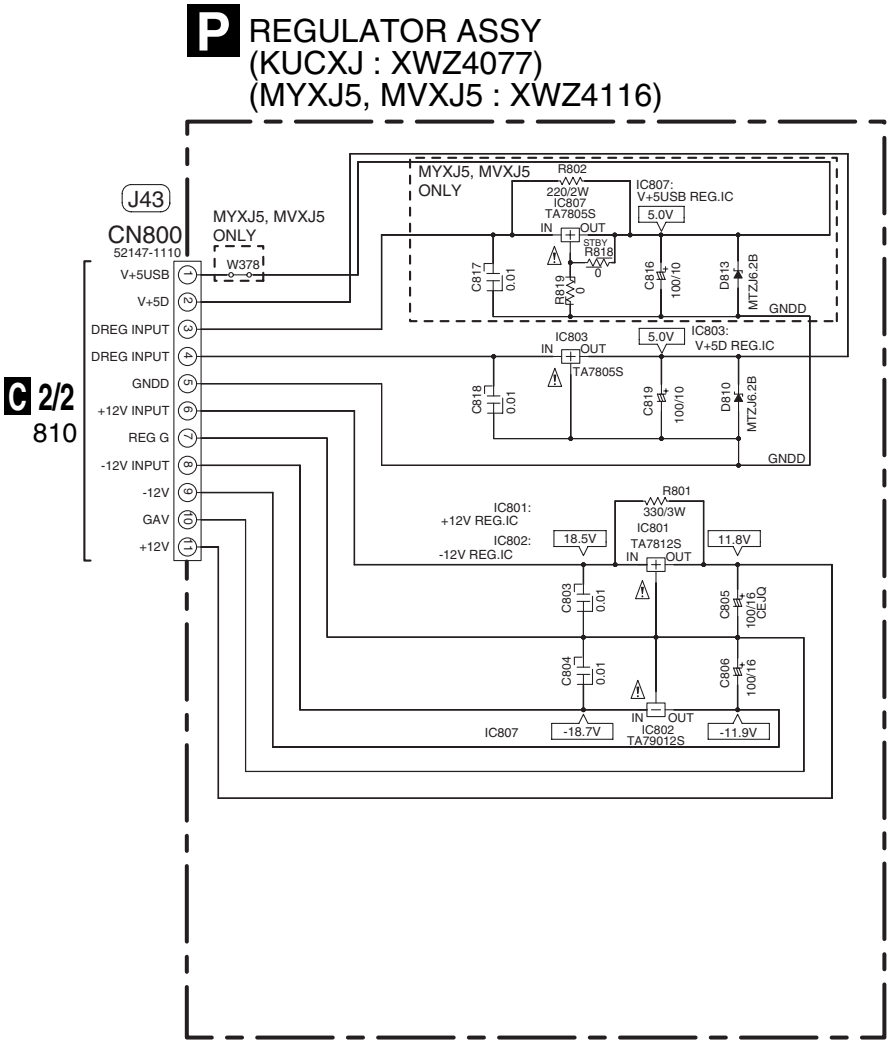
3.13 TRANS 4 and REGULATOR ASSYS

NOTE

1.RESISTORS
Unit: k-kΩ, M-MΩ or Ω unless otherwise noted.
Rated power: 1/16W unless otherwise noted.
Tolerance: (J) ±5% unless otherwise noted.

2.CAPACITORS
Unit: p-pF or µF unless otherwise noted.
Ratings: Capacity(µF)/Voltage(V) unless otherwise noted.
Rated Voltage: 50V expect for electrolytic capacitors.





O P

A

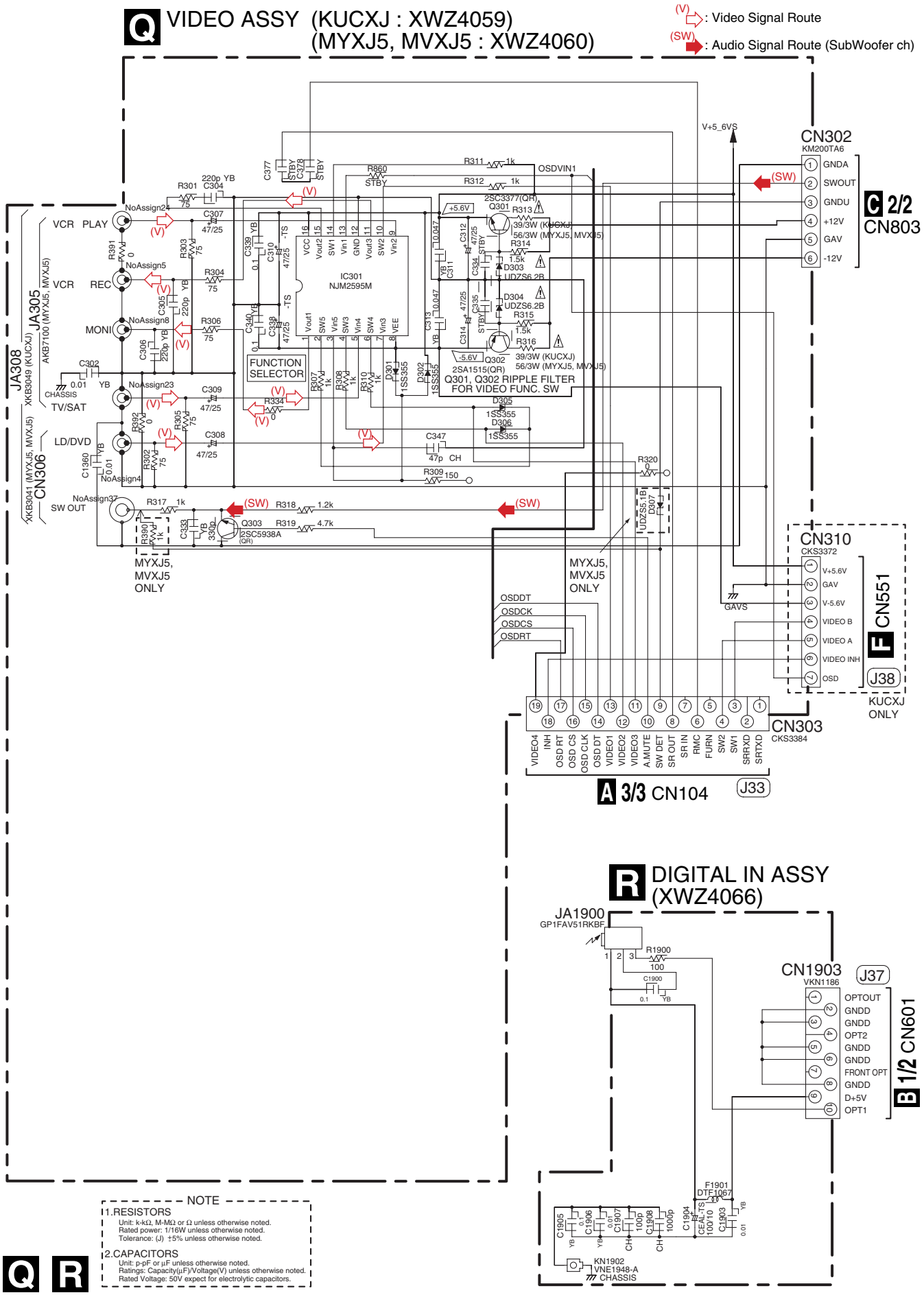
B

C

D

E

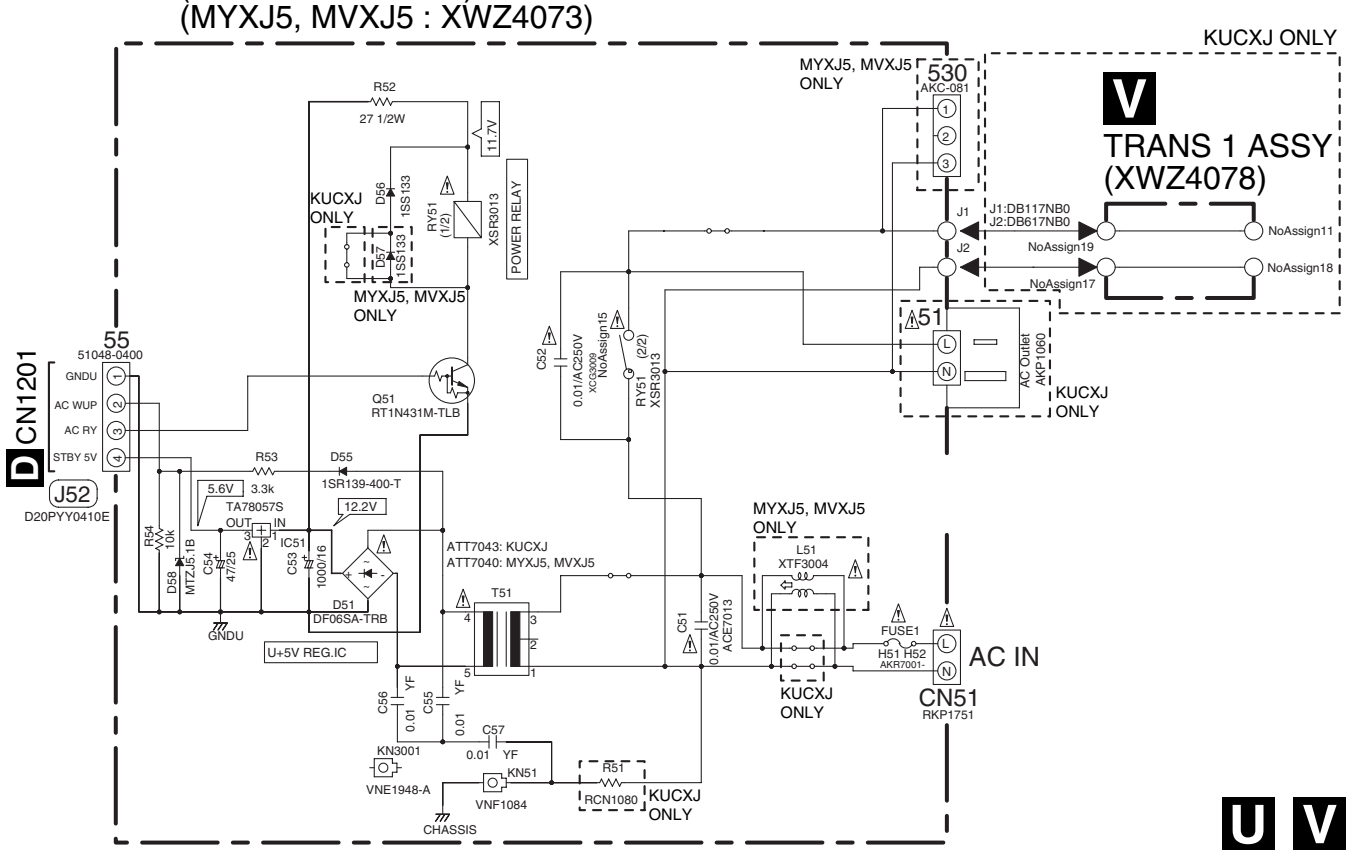
F


Q VIDEO ASSY (KUCXJ : XWZ4059)
(MYXJ5, MVXJ5 : XWZ4060)
(V): Video Signal Route
(SW): Audio Signal Route (SubWoofer ch)
CN302
KM200TA6
GNDA
SWOUT
GNDU
+12V
GAV
-12V
C 2/2 CN803
IC301
NJM2595M
FUNCTION SELECTOR
Q301, Q302 RIPPLE FILTER FOR VIDEO FUNC. SW
2SC3377(QR)
2SA1515(QR)
Q303
2SC5938A
JA308
JA305
AKB7100 (MYXJ5, MVXJ5)
XKB3049 (KUCXJ)
CN306
XKB3041 (MYXJ5, MVXJ5)
VCR PLAY
VCR REC
MONI
TV/SAT
LD/DVD
SW OUT
MYXJ5, MVXJ5 ONLY
CN310
CKS3372
V+5.6V
GAV
V-5.6V
VIDEO B
VIDEO A
VIDEO INH
OSD
F CN551
J38
KUCXJ ONLY
CN303
CKS3384
A 3/3 CN104
J33
OSDDT
OSDCK
OSDCS
OSDRT
R DIGITAL IN ASSY (XWZ4066)
JA1900
GP1FAV51RKBF
R1900
CN1903
VKN1186
J37
OPTOUT
GNDD
OPT2
FRONT OPT
D+5V
OPT1
B 1/2 CN601
F1901
DTF1067
KN1902
VNE1948-A
CHASSIS
NOTE
1.RESISTORS
Unit: k-kΩ, M-MΩ or Ω unless otherwise noted.
Rated power: 1/16W unless otherwise noted.
Tolerance: (J) ±5% unless otherwise noted.
2.CAPACITORS
Unit: p-pF or µF unless otherwise noted.
Ratings: Capacity(µF)/Voltage(V) unless otherwise noted.
Rated Voltage: 50V expect for electrolytic capacitors.

• NOTE FOR FUSE REPLACEMENT

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

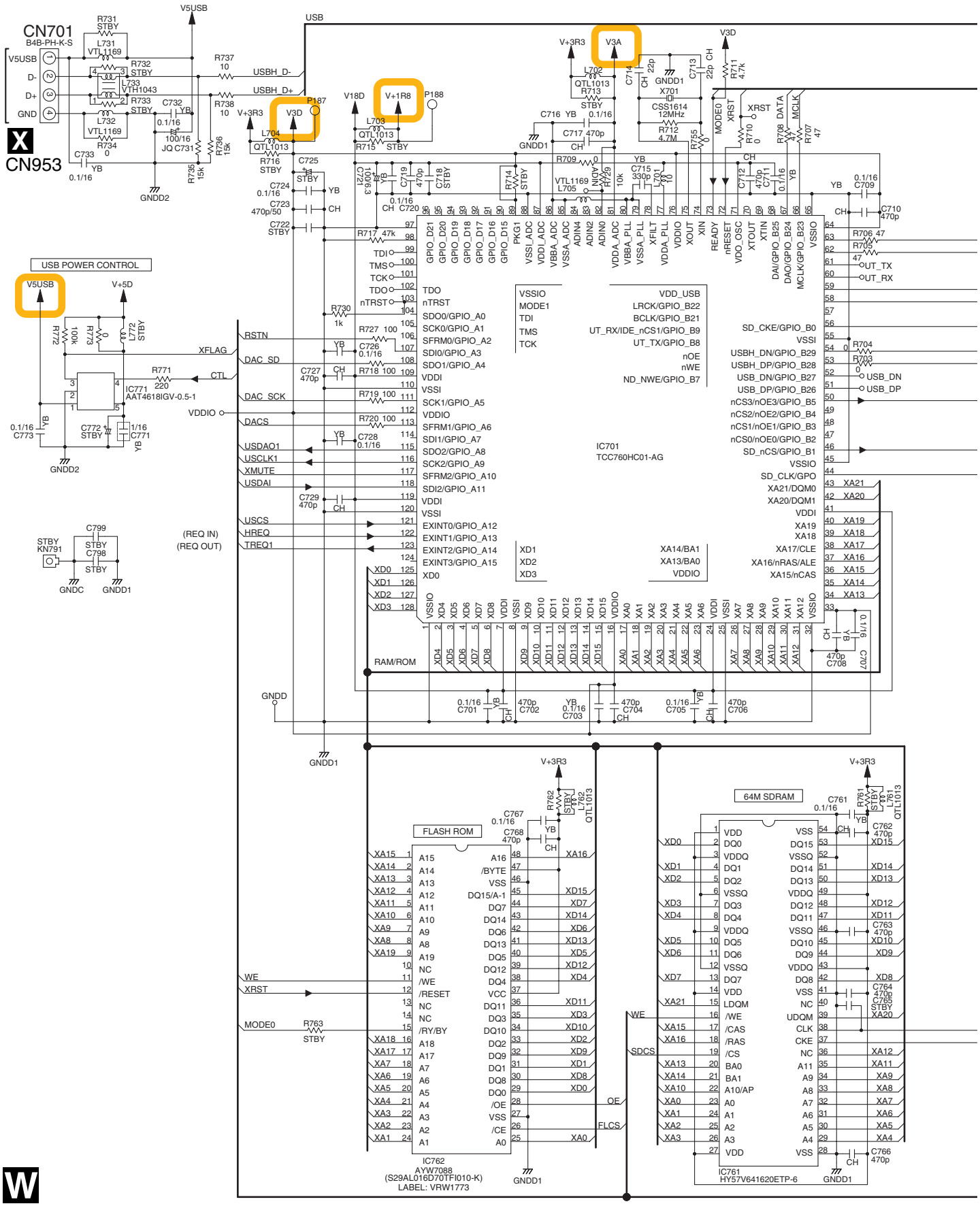
U PRIMARY ASSY
(KUCXJ : XWZ4072)
(MYXJ5, MVXJ5 : XWZ4073)

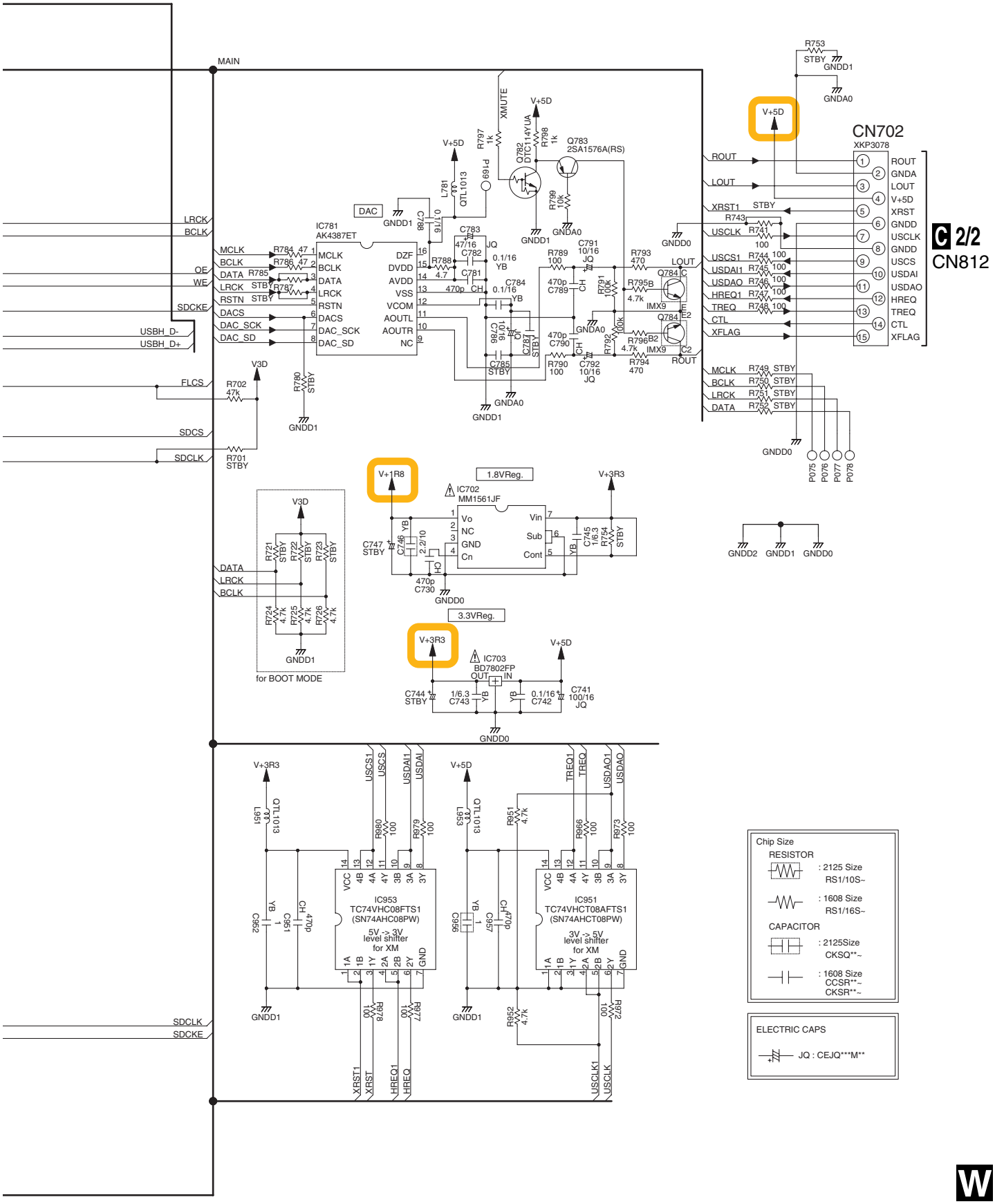


U V

3.15 USB ASSY

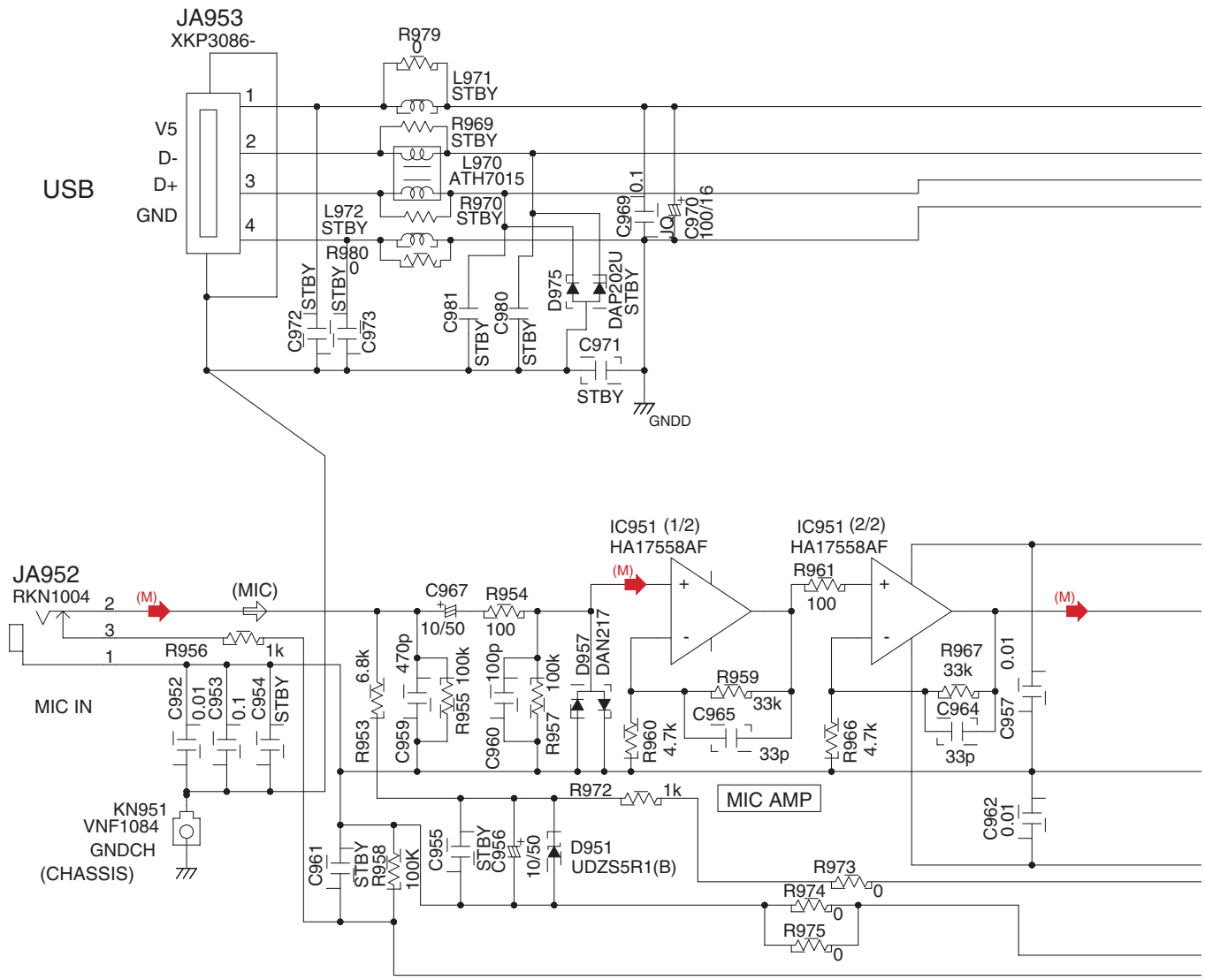
W USB ASSY (AWX8704)



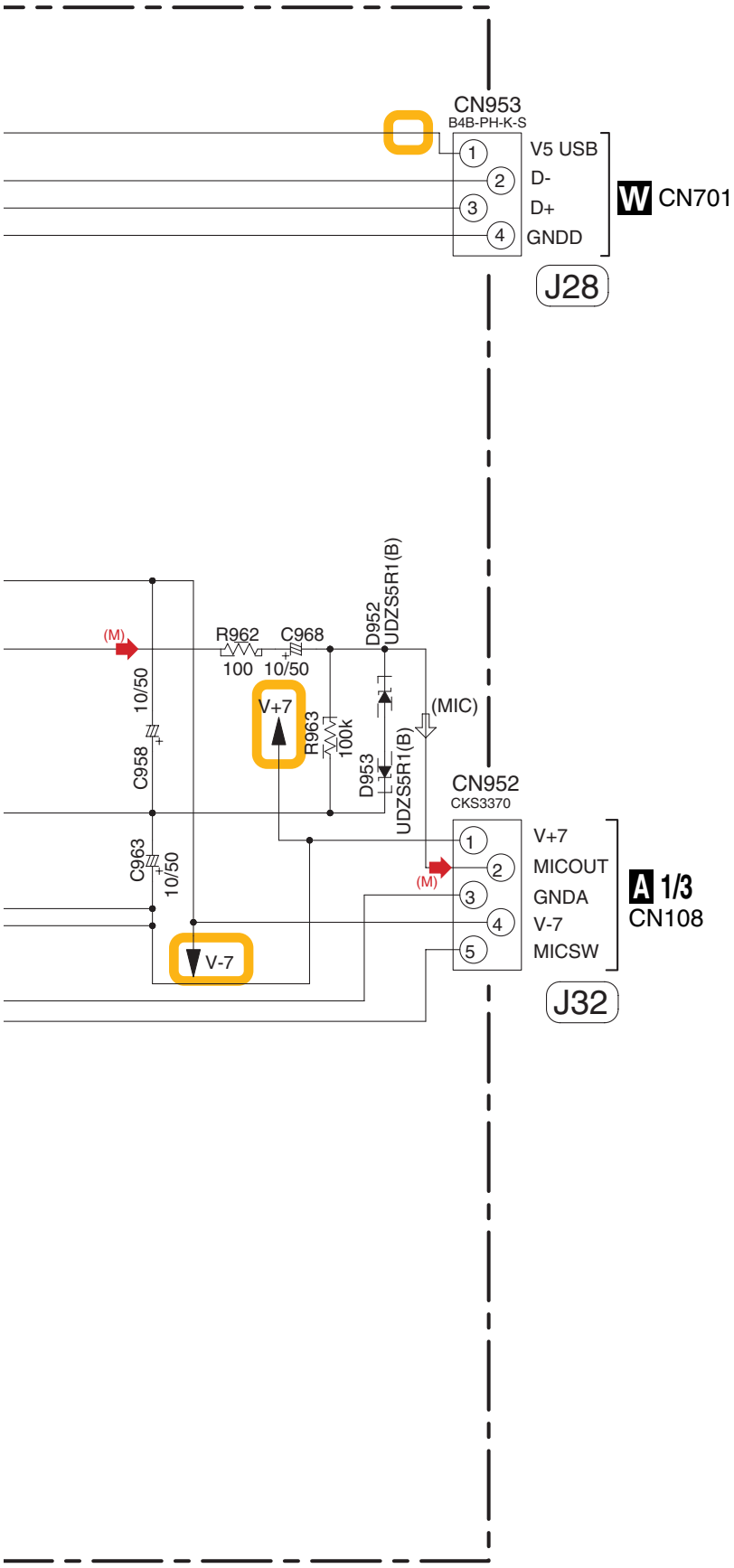

MAIN
C 2/2
CN812
CN702
XKP3078
ROUT
GNDA
LOUT
V+5D
XRST
GNDD
USCLK
GNDD
USCS
USDAI
USDAO
HREQ
TREQ
CTL
XFLAG
IC781
AK4387ET
MCLK
BCLK
DATA
LRCK
RSTN
DACS
DAC_SCK
DAC_SD
DZF
DVDD
AVDD
VSS
VCOM
AOUTL
AOUTR
NC
DAC
XMUTE
Q782
DTC114YUA
Q783
2SA1576A(RS)
Q784
IMX9
LRCK
BCLK
OE
WE
RSTN
SDCKE
USBH_D-
USBH_D+
FLCS
SDCS
SDCLK
V3D
R702
47k
R701
STBY
R780
STBY
GNDD1
GNDA0
GNDD0
STBY
1.8VReg.
V+1R8
IC702
MM1561JF
Vo
NC
GND
Cn
Vin
Sub
Cont
V+3R3
3.3VReg.
IC703
BD7802FP
OUT
IN
for BOOT MODE
GNDD2
P075
P076
P077
P078
V+3R3
V+5D
IC953
TC74VHC08FTS1
(SN74AHC08PW)
5V -> 3V
level shifter
for XM
IC951
TC74VHCT08AFTS1
(SN74AHCT08PW)
3V -> 5V
level shifter
for XM
VCC
GND
XRST1
XRST
HREQ1
HREQ
USCLK1
USCLK
Chip Size
RESISTOR
: 2125 Size
RS1/10S~
: 1608 Size
RS1/16S~
CAPACITOR
: 2125Size
CKSQ**~
: 1608 Size
CCSR**~
CKSR**~
ELECTRIC CAPS
JQ : CEJQ***M**

3.16 USB IN ASSY

X USB IN ASSY (XWK3247)



(M) : Audio Signal Route (Mic ch)



NOTE

1.RESISTORS

Unit: k-kΩ, M-MΩ or Ω unless otherwise noted.
Rated power: 1/16W unless otherwise noted.
Tolerance: (J) ±5% unless otherwise noted.

2.CAPACITORS

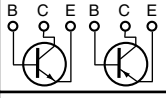
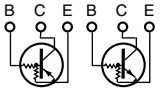
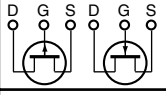
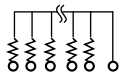
Unit: p-pF or µF unless otherwise noted.
Ratings: Capacity(µF)/Voltage(V) unless otherwise noted.
Rated Voltage: 50V expect for electrolytic capacitors.

X

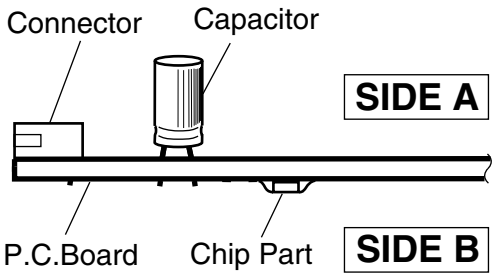
4. PCB CONNECTION DIAGRAM

NOTE FOR PCB DIAGRAMS :

1. Part numbers in PCB diagrams match those in the schematic diagrams.
2. A comparison between the main parts of PCB and schematic diagrams is shown below.

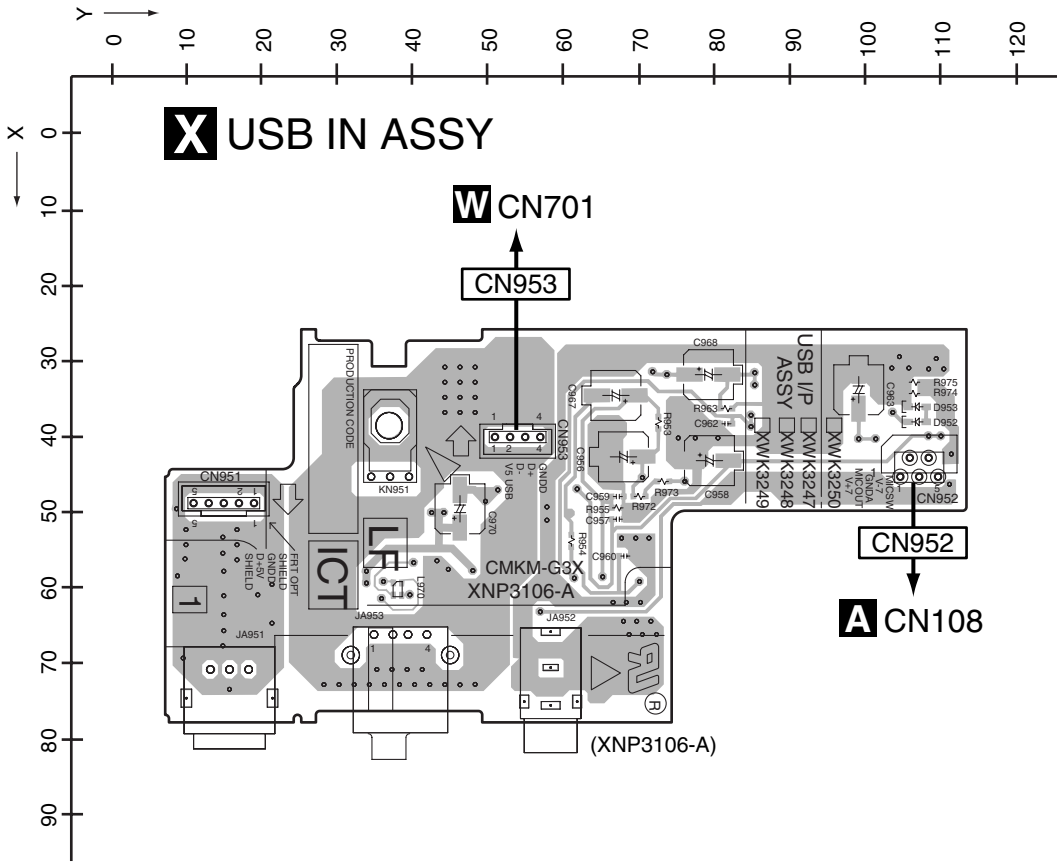
Symbol In PCB Diagrams	Symbol In Schematic Diagrams	Part Name
		Transistor
		Transistor with resistor
		Field effect transistor
		Resistor array
		3-terminal regulator

3. 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.
4. View point of PCB diagrams.

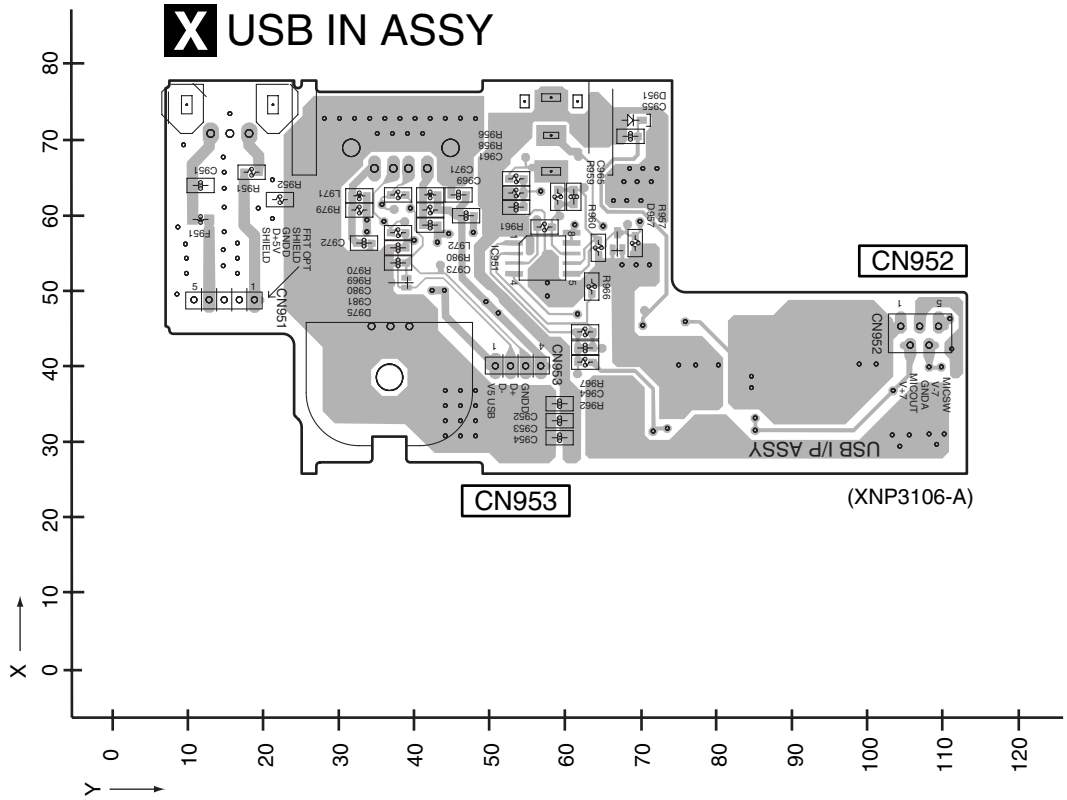


4.1 USB IN ASSY

SIDE A

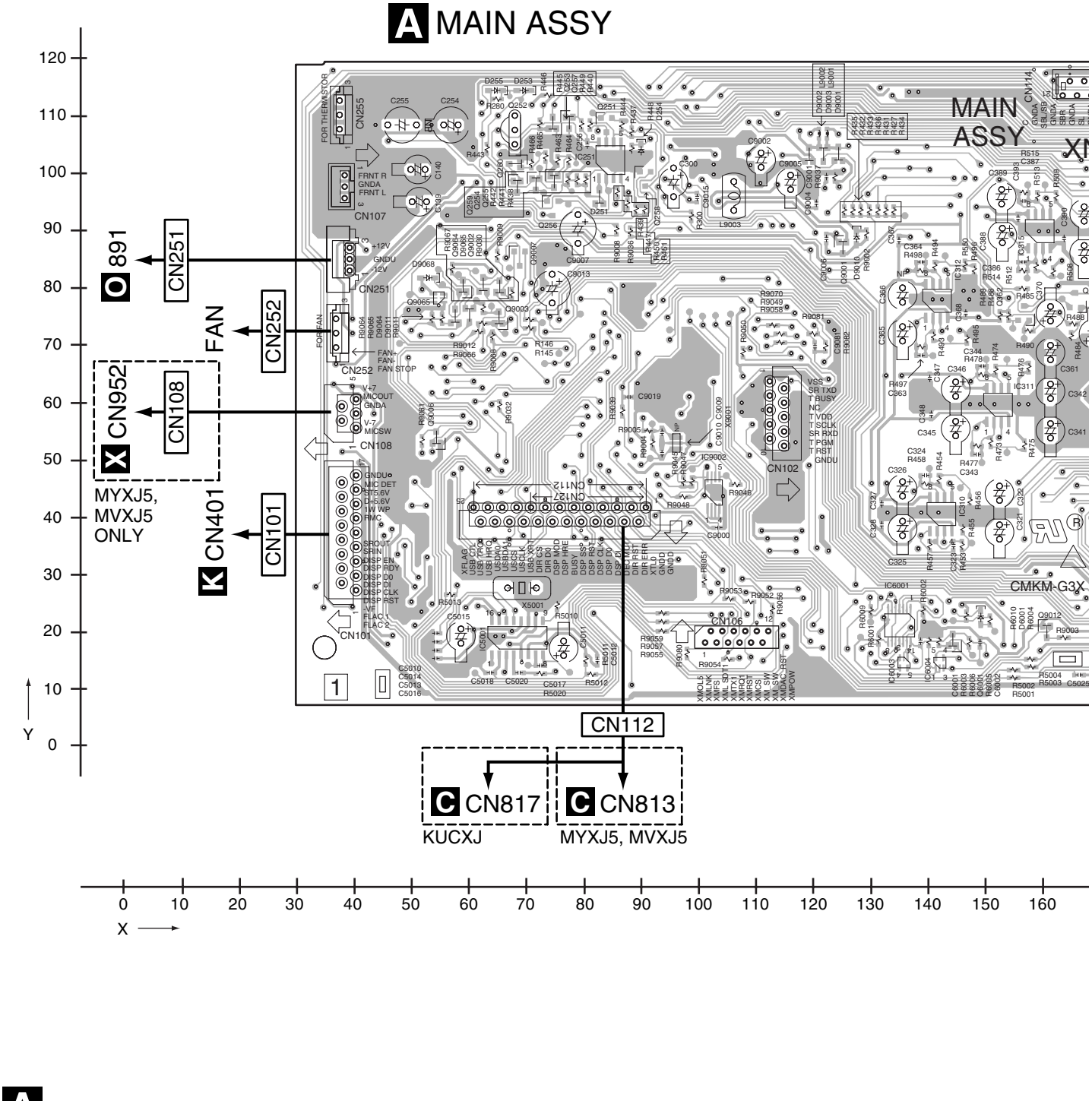


SIDE B

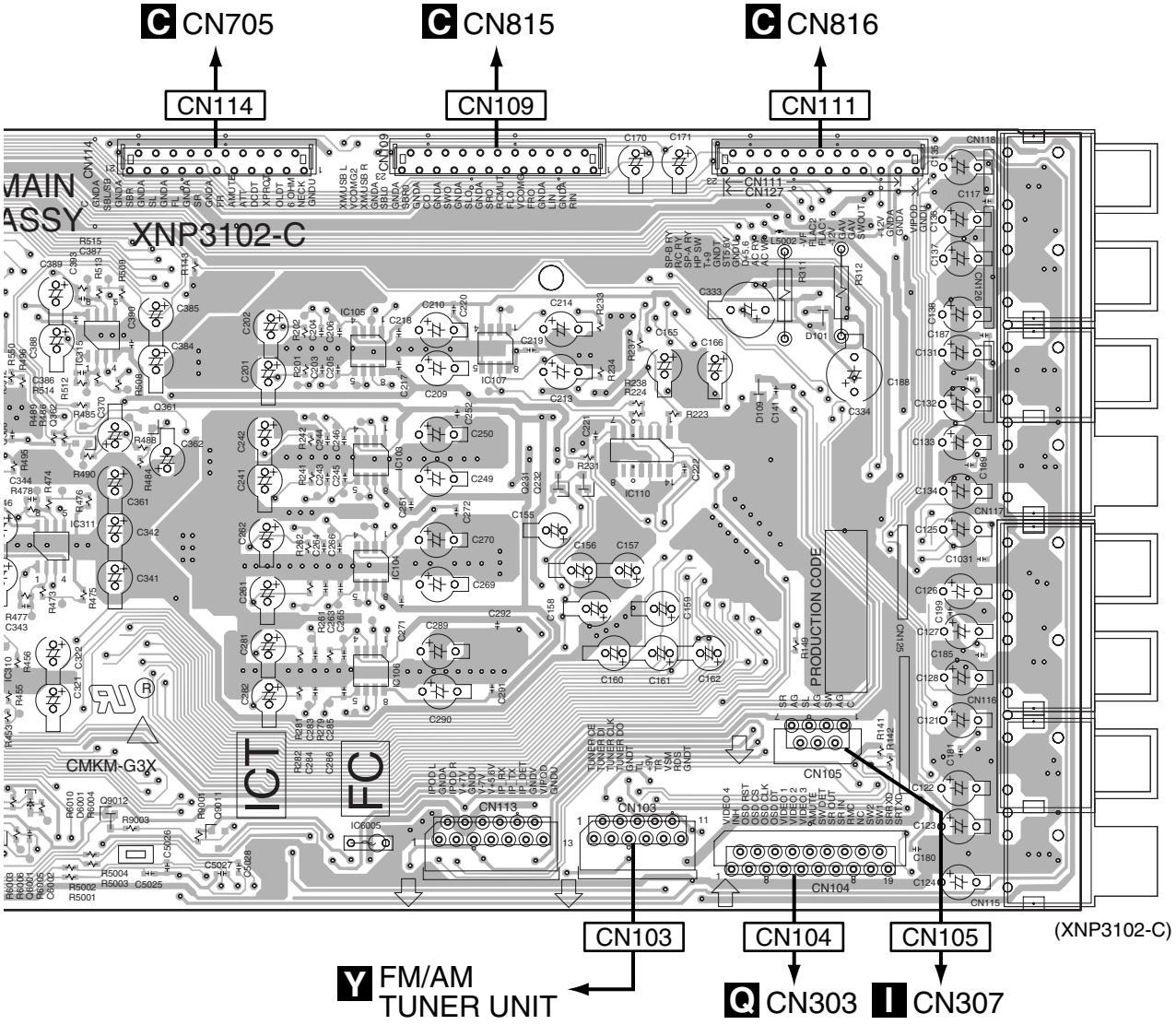


4.2 MAIN ASSY

SIDE A

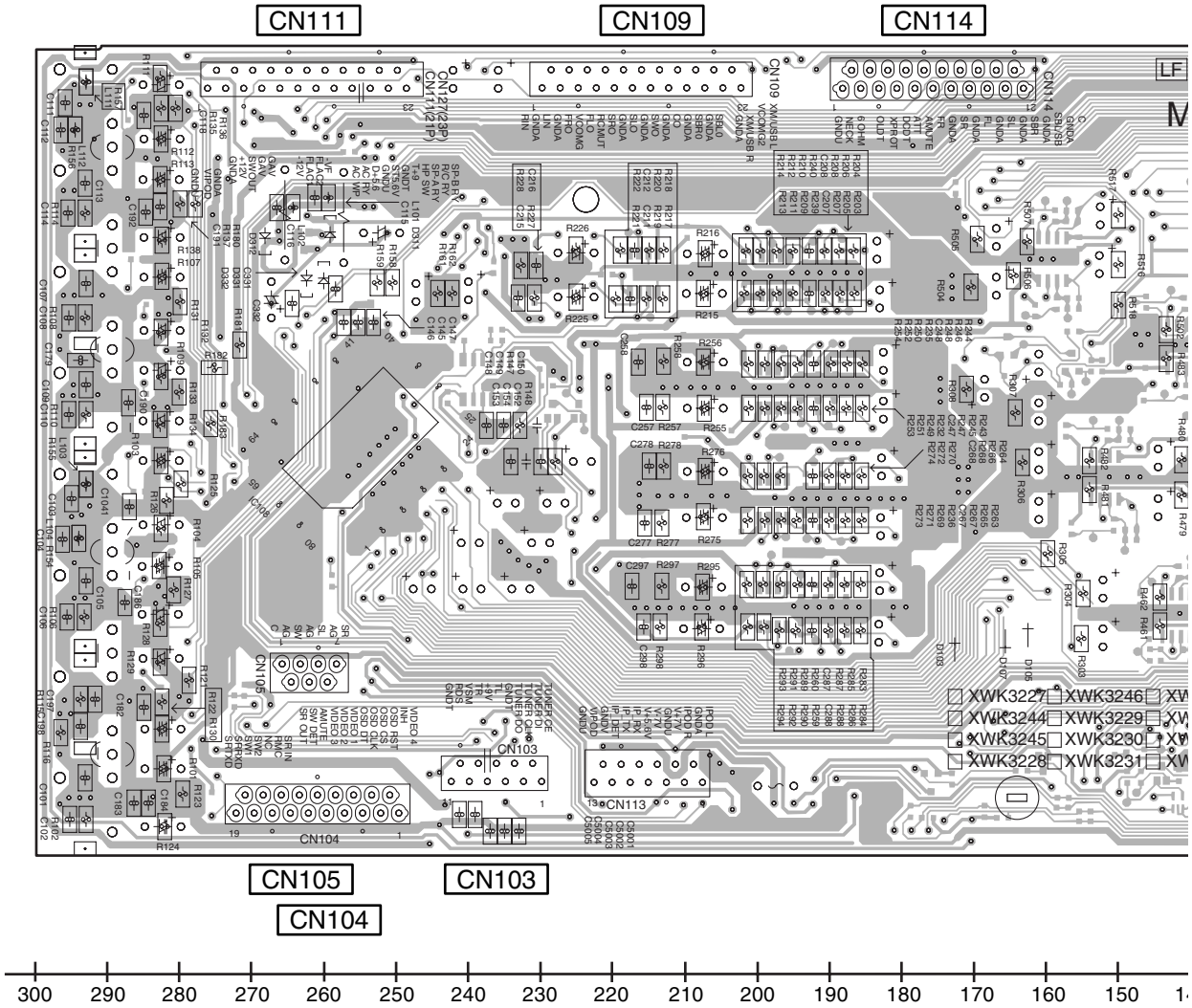


SIDE A

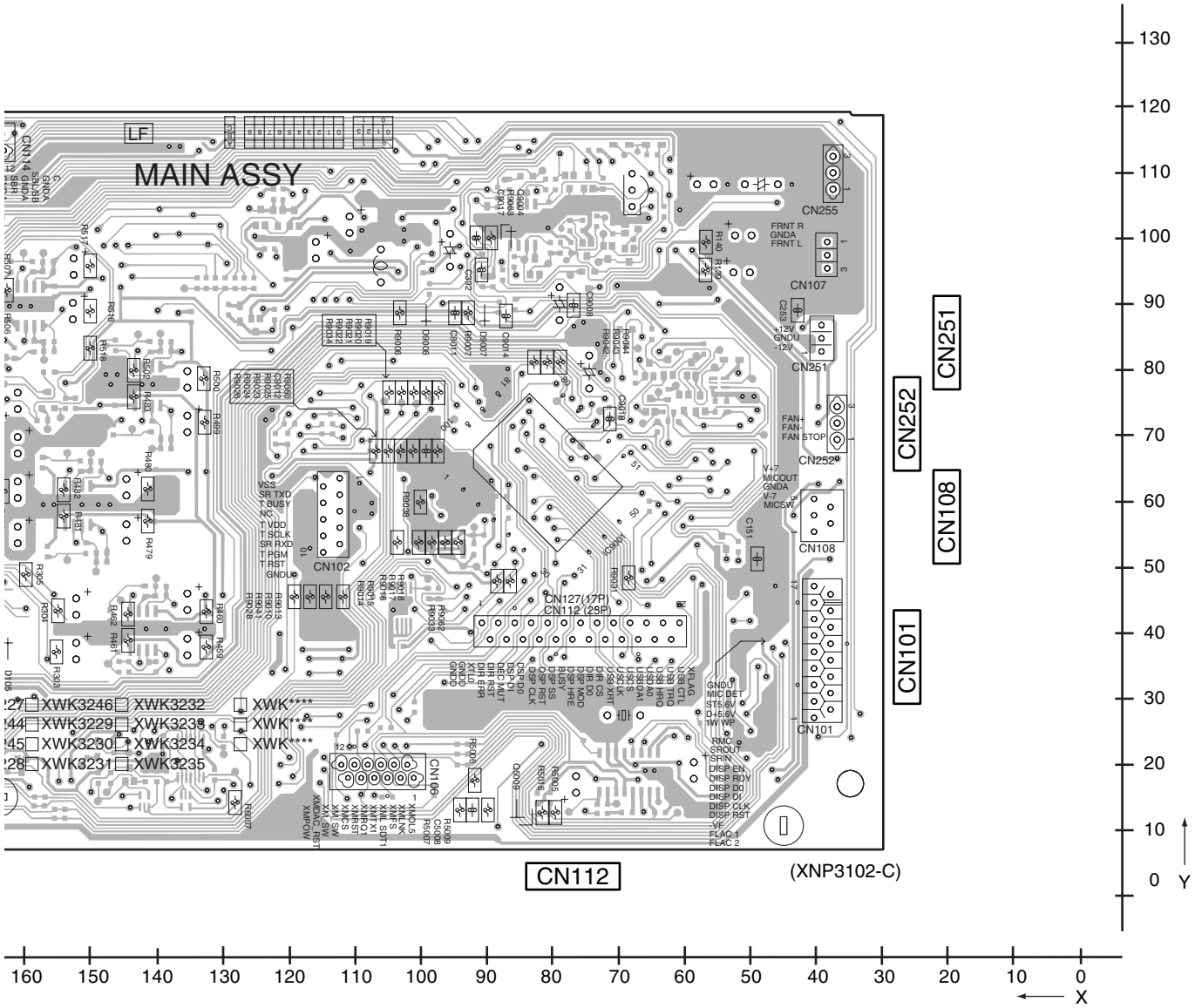

C CN705
C CN815
C CN816
CN114
CN109
CN111
MAIN ASSY
XNP3102-C
CMKM-G3X
CN103
CN104
CN105
(XNP3102-C)
Y FM/AM TUNER UNIT
Q CN303
I CN307

SIDE B

A MAIN ASSY

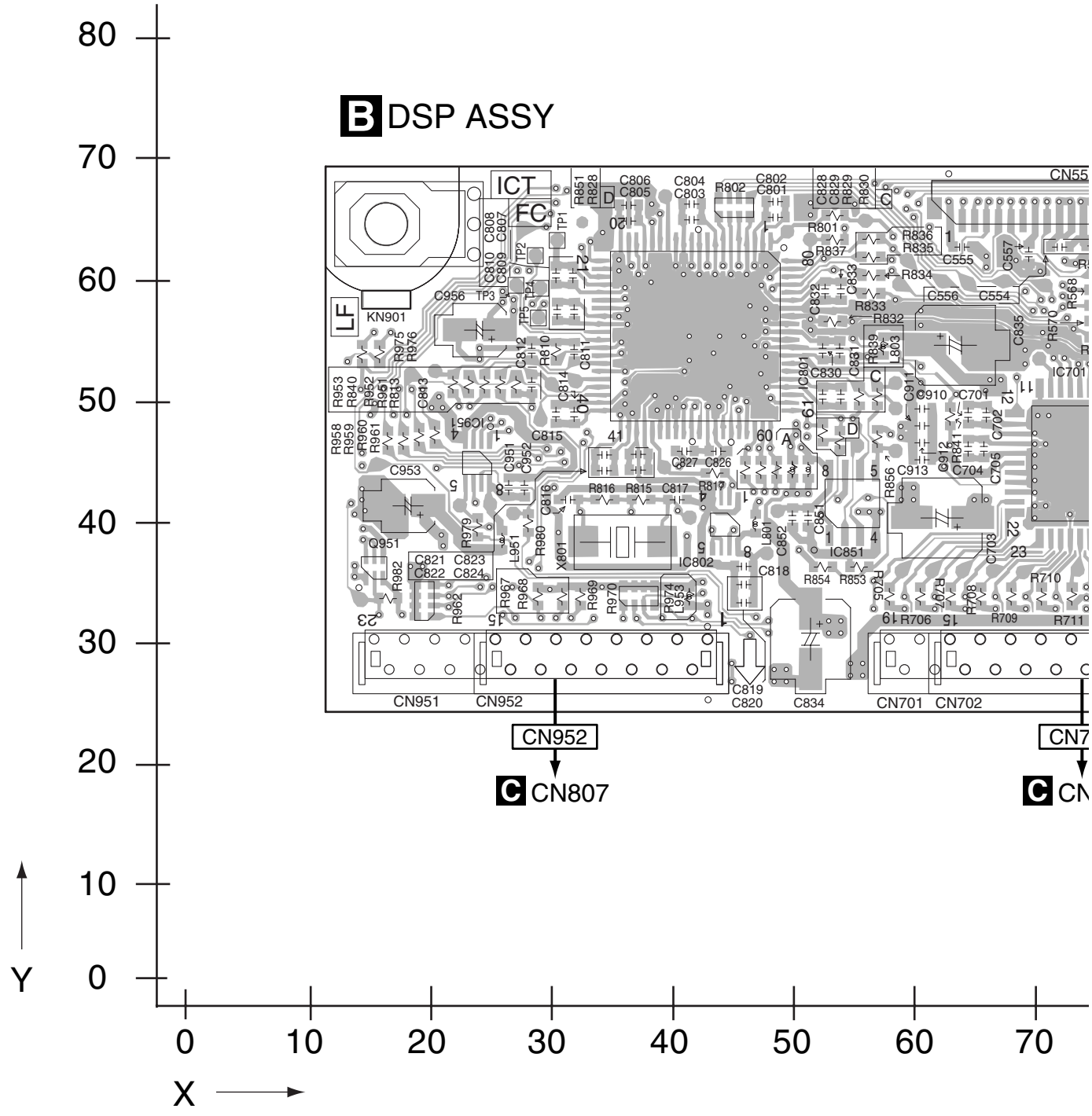


SIDE B


MAIN ASSY
LF
CN112
(XNP3102-C)
CN255
CN107
CN251
CN252
CN108
CN101
CN102
CN127(17P)
CN112 (25P)
XWK3246 XWK3232 XWK****
XWK3229 XWK3233 XWK****
XWK3230 XWK3234 XWK****
XWK3231 XWK3235
130 120 110 100 90 80 70 60 50 40 30 20 10 0 Y
160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 X

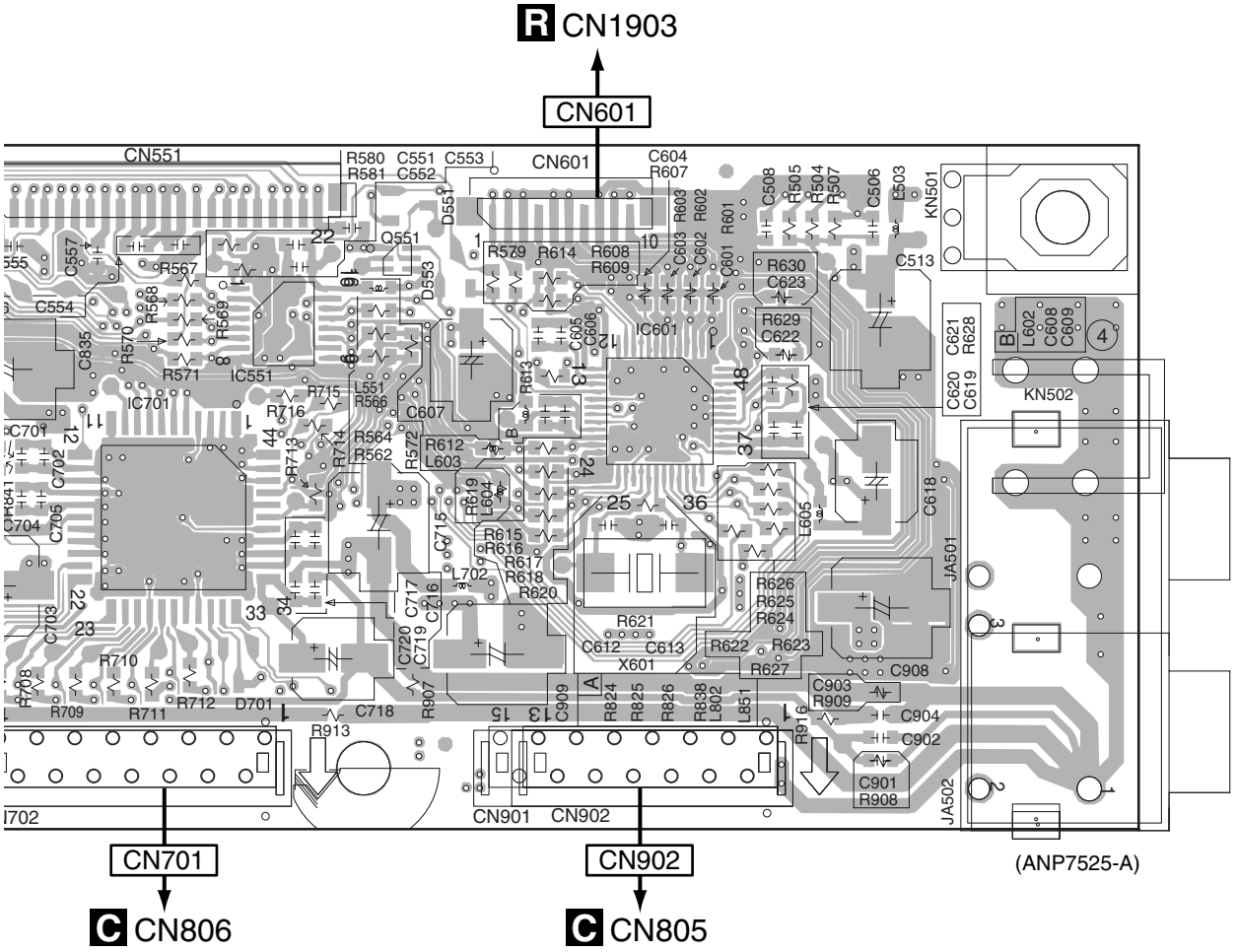
4.3 DSP ASSY

SIDE A



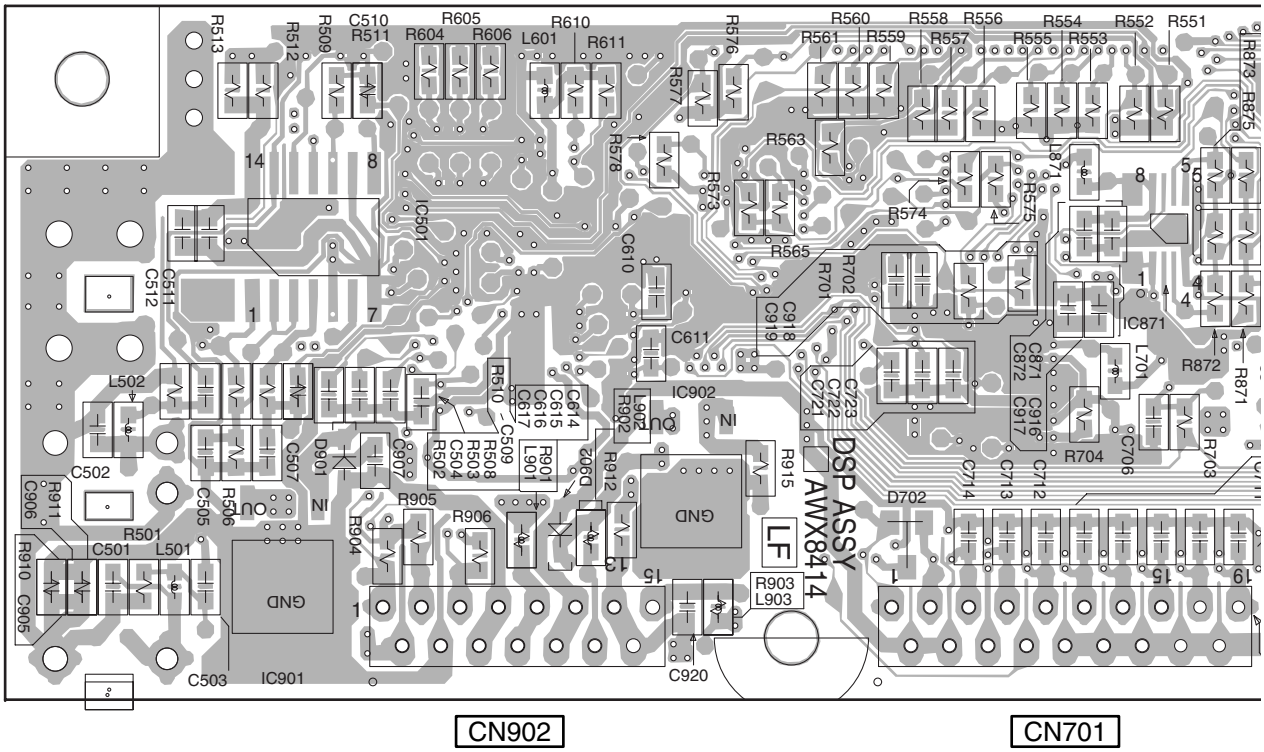
B

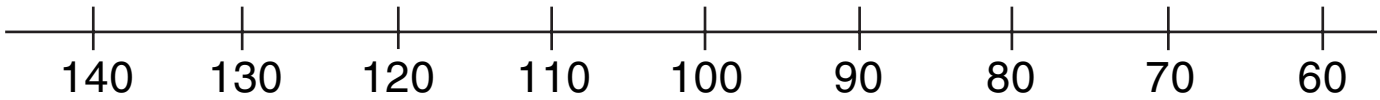
SIDE A


R CN1903
CN601
CN551
CN601
CN701
CN902
C CN806
C CN805
CN901
CN902
KN501
KN502
JA501
JA502
IC551
IC601
IC701
Q551
X601
(ANP7525-A)

SIDE B

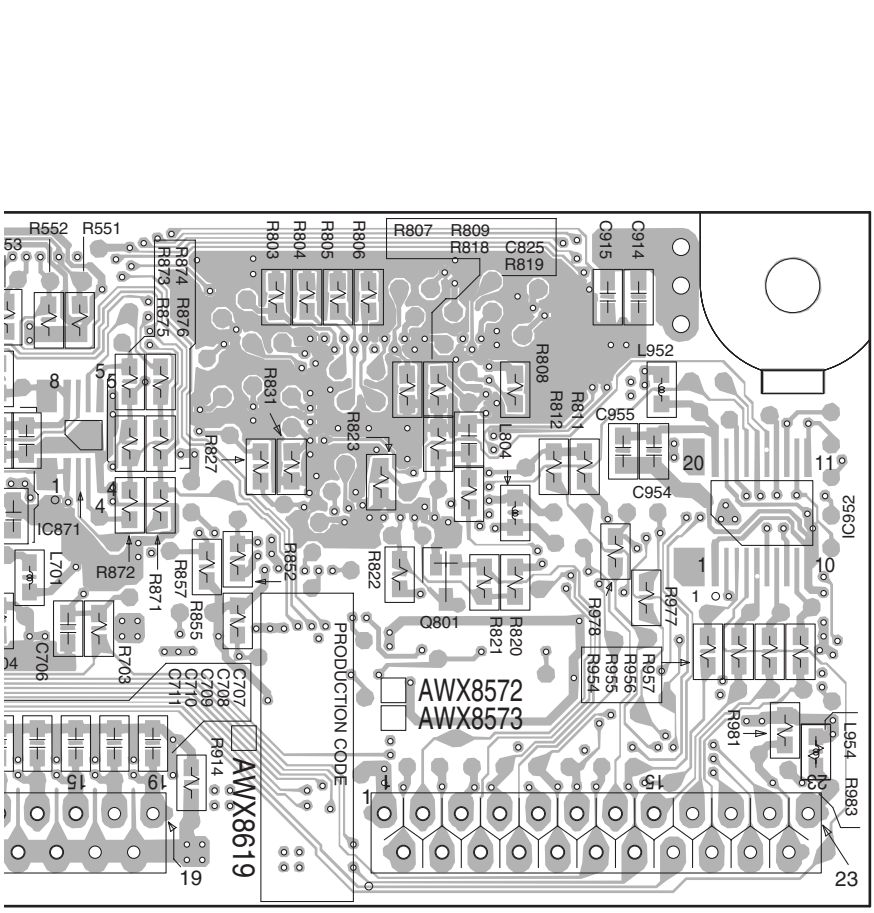
B DSP ASSY





B

SIDE B

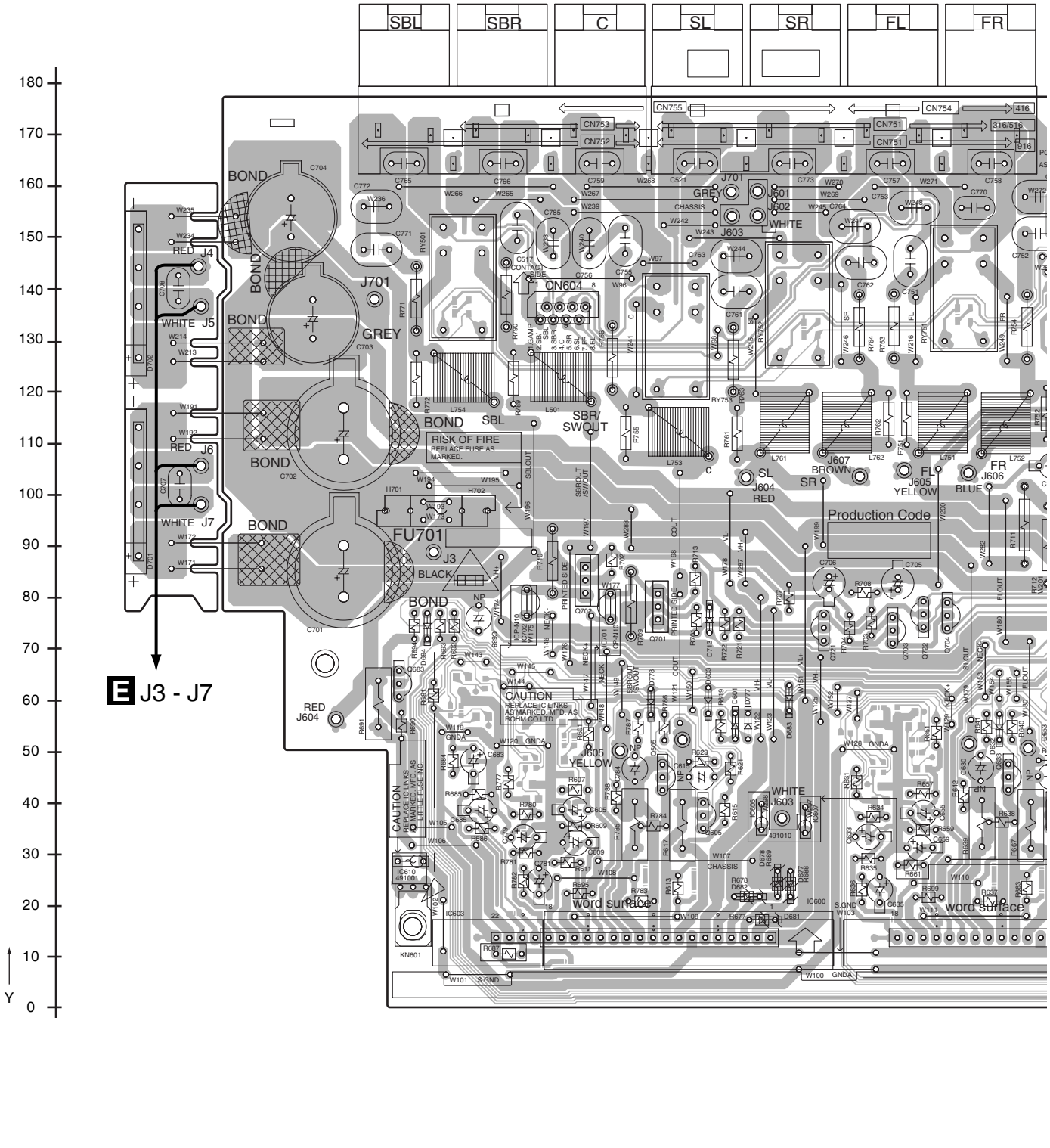


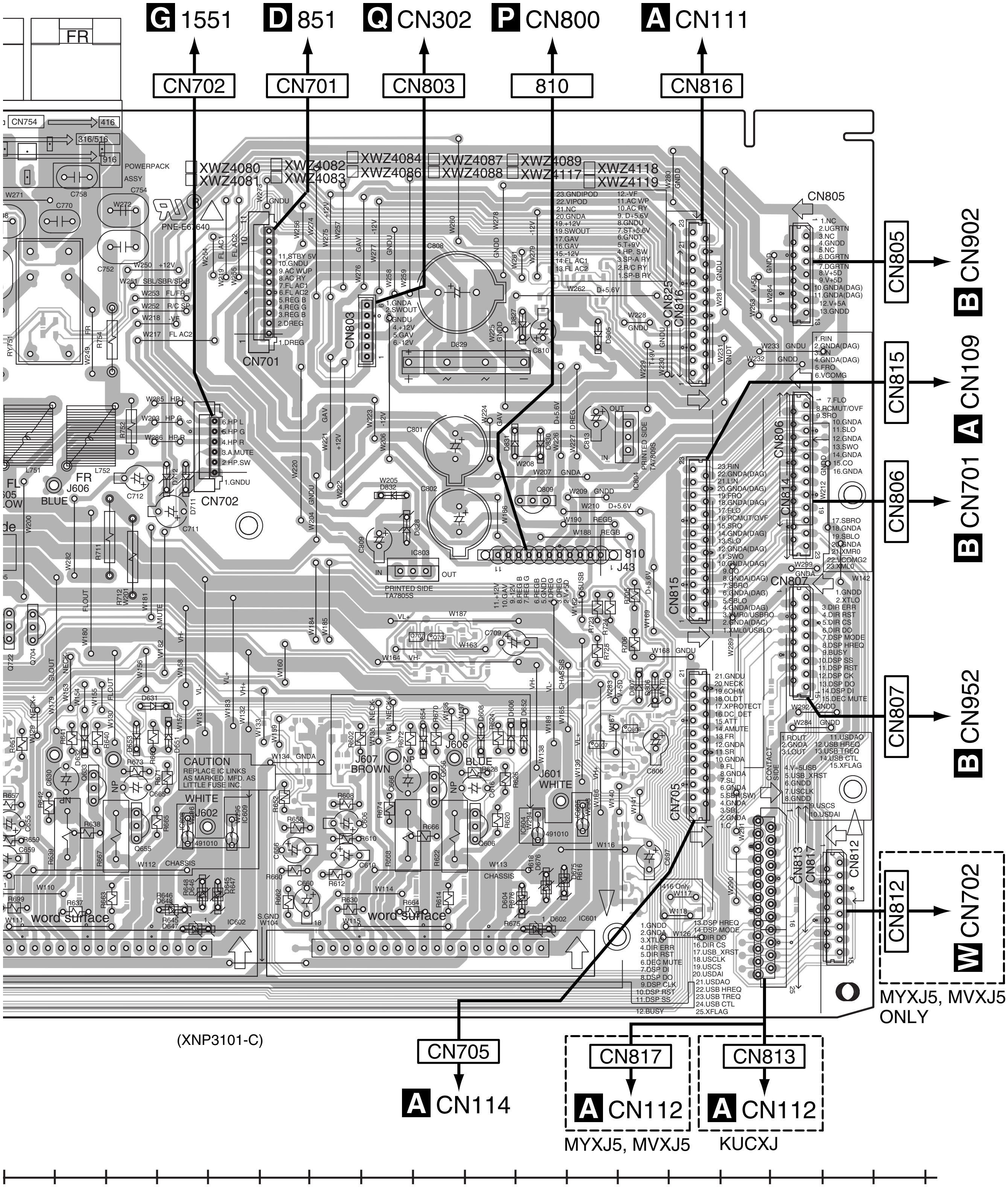
(ANP7525-A)

4.4 POWER PACK ASSY

SIDE A

C POWER PACK ASSY

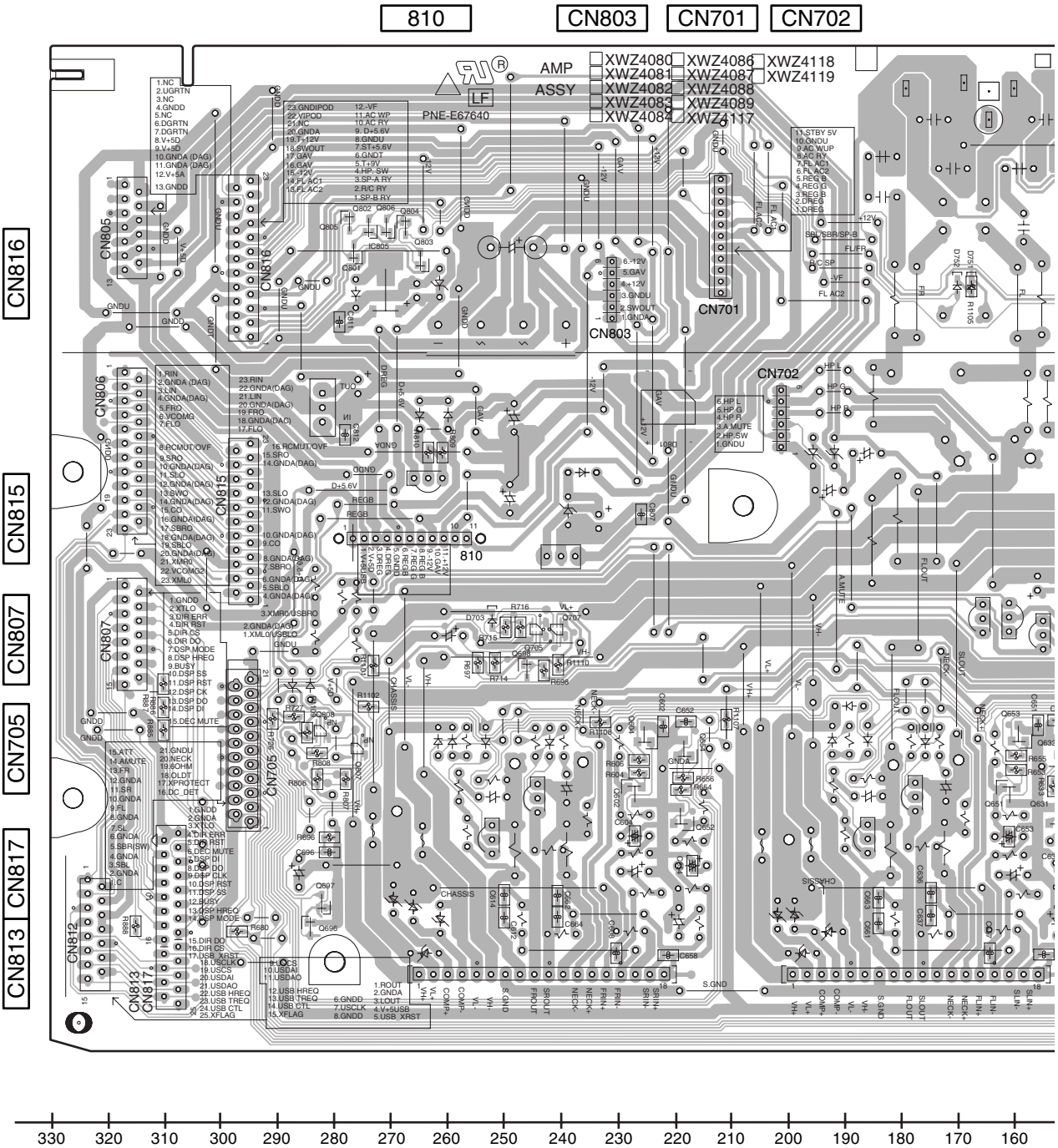



G 1551
D 851
Q CN302
P CN800
A CN111
CN702
CN701
CN803
810
CN816
CN805
B CN902
CN815
A CN109
CN806
B CN701
CN807
B CN952
CN812
W CN702
MYXJ5, MVXJ5 ONLY
CAUTION
REPLACE IC LINKS AS MARKED. MFD. AS LITTLE FUSE INC.
(XNP3101-C)
CN705
A CN114
CN817
A CN112
MYXJ5, MVXJ5
CN813
A CN112
KUCXJ

C

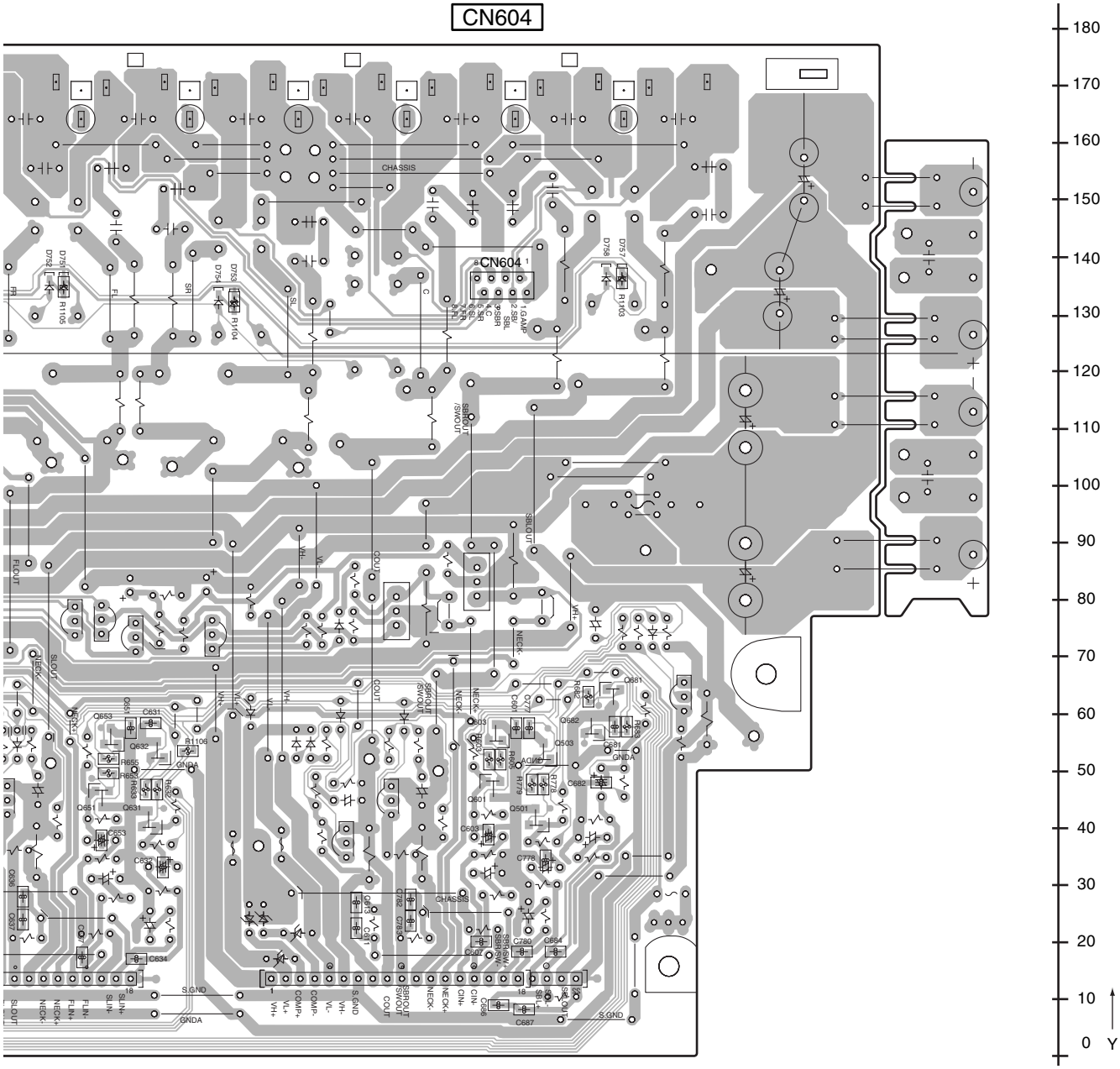
SIDE B

C POWER PACK ASSY



SIDE B

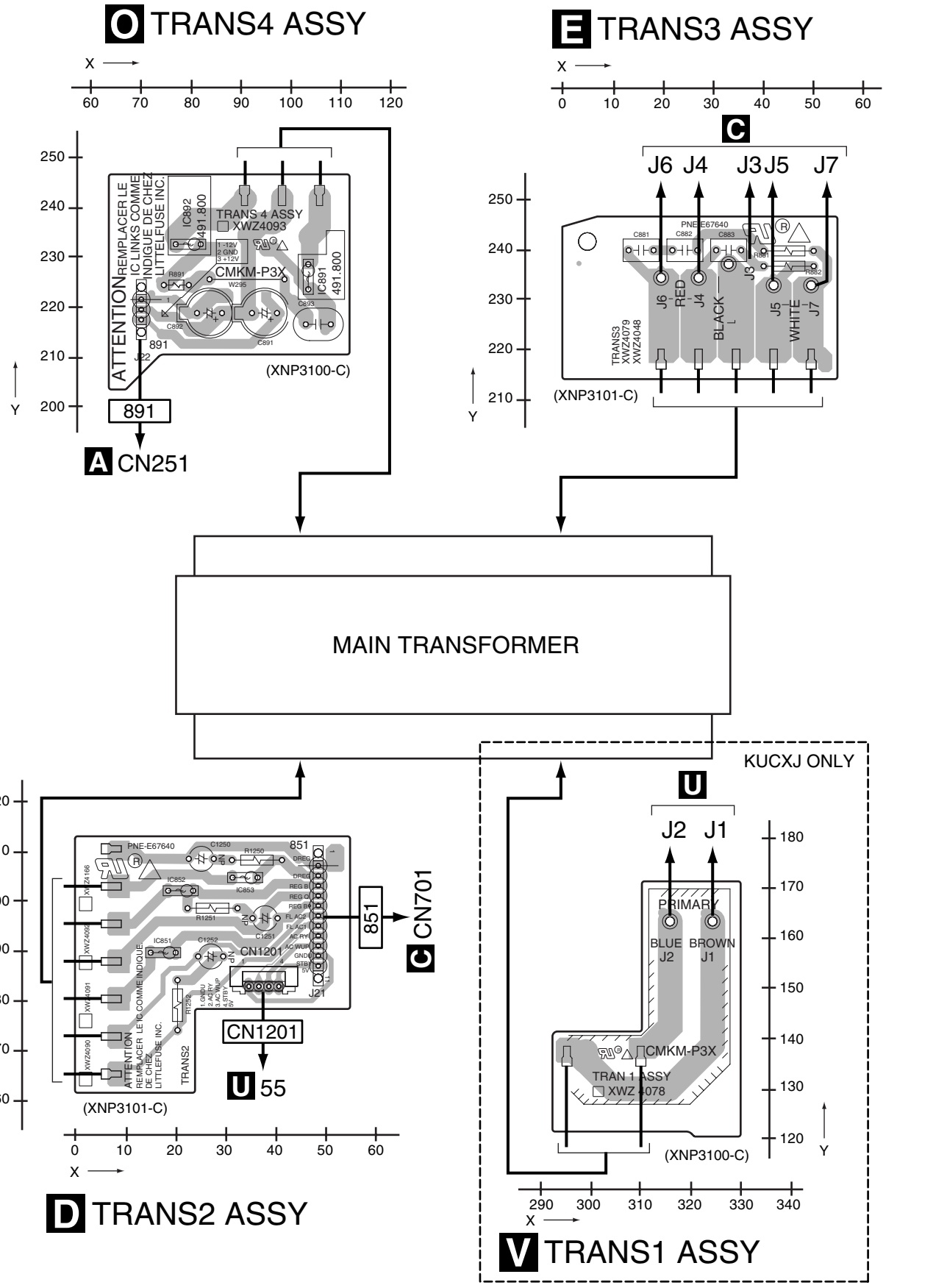
CN604



C

4.5 TRANS2, TRANS3, TRANS4 and TRANS1 ASSYS

SIDE A **SIDE A**

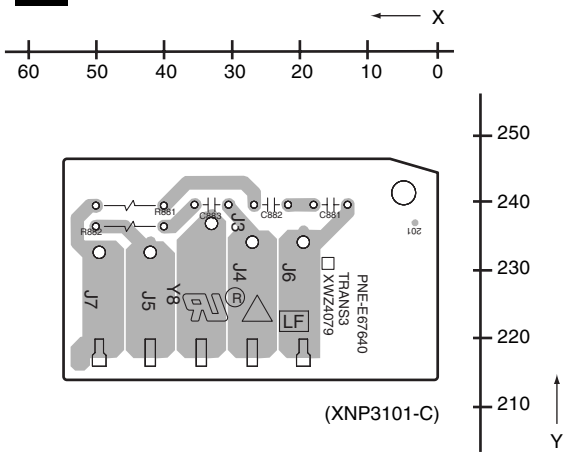


D E O V **D E O V**

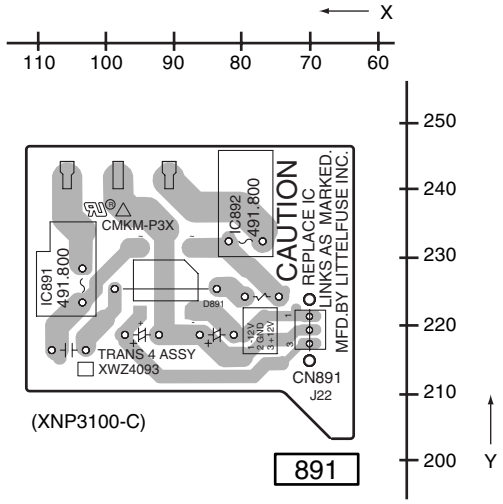
SIDE B

SIDE B

E TRANS3 ASSY

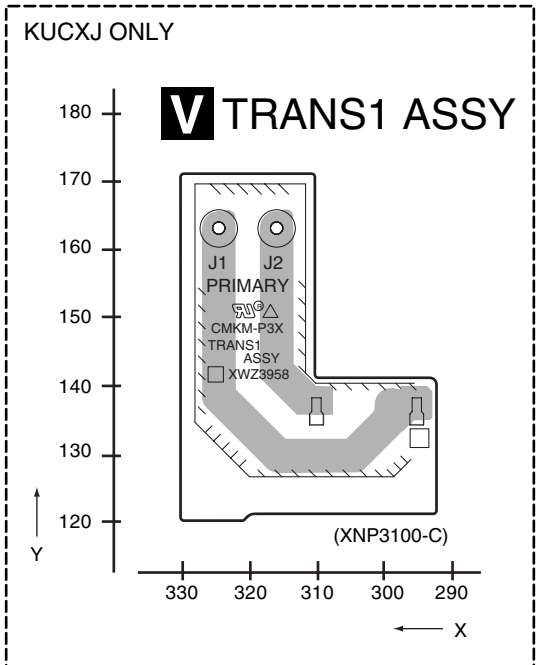


O TRANS4 ASSY

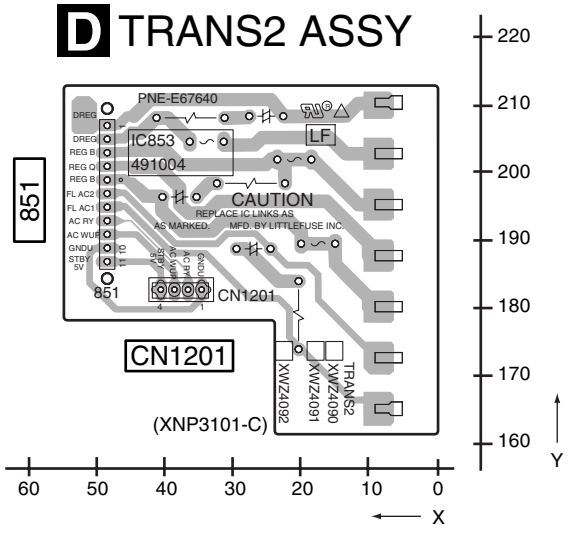


KUCXJ ONLY

V TRANS1 ASSY



D TRANS2 ASSY

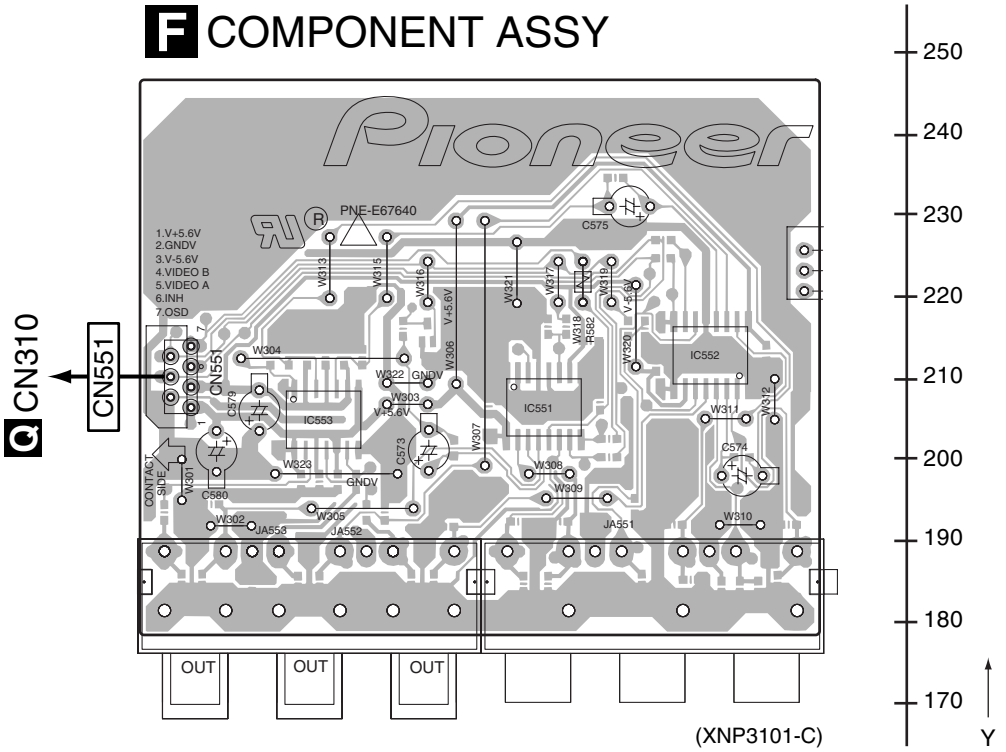


4.6 COMPONENT ASSY

SIDE A

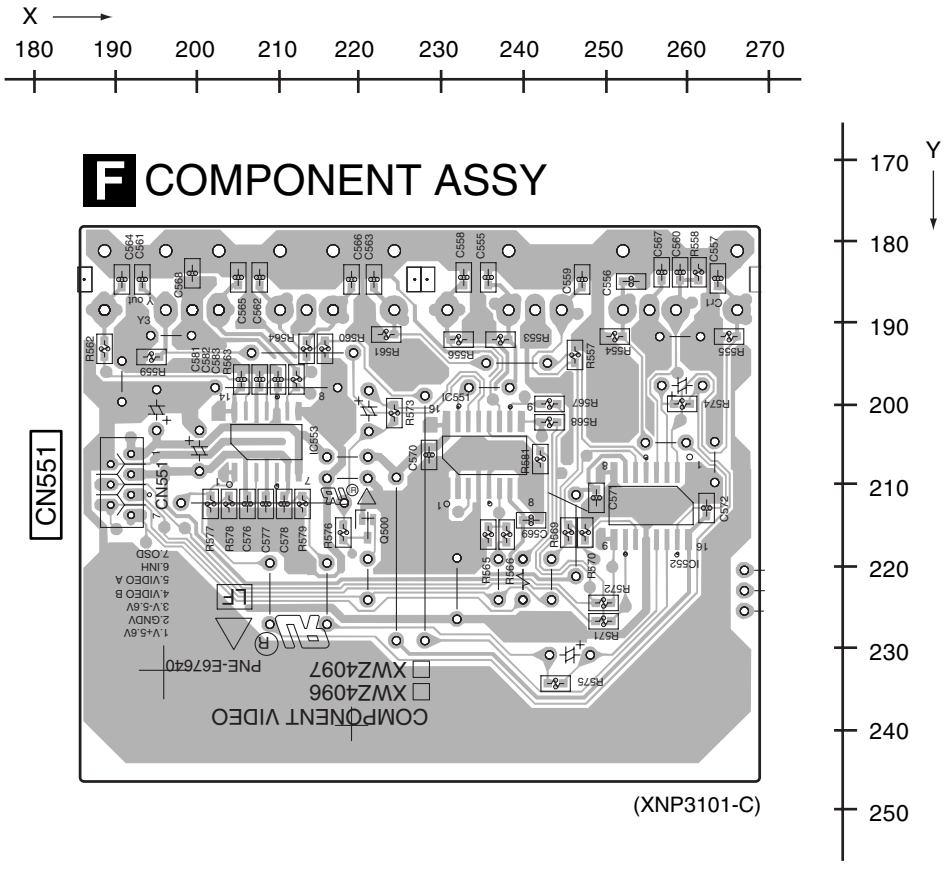
SIDE A

F COMPONENT ASSY



SIDE B

SIDE B

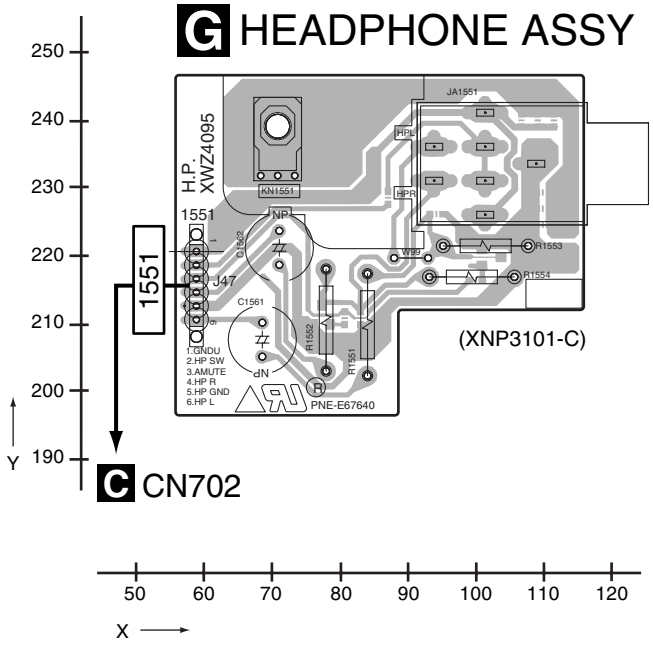


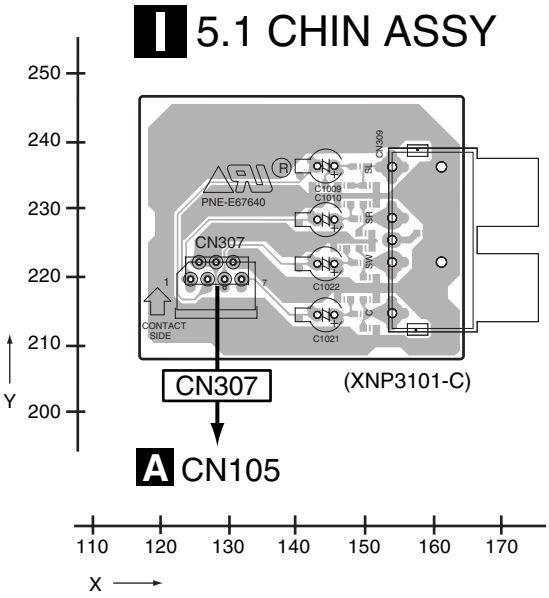
F

F

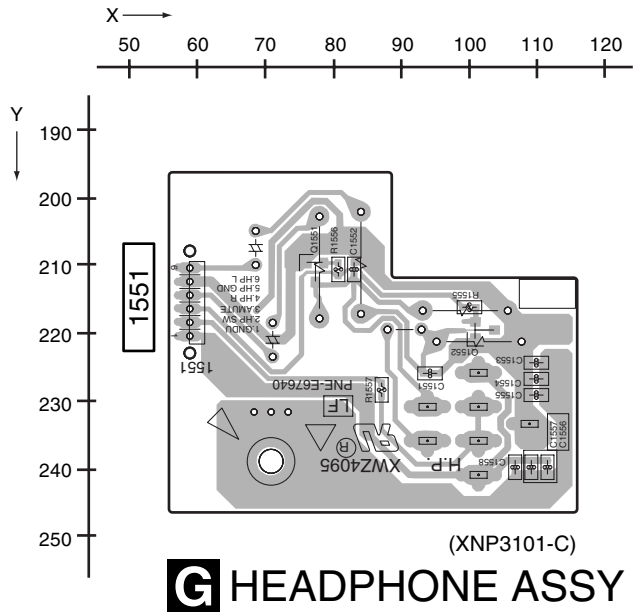
4.7 HEADPHONE and 5.1 CHIN ASSYS

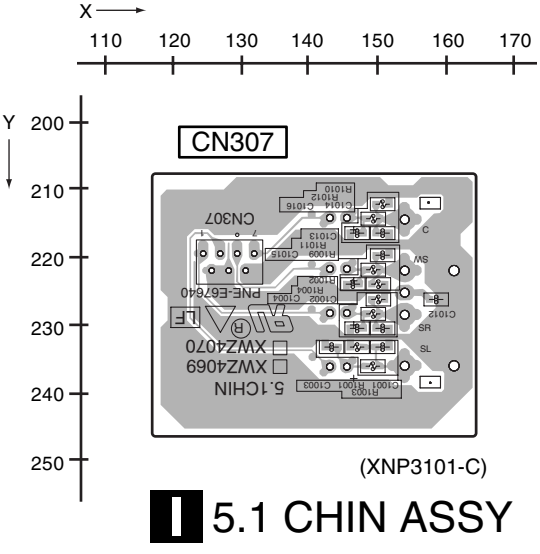
SIDE A





SIDE B



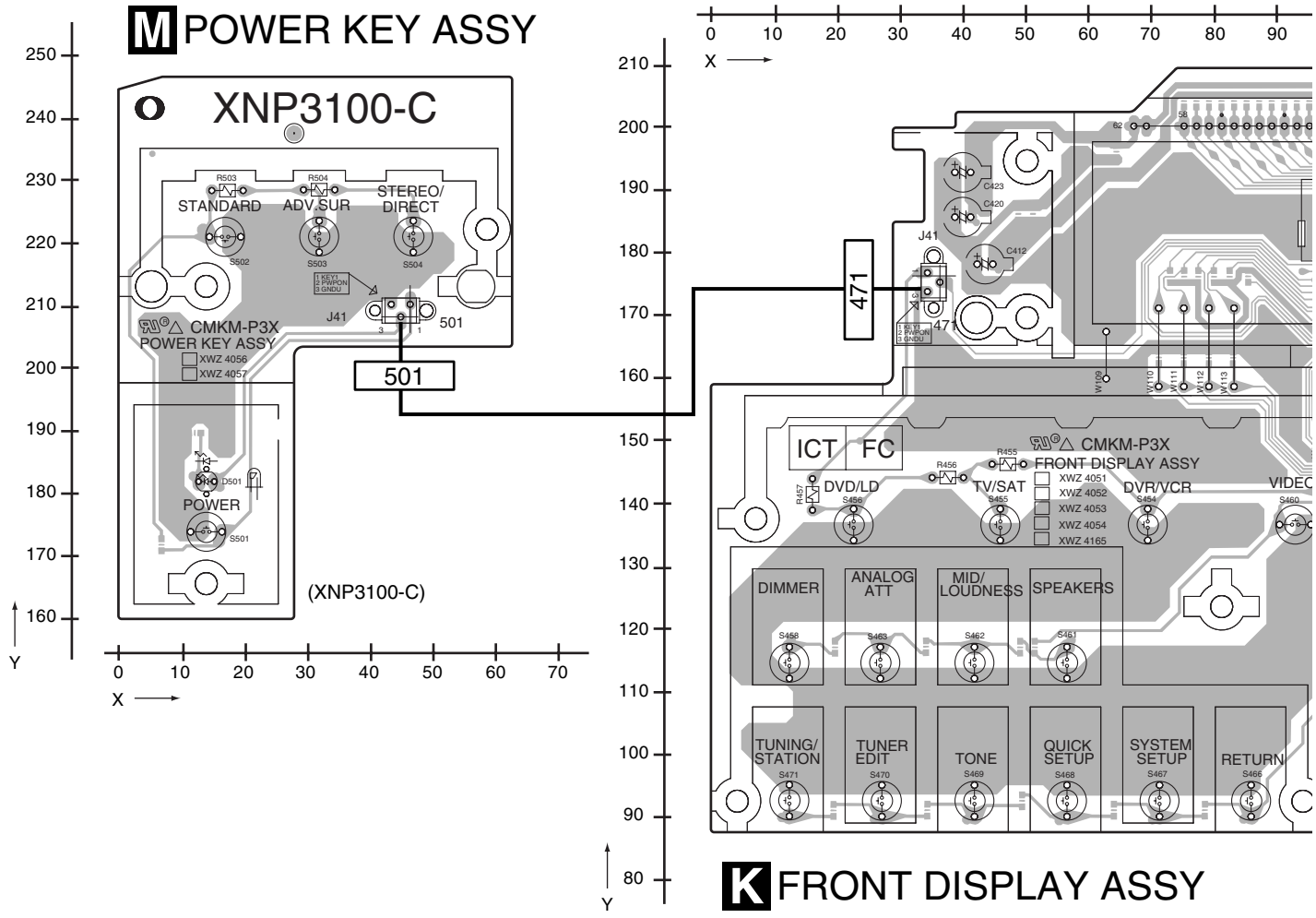


G I

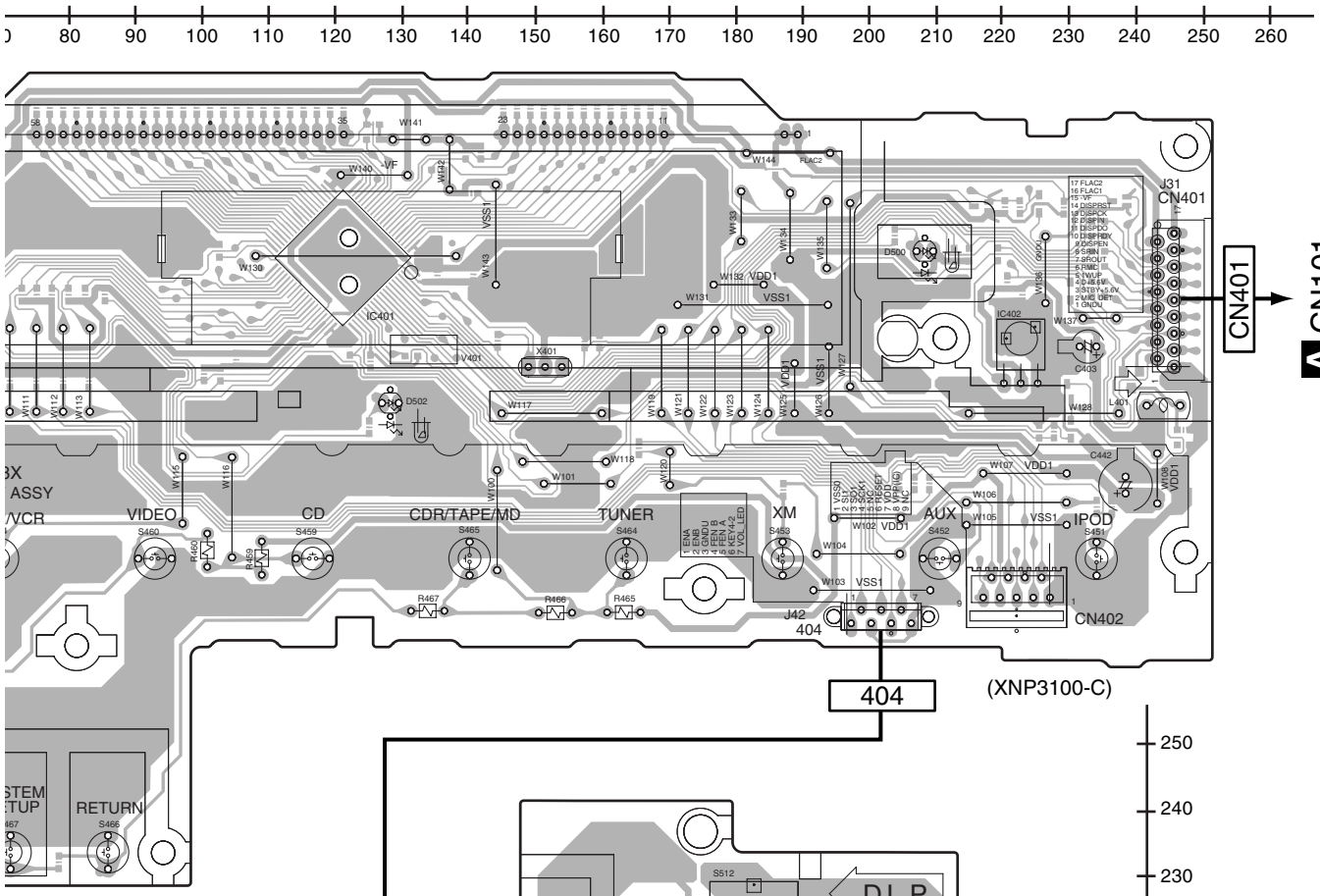
G I

4.8 FRONT DISPLY, R. ENCODER and POWER KEY ASSYS

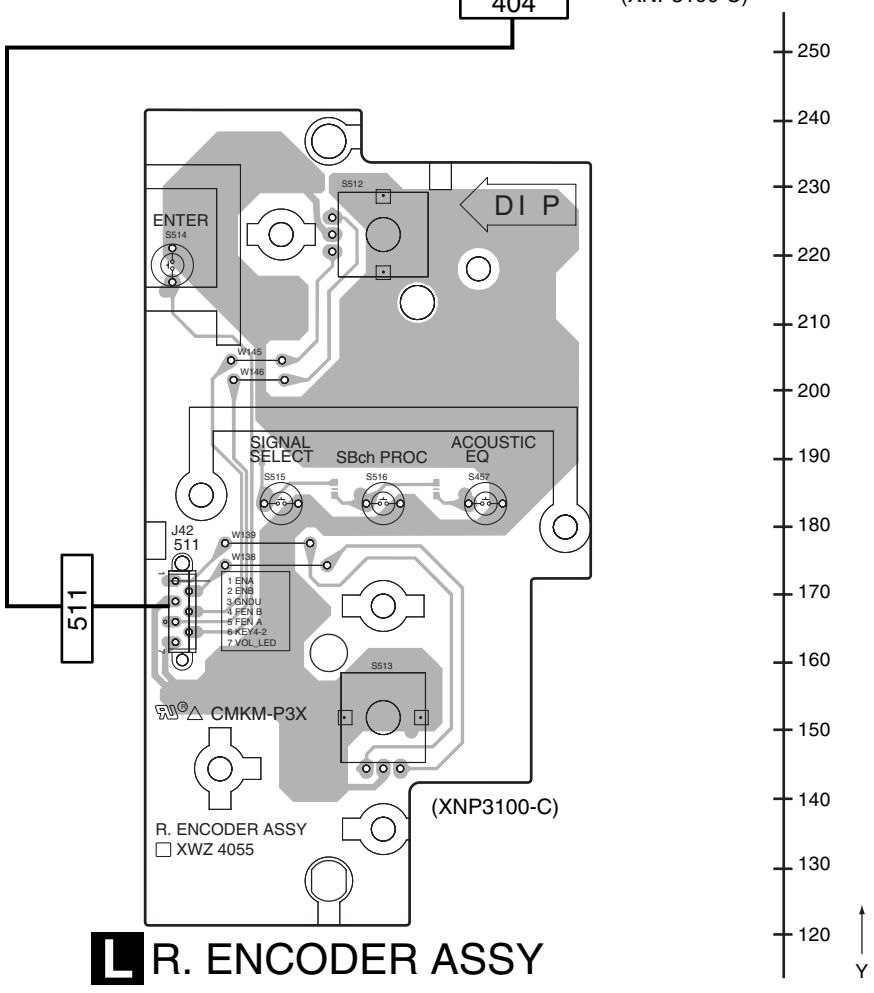
SIDE A



SIDE A



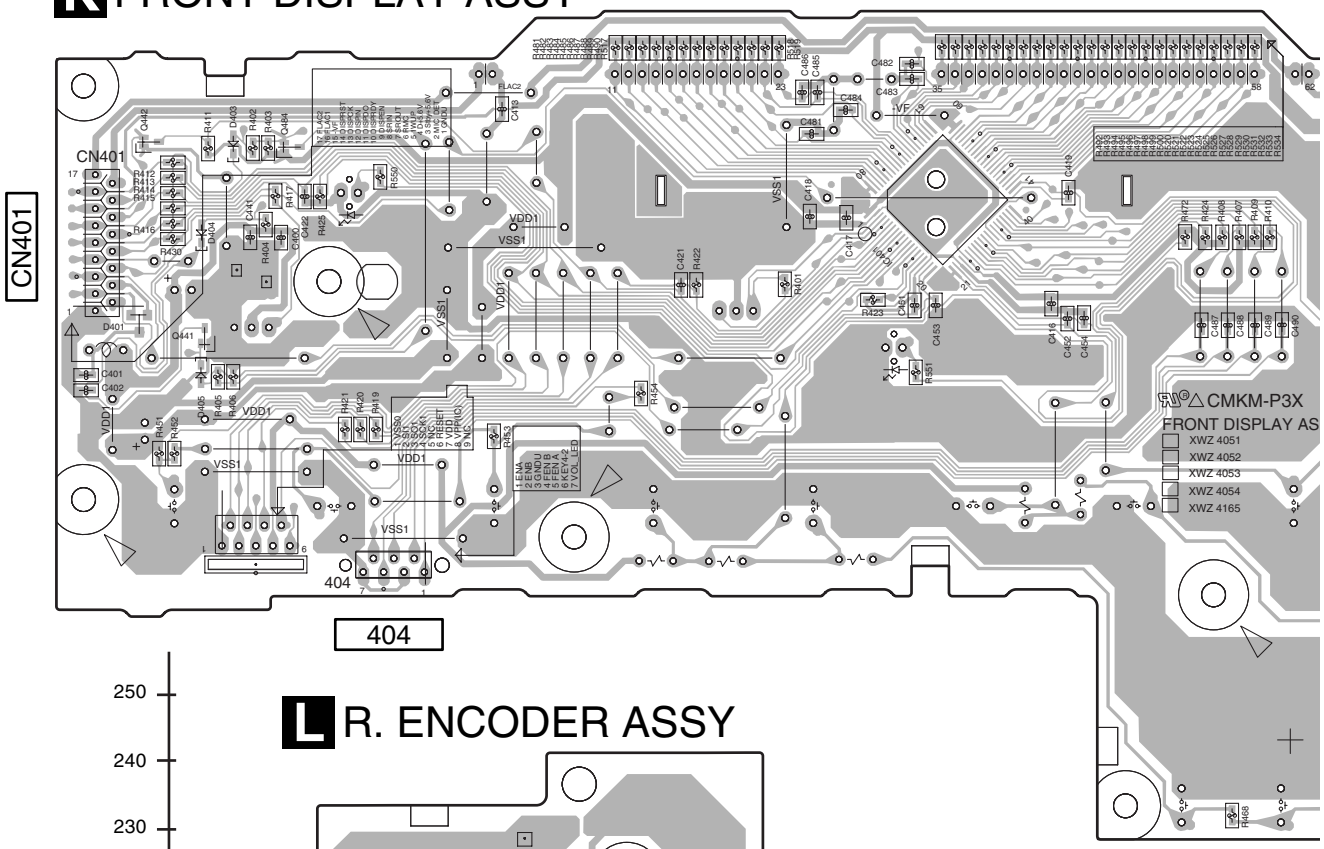
SY



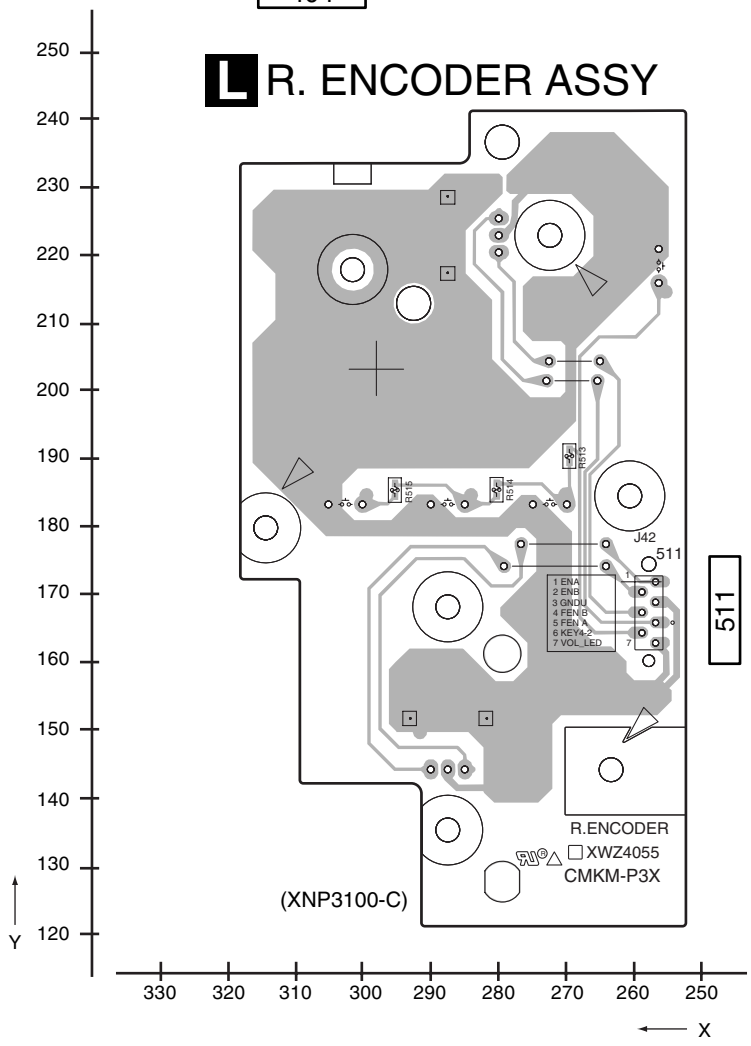
L R. ENCODER ASSY

SIDE B

K FRONT DISPLAY ASSY

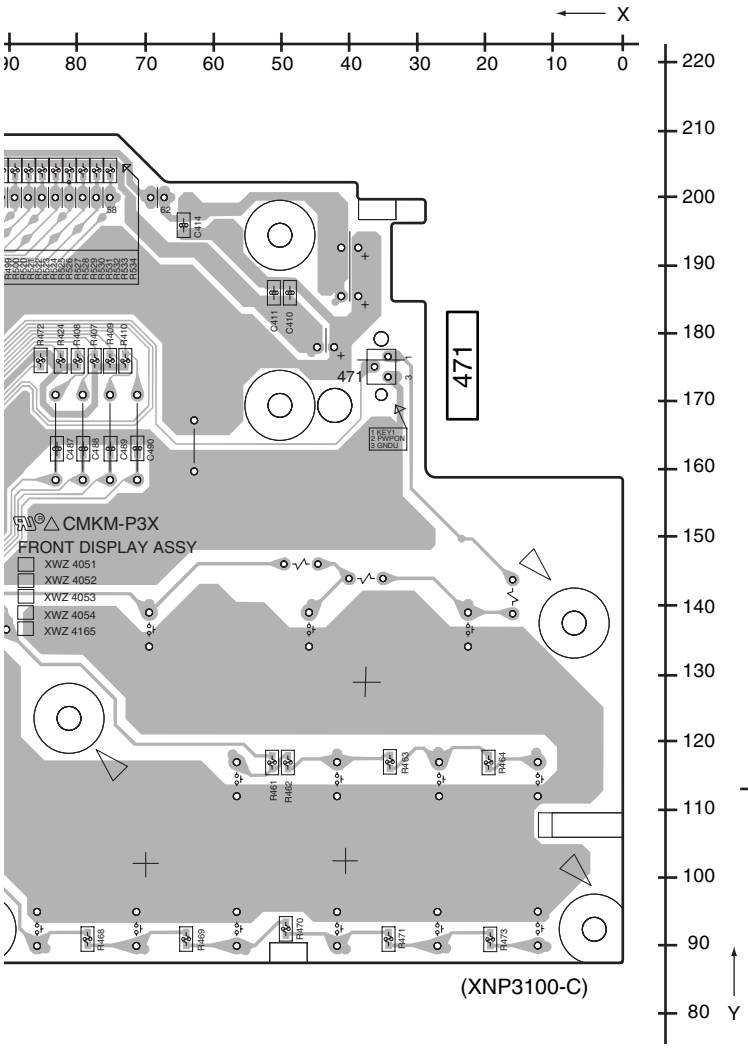


L R. ENCODER ASSY

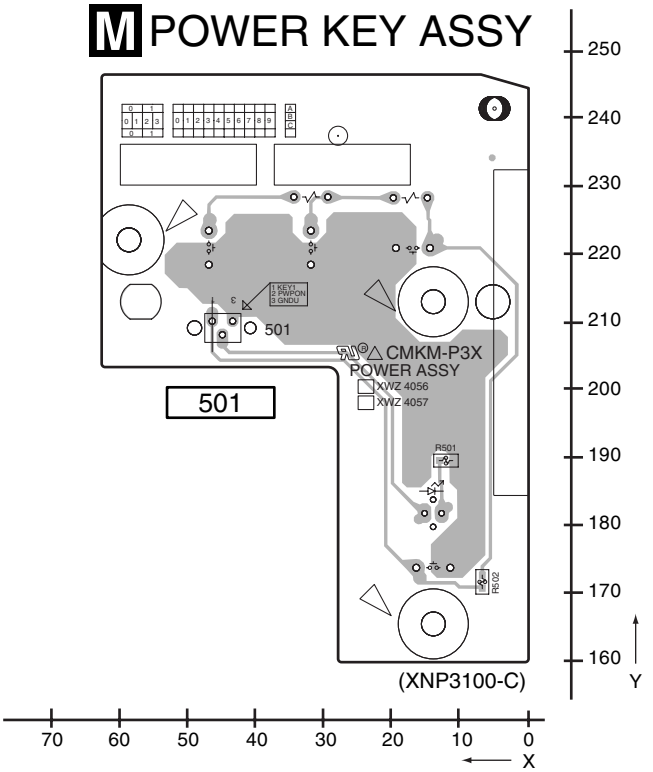


K L

SIDE B



M POWER KEY ASSY

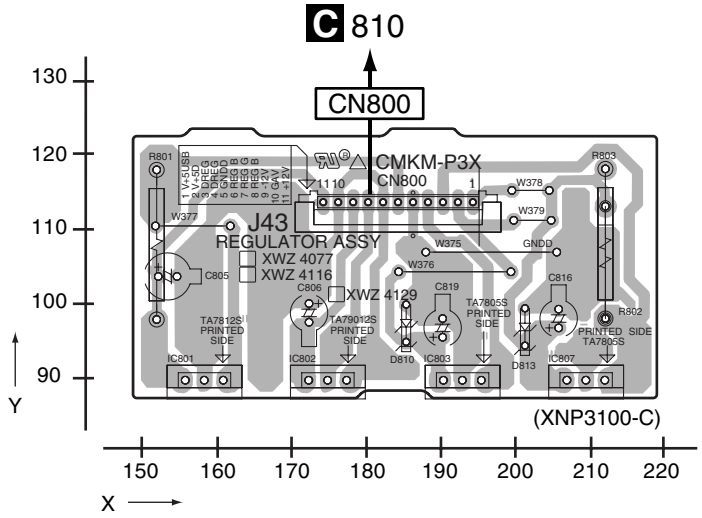


5 6 7 8

4.9 REGULATOR and DIGITAL IN ASSYS

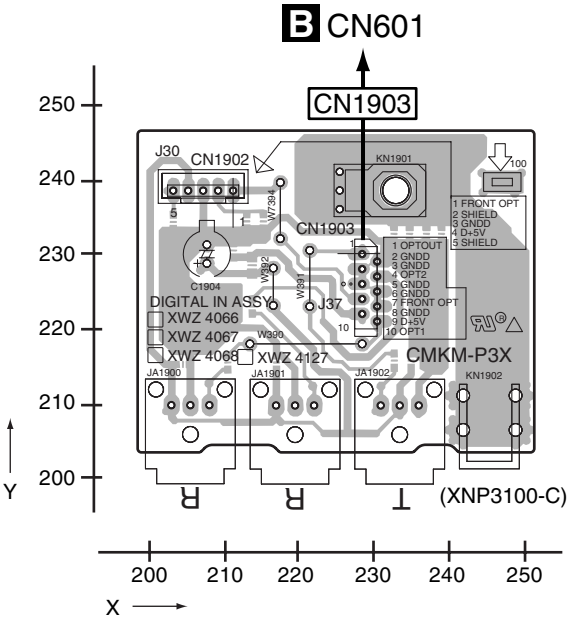
SIDE A

P REGULATOR ASSY



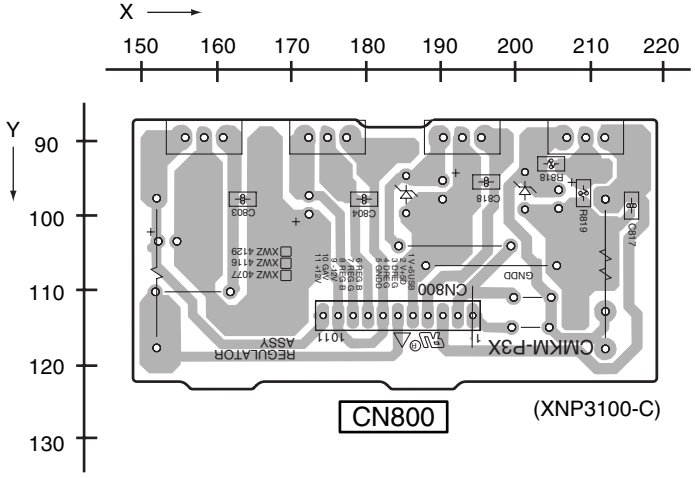
SIDE A

R DIGITAL IN ASSY



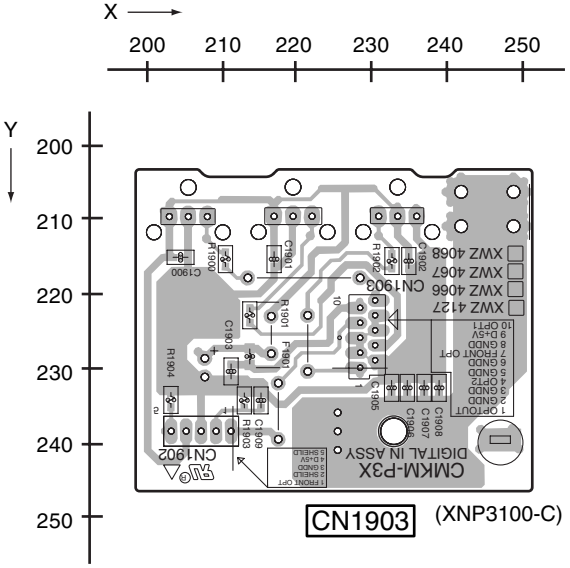
SIDE B

P REGULATOR ASSY



SIDE B

R DIGITAL IN ASSY



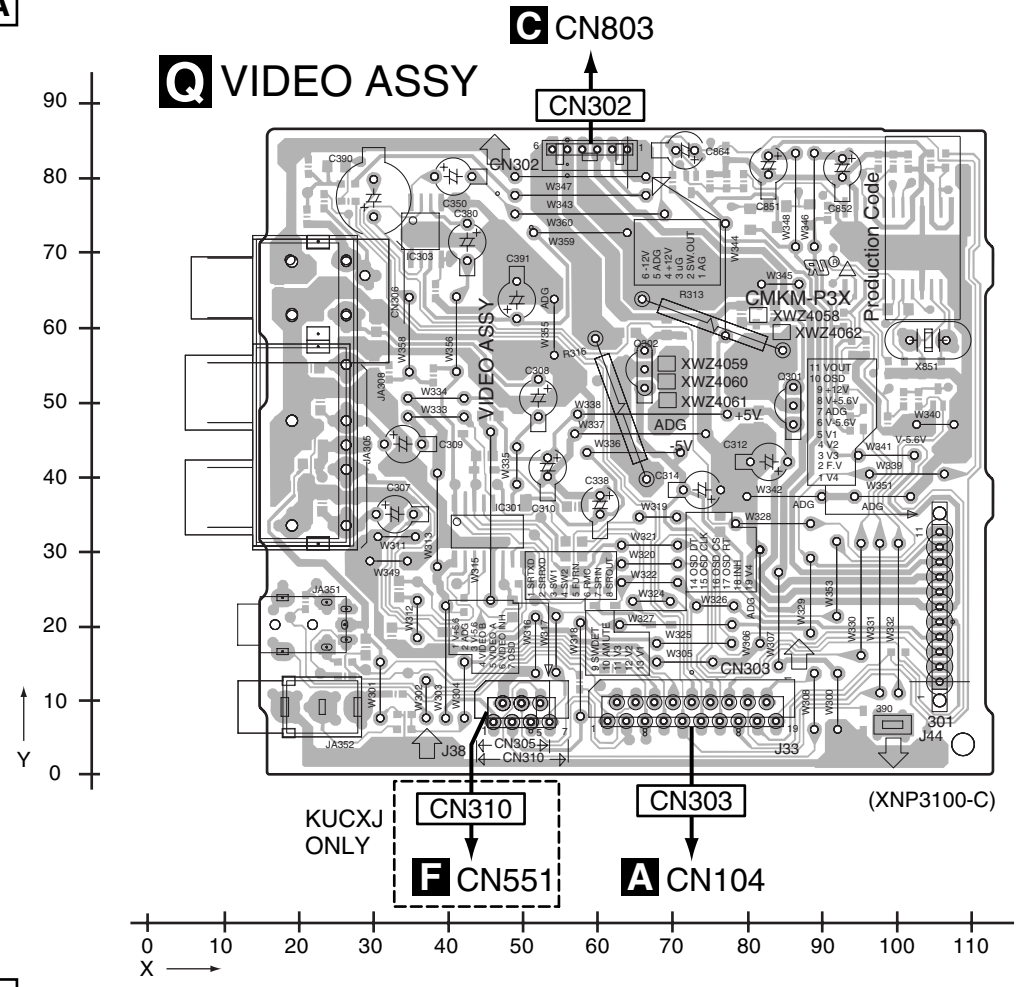
P R

P R

4.10 VIDEO ASSY

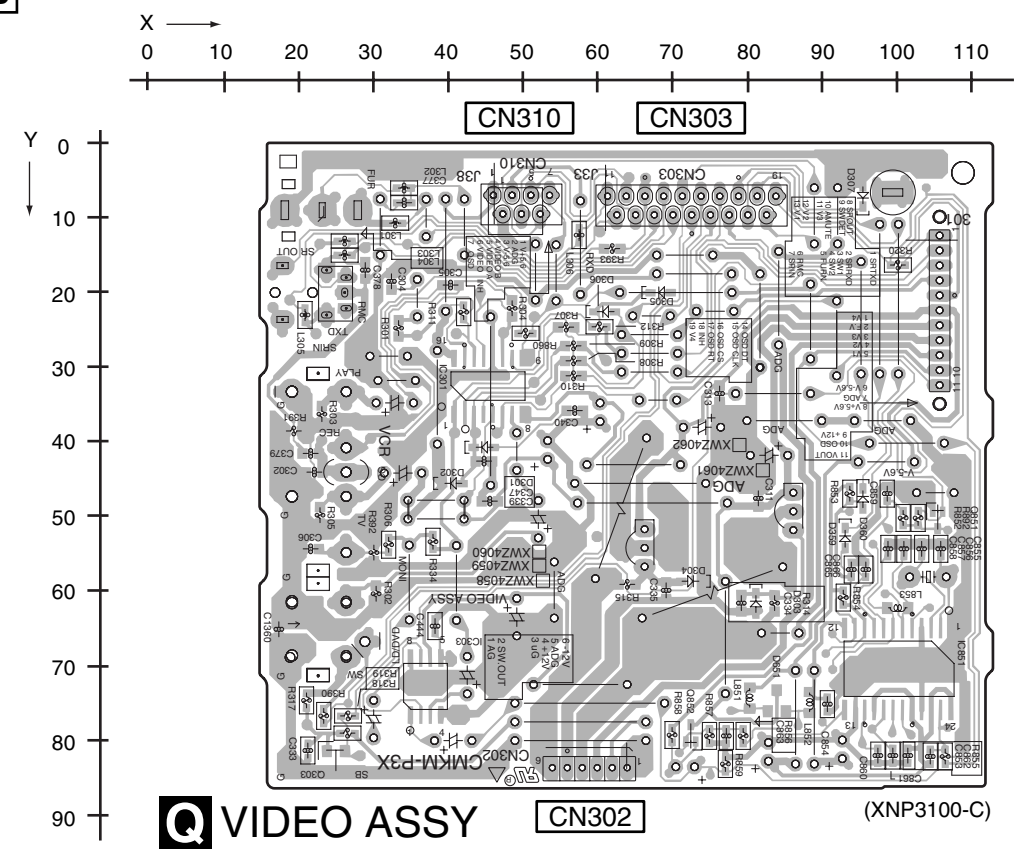
SIDE A

SIDE A



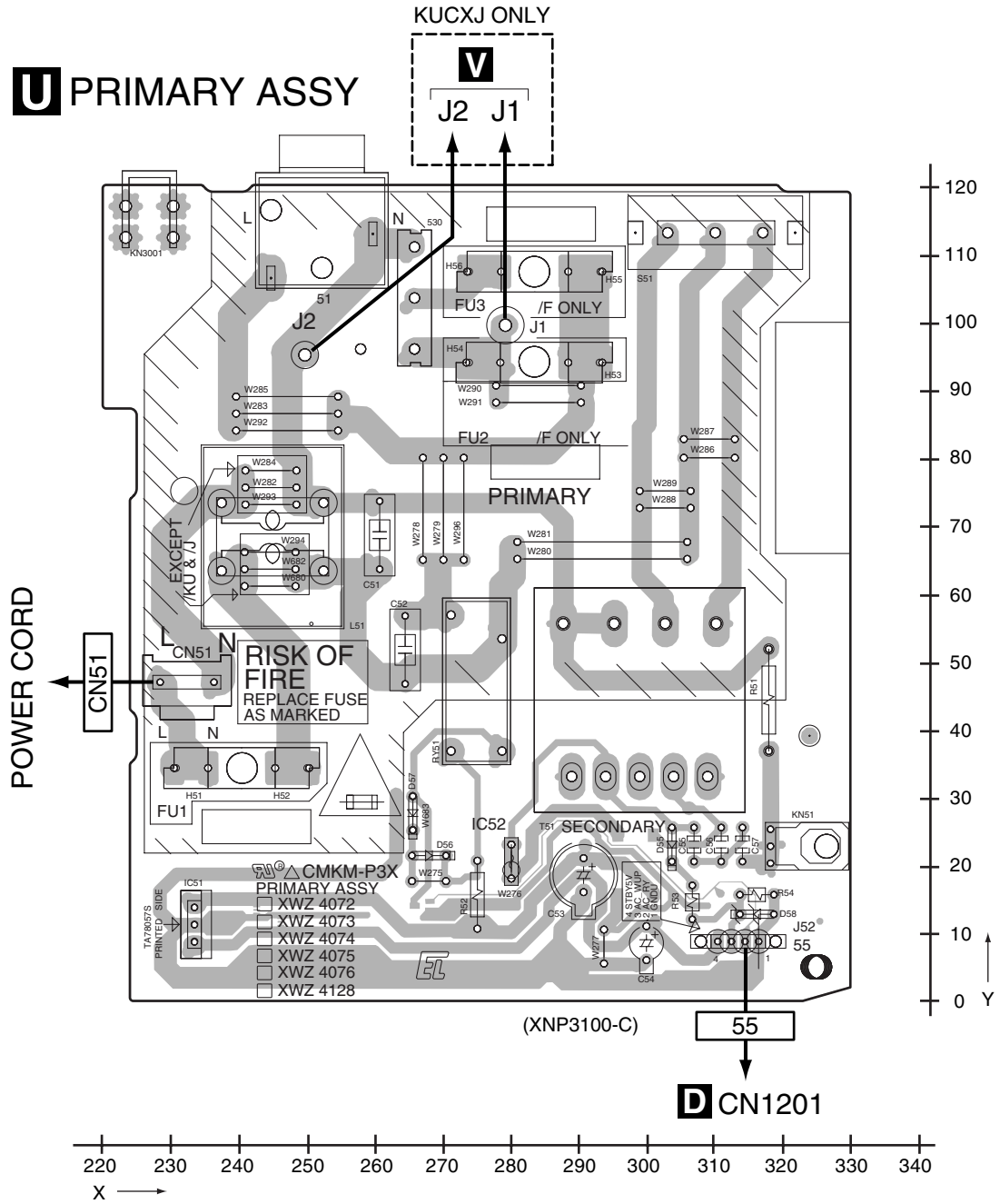
SIDE B

SIDE B



4.11 PRIMARY ASSY

SIDE A **SIDE A**

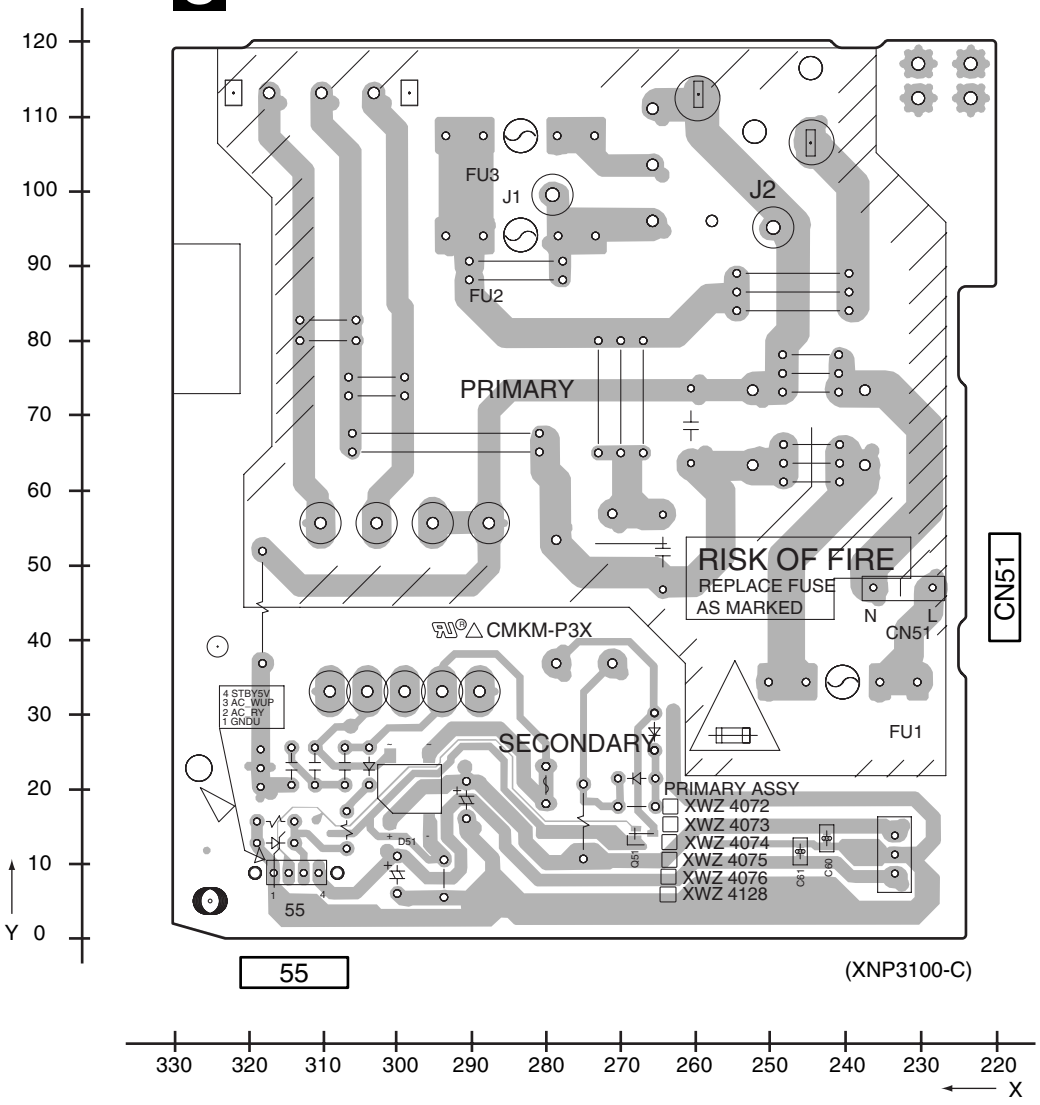


U **U**

SIDE B

SIDE B

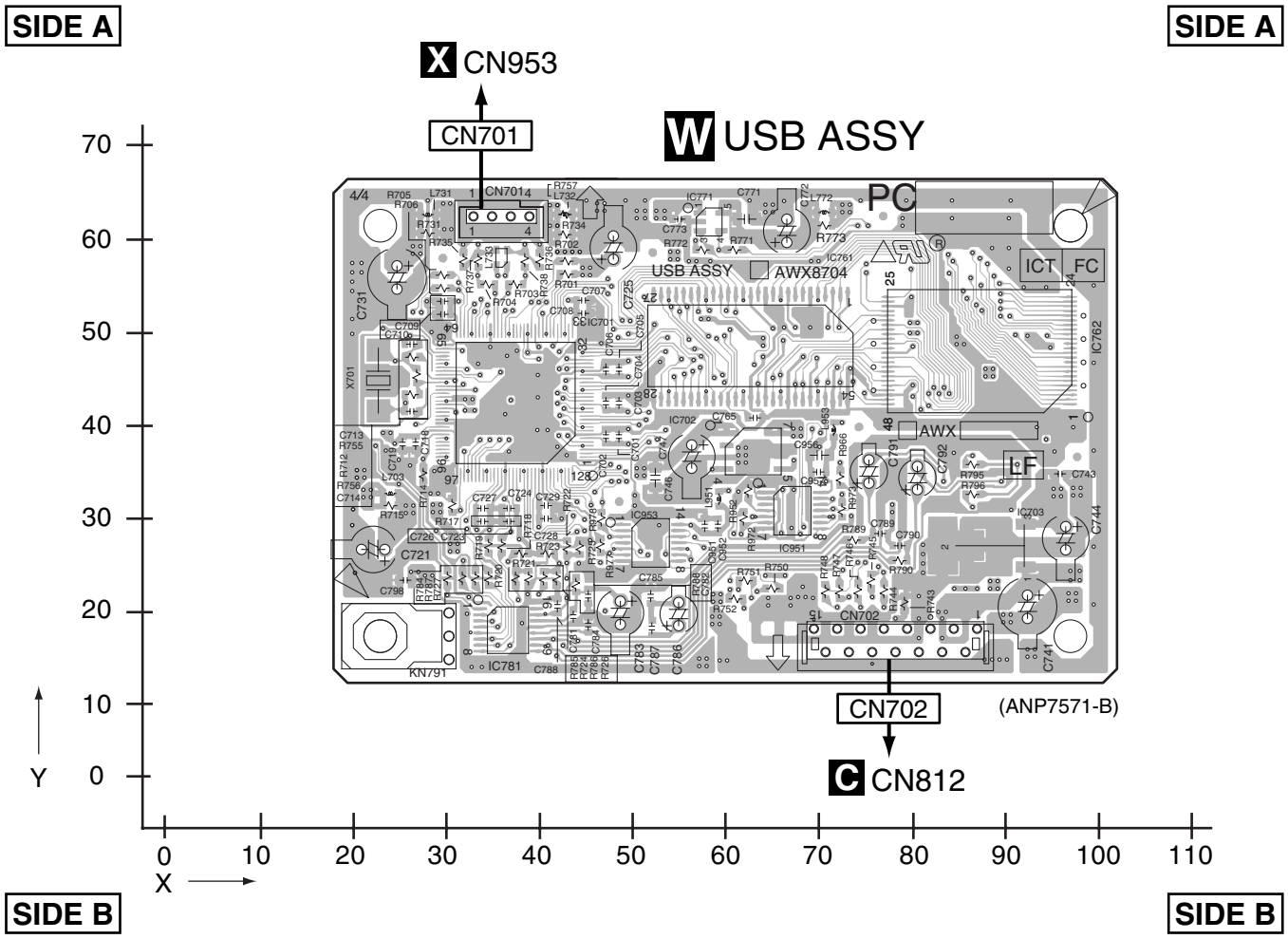
U PRIMARY ASSY



U

U

4.12 USB ASSY


SIDE A
SIDE A
X CN953
CN701
W USB ASSY
PC
USB ASSY
AWX8704
ICT
FC
AWX
LF
CN702
CN702
C CN812
(ANP7571-B)
SIDE B
SIDE B
W USB ASSY
CN702
CN701
(ANP7571-B)
W
W

5. PCB PARTS LIST

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

● *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 47k ohm (tolerance is shown by J=5%, and K=10%).

560 Ω → 56 x 10^1 → 561 ····· RD1/4PU 5 6 1 J
47k Ω → 47 x 10^3 → 473 ····· RD1/4PU 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).

5.62k Ω → 562 x 10^1 → 5621 ····· RN1/4PC 5 6 2 1 F

● *Meaning of the figures and others in the parentheses in the parts list.*

Example) IC 301 is on the point (face A, 91 of x-axis, and 111 of y-axis) of the corresponding PC board.

IC 301 (A, 91, 111) IC NJM2068V

LIST OF ASSEMBLIES

Mark	Symbol and Description	VSX-516 /KUXJ/CA	VSX-516 /MYXJ5, MVXJ5
	1..MAIN ASSY	XWK3229	XWK3230
	1..DSP ASSY	AWX8573	AWX8572
NSP	1..AMP ASSY	XWK3219	XWK3220
	2..POWER PACK ASSY	XWZ4082	XWZ4083
	2..TRANS2 ASSY	XWZ4090	XWZ4092
	2..TRANS3 ASSY	XWZ4079	XWZ4079
	2..HEADPHONE ASSY	XWZ4095	XWZ4095
	2..COMPONENT ASSY	XWZ4096	Not used
	2..5.1CH INPUT ASSY	XWZ4069	XWZ4069
	2..BINDER ASSY	XWZ4199	XWZ4199
NSP	1..COMPLEX ASSY	XWK3209	XWK3210
	2..FRONT DISPLAY ASSY	XWZ4051	XWZ4052
	2..R. ENCODER ASSY	XWZ4055	XWZ4055
	2..POWER KEY ASSY	XWZ4056	XWZ4056
	2..VIDEO ASSY	XWZ4059	XWZ4060
	2..DIGITAL IN ASSY	XWZ4066	XWZ4066
	2..PRIMARY ASSY	XWZ4072	XWZ4073
	2..REGULATOR ASSY	XWZ4077	XWZ4116
	2..TRANS1 ASSY	XWZ4078	Not used
	2..TRANS4 ASSY	XWZ4093	XWZ4093
	1..USB IN ASSY	Not used	XWK3247
	1..USB ASSY	Not used	AWX8704
	1..FM/AM TUNER UNIT	AXX7210	AXX7170

■ CONTRAST OF PCB ASSEMBLIES

B DSP ASSY

AWX8572 and AWX8573 are constructed the same except for the following:

Mark	Symbol and Description	AWX8573	AWX8572
	IC851	Not used	PDC145A8
	FLASH ROM IC	Not used	LE25FW106M
	Q801	Not used	UN5212
	L851 CHIP SOLID INDUCTOR	Not used	QTL1013
	R820	RS1/16S0R0J	Not used
	R821, R853	Not used	RS1/16S0R0J
	R828–R830, R851	Not used	RS1/16S470J
	R855–R857	Not used	RS1/16S103J
	C851	Not used	CCSRCH471J50
	C852	Not used	CKSRYB104K16

D TRANS2 ASSY

XWZ4092 and XWZ4090 are constructed the same except for the following:

Mark	Symbol and Description	XWZ4090	XWZ4092
⚠	IC853 PROTECTOR(4A)	AEK7018	Not used
⚠	IC853 PROTECTOR(7A)	Not used	AEK7021

K FRONT DISPLAY ASSY

XWZ4052 and XWZ4051 are constructed the same except for the following:

Mark	Symbol and Description	XWZ4051	XWZ4052
	D500	Not used	SLI-343DCW
	V401 FL TUBE	XAV3033	XAV3025
	R550	Not used	RS1/16S181J

P REGULATOR ASSY

XWZ4116 and XWZ4077 are constructed the same except for the following:

Mark	Symbol and Description	XWZ4077	XWZ4116
	D813	Not used	MTZJ6.2B
⚠	IC807	Not used	TA7805S
	R802 (220/2W)	Not used	RS2LMF221J
	R819	Not used	RS1/16S0R0J
	C816	Not used	CEAT101M10
	C817	Not used	CKSRYB103K25

Q VIDEO ASSY

XWZ4060 and XWZ4059 are constructed the same except for the following:

Mark	Symbol and Description	XWZ4059	XWZ4060
	D307	Not used	UDZS5R1(B)
	CN306 2P PIN JACK	Not used	XKB3041
	CN308 6P PIN JACK	AKB7123	Not used
	CN310 CONNECTOR	CKS3372	Not used
	JA305 4P PIN JACK	Not used	AKB7100
⚠	R313, R316	RS3LMF390J	RS3LMF560J
	R390	Not used	RS1/16S102J

U PRIMARY ASSY

XWZ4073 and XWZ4072 are constructed the same except for the following:

Mark	Symbol and Description	XWZ4072	XWZ4073
	D57	Not used	1SS133
⚠	L51	Not used	XTF3004
⚠	T51 STANDBY TRANSFORMER	ATT7043	ATT7040
⚠	51 AC SOCKET 1-P	AKP1060	Not used
⚠	530 3P TERMINAL	Not used	AKC-081
⚠	R51 (2.2M, 1/2W)	RCN1080	Not used

■ PCB PARTS LIST FOR VSX-516/KUCXJ UNLESS OTHER WISE NOTED

Mark	No.	Description	Part No.
		COMPLEX ASSY	
		MISCELLANEOUS	
	J 41	JUMPER WIRE	D15A03-100-2651
	J 42	JUMPER WIRE	D15A07-125-2651

Mark	No.	Description	Part No.
		A MAIN ASSY (XWK3229)	
		MISCELLANEOUS	
	IC 103	(A,198,72) OP-AMP IC	HA17558AF
	IC 104	(A,198,56) OP-AMP IC	HA17558AF
	IC 105	(A,198,87) OP-AMP IC	HA17558AF
	IC 106	(A,198,41) OP-AMP IC	HA17558AF
	IC 107	(A,216,88) OP-AMP IC	HA17558AF

Mark No.	Description	Part No.
IC 108	(B,255,64) 8CH E-VOL	R2S15205FP
IC 110	(A,237,73) IC	TC4066BFN
IC 251	(A,85,102) OP-AMP IC	HA17558AF
IC 310	(A,142,40) OP-AMP IC	BA4560RF
IC 311	(A,152,59) OP-AMP IC	BA4560RF
IC 312	(A,142,77) OP-AMP IC	BA4560RF
IC 315	(A,160,90) OP-AMP IC	BA4560RF
IC 9001	(B,82,64) CPU	PEG217A
IC 9002	(A,103,44) EEPROM	BR24L16FV-W
Q 231	(A,225,69) DIGITAL TR(SC-70)	RT1P241M
Q 232	(A,229,69) TRANSISTOR	RT1N241M
Q 252	(A,68,105) TRANSISTOR	2SD1858X
Q 253	(A,75,108) TRANSISTOR	RT1N241M
Q 254	(A,72,98) DIGITAL TR(SC-70)	RT1P241M
Q 255	(A,75,98) TRANSISTOR	RT1N241M
Q 256	(A,75,94) CHIP TRANSISTOR	2SD2704K
Q 257	(A,78,108) TRANSISTOR	2SA1576A
Q 361	(A,166,78) CHIP TRANSISTOR	2SD2704K
Q 9001	(A,125,87) DIGITAL TR(SC-70)	RT1N431M
Q 9002	(A,66,80) DIGITAL TR(SC-70)	RT1P241M
Q 9003	(A,65,75) DIGITAL TR(SC-70)	RT1P241M
Q 9007	(A,69,85) TRANSISTOR	DTC143TK
Q 9064	(A,59,80) DIGITAL TR(SC-70)	RT1P241M
Q 9065	(A,55,78) TRANSISTOR	UMD2N
D 103	(B,173,35) DIODE	DAN217U
D 105	(B,163,37) DIODE	DAN217U
D 107	(B,166,37) DIODE	DAN217U
D 251	(A,83,96) DIODE	DAN217U
D 253	(A,70,114) DIODE	UDZS27(B)
D 254	(A,90,104) DIODE	UDZS5R1(B)
D 311	(B,259,93) DIODE	1SS355
D 312	(B,268,93) DIODE	1SS355
D 331	(B,260,87) DIODE	UDZS6R8(B)
D 332	(B,263,87) DIODE	UDZS6R8(B)
D 9001	(A,125,103) DIODE	DAP202U
D 9002	(A,119,103) DIODE	DAP202U
D 9003	(A,122,103) DIODE	DAN202U
D 9006	(B,99,89) DIODE	DAN217U
D 9007	(B,91,89) DIODE	DAN217U
D 9010	(A,128,88) DIODE	1SS355
D 9011	(A,60,75) DIODE	DAN202U
D 9064	(A,58,75) DIODE	DAP202U
D 9065	(A,63,80) DIODE	DAP202U
D 9068	(A,53,81) DIODE	1SS355
L 101	(B,260,98) CHIP SOLID INDUCTOR	QTL1013
L 102	(B,265,97) CHIP SOLID INDUCTOR	QTL1013
L 5002	(A,257,104) CHIP SOLID INDUCTOR	QTL1013
L 9001	(A,123,107) CHIP SOLID INDUCTOR	ATL7002
L 9002	(A,121,107) CHIP SOLID INDUCTOR	ATL7002
L 9003	(A,106,98) RADIAL INDUCTOR	LFCA2R2J
X 9001	(A,96,53) CERAMIC RESONATOR (15.7 MHz)	XSS3004
CN101	(A,41,27) CONNECTOR	CKS3382
CN103	(A,230,17) 11P CONNECTOR	52044-1145
CN104	(A,250,13) CONNECTOR	CKS3384
CN105	(A,266,34) CONNECTOR	CKS3372
CN109	(A,230,113) 19P SOCKET	XKP3054
CN111	(A,276,113) 21P SOCKET	XKP3091
CN112	(A,91,41) CONNECTOR	CKS3382
CN114	(A,189,113) 21P SOCKET	XKP3091
CN117	(A,302,77) PIN JACK(4P)	AKB7114
CN118	(A,302,105) PIN JACK(4P)	AKB7114
CN125	(A,302,42) 6P PIN JACK	XKB3055
CN251	(A,39,83) 3P JUMPER CONNECTOR	52147-0310
CN252	(A,37,69) 3P TOP POST	B3B-EH

RESISTORS

R 103	(B,283,62)	RS1/16S222J
R 104	(B,283,52)	RS1/16S222J
R 105	(B,283,47)	RS1/16S331J
R 106	(B,293,40)	RS1/16S331J
R 107	(B,283,87)	RS1/16S331J
R 108	(B,293,81)	RS1/16S331J
R 109	(B,283,73)	RS1/16S331J
R 110	(B,293,68)	RS1/16S331J
R 111	(B,283,115)	RS1/16S222J
R 112	(B,283,106)	RS1/16S222J
R 113	(B,283,101)	RS1/16S331J
R 114	(B,293,96)	RS1/16S331J
R 129	(B,283,34)	RS1/16S331J
R 130	(B,283,25)	RS1/16S331J
R 145	(A,71,73)	RS1/16S102J
R 146	(A,71,74)	RS1/16S102J
R 147	(B,233,67)	RS1/16S472J
R 148	(B,228,62)	RS1/16S472J
R 149	(A,259,45)	RS1/16S104J
R 154	(B,294,51)	RS1/16S0R0J
R 155	(B,293,58)	RS1/16S0R0J
R 156	(B,295,107)	RS1/16S0R0J
R 157	(B,293,114)	RS1/16S0R0J
R 180	(B,278,97)	RS1/16S0R0J
R 181	(B,272,78)	RS1/16S0R0J
R 182	(B,275,75)	RS1/16S0R0J
R 183	(B,276,67)	RS1/16S0R0J
R 201	(A,189,85)	RS1/16S473J
R 202	(A,189,90)	RS1/16S473J
R 203	(B,187,85)	RS1/16S392J
R 204	(B,187,91)	RS1/16S392J
R 205	(B,189,85)	RS1/16S392J
R 206	(B,189,91)	RS1/16S392J
R 207	(B,191,85)	RS1/16S392J
R 208	(B,191,91)	RS1/16S392J
R 209	(B,198,85)	RS1/16S392J
R 210	(B,198,91)	RS1/16S392J
R 211	(B,200,85)	RS1/16S332J
R 212	(B,200,91)	RS1/16S332J
R 213	(B,202,85)	RS1/16S680J
R 214	(B,202,91)	RS1/16S680J
R 219	(B,216,84)	RS1/16S0R0J
R 220	(B,215,91)	RS1/16S0R0J
R 221	(B,220,84)	RS1/16S472J
R 222	(B,219,91)	RS1/16S472J
R 223	(A,242,78)	RS1/16S472J
R 224	(A,236,78)	RS1/16S472J
R 225	(B,225,84)	RS1/16S392J
R 226	(B,225,91)	RS1/16S392J
R 227	(B,231,84)	RS1/16S101J
R 228	(B,233,89)	RS1/16S101J
R 231	(A,229,72)	RS1/16S104J
R 233	(A,231,91)	RS1/16S474J

Mark	No.	Description	Part No.	Mark	No.	Description	Part No.
	R 234	(A,231,84)	RS1/16S474J		R 427	(A,133,93)	RS1/16S104J
	R 237	(A,237,88)	RS1/16S122J		R 431	(A,131,93)	RS1/16S104J
	R 238	(A,236,80)	RS1/16S122J		R 432	(A,127,93)	RS1/16S104J
	R 241	(A,190,69)	RS1/16S473J		R 433	(A,128,93)	RS1/16S104J
	R 242	(A,190,74)	RS1/16S473J		R 434	(A,134,93)	RS1/16S104J
	R 243	(B,186,69)	RS1/16S332J		R 435	(A,126,93)	RS1/16S104J
	R 244	(B,186,75)	RS1/16S332J		R 436	(A,130,93)	RS1/16S104J
	R 245	(B,188,69)	RS1/16S332J		R 438	(A,81,98)	RS1/16S104J
	R 246	(B,188,75)	RS1/16S332J		R 439	(A,86,96)	RS1/16S104J
	R 247	(B,190,69)	RS1/16S332J		R 440	(A,81,108)	RS1/16S754J
	R 248	(B,190,75)	RS1/16S332J		R 441	(A,79,98)	RS1/16S222J
	R 249	(B,197,69)	RS1/16S332J		R 442	(A,77,98)	RS1/16S104J
	R 250	(B,197,75)	RS1/16S332J		R 443	(A,63,104)	RS1/16S471J
	R 251	(B,199,69)	RS1/16S182J		R 445	(A,73,108)	RS1/16S223J
	R 252	(B,199,75)	RS1/16S182J		R 446	(A,74,113)	RS1/16S104J
	R 253	(B,202,69)	RS1/16S0R0J		R 447	(A,88,94)	RS1/16S472J
	R 254	(B,202,75)	RS1/16S0R0J		R 448	(A,89,104)	RS1/16S104J
	R 257	(B,213,69)	RS1/16S101J		R 449	(A,80,108)	RS1/16S102J
	R 258	(B,213,75)	RS1/16S101J		R 453	(A,146,35)	RS1/16S102J
	R 261	(A,189,53)	RS1/16S473J		R 454	(A,142,46)	RS1/16S102J
	R 262	(A,189,59)	RS1/16S473J		R 455	(A,146,38)	RS1/16S272J
	R 263	(B,186,53)	RS1/16S332J		R 456	(A,147,43)	RS1/16S272J
	R 264	(B,186,60)	RS1/16S332J		R 457	(A,140,35)	RS1/16S153J
	R 265	(B,188,53)	RS1/16S332J		R 458	(A,140,46)	RS1/16S153J
	R 266	(B,188,60)	RS1/16S682J		R 459	(B,133,38)	RS1/16S103J
	R 267	(B,190,53)	RS1/16S332J		R 460	(B,133,43)	RS1/16S103J
	R 268	(B,190,60)	RS1/16S393J		R 461	(B,145,39)	RS1/16S104J
	R 269	(B,197,53)	RS1/16S332J		R 462	(B,145,43)	RS1/16S104J
	R 270	(B,197,60)	RS1/16S122J		R 464	(A,78,222)	RS1/16S0R0J
	R 271	(B,199,53)	RS1/16S182J		R 473	(A,151,53)	RS1/16S102J
	R 272	(B,199,60)	RS1/16S272J		R 474	(A,152,65)	RS1/16S102J
	R 273	(B,202,53)	RS1/16S0R0J		R 475	(A,157,52)	RS1/16S272J
	R 274	(B,202,60)	RS1/16S271J		R 476	(A,158,66)	RS1/16S272J
	R 277	(B,214,53)	RS1/16S101J		R 477	(A,149,52)	RS1/16S153J
	R 278	(B,213,61)	RS1/16S101J		R 478	(A,150,65)	RS1/16S153J
	R 280	(A,65,113)	RS1/16S0R0J		R 479	(B,142,57)	RS1/16S103J
	R 281	(A,188,44)	RS1/16S473J		R 480	(B,142,62)	RS1/16S103J
	R 282	(A,188,38)	RS1/16S473J		R 481	(B,154,58)	RS1/16S104J
	R 283	(B,186,45)	RS1/16S332J		R 482	(B,154,62)	RS1/16S104J
	R 284	(B,186,38)	RS1/16S332J		R 483	(B,144,76)	RS1/16S104J
	R 285	(B,188,45)	RS1/16S332J		R 484	(A,165,71)	RS1/16S104J
	R 286	(B,188,38)	RS1/16S332J		R 485	(A,157,80)	RS1/16S472J
	R 287	(B,191,45)	RS1/16S332J		R 488	(A,165,73)	RS1/16S0R0J
	R 288	(B,191,38)	RS1/16S332J		R 493	(A,141,71)	RS1/16S102J
	R 289	(B,197,45)	RS1/16S332J		R 494	(A,141,83)	RS1/16S911J
	R 290	(B,197,38)	RS1/16S332J		R 495	(A,147,71)	RS1/16S272J
	R 291	(B,200,45)	RS1/16S182J		R 496	(A,148,83)	RS1/16S272J
	R 292	(B,199,39)	RS1/16S182J		R 497	(A,139,69)	RS1/16S153J
	R 293	(B,202,45)	RS1/16S0R0J		R 498	(A,139,83)	RS1/16S153J
	R 294	(B,202,39)	RS1/16S0R0J		R 499	(B,133,72)	RS1/16S103J
	R 297	(B,214,44)	RS1/16S101J		R 500	(B,133,79)	RS1/16S104J
	R 298	(B,214,39)	RS1/16S101J		R 502	(B,144,80)	RS1/16S204J
	R 303	(B,156,37)	RS1/16S101J		R 504	(B,171,86)	RS1/16S222J
	R 304	(B,155,43)	RS1/16S101J		R 505	(B,170,92)	RS1/16S222J
	R 305	(B,160,49)	RS1/16S101J		R 506	(B,165,87)	RS1/16S104J
	R 306	(B,164,61)	RS1/16S101J		R 507	(B,163,92)	RS1/16S104J
	R 307	(B,165,68)	RS1/16S101J		R 508	(A,162,82)	RS1/16S272J
	R 308	(B,171,72)	RS1/16S101J		R 509	(A,162,96)	RS1/16S272J
	R 311	(A,258,102) METAL OXIDE RESISTOR	RS1LMF101J		R 512	(A,159,83)	RS1/16S102J
	R 312	(A,266,102) METAL OXIDE RESISTOR	RS1LMF101J		R 513	(A,159,96)	RS1/16S102J

Mark	No.	Description	Part No.
R	514	(A,157,83)	RS1/16S153J
R	515	(A,157,96)	RS1/16S153J
R	516	(B,150,89)	RS1/16S103J
R	517	(B,150,96)	RS1/16S103J
R	9002	(A,129,89)	RS1/16S473J
R	9005	(A,91,55)	RS1/16S0R0J
R	9006	(B,103,89)	RS1/16S474J
R	9007	(B,93,89)	RS1/16S474J
R	9008	(A,86,90)	RS1/16S221J
R	9009	(A,65,85)	RS1/16S473J
R	9010	(B,115,45)	RS1/16S512J
R	9011	(A,63,76)	RS1/16S102J
R	9012	(A,63,73)	RS1/16S0R0J
R	9013	(B,112,45)	RS1/16S471J
R	9014	(B,104,54)	RS1/16S471J
R	9015	(B,101,54)	RS1/16S471J
R	9016	(B,99,54)	RS1/16S471J
R	9017	(B,97,54)	RS1/16S471J
R	9018	(B,95,54)	RS1/16S471J
R	9019	(B,98,76)	RS1/16S471J
R	9020	(B,99,76)	RS1/16S471J
R	9021	(B,101,76)	RS1/16S471J
R	9022	(B,103,76)	RS1/16S471J
R	9024	(B,105,68)	RS1/16S472J
R	9025	(B,101,68)	RS1/16S0R0J
R	9026	(B,107,68)	RS1/16S622J
R	9028	(B,119,45)	RS1/16S104J
R	9030	(A,68,79)	RS1/16S470J
R	9031	(B,69,48)	RS1/16S104J
R	9032	(A,66,59)	RS1/16S104J
R	9033	(B,89,48)	RS1/16S104J
R	9036	(A,88,89)	RS1/16S221J
R	9037	(A,124,99)	RS1/16S104J
R	9039	(A,87,58)	RS1/16S104J
R	9041	(B,117,45)	RS1/16S104J
R	9045	(A,98,46)	RS1/16S471J
R	9046	(A,107,45)	RS1/16S471J
R	9047	(A,99,46)	RS1/16S103J
R	9048	(A,98,43)	RS1/16S103J
R	9060	(B,98,68)	RS1/16S473J
R	9062	(B,87,48)	RS1/16S471J
R	9064	(A,54,74)	RS1/16S103J
R	9065	(A,56,74)	RS1/16S103J
R	9066	(A,62,72)	RS1/16S103J
R	9067	(A,57,83)	RS1/16S103J
R	9068	(A,64,71)	RS1/16S0R0J
R	9081	(A,120,72)	RS1/16S221J
R	9082	(A,122,69)	RS1/16S274J

CAPACITORS

C	115	(B,262,98)	CKSRYB103K50
C	116	(B,267,97)	CKSRYB103K50
C	117	(A,287,109)	CCSRCH220J50
C	118	(B,285,109)	CCSRCH220J50
C	121	(A,280,34)	CEAT100M50
C	122	(A,280,25)	CEAT100M50
C	125	(A,280,62)	CEAT100M50
C	126	(A,280,53)	CEAT100M50
C	127	(A,280,47)	CEAT100M50
C	128	(A,280,40)	CEAT100M50
C	131	(A,280,87)	CEAT100M50
C	132	(A,280,80)	CEAT100M50
C	133	(A,280,74)	CEAT100M50
C	134	(A,280,67)	CEAT100M50
C	135	(A,280,114)	CEAT100M50
C	136	(A,280,106)	CEAT100M50
C	137	(A,280,101)	CEAT100M50
C	138	(A,280,93)	CEAT100M50
C	141	(A,256,82)	CKSRYB104K50
C	145	(B,256,81)	CCSRCH101J50
C	146	(B,258,81)	CCSRCH101J50
C	147	(B,253,81)	CKSRYB103K50
C	148	(B,238,67)	CKSRYB223K25
C	149	(B,235,67)	CKSRYB473K25
C	150	(B,231,67)	CKSQYB154K16
C	151	(B,49,51)	CKSRYB103K50
C	152	(B,230,62)	CKSRYB223K25
C	153	(B,234,62)	CKSRYB473K25
C	154	(B,232,62)	CKSQYB154K16
C	155	(A,226,62)	CEAT101M16
C	156	(A,229,56)	CEAT101M16
C	157	(A,236,56)	CEAT101M16
C	158	(A,232,50)	CEAT101M16
C	159	(A,241,50)	CEAT101M16
C	160	(A,234,44)	CEAT101M16
C	161	(A,241,44)	CEAT101M16
C	162	(A,248,44)	CEAT101M16
C	165	(A,240,86)	CEAT1R0M50
C	166	(A,248,86)	CEAT1R0M50
C	179	(B,294,76)	CKSRYB103K50
C	180	(A,277,16)	CKSRYB103K50
C	199	(A,281,50)	CKSRYB103K50
C	201	(A,183,85)	CEAT2R2M50
C	202	(A,184,92)	CEAT2R2M50
C	203	(A,191,85)	CCSRCH471J50
C	204	(A,191,90)	CCSRCH471J50
C	205	(A,193,85)	CCSRCH331J50
C	206	(A,194,90)	CCSRCH331J50
C	207	(B,193,85)	CCSRCH331J50
C	208	(B,193,91)	CCSRCH331J50
C	213	(A,223,84)	CEAT100M50
C	214	(A,223,90)	CEAT100M50
C	215	(B,233,84)	CKSRYB103K50
C	216	(B,231,89)	CKSRYB103K50
C	217	(A,202,85)	CKSRYB103K50
C	218	(A,202,90)	CKSRYB103K50
C	219	(A,221,87)	CKSRYB104K16
C	220	(A,210,93)	CKSRYB104K16
C	221	(A,230,75)	CKSRYB103K50
C	222	(A,243,70)	CKSRYB103K50
C	241	(A,183,70)	CEAT2R2M50
C	242	(A,183,77)	CEAT2R2M50
C	243	(A,192,69)	CCSRCH101J50
C	244	(A,192,74)	CCSRCH101J50
C	245	(A,194,69)	CCSRCH331J50
C	246	(A,194,74)	CCSRCH331J50
C	247	(B,193,69)	CCSRCH331J50
C	248	(B,193,75)	CCSRCH331J50
C	249	(A,205,69)	CEAT100M50
C	250	(A,205,75)	CEAT100M50

Mark	No.	Description	Part No.
	C 251	(A,204,65)	CKSRYB103K50
	C 252	(A,211,78)	CKSRYB103K50
A	C 253	(B,43,89)	CKSRYB103K50
	C 254	(A,58,108) ELECT. CAPACITOR	CEAT101M25
	C 255	(A,51,108) ELECT. CAPACITOR	CEANP470M25
	C 256	(A,81,105)	CKSRYB103K50
	C 257	(B,216,69)	CKSRYB472K50
	C 258	(B,217,75)	CKSRYB472K50
	C 261	(A,183,54)	CEAT2R2M50
	C 262	(A,183,62)	CEAT2R2M50
	C 263	(A,192,53)	CCSRCH101J50
	C 264	(A,191,59)	CKSRYB223K25
	C 265	(A,194,53)	CCSRCH331J50
B	C 266	(A,194,59)	CKSRYB103K50
	C 267	(B,193,53)	CCSRCH331J50
	C 268	(B,193,60)	CKSRYB562K50
	C 269	(A,205,54)	CEAT100M50
	C 270	(A,205,60)	CEAT100M50
	C 271	(A,203,51)	CKSRYB103K50
	C 272	(A,210,64)	CKSRYB103K50
	C 277	(B,216,53)	CKSRYB472K50
	C 278	(B,215,61)	CKSRYB472K50
	C 281	(A,183,46)	CEAT2R2M50
	C 282	(A,184,39)	CEAT2R2M50
C	C 283	(A,190,44)	CCSRCH101J50
	C 284	(A,190,38)	CCSRCH101J50
	C 285	(A,194,44)	CCSRCH331J50
	C 286	(A,194,38)	CCSRCH331J50
	C 287	(B,193,45)	CCSRCH331J50
	C 288	(B,193,38)	CCSRCH331J50
	C 289	(A,205,44)	CEAT100M50
	C 290	(A,206,38)	CEAT100M50
	C 291	(A,216,39)	CKSRYB103K50
	C 292	(A,216,48)	CKSRYB103K50
	C 297	(B,218,44)	CKSRYB472K50
D			
	C 298	(B,216,39)	CKSRYB472K50
	C 321	(A,153,38)	CEAT100M50
	C 322	(A,153,45)	CEAT100M50
	C 323	(A,145,35)	CCSRCH101J50
	C 324	(A,140,47)	CCSRCH101J50
	C 325	(A,136,39) ELECT. CAPACITOR	CEAT220M50
	C 326	(A,136,46) ELECT. CAPACITOR	CEAT220M50
	C 327	(A,132,42)	CKSRYB103K50
	C 328	(A,132,38)	CKSRYB103K50
	C 333	(A,255,93)	CEAT101M10
E			
	C 334	(A,268,81)	CEAT101M10
	C 341	(A,161,56)	CEAT100M50
	C 342	(A,161,63)	CEAT100M50
	C 343	(A,149,51)	CCSRCH101J50
	C 344	(A,150,66)	CCSRCH101J50
	C 345	(A,145,56) ELECT. CAPACITOR	CEAT220M50
	C 346	(A,145,63) ELECT. CAPACITOR	CEAT220M50
	C 347	(A,140,64)	CKSRYB103K50
	C 348	(A,141,58)	CKSRYB103K50
	C 361	(A,161,70)	CEAT100M50
	C 362	(A,169,70)	CEAT100M50
F	C 363	(A,139,68)	CCSRCH101J50
	C 364	(A,139,84)	CKSRYB472K50
	C 365	(A,136,73) ELECT. CAPACITOR	CEAT220M50
	C 366	(A,136,80) ELECT. CAPACITOR	CEANP4R7M50

Mark	No.	Description	Part No.
	C 367	(A,135,88)	CKSRYB103K50
	C 368	(A,147,75)	CKSRYB103K50
	C 370	(A,161,74)	CEAT4R7M50
	C 384	(A,167,87)	CEAT100M50
	C 385	(A,167,94)	CEAT100M50
	C 386	(A,157,84)	CCSRCH101J50
	C 387	(A,157,95)	CCSRCH101J50
	C 388	(A,153,90) ELECT. CAPACITOR	CEAT220M50
	C 389	(A,153,97) ELECT. CAPACITOR	CEAT220M50
	C 390	(A,164,88)	CKSRYB103K50
	C 392	(B,91,95)	CKSRYB102K50
	C 393	(A,156,92)	CKSRYB103K50
	C 1031	(A,286,57)	CCSRCH220J50
	C 1041	(B,287,55)	CCSRCH220J50
	C 5001	(B,233,10)	CKSRYB102K50
	C 5002	(B,235,10)	CKSRYB103K50
	C 5003	(B,237,10)	CKSRYB105K10
	C 5025	(A,166,12)	CKSRYB102K50
	C 5026	(A,169,13)	CKSRYB102K50
	C 5027	(A,177,12)	CKSRYB102K50
	C 5028	(A,179,13)	CCSRCH220J50
	C 9004	(A,121,94)	CKSRYB103K50
	C 9005	(A,116,99)	CEJQ2R2M50
	C 9006	(A,122,88)	CKSRYB105K10
	C 9007	(A,79,92) ELECT. CAPACITOR	CEAT331M6R3
	C 9008	(B,77,90)	CKSRYB103K50
	C 9011	(B,95,89)	CKSRYB473K16
	C 9014	(B,87,88)	CKSRYB473K16
	C 9015	(A,100,95)	CKSRYB102K50
	C 9018	(B,72,72)	CKSRYB104K50
	C 9081	(A,120,69)	CKSRYB103K50

A MAIN ASSY (XWK3230)

MISCELLANEOUS

IC 103	(A,198,72) OP-AMP IC	HA17558AF
IC 104	(A,198,56) OP-AMP IC	HA17558AF
IC 105	(A,198,87) OP-AMP IC	HA17558AF
IC 106	(A,198,41) OP-AMP IC	HA17558AF
IC 107	(A,216,88) OP-AMP IC	HA17558AF
IC 108	(B,255,64) 8CH E-VOL	R2S15205FP
IC 110	(A,237,73) IC	TC4066BFN
IC 251	(A,85,102) OP-AMP IC	HA17558AF
IC 310	(A,142,40) OP-AMP IC	BA4560RF
IC 311	(A,152,59) OP-AMP IC	BA4560RF
IC 312	(A,142,77) OP-AMP IC	BA4560RF
IC 315	(A,160,90) OP-AMP IC	BA4560RF
IC 5001	(A,69,19) RDS DECORDER IC	LC72725M
IC 9001	(B,82,64) CPU	PEG217A
IC 9002	(A,103,44) EEPROM	BR24L16FV-W
Q 231	(A,225,69) DIGITAL TR(SC-70)	RT1P241M
Q 232	(A,229,69) TRANSISTOR	RT1N241M
Q 252	(A,68,105) TRANSISTOR	2SD1858X
Q 253	(A,75,108) TRANSISTOR	RT1N241M
Q 254	(A,72,98) DIGITAL TR(SC-70)	RT1P241M
Q 255	(A,75,98) TRANSISTOR	2SC4081
Q 256	(A,75,94) CHIP TRANSISTOR	2SD2704K
Q 257	(A,78,108) TRANSISTOR	2SA1576A
Q 259	(A,69,97) DIGITAL TR(SC-70)	RT1P241M

Mark No.	Description	Part No.
Q 260	(A,68,221) TRANSISTOR	2SC4081
Q 361	(A,166,78) CHIP TRANSISTOR	2SD2704K
Q 9001	(A,125,87) DIGITAL TR(SC-70)	RT1N431M
Q 9002	(A,66,80) DIGITAL TR(SC-70)	RT1P241M
Q 9003	(A,65,75) DIGITAL TR(SC-70)	RT1P241M
Q 9007	(A,69,85) TRANSISTOR	DTC143TK
Q 9064	(A,59,80) DIGITAL TR(SC-70)	RT1P241M
Q 9065	(A,55,78) TRANSISTOR	UMD2N
D 103	(B,173,35) DIODE	DAN217U
D 105	(B,163,37) DIODE	DAN217U
D 107	(B,166,37) DIODE	DAN217U
D 251	(A,83,96) DIODE	DAN217U
D 253	(A,70,114) DIODE	UDZS13(B)
D 254	(A,90,104) DIODE	UDZS5R1(B)
D 255	(A,65,114) DIODE	UDZS13(B)
D 311	(B,259,93) DIODE	1SS355
D 312	(B,268,93) DIODE	1SS355
D 331	(B,260,87) DIODE	UDZS6R8(B)
D 332	(B,263,87) DIODE	UDZS6R8(B)
D 9001	(A,125,103) DIODE	DAP202U
D 9002	(A,119,103) DIODE	DAP202U
D 9003	(A,122,103) DIODE	DAN202U
D 9006	(B,99,89) DIODE	DAN217U
D 9007	(B,91,89) DIODE	DAN217U
D 9010	(A,128,88) DIODE	1SS355
D 9011	(A,60,75) DIODE	DAN202U
D 9064	(A,58,75) DIODE	DAP202U
D 9065	(A,63,80) DIODE	DAP202U
D 9068	(A,53,81) DIODE	1SS355
L 101	(B,260,98) CHIP SOLID INDUCTOR	QTL1013
L 102	(B,265,97) CHIP SOLID INDUCTOR	QTL1013
L 5002	(A,257,104) CHIP SOLID INDUCTOR	QTL1013
L 9001	(A,123,107) CHIP SOLID INDUCTOR	ATL7002
L 9002	(A,121,107) CHIP SOLID INDUCTOR	ATL7002
L 9003	(A,106,98) RADIAL INDUCTOR	LFCA2R2J
X 5001	(A,67,27) CRYSTAL RESONATOR (4.332 MHz)	ASS7004
X 9001	(A,96,53) CERAMIC RESONATOR (15.7 MHz)	XSS3004
CN101	(A,41,27) CONNECTOR	CKS3382
CN103	(A,230,17) 11P CONNECTOR	52044-1145
CN104	(A,250,13) CONNECTOR	CKS3384
CN105	(A,266,34) CONNECTOR	CKS3372
CN108	(A,41,55) CONNECTOR	CKS3370
CN109	(A,230,113) 23P SOCKET	XKP3055
CN111	(A,276,113) 21P SOCKET	XKP3091
CN112	(A,91,41) CONNECTOR	CKS3390
CN114	(A,189,113) 21P SOCKET	XKP3091
CN117	(A,302,77) PIN JACK(4P)	AKB7114
CN118	(A,302,105) PIN JACK(4P)	AKB7114
CN125	(A,302,42) 6P PIN JACK	XKB3055
CN251	(A,39,83) 3P JUMPER CONNECTOR	52147-0310
CN252	(A,37,69) 3P TOP POST	B3B-EH

RESISTORS

Mark No.	Description	Part No.
R 103	(B,283,62)	RS1/16S222J
R 104	(B,283,52)	RS1/16S222J
R 105	(B,283,47)	RS1/16S331J
R 106	(B,293,40)	RS1/16S331J
R 107	(B,283,87)	RS1/16S331J
R 108	(B,293,81)	RS1/16S331J
R 109	(B,283,73)	RS1/16S331J
R 110	(B,293,68)	RS1/16S331J
R 111	(B,283,115)	RS1/16S222J
R 112	(B,283,106)	RS1/16S222J
R 113	(B,283,101)	RS1/16S331J
R 114	(B,293,96)	RS1/16S331J
R 129	(B,283,34)	RS1/16S331J
R 130	(B,283,25)	RS1/16S331J
R 145	(A,71,73)	RS1/16S102J
R 146	(A,71,74)	RS1/16S102J
R 147	(B,233,67)	RS1/16S472J
R 148	(B,228,62)	RS1/16S472J
R 149	(A,259,45)	RS1/16S104J
R 154	(B,294,51)	RS1/16S0R0J
R 155	(B,293,58)	RS1/16S0R0J
R 156	(B,295,107)	RS1/16S0R0J
R 157	(B,293,114)	RS1/16S0R0J
R 180	(B,278,97)	RS1/16S0R0J
R 181	(B,272,78)	RS1/16S0R0J
R 182	(B,275,75)	RS1/16S0R0J
R 183	(B,276,67)	RS1/16S0R0J
R 201	(A,189,85)	RS1/16S473J
R 202	(A,189,90)	RS1/16S473J
R 203	(B,187,85)	RS1/16S392J
R 204	(B,187,91)	RS1/16S392J
R 205	(B,189,85)	RS1/16S392J
R 206	(B,189,91)	RS1/16S392J
R 207	(B,191,85)	RS1/16S392J
R 208	(B,191,91)	RS1/16S392J
R 209	(B,198,85)	RS1/16S392J
R 210	(B,198,91)	RS1/16S392J
R 211	(B,200,85)	RS1/16S332J
R 212	(B,200,91)	RS1/16S332J
R 213	(B,202,85)	RS1/16S680J
R 214	(B,202,91)	RS1/16S680J
R 219	(B,216,84)	RS1/16S0R0J
R 220	(B,215,91)	RS1/16S0R0J
R 221	(B,220,84)	RS1/16S472J
R 222	(B,219,91)	RS1/16S472J
R 223	(A,242,78)	RS1/16S472J
R 224	(A,236,78)	RS1/16S472J
R 225	(B,225,84)	RS1/16S392J
R 226	(B,225,91)	RS1/16S392J
R 227	(B,231,84)	RS1/16S101J
R 228	(B,233,89)	RS1/16S101J
R 231	(A,229,72)	RS1/16S104J
R 233	(A,231,91)	RS1/16S474J
R 234	(A,231,84)	RS1/16S474J
R 237	(A,237,88)	RS1/16S122J
R 238	(A,236,80)	RS1/16S122J
R 241	(A,190,69)	RS1/16S473J
R 242	(A,190,74)	RS1/16S473J
R 243	(B,186,69)	RS1/16S332J
R 244	(B,186,75)	RS1/16S332J
R 245	(B,188,69)	RS1/16S332J
R 246	(B,188,75)	RS1/16S332J
R 247	(B,190,69)	RS1/16S332J
R 248	(B,190,75)	RS1/16S332J
R 249	(B,197,69)	RS1/16S332J

Mark	No.	Description	Part No.	Mark	No.	Description	Part No.
	R 250	(B,197,75)	RS1/16S332J		R 454	(A,142,46)	RS1/16S102J
	R 251	(B,199,69)	RS1/16S182J		R 455	(A,146,38)	RS1/16S272J
	R 252	(B,199,75)	RS1/16S182J		R 456	(A,147,43)	RS1/16S272J
A	R 253	(B,202,69)	RS1/16S0R0J		R 457	(A,140,35)	RS1/16S153J
	R 254	(B,202,75)	RS1/16S0R0J		R 458	(A,140,46)	RS1/16S153J
	R 257	(B,213,69)	RS1/16S101J		R 459	(B,133,38)	RS1/16S103J
	R 258	(B,213,75)	RS1/16S101J		R 460	(B,133,43)	RS1/16S103J
	R 261	(A,189,53)	RS1/16S473J		R 461	(B,145,39)	RS1/16S104J
	R 262	(A,189,59)	RS1/16S473J		R 462	(B,145,43)	RS1/16S104J
	R 263	(B,186,53)	RS1/16S332J		R 463	(A,76,102)	RS1/16S223J
	R 264	(B,186,60)	RS1/16S332J		R 464	(A,78,102)	RS1/16S223J
	R 265	(B,188,53)	RS1/16S332J		R 465	(A,74,102)	RS1/16S223J
	R 266	(B,188,60)	RS1/16S682J		R 466	(A,71,101)	RS1/16S223J
	R 267	(B,190,53)	RS1/16S332J		R 473	(A,151,53)	RS1/16S102J
B	R 268	(B,190,60)	RS1/16S393J		R 474	(A,152,65)	RS1/16S102J
	R 269	(B,197,53)	RS1/16S332J		R 475	(A,157,52)	RS1/16S272J
	R 270	(B,197,60)	RS1/16S122J		R 476	(A,158,66)	RS1/16S272J
	R 271	(B,199,53)	RS1/16S182J		R 477	(A,149,52)	RS1/16S153J
	R 272	(B,199,60)	RS1/16S272J		R 478	(A,150,65)	RS1/16S153J
	R 273	(B,202,53)	RS1/16S0R0J		R 479	(B,142,57)	RS1/16S103J
	R 274	(B,202,60)	RS1/16S271J		R 480	(B,142,62)	RS1/16S103J
	R 277	(B,214,53)	RS1/16S101J		R 481	(B,154,58)	RS1/16S104J
	R 278	(B,213,61)	RS1/16S101J		R 482	(B,154,62)	RS1/16S104J
	R 279	(A,192,44)	RS1/16S104J		R 483	(B,144,76)	RS1/16S104J
	R 282	(A,188,38)	RS1/16S473J		R 484	(A,165,71)	RS1/16S104J
C	R 284	(B,186,38)	RS1/16S332J		R 485	(A,157,80)	RS1/16S472J
	R 286	(B,188,38)	RS1/16S332J		R 488	(A,165,73)	RS1/16S0R0J
	R 288	(B,191,38)	RS1/16S332J		R 493	(A,141,71)	RS1/16S102J
	R 290	(B,197,38)	RS1/16S332J		R 494	(A,141,83)	RS1/16S911J
	R 291	(B,200,45)	RS1/16S0R0J		R 495	(A,147,71)	RS1/16S272J
	R 292	(B,199,39)	RS1/16S182J		R 496	(A,148,83)	RS1/16S272J
	R 293	(B,202,45)	RS1/16S0R0J		R 497	(A,139,69)	RS1/16S153J
	R 294	(B,202,39)	RS1/16S0R0J		R 498	(A,139,83)	RS1/16S153J
	R 298	(B,214,39)	RS1/16S101J		R 499	(B,133,72)	RS1/16S103J
	R 303	(B,156,37)	RS1/16S101J		R 500	(B,133,79)	RS1/16S104J
D	R 304	(B,155,43)	RS1/16S101J		R 502	(B,144,80)	RS1/16S204J
	R 305	(B,160,49)	RS1/16S101J		R 504	(B,171,86)	RS1/16S222J
	R 306	(B,164,61)	RS1/16S101J		R 506	(B,165,87)	RS1/16S104J
	R 307	(B,165,68)	RS1/16S101J		R 507	(B,163,92)	RS1/16S104J
	R 308	(B,171,72)	RS1/16S101J		R 508	(A,162,82)	RS1/16S272J
	R 311	(A,258,102) METAL OXIDE RESISTOR	RS1LMF101J		R 512	(A,159,83)	RS1/16S102J
	R 312	(A,266,102) METAL OXIDE RESISTOR	RS1LMF101J		R 514	(A,157,83)	RS1/16S153J
	R 431	(A,131,93)	RS1/16S104J		R 515	(A,157,96)	RS1/16S0R0J
	R 432	(A,127,93)	RS1/16S104J		R 516	(B,150,89)	RS1/16S103J
	R 433	(A,128,93)	RS1/16S104J		R 5005	(B,80,13)	RS1/16S0R0J
E	R 434	(A,134,93)	RS1/16S104J		R 5010	(A,76,24)	RS1/16S473J
	R 435	(A,126,93)	RS1/16S104J		R 5011	(A,81,15)	RS1/16S473J
	R 436	(A,130,93)	RS1/16S104J		R 5012	(A,82,12)	RS1/16S102J
	R 438	(A,81,98)	RS1/16S104J		R 5013	(A,57,26)	RS1/16S102J
	R 439	(A,86,96)	RS1/16S104J		R 5016	(B,82,13)	RS1/16S0R0J
	R 440	(A,81,108)	RS1/16S754J		R 5020	(A,73,13)	RS1/16S0R0J
	R 441	(A,79,98)	RS1/16S222J		R 9002	(A,129,89)	RS1/16S473J
	R 442	(A,77,98)	RS1/16S104J		R 9005	(A,91,55)	RS1/16S0R0J
	R 443	(A,63,104)	RS1/16S471J		R 9006	(B,103,89)	RS1/16S474J
	R 445	(A,73,108)	RS1/16S223J		R 9007	(B,93,89)	RS1/16S474J
	R 446	(A,74,233)	RS1/16S104J		R 9008	(A,86,90)	RS1/16S221J
F	R 447	(A,88,94)	RS1/16S472J		R 9009	(A,65,85)	RS1/16S473J
	R 448	(A,89,104)	RS1/16S104J		R 9010	(B,115,45)	RS1/16S512J
	R 449	(A,80,108)	RS1/16S102J		R 9011	(A,63,76)	RS1/16S102J
	R 453	(A,146,35)	RS1/16S102J		R 9012	(A,63,73)	RS1/16S0R0J

Mark No.	Description	Part No.
R	9013(B,112,45)	RS1/16S471J
R	9014(B,104,54)	RS1/16S471J
R	9015(B,101,54)	RS1/16S471J
R	9016(B,99,54)	RS1/16S471J
R	9017(B,97,54)	RS1/16S471J
R	9018(B,95,54)	RS1/16S471J
R	9019(B,98,76)	RS1/16S471J
R	9020(B,99,76)	RS1/16S471J
R	9021(B,101,76)	RS1/16S471J
R	9022(B,103,76)	RS1/16S471J
R	9023(B,103,68)	RS1/16S472J
R	9026(B,107,68)	RS1/16S0R0J
R	9028(B,119,45)	RS1/16S104J
R	9030(A,68,79)	RS1/16S470J
R	9031(B,69,48)	RS1/16S104J
R	9032(A,66,59)	RS1/16S104J
R	9033(B,89,48)	RS1/16S104J
R	9036(A,88,89)	RS1/16S221J
R	9037(A,124,99)	RS1/16S104J
R	9039(A,87,58)	RS1/16S104J
R	9041(B,117,45)	RS1/16S104J
R	9042(B,83,81)	RS1/16S103J
R	9043(B,81,81)	RS1/16S103J
R	9044(B,79,81)	RS1/16S103J
R	9045(A,98,46)	RS1/16S471J
R	9046(A,107,45)	RS1/16S471J
R	9047(A,99,46)	RS1/16S103J
R	9048(A,98,43)	RS1/16S103J
R	9060(B,98,68)	RS1/16S473J
R	9062(B,87,48)	RS1/16S471J
R	9064(A,54,74)	RS1/16S103J
R	9065(A,56,74)	RS1/16S103J
R	9066(A,62,72)	RS1/16S103J
R	9067(A,57,83)	RS1/16S103J
R	9081(A,120,72)	RS1/16S221J
R	9082(A,122,69)	RS1/16S274J

CAPACITORS

C	103 (B,295,56)	CCSRCH101J50
C	104 (B,296,51)	CCSRCH101J50
C	105 (B,293,45)	CCSRCH101J50
C	106 (B,296,40)	CCSRCH101J50
C	107 (B,293,86)	CCSRCH101J50
C	108 (B,296,81)	CCSRCH101J50
C	109 (B,293,72)	CCSRCH101J50
C	110 (B,296,68)	CCSRCH101J50
C	111 (B,296,111)	CCSRCH101J50
C	112 (B,297,107)	CCSRCH101J50
C	113 (B,293,100)	CCSRCH101J50
C	114 (B,296,96)	CCSRCH101J50
C	115 (B,262,98)	CKSRYB103K50
C	116 (B,267,97)	CKSRYB103K50
C	117 (A,287,109)	CCSRCH220J50
C	118 (B,285,109)	CCSRCH220J50
C	121 (A,280,34)	CEAT100M50
C	122 (A,280,25)	CEAT100M50
C	125 (A,280,62)	CEAT100M50
C	126 (A,280,53)	CEAT100M50
C	127 (A,280,47)	CEAT100M50
C	128 (A,280,40)	CEAT100M50
C	131 (A,280,87)	CEAT100M50
C	132 (A,280,80)	CEAT100M50
C	133 (A,280,74)	CEAT100M50
C	134 (A,280,67)	CEAT100M50
C	135 (A,280,114)	CEAT100M50
C	136 (A,280,106)	CEAT100M50
C	137 (A,280,101)	CEAT100M50
C	138 (A,280,93)	CEAT100M50
C	141 (A,256,82)	CKSRYB104K50
C	145 (B,256,81)	CCSRCH101J50
C	146 (B,258,81)	CCSRCH101J50
C	147 (B,253,81)	CKSRYB103K50
C	148 (B,238,67)	CKSRYB223K25
C	149 (B,235,67)	CKSRYB473K25
C	150 (B,231,67)	CKSQYB154K16
C	151 (B,49,51)	CKSRYB103K50
C	152 (B,230,62)	CKSRYB223K25
C	153 (B,234,62)	CKSRYB473K25
C	154 (B,232,62)	CKSQYB154K16
C	155 (A,226,62)	CEAT101M16
C	156 (A,229,56)	CEAT101M16
C	157 (A,236,56)	CEAT101M16
C	158 (A,232,50)	CEAT101M16
C	159 (A,241,50)	CEAT101M16
C	160 (A,234,44)	CEAT101M16
C	161 (A,241,44)	CEAT101M16
C	162 (A,248,44)	CEAT101M16
C	165 (A,240,86)	CEAT1R0M50
C	166 (A,248,86)	CEAT1R0M50
C	170 (A,236,116)	CEAT100M50
C	171 (A,242,116)	CEAT100M50
C	179 (B,294,76)	CKSRYB103K50
C	180 (A,277,16)	CKSRYB103K50
C	181 (A,283,30)	CCSRCH101J50
C	182 (B,285,28)	CCSRCH101J50
C	185 (A,286,44)	CCSRCH101J50
C	186 (B,288,42)	CCSRCH101J50
C	187 (A,286,90)	CCSRCH101J50
C	188 (A,284,83)	CCSRCH101J50
C	189 (A,284,71)	CCSRCH101J50
C	190 (B,287,70)	CCSRCH101J50
C	191 (B,283,97)	CCSRCH101J50
C	192 (B,285,96)	CCSRCH101J50
C	197 (B,292,29)	CCSRCH101J50
C	198 (B,294,25)	CCSRCH101J50
C	199 (A,281,50)	CKSRYB103K50
C	201 (A,183,85)	CEAT2R2M50
C	202 (A,184,92)	CEAT2R2M50
C	203 (A,191,85)	CCSRCH471J50
C	204 (A,191,90)	CCSRCH471J50
C	205 (A,193,85)	CCSRCH331J50
C	206 (A,194,90)	CCSRCH331J50
C	207 (B,193,85)	CCSRCH331J50
C	208 (B,193,91)	CCSRCH331J50
C	213 (A,223,84)	CEAT100M50
C	214 (A,223,90)	CEAT100M50
C	215 (B,233,84)	CKSRYB103K50
C	216 (B,231,89)	CKSRYB103K50
C	217 (A,202,85)	CKSRYB103K50
C	218 (A,202,90)	CKSRYB103K50

Mark	No.		Description	Part No.
	C 219	(A,221,87)		CKSRYB104K16
	C 220	(A,210,93)		CKSRYB104K16
	C 221	(A,230,75)		CKSRYB103K50
	C 222	(A,243,70)		CKSRYB103K50
	C 241	(A,183,70)		CEAT2R2M50
	C 242	(A,183,77)		CEAT2R2M50
	C 243	(A,192,69)		CCSRCH101J50
	C 244	(A,192,74)		CCSRCH101J50
	C 245	(A,194,69)		CCSRCH331J50
	C 246	(A,194,74)		CCSRCH331J50
	C 247	(B,193,69)		CCSRCH331J50
	C 248	(B,193,75)		CCSRCH331J50
	C 249	(A,205,69)		CEAT100M50
	C 250	(A,205,75)		CEAT100M50
	C 251	(A,204,65)		CKSRYB103K50
	C 252	(A,211,78)		CKSRYB103K50
	C 253	(B,43,89)		CKSRYB103K50
	C 254	(A,58,108)	ELECT. CAPACITOR	CEAT101M25
	C 255	(A,51,108)	ELECT. CAPACITOR	CEANP470M25
	C 256	(A,81,105)		CKSRYB103K50
	C 257	(B,216,69)		CKSRYB472K50
	C 258	(B,217,75)		CKSRYB472K50
	C 261	(A,183,54)		CEAT2R2M50
	C 262	(A,183,62)		CEAT2R2M50
	C 263	(A,192,53)		CCSRCH101J50
	C 264	(A,191,59)		CKSRYB223K25
	C 265	(A,194,53)		CCSRCH331J50
	C 266	(A,194,59)		CKSRYB103K50
	C 267	(B,193,53)		CCSRCH331J50
	C 268	(B,193,60)		CKSRYB562K50
	C 269	(A,205,54)		CEAT100M50
	C 270	(A,205,60)		CEAT100M50
	C 271	(A,203,51)		CKSRYB103K50
	C 272	(A,210,64)		CKSRYB103K50
	C 277	(B,216,53)		CKSRYB472K50
	C 278	(B,215,61)		CKSRYB472K50
	C 282	(A,184,39)		CEAT2R2M50
	C 284	(A,190,38)		CCSRCH101J50
	C 286	(A,194,38)		CCSRCH331J50
	C 288	(B,193,38)		CCSRCH331J50
	C 290	(A,206,38)		CEAT100M50
	C 291	(A,216,39)		CKSRYB103K50
	C 292	(A,216,48)		CKSRYB103K50
	C 298	(B,216,39)		CKSRYB472K50
	C 321	(A,153,38)		CEAT100M50
	C 322	(A,153,45)		CEAT100M50
	C 323	(A,145,35)		CCSRCH101J50
	C 324	(A,140,47)		CCSRCH101J50
	C 325	(A,136,39)	ELECT. CAPACITOR	CEAT220M50
	C 326	(A,136,46)	ELECT. CAPACITOR	CEAT220M50
	C 327	(A,132,42)		CKSRYB103K50
	C 328	(A,132,38)		CKSRYB103K50
	C 333	(A,255,93)		CEAT101M10
	C 334	(A,268,81)		CEAT101M10
	C 341	(A,161,56)		CEAT100M50
	C 342	(A,161,63)		CEAT100M50
	C 343	(A,149,51)		CCSRCH101J50
	C 344	(A,150,66)		CCSRCH101J50
	C 345	(A,145,56)	ELECT. CAPACITOR	CEAT220M50
	C 346	(A,145,63)	ELECT. CAPACITOR	CEAT220M50
	C 347	(A,140,64)		CKSRYB103K50
	C 348	(A,141,58)		CKSRYB103K50
	C 361	(A,161,70)		CEAT100M50
	C 362	(A,169,70)		CEAT100M50
	C 363	(A,139,68)		CCSRCH101J50
	C 364	(A,139,84)		CKSRYB472K50
	C 365	(A,136,73)	ELECT. CAPACITOR	CEAT220M50
	C 366	(A,136,80)	ELECT. CAPACITOR	CEANP4R7M50
	C 367	(A,135,88)		CKSRYB103K50
	C 368	(A,147,75)		CKSRYB103K50
	C 370	(A,161,74)		CEAT4R7M50
	C 384	(A,167,87)		CEAT100M50
	C 386	(A,157,84)		CCSRCH101J50
	C 387	(A,157,95)		CCSRCH101J50
	C 388	(A,153,90)	ELECT. CAPACITOR	CEAT220M50
	C 390	(A,164,88)		CKSRYB103K50
	C 392	(B,91,95)		CKSRYB102K50
	C 393	(A,156,92)		CKSRYB103K50
	C 1031	(A,286,57)		CCSRCH220J50
	C 1041	(B,287,55)		CCSRCH220J50
	C 5001	(B,233,10)		CKSRYB102K50
	C 5002	(B,235,10)		CKSRYB103K50
	C 5003	(B,237,10)		CKSRYB105K10
	C 5011	(A,77,16)		CEJQ100M50
	C 5013	(A,54,17)		CCSRCH270J50
	C 5014	(A,54,18)		CCSRCH270J50
	C 5015	(A,59,20)		CEJQ470M16
	C 5016	(A,54,15)		CKSRYB103K50
	C 5017	(A,73,14)		CCSRCH561J50
	C 5020	(A,69,13)		CKSRYB472K50
	C 5025	(A,166,12)		CKSRYB102K50
	C 5026	(A,169,13)		CKSRYB102K50
	C 5027	(A,177,12)		CKSRYB102K50
	C 5028	(A,179,13)		CCSRCH220J50
	C 9004	(A,121,94)		CKSRYB103K50
	C 9005	(A,116,99)		CEJQ2R2M50
	C 9006	(A,122,88)		CKSRYB105K10
	C 9007	(A,79,92)	ELECT. CAPACITOR	CEAT331M6R3
	C 9008	(B,77,90)		CKSRYB103K50
	C 9011	(B,95,89)		CKSRYB473K16
	C 9014	(B,87,88)		CKSRYB473K16
	C 9015	(A,100,95)		CKSRYB102K50
	C 9018	(B,72,72)		CKSRYB104K50
	C 9081	(A,120,69)		CKSRYB103K50

B DSP ASSY

MISCELLANEOUS

Mark	No.		Description	Part No.
	IC 501	(B,118,52)	IC	TC74HCU04AF
	IC 601	(A,107,50)	DA I/F TRANSCEIVER	AK4114VQ
	IC 701	(A,75,43)	CODEC IC	AK4628AVQ
	IC 801	(A,42,53)	DSP IC	DSPC56371AF180
	IC 802	(A,44,38)	IC	TC7WU04FU
	IC 871	(B,63,53)	IC	TC7WH125FU
⚠	IC 901	(B,120,30)	IC	NJM2391DL1-33
⚠	IC 902	(B,94,36)	REGULATOR IC	LM1117DT-ADJ
	IC 952	(B,19,48)	OCTAL BUS BUFFER IC	TC74VHCT244AFTS1
	D 701	(A,79,33)	DIODE	DAP202K
	D 702	(B,80,32)	DIODE	DAN202K

Mark No.	Description	Part No.
D 901	(B,116,38) DIODE	UDZS5R6(B)
D 902	(B,102,33) DIODE	UDZS5R6(B)
L 501	(B,127,29) CHIP SOLID INDUCTOR	QTL1013
L 502	(B,130,40) CHIP SOLID INDUCTOR	QTL1013
L 503	(A,122,62) CHIP SOLID INDUCTOR	QTL1013
L 601	(B,103,62) CHIP SOLID INDUCTOR	QTL1013
L 602	(A,98,49) CHIP SOLID INDUCTOR	QTL1013
L 605	(A,117,43) CHIP SOLID INDUCTOR	QTL1013
L 701	(B,66,43) CHIP SOLID INDUCTOR	QTL1013
L 702	(A,94,38) CHIP SOLID INDUCTOR	QTL1013
L 801	(A,47,38) CHIP SOLID INDUCTOR	QTL1013
L 802	(A,50,42) CHIP SOLID INDUCTOR	ATL7002
L 803	(A,58,52) CHIP SOLID INDUCTOR	ATL7002
L 804	(B,35,48) CHIP SOLID INDUCTOR	QTL1013
L 871	(B,68,56) CHIP SOLID INDUCTOR	QTL1013
L 901	(B,105,32) CHIP SOLID INDUCTOR	ATL7002
L 902	(B,100,33) CHIP SOLID INDUCTOR	ATL7002
L 952	(B,25,56) CHIP SOLID INDUCTOR	QTL1013
JA501	(A,140,35) JACK	AKB7131
X 601	(A,106,39) CRYSTAL RESONATOR (12.288MHz)	ASS7046
X 801	(A,36,36) CRYSTAL RESONATOR (20 MHz)	VSS1171
CN601	(A,100,63) 10P CONNECTOR	VKN1414
CN701	(A,81,28) 19P SOCKET	XKP3080
CN902	(A,114,28) 13P SOCKET	XKP3077
CN952	(A,43,28) 15P SOCKET	XKP3078

RESISTORS

R 501	(B,129,29)	RS1/16S750J
R 502	(B,127,42)	RS1/16S750J
R 503	(B,123,42)	RS1/16S473J
R 504	(A,117,62)	RS1/16S473J
R 505	(A,115,62)	RS1/16S0R0J
R 506	(B,123,38)	RS1/16S222J
R 507	(A,118,62)	RS1/16S222J
R 508	(B,121,42)	RS1/16S101J
R 509	(B,117,62)	RS1/16S101J
R 512	(B,121,62)	RS1/16S101J
R 513	(B,123,62)	RS1/16S101J
R 551	(B,63,60)	RS1/16S104J
R 552	(B,65,60)	RS1/16S104J
R 553	(B,67,60)	RS1/16S104J
R 554	(B,69,60)	RS1/16S104J
R 555	(B,71,60)	RS1/16S104J
R 556	(B,75,60)	RS1/16S104J
R 557	(B,77,60)	RS1/16S104J
R 558	(B,79,60)	RS1/16S104J
R 559	(B,81,62)	RS1/16S104J
R 560	(B,83,62)	RS1/16S104J
R 561	(B,85,62)	RS1/16S104J
R 572	(A,90,54)	RS1/16S0R0J
R 573	(B,90,54)	RS1/16S0R0J
R 574	(B,76,56)	RS1/16S0R0J
R 575	(B,74,56)	RS1/16S0R0J
R 577	(B,93,61)	RS1/16S104J
R 579	(A,96,58)	RS1/16S0R0J
R 601	(A,110,57)	RS1/16S0R0J
R 602	(A,109,57)	RS1/16S0R0J
R 603	(A,107,57)	RS1/16S0R0J
R 604	(B,111,63)	RS1/16S104J
R 605	(B,109,63)	RS1/16S104J
R 606	(B,107,63)	RS1/16S104J
R 607	(A,106,57)	RS1/16S0R0J
R 609	(A,99,57)	RS1/16S0R0J
R 610	(B,101,62)	RS1/16S0R0J
R 612	(A,96,47)	RS1/16S0R0J
R 613	(A,99,52)	RS1/16S101J
R 614	(A,97,58)	RS1/16S101J
R 615	(A,99,47)	RS1/16S470J
R 616	(A,99,46)	RS1/16S101J
R 617	(A,99,44)	RS1/16S101J
R 618	(A,99,43)	RS1/16S101J
R 620	(A,99,41)	RS1/16S470J
R 622	(A,111,42)	RS1/16S0R0J
R 623	(A,114,42)	RS1/16S0R0J
R 624	(A,114,43)	RS1/16S101J
R 625	(A,114,44)	RS1/16S101J
R 626	(A,114,46)	RS1/16S101J
R 627	(A,113,40)	RS1/16S103J
R 628	(A,115,51)	RS1/16S1802F
R 629	(A,115,53)	RS1/16S0R0J
R 630	(A,115,57)	RS1/16S0R0J
R 701	(B,76,49)	RS1/16S470J
R 702	(B,72,49)	RS1/16S101J
R 703	(B,62,40)	RS1/16S0R0J
R 704	(B,68,41)	RS1/16S4R7J
R 705	(A,58,32)	RS1/16S101J
R 706	(A,61,32)	RS1/16S101J
R 707	(A,63,32)	RS1/16S101J
R 708	(A,66,32)	RS1/16S101J
R 709	(A,68,32)	RS1/16S101J
R 710	(A,71,32)	RS1/16S101J
R 711	(A,73,32)	RS1/16S101J
R 712	(A,76,32)	RS1/16S101J
R 713	(A,84,44)	RS1/16S470J
R 714	(A,84,49)	RS1/16S101J
R 715	(A,85,50)	RS1/16S101J
R 716	(A,82,51)	RS1/16S101J
R 801	(A,54,63)	RS1/16S470J
R 802	(A,45,64)	RAB4C101J
R 803	(B,50,62)	RS1/16S103J
R 804	(B,48,62)	RS1/16S103J
R 805	(B,46,62)	RS1/16S103J
R 806	(B,44,62)	RS1/16S103J
R 807	(B,42,56)	RS1/16S473J
R 808	(B,35,56)	RS1/16S472J
R 809	(B,40,56)	RS1/16S472J
R 810	(A,31,52)	RS1/16S473J
R 811	(B,30,51)	RS1/16S472J
R 812	(B,32,51)	RS1/16S101J
R 813	(A,27,49)	RS1/16S103J
R 815	(A,38,40)	RS1/16S105J
R 816	(A,35,40)	RS1/16S471J
R 817	(A,44,42)	RS1/16S101J
R 819	(B,38,49)	RS1/16S101J
R 820	(B,35,43)	RS1/16S0R0J
R 822	(B,42,44)	RS1/16S103J
R 823	(B,43,50)	RS1/16S473J
R 827	(B,51,51)	RS1/16S470J

Mark	No.		Description	Part No.
	R	832	(A,53,54)	RS1/16S470J
	R	833	(A,57,57)	RS1/16S470J
	R	834	(A,57,58)	RS1/16S470J
A	R	835	(A,57,60)	RS1/16S470J
	R	836	(A,57,61)	RS1/16S470J
	R	840	(A,23,49)	RS1/16S101J
	R	841	(A,63,46)	RS1/16S473J
	R	852	(B,53,45)	RS1/16S222J
	R	871	(B,58,48)	RS1/16S470J
	R	872	(B,60,48)	RS1/16S470J
	R	873	(B,60,56)	RS1/16S470J
	R	874	(B,58,56)	RS1/16S470J
	R	904	(B,113,31)	RS1/16S104J
	R	905	(B,111,33)	RS1/16S104J
B	R	906	(B,107,31)	RS1/16S104J
	R	908	(A,121,27)	RS1/16S0R0J
	R	913	(A,85,30)	RS1/16S0R0J
	R	915	(B,89,37)	RS1/16S102J
	R	951	(A,26,49)	RS1/16S101J
	R	952	(A,25,49)	RS1/16S101J
	R	953	(A,22,49)	RS1/16S101J
	R	954	(B,22,39)	RS1/16S331J
	R	955	(B,20,39)	RS1/16S331J
	R	956	(B,18,39)	RS1/16S331J
C	R	957	(B,16,39)	RS1/16S331J
	R	958	(A,17,44)	RS1/16S331J
	R	959	(A,18,44)	RS1/16S331J
	R	960	(A,19,45)	RS1/16S331J
	R	961	(A,21,45)	RS1/16S331J
	R	962	(A,20,31) RESISTOR ARRAY	RAB4C104J
	R	967	(A,29,32)	RS1/16S104J
	R	968	(A,31,32)	RS1/16S104J
	R	969	(A,33,32)	RS1/16S104J
	R	970	(A,37,32) RESISTOR ARRAY	RAB4C104J
	R	974	(A,42,32)	RS1/16S0R0J
D	R	975	(A,15,52)	RS1/16S101J
	R	976	(A,16,52)	RS1/16S101J
	R	983	(B,15,32)	RS1/16S0R0J

CAPACITORS

	C	503	(B,125,29)	CKSRYB103K50
	C	504	(B,125,42)	CKSRYB103K50
	C	505	(B,125,38)	CCSRCH470J50
	C	506	(A,121,62)	CCSRCH470J50
	C	511	(B,125,52)	CCSRCH471J50
	C	512	(B,127,52)	CKSRYB105K6R3
E	C	513	(A,121,56)	CEVW101M16
	C	605	(A,99,55)	CCSRCH471J50
	C	606	(A,100,55)	CKSRYB104K16
	C	607	(A,94,53)	CEVW470M6R3
	C	608	(A,99,49)	CCSRCH471J50
	C	609	(A,100,49)	CKSRYB104K16
	C	612	(A,103,42)	CCSRCH120J50
	C	613	(A,107,42)	CCSRCH120J50
	C	614	(B,111,41)	CKSRYB104K16
	C	617	(B,117,42)	CKSRYB102K50
	C	618	(A,121,45)	CEVW470M6R3
F	C	619	(A,116,48)	CKSRYB104K16
	C	620	(A,114,48)	CCSRCH471J50
	C	621	(A,114,51)	CKSRYB474K10

Mark	No.		Description	Part No.
	C	701	(A,65,47)	CKSRYB103K50
	C	702	(A,66,47)	CCSRCH471J50
	C	703	(A,62,38)	CEVW101M16
	C	704	(A,65,44)	CKSRYB104K16
	C	705	(A,66,44)	CCSRCH101J50
	C	706	(B,64,40)	CKSRYB104K16
	C	707	(B,58,33)	CCSRCH471J50
	C	708	(B,61,33)	CCSRCH471J50
	C	709	(B,63,33)	CCSRCH471J50
	C	710	(B,66,33)	CCSRCH471J50
	C	711	(B,68,33)	CCSRCH471J50
	C	712	(B,71,33)	CCSRCH471J50
	C	713	(B,73,33)	CCSRCH471J50
	C	714	(B,76,33)	CCSRCH471J50
	C	715	(A,88,42)	CEVW101M16
	C	716	(A,84,41)	CKSRYB104K16
	C	717	(A,83,41)	CCSRCH471J50
	C	718	(A,85,33)	CEVW470M6R3
	C	720	(A,83,38)	CKSRYB104K16
	C	801	(A,49,63)	CCSRCH471J50
	C	802	(A,49,64)	CKSRYB104K16
	C	803	(A,42,63)	CCSRCH471J50
	C	804	(A,42,64)	CKSRYB104K16
	C	805	(A,37,63)	CCSRCH471J50
	C	806	(A,37,64)	CKSRYB104K16
	C	807	(A,32,58)	CCSRCH471J50
	C	808	(A,31,58)	CKSRYB104K16
	C	809	(A,32,55)	CCSRCH471J50
	C	810	(A,31,55)	CKSRYB104K16
	C	814	(A,32,47)	CCSRCH471J50
	C	815	(A,31,47)	CKSRYB104K16
	C	816	(A,32,40)	CCSRCH8R0D50
	C	817	(A,41,40)	CCSRCH8R0D50
	C	818	(A,46,34)	CCSRCH471J50
	C	819	(A,46,33)	CKSRYB104K16
	C	820	(A,46,31)	CKSRYB103K50
	C	821	(A,35,43)	CCSRCH471J50
	C	822	(A,35,42)	CKSRYB104K16
	C	823	(A,37,43)	CCSRCH471J50
	C	824	(A,37,42)	CKSRYB104K16
	C	825	(B,38,52)	CKSRYB103K50
	C	826	(A,44,44)	CCSRCH471J50
	C	827	(A,41,44)	CKSRYB104K16
	C	828	(A,53,48)	CCSRCH471J50
	C	829	(A,54,48)	CKSRYB104K16
	C	830	(A,53,52)	CCSRCH471J50
	C	831	(A,54,52)	CKSRYB104K16
	C	832	(A,53,57)	CCSRCH471J50
	C	833	(A,54,57)	CKSRYB104K16
	C	834	(A,52,28)	CEVW101M16
	C	835	(A,63,52)	CEVW101M16
	C	871	(B,66,52)	CCSRCH471J50
	C	872	(B,68,52)	CKSRYB104K16
	C	907	(B,114,38)	CKSRYB104K16
	C	908	(A,121,37)	CEVW101M16
	C	909	(A,96,34)	CEVW101M16
	C	916	(B,67,47)	CCSRCH471J50
	C	917	(B,69,47)	CKSRYB103K50
	C	918	(B,79,49)	CKSRYB104K16
	C	919	(B,80,49)	CCSRCH471J50

Mark	No.	Description	Part No.
	C 954	(B,26,52)	CCSRCH471J50
	C 955	(B,28,52)	CKSRYB104K16
	C 956	(A,24,54)	CEVW100M16

C POWER PACK ASSY (XWZ4082)

MISCELLANEOUS

Mark	No.	Description	Part No.
⚠	IC 601	(A,265,14) POWER PACK 2CH	STK412-230C
⚠	IC 602	(A,199,14) POWER PACK 2CH	STK412-230C
⚠	IC 603	(A,132,14) POWER PACK 3CH	STK413-230C
⚠	IC 610	(A,59,28) PROTECTOR(1A)	AEK7009
⚠	IC 803	(A,238,87) IC	TA7805S
⚠	IC 804	(A,282,111) REGULATOR IC	TA7809S
⚠	IC 805	(B,271,135) IC	BA178M05FP
	Q 501	(B,85,42) CHIP TRANSISTOR	2SD2704K
	Q 505	(A,111,47) TRANSISTOR	2SC2240
	Q 601	(B,93,47) CHIP TRANSISTOR	2SD2704K
	Q 602	(B,227,45) CHIP TRANSISTOR	2SD2704K
	Q 605	(A,118,40) TRANSISTOR	2SC2240
	Q 606	(A,252,40) TRANSISTOR	2SC2240
	Q 631	(B,153,42) CHIP TRANSISTOR	2SD2704K
	Q 633	(A,178,47) TRANSISTOR	2SC2240
	Q 651	(B,161,45) CHIP TRANSISTOR	2SD2704K
	Q 652	(B,219,42) CHIP TRANSISTOR	2SD2704K
	Q 655	(A,186,40) TRANSISTOR	2SC2240
	Q 656	(A,244,47) TRANSISTOR	2SC2240
	Q 681	(B,72,63) CHIP TRANSISTOR	2SD2704K
	Q 683	(A,59,65) TRANSISTOR	2SC2240
	Q 696	(B,284,22) TRANSISTOR	2SC4081
	Q 697	(B,282,26) TRANSISTOR	2SC4081
	Q 698	(B,246,67) TRANSISTOR	RT1N241M
⚠	Q 701	(A,110,75) TRANSISTOR	2SC5511
⚠	Q 702	(A,96,86) TRANSISTOR	2SA2005
	Q 703	(A,155,76) TRANSISTOR	2SA1145
	Q 704	(A,166,79) TRANSISTOR	2SC2240
	Q 705	(B,245,74) CHIP TRANSISTOR	RN4903
	Q 707	(B,241,74) CHIP TRANSISTOR	RN4903
	Q 721	(A,142,71) TRANSISTOR	2SA1145
	Q 722	(A,161,74) TRANSISTOR	2SC2240
	Q 801	(B,277,141) DIGITAL TR(SC-70)	RT1P241M
	Q 802	(B,274,145) TRANSISTOR	RT1N241M
	Q 803	(B,265,140) DIGITAL TR(SC-70)	RT1P241M
	Q 804	(B,268,145) TRANSISTOR	RT1N241M
	Q 805	(B,277,146) DIGITAL TR(SC-70)	RT1P241M
	Q 806	(B,271,145) TRANSISTOR	RT1N241M
	Q 807	(B,276,53) CHIP TR(2*PNP)	RN2903
	Q 808	(B,283,56) CHIP TRANSISTOR	RN1903
	Q 809	(A,266,101) TRANSISTOR	2SD1858X
	D 601	(A,125,57) DIODE	1SS133
	D 602	(A,267,17) ZENER DIODE	MTZJ15A
	D 603	(A,119,57) DIODE	1SS133
	D 604	(A,261,21) ZENER DIODE	MTZJ15A
	D 606	(A,259,57) DIODE	1SS133
	D 608	(A,253,52) DIODE	1SS133
	D 631	(A,192,61) DIODE	1SS133
	D 632	(A,176,52) DIODE	1SS133
	D 647	(A,200,17) ZENER DIODE	MTZJ15A
	D 648	(A,196,21) ZENER DIODE	MTZJ15A
	D 651	(A,192,57) DIODE	1SS133
	D 652	(A,262,57) DIODE	1SS133
	D 653	(A,186,52) DIODE	1SS133
	D 654	(A,242,52) DIODE	1SS133
	D 681	(A,132,17) ZENER DIODE	MTZJ15A
	D 682	(A,129,22) ZENER DIODE	MTZJ15A
	D 683	(A,135,58) DIODE	1SS133
	D 684	(A,65,72) DIODE	1SS133
⚠	D 701	(A,9,88) DIODE	D5SBA20(B)
⚠	D 702	(A,9,126) DIODE	D5SBA20(B)
	D 703	(B,252,76) DIODE	1SS355
	D 711	(A,196,103) ZENER DIODE	MTZJ22D
	D 712	(A,192,103) DIODE	MTZJ6R8(B)
	D 713	(A,120,78) DIODE	1SS133
	D 752	(B,170,135) DIODE	1SS355
	D 754	(B,141,132) DIODE	1SS355
	D 758	(B,73,136) DIODE	1SS355
	D 777	(A,127,57) DIODE	1SS133
	D 778	(A,108,57) DIODE	1SS133
⚠	D 801	(B,221,113) BRIDGE DIODE	S1WB(A)60SD
	D 805	(A,276,131) DIODE	1SS133
	D 806	(A,287,62) DIODE	MTZJ6R2(B)
	D 807	(A,284,67) DIODE	1SS133
	D 827	(A,262,133) DIODE	MTZJ6R2(B)
	D 828	(A,239,98) DIODE	MTZJ6R2(B)
⚠	D 829	(A,239,128) DIODE	D3SBA20(B)
	L 501	(A,97,118) COIL	ATH1004
	L 751	(A,160,108) COIL	ATH1004
	L 752	(A,173,108) COIL	ATH1004
	L 753	(A,120,107) COIL	ATH1004
	L 754	(A,78,118) COIL	ATH1004
	L 761	(A,130,108) COIL	ATH1004
	L 762	(A,142,108) COIL	ATH1004
	J 43	JUMPER WIRE 11P	D20PYY1120E
	KN601	(A,65,23) WRAPPING TERMINAL	VNF1084
	RY501	(A,75,132) RELAY	XSR3012
	RY751	(A,173,130) RELAY	XSR3012
	RY752	(A,141,126) RELAY	XSR3012
	RY753	(A,117,120) RELAY	XSR3012
	CN701	(A,212,134) 11PJUMPER CONNECTOR	52147-1110
	CN702	(A,201,106) 6P JUMPER CONNECTOR	52147-0610
	CN705	(A,295,40) 21P PLUG	XKM3011
	CN751	SP TERMINAL 8-P(V0)	XKE3039
	CN752	SP TERMINAL 6-P(V0)	XKE3040
	CN803	(A,231,129) 6P PLUG	KM200TA6
	CN805	(A,317,153) 13P PLUG	XKP3066
	CN806	19P PLUG	XKP3069
	CN807	(A,317,82) 15P PLUG	XKP3067
	CN815	(A,295,79) 19P PLUG	XKM3005
	CN816	(A,295,126) 21P PLUG	XKM3011
	CN817	(A,308,38) CONNECTOR	CKS3382
	810	(A,277,90) 11P CABLE HOLDER	51048-1100

RESISTORS

	R 601	(A,96,56)	RD1/4PU222J
	R 602	(A,230,52)	RD1/4PU222J
	R 603	(B,93,52)	RS1/16S103J
	R 604	(B,226,49)	RS1/16S103J
	R 609	(A,91,35)	RD1/4PU273J
	R 610	(A,225,35)	RD1/4PU273J
	R 611	(A,90,28)	RD1/4PU821J
	R 612	(A,223,28)	RD1/4PU821J

Mark	No.		Description	Part No.
	R	613	(A,114,21)	RD1/4PU273J
	R	614	(A,247,21)	RD1/4PU273J
	R	615	(A,123,36)	RD1/4PU331J
	R	616	(A,270,29)	RD1/4PU562J
⚠	R	617	(A,114,31) RESISTOR (0.22, 5W)	ACN7094
	R	618	(A,266,28)	RD1/4PU562J
	R	619	(A,122,52)	RD1/4PU182J
	R	620	(A,257,36)	RD1/4PU331J
	R	621	(A,124,49)	RD1/4PU821J
⚠	R	622	(A,248,31) RESISTOR (0.22, 5W)	ACN7094
	R	623	(A,116,48)	RD1/4PU223J
	R	624	(A,257,52)	RD1/4PU182J
	R	626	(A,258,49)	RD1/4PU821J
	R	628	(A,250,48)	RD1/4PU223J
	R	630	(A,230,21)	RD1/4PU333J
	R	631	(A,148,46)	RD1/4PU222J
	R	632	(B,152,47)	RS1/16S103J
	R	635	(A,153,29)	RD1/4PU273J
	R	636	(A,149,25)	RD1/4PU821J
	R	637	(A,172,21)	RD1/4PU273J
	R	638	(A,174,36)	RD1/4PU331J
⚠	R	639	(A,173,31) RESISTOR (0.22, 5W)	ACN7094
	R	640	(A,179,57)	RD1/4PU182J
	R	641	(A,174,52)	RD1/4PU821J
	R	642	(A,169,39)	RD1/4PU223J
	R	647	(A,202,27)	RD1/4PU562J
	R	648	(A,199,27)	RD1/4PU562J
	R	651	(A,164,56)	RD1/4PU222J
	R	652	(A,215,41)	RD1/4PU222J
	R	653	(B,160,50)	RS1/16S103J
	R	654	(B,219,46)	RS1/16S103J
	R	659	(A,159,35)	RD1/4PU273J
	R	660	(A,220,29)	RD1/4PU273J
	R	661	(A,156,28)	RD1/4PU821J
	R	662	(A,216,20)	RD1/4PU821J
	R	663	(A,181,21)	RD1/4PU273J
	R	664	(A,238,21)	RD1/4PU273J
	R	665	(A,190,36)	RD1/4PU331J
	R	666	(A,240,35)	RD1/4PU331J
⚠	R	667	(A,182,31) RESISTOR (0.22, 5W)	ACN7094
⚠	R	668	(A,239,31) RESISTOR (0.22, 5W)	ACN7094
	R	669	(A,189,52)	RD1/4PU182J
	R	670	(A,245,52)	RD1/4PU182J
	R	671	(A,192,49)	RD1/4PU821J
	R	672	(A,240,57)	RD1/4PU821J
	R	673	(A,184,48)	RD1/4PU223J
	R	674	(A,236,38)	RD1/4PU223J
	R	681	(A,66,63)	RD1/4PU222J
	R	682	(B,76,63)	RS1/16S103J
	R	685	(A,77,41)	RD1/4PU273J
	R	686	(A,78,35)	RD1/4PU821J
	R	687	(A,83,10)	RD1/4PU273J
	R	688	(A,135,27)	RD1/4PU562J
	R	689	(A,133,27)	RD1/4PU562J
	R	690	(A,60,52)	RD1/4PU331J
⚠	R	691	(A,55,55) RESISTOR (0.22, 5W)	ACN7094
	R	692	(A,70,72)	RD1/4PU182J
	R	693	(A,67,77)	RD1/4PU821J
	R	694	(A,62,72)	RD1/4PU223J
	R	695	(A,97,22)	RD1/4PU333J
	R	696	(B,281,38)	RS1/16S103J
	R	697	(B,255,68)	RS1/16S103J
	R	698	(B,243,67)	RS1/16S333J
	R	699	(A,165,21)	RD1/4PU333J
	R	701	(A,117,78)	RD1/4PU562J
	R	702	(A,101,84)	RD1/4PU562J
	R	703	(A,151,72)	RD1/4PU203J
	R	704	(A,147,76)	RD1/4PU203J
	R	705	(A,283,85)	RD1/4PU473J
	R	706	(A,283,75)	RD1/4PU473J
	R	707	(A,135,77)	RD1/4PU184J
	R	708	(A,147,81)	RD1/4PU184J
⚠	R	709	(A,104,72) METAL OXIDE RESISTOR	RS1LMF272J
⚠	R	710	(A,89,93) METAL OXIDE RESISTOR	RS1LMF272J
⚠	R	711	(A,181,86) METAL OXIDE RESISTOR	RS2LMF242J
	R	713	(A,117,81)	RD1/4PU102J
	R	714	(B,252,68)	RS1/16S102J
	R	715	(B,250,75)	RS1/16S103J
	R	716	(B,247,75)	RS1/16S103J
	R	721	(A,125,77)	RD1/4PU682J
	R	722	(A,123,77)	RD1/4PU682J
	R	723	(A,276,78)	RD1/4PU473J
	R	724	(A,279,83)	RD1/4PU473J
	R	725	(A,276,74)	RD1/4PU103J
	R	726	(B,291,59)	RS1/16S103J
	R	727	(B,287,59)	RS1/16S103J
⚠	R	751	(A,158,119) CARBON FILM RESISTOR	RD1/4PUF101J
⚠	R	752	(A,185,120) CARBON FILM RESISTOR	RD1/4PUF101J
⚠	R	753	(A,156,126) METAL OXIDE RESISTOR	RS1LMF4R7J
⚠	R	754	(A,181,126) METAL OXIDE RESISTOR	RS1LMF4R7J
⚠	R	755	(A,103,117) CARBON FILM RESISTOR	RD1/4PUF101J
⚠	R	756	(A,101,120) METAL OXIDE RESISTOR	RS1LMF4R7J
⚠	R	761	(A,125,117) CARBON FILM RESISTOR	RD1/4PUF101J
⚠	R	762	(A,155,119) CARBON FILM RESISTOR	RD1/4PUF101J
⚠	R	763	(A,124,132) METAL OXIDE RESISTOR	RS1LMF4R7J
⚠	R	764	(A,149,139) METAL OXIDE RESISTOR	RS1LMF4R7J
⚠	R	771	(A,63,144) METAL OXIDE RESISTOR	RS1LMF4R7J
⚠	R	772	(A,63,127) CARBON FILM RESISTOR	RD1/4PUF101J
	R	777	(A,81,41)	RD1/4PU222J
	R	778	(B,84,48)	RS1/16S103J
	R	781	(A,87,30)	RD1/4PU273J
	R	782	(A,84,22)	RD1/4PU821J
	R	783	(A,104,21)	RD1/4PU273J
	R	784	(A,111,35)	RD1/4PU331J
⚠	R	785	(A,105,31) RESISTOR (0.22, 5W)	ACN7094
	R	786	(A,111,57)	RD1/4PU182J
	R	787	(A,106,57)	RD1/4PU821J
	R	788	(A,102,38)	RD1/4PU223J
	R	789	(A,82,127) CARBON FILM RESISTOR	RD1/4PUF101J
⚠	R	790	(A,80,145) METAL OXIDE RESISTOR	RS1LMF4R7J
	R	806	(B,283,48)	RS1/16S103J
	R	807	(B,278,48)	RS1/16S103J
	R	808	(B,283,52)	RS1/16S102J
	R	809	(B,261,105)	RS1/16S122J
	R	810	(B,264,105)	RS1/16S271J
	R	885	(B,310,57)	RS1/16S221J
	R	886	(B,310,61)	RS1/16S221J
	R	887	(B,310,65)	RS1/16S221J
	R	888	(B,315,22)	RS1/16S221J
	R	1101	(B,273,68)	RS1/16S0R0J

Mark	No.	Description	Part No.
	R 1102	(B,274,61)	RS1/16S0R0J
	R 1103	(B,70,136)	RS1/16S0R0J
	R 1104	(B,138,132)	RS1/16S0R0J
	R 1105	(B,168,135)	RS1/16S0R0J
	R 1106	(B,146,53)	RS1/16S0R0J
	R 1107	(B,211,58)	RS1/16S0R0J
	R 1108	(B,233,58)	RS1/16S0R0J
	R 1109	(B,285,56)	RS1/16S0R0J
	R 1110	(B,241,68)	RS1/16S0R0J

CAPACITORS

	C 517	(A,82,154) FILM CAPACITOR	CQMBA104J50
	C 603	(B,94,39)	CKSRYB331K50
	C 604	(B,227,38)	CKSRYB331K50
	C 605	(A,96,38)	CEAT4R7M50
	C 606	(A,230,38)	CEAT4R7M50
	C 607	(B,95,20)	CCSRCH470J50
	C 608	(B,230,17)	CCSRCH470J50
	C 609	(A,91,32)	CEAT101M16
	C 610	(A,225,32)	CEAT101M16
	C 611	(B,117,22)	CCSRCH470J50
	C 612	(B,250,24)	CCSRCH470J50
	C 613	(B,117,27)	CCSRCH470J50
	C 614	(B,250,28)	CCSRCH470J50
	C 615	(A,116,45)	CEANP2R2M50
	C 616	(A,250,45)	CEANP2R2M50
	C 630	(A,172,44)	CEANP2R2M50
	C 632	(B,151,33)	CKSRYB331K50
	C 633	(A,148,33)	CEAT4R7M50
	C 634	(B,155,17)	CCSRCH470J50
	C 635	(A,153,25)	CEAT101M16
	C 636	(B,175,28)	CCSRCH470J50
	C 637	(B,175,24)	CCSRCH470J50
	C 653	(B,161,38)	CKSRYB331K50
	C 654	(B,217,33)	CKSRYB331K50
	C 655	(A,164,38)	CEAT4R7M50
	C 656	(A,215,33)	CEAT4R7M50
	C 657	(B,165,17)	CCSRCH470J50
	C 658	(B,221,17)	CCSRCH470J50
	C 659	(A,158,31)	CEAT101M16
	C 660	(A,219,25)	CEAT101M16
	C 661	(B,184,23)	CCSRCH470J50
	C 662	(B,241,27)	CCSRCH470J50
	C 663	(B,184,27)	CCSRCH470J50
	C 664	(B,241,24)	CCSRCH470J50
	C 665	(A,184,45)	CEANP2R2M50
	C 666	(A,239,49)	CEANP2R2M50
	C 682	(B,74,48)	CKSRYB331K50
	C 683	(A,74,50)	CEAT4R7M50
	C 684	(B,82,18)	CCSRCH470J50
	C 685	(A,78,38)	CEAT101M16
	C 686	(B,92,9)	CCSRCH470J50
	C 687	(B,87,8)	CCSRCH470J50
	C 688	(A,75,78)	CEANP2R2M50
	C 696	(B,281,35)	CKSRYB102K50
	C 697	(A,286,34)	CEAT221M6R3
	C 701	(A,49,80) ELECT.CAPACITOR	XCH3026
	C 702	(A,49,107) ELECT.CAPACITOR	XCH3026
	C 703	(A,43,130) ELECT.CAPACITOR	XCH3012
	C 704	(A,38,150) ELECT.CAPACITOR	XCH3012
	C 705	(A,156,81) ELECT. CAPACITOR	CEAT100M2A
	C 706	(A,143,84) ELECT. CAPACITOR	CEAT100M2A
	C 707	(A,17,99) MYLAR FILM CAPACITOR	CQMA103K2E
	C 708	(A,16,137) MYLAR FILM CAPACITOR	CQMA103K2E
	C 709	(A,257,73)	CEAT1R0M50
	C 711	(A,195,99) ELECT. CAPACITOR	CEAT101M35
	C 712	(A,189,105)	CEAT101M10
	C 751	(A,159,143) FILM CAPACITOR	CQMBA104J50
	C 752	(A,181,150) FILM CAPACITOR	CQMBA104J50
	C 755	(A,103,147) FILM CAPACITOR	CQMBA104J50
	C 761	(A,122,139) FILM CAPACITOR	CQMBA104J50
	C 762	(A,152,145) FILM CAPACITOR	CQMBA104J50
	C 771	(A,52,147) FILM CAPACITOR	CQMBA104J50
	C 778	(B,84,34)	CKSRYB331K50
	C 779	(A,81,33)	CEAT4R7M50
	C 780	(B,88,18)	CCSRCH470J50
	C 781	(A,87,27)	CEAT101M16
	C 782	(B,107,27)	CCSRCH470J50
	C 783	(B,107,24)	CCSRCH470J50
	C 784	(A,105,49)	CEANP2R2M50
	C 801	(A,248,114) ELECT. CAPACITOR	CEAT222M25
	C 802	(A,249,100) ELECT. CAPACITOR	CEAT222M25
	C 806	(A,288,55)	CEAT1R0M50
	C 807	(B,226,95)	CKSRYB103K25
	C 808	(A,245,142) ELECT. CAPACITOR	CEAT472M16
	C 809	(A,234,95)	CEAT101M10
	C 810	(A,266,133)	CEAT101M10
	C 811	(B,279,128)	CKSRYB103K25
	C 812	(B,278,109)	CKSRYB103K25
	C 813	(A,276,118)	CEAT101M16

C POWER PACK ASSY (XWZ4083)

MISCELLANEOUS

⚠	IC 600	(A,132,14) POWER PACK 2CH	STK412-230C
⚠	IC 601	(A,265,14) POWER PACK 2CH	STK412-230C
⚠	IC 602	(A,199,14) POWER PACK 2CH	STK412-230C
⚠	IC 610	(A,59,28) PROTECTOR(1A)	AEK7009
⚠	IC 701	(A,100,75) IC PROTECTOR	ICP-N10
⚠	IC 702	(A,84,81) IC PROTECTOR	ICP-N10
⚠	IC 803	(A,238,87) IC	TA7805S
⚠	IC 804	(A,282,111) REGULATOR IC	TA7809S
⚠	IC 805	(B,271,135) IC	BA178M05FP
	Q 501	(B,85,42) CHIP TRANSISTOR	2SD2704K
	Q 505	(A,111,47) TRANSISTOR	2SC2240
	Q 601	(B,93,47) CHIP TRANSISTOR	2SD2704K
	Q 602	(B,227,45) CHIP TRANSISTOR	2SD2704K
	Q 605	(A,118,40) TRANSISTOR	2SC2240
	Q 606	(A,252,40) TRANSISTOR	2SC2240
	Q 631	(B,153,42) CHIP TRANSISTOR	2SD2704K
	Q 633	(A,178,47) TRANSISTOR	2SC2240
	Q 651	(B,161,45) CHIP TRANSISTOR	2SD2704K
	Q 652	(B,219,42) CHIP TRANSISTOR	2SD2704K
	Q 655	(A,186,40) TRANSISTOR	2SC2240
	Q 656	(A,244,47) TRANSISTOR	2SC2240
	Q 696	(B,284,22) TRANSISTOR	2SC4081
	Q 697	(B,282,26) TRANSISTOR	2SC4081
	Q 698	(B,246,67) TRANSISTOR	RT1N241M
⚠	Q 701	(A,110,75) TRANSISTOR	2SC5511

Mark	No.		Description	Part No.
⚠	Q	702	(A,96,86) TRANSISTOR	2SA2005
	Q	703	(A,155,76) TRANSISTOR	2SA1145
	Q	704	(A,166,79) TRANSISTOR	2SC2240
	Q	705	(B,245,74) CHIP TRANSISTOR	RN4903
	Q	707	(B,241,74) CHIP TRANSISTOR	RN4903
	Q	721	(A,142,71) TRANSISTOR	2SA1145
	Q	722	(A,161,74) TRANSISTOR	2SC2240
	Q	801	(B,277,141) DIGITAL TR(SC-70)	RT1P241M
	Q	802	(B,274,145) TRANSISTOR	RT1N241M
	Q	803	(B,265,140) DIGITAL TR(SC-70)	RT1P241M
	Q	804	(B,268,145) TRANSISTOR	RT1N241M
	Q	805	(B,277,146) DIGITAL TR(SC-70)	RT1P241M
	Q	806	(B,271,145) TRANSISTOR	RT1N241M
	Q	807	(B,276,53) CHIP TR(2*PNP)	RN2903
	Q	808	(B,283,56) CHIP TRANSISTOR	RN1903
	Q	809	(A,266,101) TRANSISTOR	2SD1858X
	D	601	(A,125,57) DIODE	1SS133
	D	602	(A,267,17) ZENER DIODE	MTZJ15A
	D	603	(A,119,57) DIODE	1SS133
	D	604	(A,261,21) ZENER DIODE	MTZJ15A
	D	606	(A,259,57) DIODE	1SS133
	D	608	(A,253,52) DIODE	1SS133
	D	631	(A,192,61) DIODE	1SS133
	D	632	(A,176,52) DIODE	1SS133
	D	647	(A,200,17) ZENER DIODE	MTZJ15A
	D	648	(A,196,21) ZENER DIODE	MTZJ15A
	D	651	(A,192,57) DIODE	1SS133
	D	652	(A,262,57) DIODE	1SS133
	D	653	(A,186,52) DIODE	1SS133
	D	654	(A,242,52) DIODE	1SS133
	D	681	(A,132,17) ZENER DIODE	MTZJ15A
	D	682	(A,129,22) ZENER DIODE	MTZJ15A
⚠	D	701	(A,9,88) DIODE	D5SBA20(B)
⚠	D	702	(A,9,126) DIODE	D5SBA20(B)
	D	703	(B,252,76) DIODE	1SS355
	D	711	(A,196,103) ZENER DIODE	MTZJ22D
	D	712	(A,192,103) DIODE	MTZJ6R8(B)
	D	713	(A,120,78) DIODE	1SS133
	D	751	(B,168,135) DIODE	1SS355
	D	752	(B,170,135) DIODE	1SS355
	D	753	(B,138,132) DIODE	1SS355
	D	754	(B,141,132) DIODE	1SS355
	D	757	(B,70,136) DIODE	1SS355
	D	758	(B,73,136) DIODE	1SS355
	D	777	(A,127,57) DIODE	1SS133
	D	778	(A,108,57) DIODE	1SS133
⚠	D	801	(B,221,113) BRIDGE DIODE	S1WB(A)60SD
	D	805	(A,276,131) DIODE	1SS133
	D	806	(A,287,62) DIODE	MTZJ6R2(B)
	D	807	(A,284,67) DIODE	1SS133
	D	827	(A,262,133) DIODE	MTZJ6R2(B)
	D	828	(A,239,98) DIODE	MTZJ6R2(B)
⚠	D	829	(A,239,128) DIODE	D3SBA20(B)
	L	501	(A,97,118) COIL	ATH1004
	L	751	(A,160,108) COIL	ATH1004
	L	752	(A,173,108) COIL	ATH1004
	L	753	(A,120,107) COIL	ATH1004
	L	761	(A,130,108) COIL	ATH1004
	L	762	(A,142,108) COIL	ATH1004
	J	43	JUMPER WIRE 11P	D20PYY1120E

Mark	No.		Description	Part No.
	KN601		(A,65,23) WRAPPING TERMINAL	VNF1084
	RY501		(A,75,132) RELAY	XSR3012
	RY751		(A,173,130) RELAY	XSR3012
	RY752		(A,141,126) RELAY	XSR3012
	RY753		(A,117,120) RELAY	XSR3012
	CN701		(A,212,134) 11PJUMPER CONNECTOR	52147-1110
	CN702		(A,201,106) 6P JUMPER CONNECTOR	52147-0610
	CN705		(A,295,40) 21P PLUG	XKM3011
	CN751		SP TERMINAL 8-P(V0)	XKE3042
	CN753		SP TERMINAL 4-P(V0)	XKE3044
	CN803		(A,231,129) 6P PLUG	KM200TA6
	CN805		(A,317,153) 13P PLUG	XKP3066
	CN806		19P PLUG	XKP3069
	CN807		(A,317,82) 15P PLUG	XKP3067
	CN812		(A,323,30) 15P PLUG	XKP3067
	CN813		(A,308,38) CONNECTOR	CKS3390
	CN815		(A,295,79) 23P PLUG	XKM3006
	CN816		(A,295,126) 21P PLUG	XKM3011
	810		(A,277,90) 11P CABLE HOLDER	51048-1100

RESISTORS

	R	601	(A,96,56)	RD1/4PU222J
	R	602	(A,230,52)	RD1/4PU222J
	R	603	(B,93,52)	RS1/16S103J
	R	604	(B,226,49)	RS1/16S103J
	R	609	(A,91,35)	RD1/4PU273J
	R	610	(A,225,35)	RD1/4PU273J
	R	611	(A,90,28)	RD1/4PU821J
	R	612	(A,223,28)	RD1/4PU821J
	R	613	(A,114,21)	RD1/4PU273J
	R	614	(A,247,21)	RD1/4PU273J
	R	615	(A,123,36)	RD1/4PU331J
	R	616	(A,270,29)	RD1/4PU562J
⚠	R	617	(A,114,31) RESISTOR (0.22, 5W)	ACN7094
	R	618	(A,266,28)	RD1/4PU562J
	R	619	(A,122,52)	RD1/4PU182J
	R	620	(A,257,36)	RD1/4PU331J
	R	621	(A,124,49)	RD1/4PU821J
⚠	R	622	(A,248,31) RESISTOR (0.22, 5W)	ACN7094
	R	623	(A,116,48)	RD1/4PU223J
	R	624	(A,257,52)	RD1/4PU182J
	R	626	(A,258,49)	RD1/4PU821J
	R	628	(A,250,48)	RD1/4PU223J
	R	630	(A,230,21)	RD1/4PU333J
	R	631	(A,148,46)	RD1/4PU222J
	R	632	(B,152,47)	RS1/16S103J
	R	635	(A,153,29)	RD1/4PU273J
	R	636	(A,149,25)	RD1/4PU821J
	R	637	(A,172,21)	RD1/4PU273J
	R	638	(A,174,36)	RD1/4PU331J
⚠	R	639	(A,173,31) RESISTOR (0.22, 5W)	ACN7094
	R	640	(A,179,57)	RD1/4PU182J
	R	641	(A,174,52)	RD1/4PU821J
	R	642	(A,169,39)	RD1/4PU223J
	R	647	(A,202,27)	RD1/4PU562J
	R	648	(A,199,27)	RD1/4PU562J
	R	651	(A,164,56)	RD1/4PU222J
	R	652	(A,215,41)	RD1/4PU222J
	R	653	(B,160,50)	RS1/16S103J
	R	654	(B,219,46)	RS1/16S103J
	R	659	(A,159,35)	RD1/4PU273J

Mark	No.		Description	Part No.
	R	660	(A,220,29)	RD1/4PU273J
	R	661	(A,156,28)	RD1/4PU821J
	R	662	(A,216,20)	RD1/4PU821J
	R	663	(A,181,21)	RD1/4PU273J
	R	664	(A,238,21)	RD1/4PU273J
	R	665	(A,190,36)	RD1/4PU331J
	R	666	(A,240,35)	RD1/4PU331J
⚠	R	667	(A,182,31) RESISTOR (0.22, 5W)	ACN7094
⚠	R	668	(A,239,31) RESISTOR (0.22, 5W)	ACN7094
	R	669	(A,189,52)	RD1/4PU182J
	R	670	(A,245,52)	RD1/4PU182J
	R	671	(A,192,49)	RD1/4PU821J
	R	672	(A,240,57)	RD1/4PU821J
	R	673	(A,184,48)	RD1/4PU223J
	R	674	(A,236,38)	RD1/4PU223J
	R	680	(B,297,21)	RS1/16S0R0J
	R	688	(A,135,27)	RD1/4PU562J
	R	689	(A,133,27)	RD1/4PU562J
	R	695	(A,97,22)	RD1/4PU333J
	R	696	(B,281,38)	RS1/16S103J
	R	697	(B,255,68)	RS1/16S103J
	R	698	(B,243,67)	RS1/16S333J
	R	699	(A,165,21)	RD1/4PU333J
	R	701	(A,117,78)	RD1/4PU682J
	R	702	(A,101,84)	RD1/4PU682J
	R	703	(A,151,72)	RD1/4PU683J
	R	704	(A,147,76)	RD1/4PU683J
	R	705	(A,283,85)	RD1/4PU473J
	R	706	(A,283,75)	RD1/4PU473J
	R	707	(A,135,77)	RD1/4PU124J
	R	708	(A,147,81)	RD1/4PU124J
⚠	R	711	(A,181,86) METAL OXIDE RESISTOR	RS2LMF222J
	R	713	(A,117,81)	RD1/4PU102J
	R	714	(B,252,68)	RS1/16S102J
	R	715	(B,250,75)	RS1/16S103J
	R	716	(B,247,75)	RS1/16S103J
	R	721	(A,125,77)	RD1/4PU822J
	R	722	(A,123,77)	RD1/4PU822J
	R	723	(A,276,78)	RD1/4PU473J
	R	724	(A,279,83)	RD1/4PU473J
	R	725	(A,276,74)	RD1/4PU103J
	R	726	(B,291,59)	RS1/16S103J
	R	727	(B,287,59)	RS1/16S103J
⚠	R	751	(A,158,119) CARBON FILM RESISTOR	RD1/4PUF101J
⚠	R	752	(A,185,120) CARBON FILM RESISTOR	RD1/4PUF101J
⚠	R	753	(A,156,126) METAL OXIDE RESISTOR	RS1LMF4R7J
⚠	R	754	(A,181,126) METAL OXIDE RESISTOR	RS1LMF4R7J
⚠	R	755	(A,103,117) CARBON FILM RESISTOR	RD1/4PUF101J
⚠	R	756	(A,101,120) METAL OXIDE RESISTOR	RS1LMF4R7J
⚠	R	761	(A,125,117) CARBON FILM RESISTOR	RD1/4PUF101J
⚠	R	762	(A,155,119) CARBON FILM RESISTOR	RD1/4PUF101J
⚠	R	763	(A,124,132) METAL OXIDE RESISTOR	RS1LMF4R7J
⚠	R	764	(A,149,139) METAL OXIDE RESISTOR	RS1LMF4R7J
	R	777	(A,81,41)	RD1/4PU222J
	R	778	(B,84,48)	RS1/16S103J
	R	781	(A,87,30)	RD1/4PU273J
	R	782	(A,84,22)	RD1/4PU821J
	R	783	(A,104,21)	RD1/4PU273J
	R	784	(A,111,35)	RD1/4PU331J
⚠	R	785	(A,105,31) RESISTOR (0.22, 5W)	ACN7094
	R	786	(A,111,57)	RD1/4PU182J
	R	787	(A,106,57)	RD1/4PU821J
	R	788	(A,102,38)	RD1/4PU223J
	R	789	(A,82,127) CARBON FILM RESISTOR	RD1/4PUF101J
⚠	R	790	(A,80,145) METAL OXIDE RESISTOR	RS1LMF4R7J
	R	806	(B,283,48)	RS1/16S103J
	R	807	(B,278,48)	RS1/16S103J
	R	808	(B,283,52)	RS1/16S102J
	R	809	(B,261,105)	RS1/16S122J
	R	810	(B,264,105)	RS1/16S271J
	R	885	(B,310,57)	RS1/16S221J
	R	886	(B,310,61)	RS1/16S221J
	R	887	(B,310,65)	RS1/16S221J
	R	888	(B,315,22)	RS1/16S221J
	R	1101	(B,273,68)	RS1/16S0R0J
	R	1102	(B,274,61)	RS1/16S0R0J
	R	1106	(B,146,53)	RS1/16S0R0J
	R	1107	(B,211,58)	RS1/16S0R0J
	R	1108	(B,233,58)	RS1/16S0R0J
	R	1109	(B,285,56)	RS1/16S0R0J
	R	1110	(B,241,68)	RS1/16S0R0J

CAPACITORS

	C	517	(A,82,154) FILM CAPACITOR	CQMBA224J50
	C	521	(A,120,164) FILM CAPACITOR	CQMBA123J50
	C	603	(B,94,39)	CKSRYB331K50
	C	604	(B,227,38)	CKSRYB331K50
	C	605	(A,96,38)	CEAT4R7M50
	C	606	(A,230,38)	CEAT4R7M50
	C	607	(B,95,20)	CCSRCH470J50
	C	608	(B,230,17)	CCSRCH470J50
	C	609	(A,91,32)	CEAT101M16
	C	610	(A,225,32)	CEAT101M16
	C	611	(B,117,22)	CCSRCH470J50
	C	612	(B,250,24)	CCSRCH470J50
	C	613	(B,117,27)	CCSRCH470J50
	C	614	(B,250,28)	CCSRCH470J50
	C	615	(A,116,45)	CEANP2R2M50
	C	616	(A,250,45)	CEANP2R2M50
	C	630	(A,172,44)	CEANP2R2M50
	C	632	(B,151,33)	CKSRYB331K50
	C	633	(A,148,33)	CEAT4R7M50
	C	634	(B,155,17)	CCSRCH470J50
	C	635	(A,153,25)	CEAT101M16
	C	636	(B,175,28)	CCSRCH470J50
	C	637	(B,175,24)	CCSRCH470J50
	C	653	(B,161,38)	CKSRYB331K50
	C	654	(B,217,33)	CKSRYB331K50
	C	655	(A,164,38)	CEAT4R7M50
	C	656	(A,215,33)	CEAT4R7M50
	C	657	(B,165,17)	CCSRCH470J50
	C	658	(B,221,17)	CCSRCH470J50
	C	659	(A,158,31)	CEAT101M16
	C	660	(A,219,25)	CEAT101M16
	C	661	(B,184,23)	CCSRCH470J50
	C	662	(B,241,27)	CCSRCH470J50
	C	663	(B,184,27)	CCSRCH470J50
	C	664	(B,241,24)	CCSRCH470J50
	C	665	(A,184,45)	CEANP2R2M50

Mark	No.	Description	Part No.
	C 666	(A,239,49)	CEANP2R2M50
	C 696	(B,281,35)	CKSRYB102K50
	C 697	(A,286,34)	CEAT221M6R3
A	C 701	(A,49,80) ELECT.CAPACITOR	XCH3026
	C 702	(A,49,107) ELECT.CAPACITOR	XCH3026
	C 703	(A,43,130) ELECT.CAPACITOR	XCH3012
	C 704	(A,38,150) ELECT.CAPACITOR	XCH3012
	C 705	(A,156,81) ELECT. CAPACITOR	CEAT100M2A
	C 706	(A,143,84) ELECT. CAPACITOR	CEAT100M2A
	C 707	(A,17,99) MYLAR FILM CAPACITOR	CQMA103K2E
	C 708	(A,16,137) MYLAR FILM CAPACITOR	CQMA103K2E
	C 709	(A,257,73)	CEAT1R0M50
	C 711	(A,195,99) ELECT. CAPACITOR	CEAT101M35
	C 712	(A,189,105)	CEAT101M10
B	C 751	(A,159,143) FILM CAPACITOR	CQMBA224J50
	C 752	(A,181,150) FILM CAPACITOR	CQMBA224J50
	C 753	(A,157,155) FILM CAPACITOR	CQMBA224J50
	C 754	(A,181,158) FILM CAPACITOR	CQMBA224J50
	C 755	(A,103,147) FILM CAPACITOR	CQMBA224J50
	C 756	(A,96,151) FILM CAPACITOR	CQMBA224J50
	C 757	(A,157,164) FILM CAPACITOR	CQMBA123J50
	C 758	(A,177,164) FILM CAPACITOR	CQMBA123J50
	C 759	(A,101,164) FILM CAPACITOR	CQMBA123J50
	C 761	(A,122,139) FILM CAPACITOR	CQMBA224J50
C	C 762	(A,152,145) FILM CAPACITOR	CQMBA224J50
	C 763	(A,122,146) FILM CAPACITOR	CQMBA224J50
	C 764	(A,150,152) FILM CAPACITOR	CQMBA224J50
	C 766	(A,82,164) FILM CAPACITOR	CQMBA123J50
	C 773	(A,138,164) FILM CAPACITOR	CQMBA123J50
	C 778	(B,84,34)	CKSRYB331K50
	C 779	(A,81,33)	CEAT4R7M50
	C 780	(B,88,18)	CCSRCH470J50
	C 781	(A,87,27)	CEAT101M16
	C 782	(B,107,27)	CCSRCH470J50
	C 783	(B,107,24)	CCSRCH470J50
D	C 784	(A,105,49)	CEANP2R2M50
	C 785	(A,89,146) FILM CAPACITOR	CQMBA224J50
	C 801	(A,248,114) ELECT. CAPACITOR	CEAT222M25
	C 802	(A,249,100) ELECT. CAPACITOR	CEAT222M25
	C 806	(A,288,55)	CEAT1R0M50
	C 807	(B,226,95)	CKSRYB103K25
	C 808	(A,245,142) ELECT. CAPACITOR	CEAT472M16
	C 809	(A,234,95)	CEAT101M10
	C 810	(A,266,133)	CEAT101M10
	C 811	(B,279,128)	CKSRYB103K25
	C 812	(B,278,109)	CKSRYB103K25
E	C 813	(A,276,118)	CEAT101M16

D TRANS2 ASSY

MISCELLANEOUS

⚠	IC 853	(A,32,204) PROTECTOR(4A)	AEK7018
	J 21	JUMPER WIRE 11P	D20PYY1130E
	CN1201	(A,35,183) 4P JUMPER CONNECTOR	52147-0410
	851	(A,49,207) 11P CABLE HOLDER	51048-1100

E TRANS3 ASSY

TRANS3 ASSY has no service part.

F COMPONENT ASSY

MISCELLANEOUS

IC 551	(B,235,206) LOGIC IC	TC74HC4052AF
IC 552	(B,256,212) LOGIC IC	TC74HC4052AF
IC 553	(B,209,204) VIDEO IC	NJM2581M
JA551	(A,249,176) 6P RCA PINJACK	XKB3025
JA553	(A,207,176) 3P RCA PINJACK	AKB7124
CN551	(A,192,206) CONNECTOR	CKS3372

RESISTORS

R 553	(B,237,192)	RS1/16S750J
R 554	(B,251,191)	RS1/16S750J
R 555	(B,265,191)	RS1/16S750J
R 556	(B,232,192)	RS1/16S750J
R 557	(B,246,194)	RS1/16S750J
R 558	(B,262,184)	RS1/16S750J
R 559	(B,195,194)	RS1/16S750J
R 560	(B,216,193)	RS1/16S750J
R 561	(B,223,191)	RS1/16S750J
R 562	(B,189,193)	RS1/16S750J
R 563	(B,212,197)	RS1/16S750J
R 564	(B,214,193)	RS1/16S750J
R 566	(B,238,216)	RS1/16S102J
R 567	(B,243,200)	RS1/16S102J
R 568	(B,243,202)	RS1/16S102J
R 569	(B,246,216)	RS1/16S102J
R 571	(B,250,226)	RS1/16S102J
R 572	(B,250,224)	RS1/16S102J
R 573	(B,224,201)	RS1/16S0R0J
R 574	(B,260,200)	RS1/16S0R0J
R 575	(B,244,234)	RS1/16S0R0J
R 577	(B,202,212)	RS1/16S103J
R 578	(B,204,212)	RS1/16S103J
R 579	(B,213,212)	RS1/16S103J

CAPACITORS

C 567	(B,257,184)	CKSRYB103K50
C 568	(B,200,184)	CKSRYB103K50
C 569	(B,241,214)	CKSRYB473K50
C 570	(B,229,206)	CKSRYB473K50
C 571	(B,249,211)	CKSRYB473K50
C 572	(B,263,212)	CKSRYB473K50
C 576	(B,206,212)	CKSRYB103K50
C 577	(B,209,212)	CKSRYB103K50
C 578	(B,211,212)	CKSRYB103K50
C 579	(A,200,203)	CEAT101M16
C 580	(A,195,203)	CEAT101M16
C 581	(B,206,197)	CKSRYB103K50
C 582	(B,208,197)	CKSRYB103K50
C 583	(B,210,197)	CKSRYB103K50

G HEAD PHONE ASSY

MISCELLANEOUS

Q 1551	(B,78,211) CHIP TRANSISTOR	2SD2704K
Q 1552	(B,102,219) CHIP TRANSISTOR	2SD2704K
J 47	JUMPER WIRE	D20PYY0640E
JA1551	(A,117,233) HEADPHONE JACK	RKB1014
KN1551	(A,69,231) WRAPPING TERMINAL	VNF1084
1551	(A,59,220) 6P CABLE HOLDER	51048-0600

Mark	No.	Description	Part No.
		RESISTORS	
⚠	R 1551	(A,84,202) METAL OXIDE RESISTOR	RS2LMF331J
⚠	R 1552	(A,78,203) METAL OXIDE RESISTOR	RS2LMF331J
⚠	R 1553	(A,108,221) METAL OXIDE RESISTOR	RS1LMF151J
⚠	R 1554	(A,93,216) METAL OXIDE RESISTOR	RS1LMF151J
	R 1555	(B,100,216)	RS1/16S472J
	R 1556	(B,81,210)	RS1/16S472J
	R 1557	(B,87,228)	RS1/16S102J
		CAPACITORS	
	C 1551	(B,94,226)	CKSRYB223K50
	C 1552	(B,83,210)	CKSRYB223K50
	C 1553	(B,110,224)	CKSRYB103K50
	C 1554	(B,110,226)	CCSRCH471J50
	C 1555	(B,110,229)	CKSRYB104K16
	C 1556	(B,112,239)	CKSRYB103K50
	C 1557	(B,109,239)	CCSRCH471J50
	C 1558	(B,107,239)	CKSRYB104K16
	C 1561	(A,69,205) ELECT. CAPACITOR	CEANP470M50
	C 1562	(A,71,223) ELECT. CAPACITOR	CEANP470M50

I 5.1CH INPUT ASSY

Mark	No.	Description	Part No.
		MISCELLANEOUS	
	CN307	(A,125,219) 7P CONNECTOR	52044-0745
	CN309	(A,167,225) PIN JACK(4P)	XKB3035
		RESISTORS	
	R 1001	(B,147,233)	RS1/16S473J
	R 1002	(B,150,226)	RS1/16S473J
	R 1003	(B,149,236)	RS1/16S331J
	R 1004	(B,150,228)	RS1/16S331J
	R 1009	(B,150,224)	RS1/16S473J
	R 1010	(B,151,212)	RS1/16S473J
	R 1011	(B,150,222)	RS1/16S331J
	R 1012	(B,150,214)	RS1/16S331J
		CAPACITORS	
	C 1001	(B,151,233)	CCSRCH101J50
	C 1002	(B,151,230)	CCSRCH101J50
	C 1003	(B,143,233)	CKSRYB221K50
	C 1004	(B,147,230)	CKSRYB221K50
	C 1009	(A,146,236)	CEAT4R7M50
	C 1010	(A,146,228)	CEAT4R7M50
	C 1012	(B,159,226)	CKSRYB103K50
	C 1013	(B,151,219)	CCSRCH101J50
	C 1014	(B,151,216)	CCSRCH101J50
	C 1015	(B,147,224)	CKSRYB221K50
	C 1016	(B,147,216)	CKSRYB221K50
	C 1021	(A,146,214)	CEAT4R7M50
	C 1022	(A,146,221)	CEAT4R7M50

K FRONT DISPLAY ASSY

Mark	No.	Description	Part No.
		MISCELLANEOUS	
	IC 401	(B,121,181) DISPLAY U-COM	PE5550A
	IC 402	(A,223,169) REMOTE RECEIVER UNIT	GP1UM27XK0VF
	Q 442	(B,238,190) TRANSISTOR	RT1N241M
	Q 484	(B,217,189) TRANSISTOR	2SA1576A
	D 401	(B,239,163) DIODE	DAN202K
	D 403	(B,226,189) DIODE	1SS355
	L 401	(A,242,159) RADIAL INDUCTOR	LFCA2R2J
	V 401	(A,189,200) FL TUBE	XAV3033
	S 451	(A,234,139) SWITCH	VSG1024
	S 452	(A,213,136) SWITCH	VSG1024
	S 453	(A,187,134) SWITCH	VSG1024
	S 454	(A,70,134) SWITCH	VSG1024
	S 455	(A,46,134) SWITCH	VSG1024
	S 456	(A,23,134) SWITCH	VSG1024
	S 458	(A,13,112) SWITCH	VSG1024
	S 459	(A,114,136) SWITCH	VSG1024
	S 460	(A,91,136) SWITCH	VSG1024
	S 461	(A,57,112) SWITCH	VSG1024
	S 462	(A,42,112) SWITCH	VSG1024
	S 463	(A,27,112) SWITCH	VSG1024
	S 464	(A,164,134) SWITCH	VSG1024
	S 465	(A,140,134) SWITCH	VSG1024
	S 466	(A,86,90) SWITCH	VSG1024
	S 467	(A,72,90) SWITCH	VSG1024
	S 468	(A,57,90) SWITCH	VSG1024
	S 469	(A,42,90) SWITCH	VSG1024
	S 470	(A,27,90) SWITCH	VSG1024
	S 471	(A,13,90) SWITCH	VSG1024
	X 401	(A,149,165) CERAMIC RESONATOR (5.00 MHz)	VSS1142
	CN401	(A,246,165) 17P CONNECTOR	52044-1745
	471	(A,35,176) CABLE HOLDER(3P)	51063-0305
	404	(A,197,127) CABLE HOLDER(7P)	51063-0705
	402	FL HOLDER(FE)	VNF1096
		RESISTORS	
	R 401	(B,144,169)	RS1/16S105J
	R 402	(B,223,189)	RS1/16S104J
	R 403	(B,220,189)	RS1/16S104J
	R 405	(B,228,155)	RS1/16S102J
	R 406	(B,226,155)	RS1/16S103J
	R 407	(B,78,176)	RS1/16S473J
	R 408	(B,80,176)	RS1/16S473J
	R 409	(B,75,176)	RS1/16S473J
	R 410	(B,73,176)	RS1/16S473J
	R 411	(B,229,189)	RS1/16S473J
	R 412	(B,234,187)	RS1/16S221J
	R 413	(B,234,184)	RS1/16S221J
	R 414	(B,234,182)	RS1/16S221J
	R 415	(B,234,180)	RS1/16S221J
	R 416	(B,234,178)	RS1/16S221J
	R 417	(B,219,182)	RS1/16S101J
	R 422	(B,157,169)	RS1/16S104J
	R 423	(B,131,167)	RS1/16S104J
	R 424	(B,83,176)	RS1/16S104J
	R 425	(B,213,182)	RS1/16S104J
	R 430	(B,234,175)	RS1/16S0R0J
	R 451	(B,236,144)	RS1/16S472J
	R 452	(B,234,144)	RS1/16S681J
	R 453	(B,187,147)	RS1/16S821J
	R 454	(B,166,153)	RS1/16S122J
	R 455	(A,45,146)	RD1/4PU681J
	R 456	(A,35,144)	RD1/4PU821J
	R 457	(A,16,139)	RD1/4PU122J
	R 459	(A,109,134)	RD1/4PU472J
	R 460	(A,101,135)	RD1/4PU681J

Mark	No.	Description	Part No.
	R 461	(B,52,117)	RS1/16S821J
	R 462	(B,49,117)	RS1/16S122J
A	R 463	(B,34,117)	RS1/16S162J
	R 464	(B,20,117)	RS1/16S272J
	R 465	(A,161,128)	RD1/4PU472J
	R 466	(A,151,128)	RD1/4PU681J
	R 467	(A,131,128)	RD1/4PU821J
	R 468	(B,79,91)	RS1/16S122J
	R 469	(B,64,91)	RS1/16S162J
	R 470	(B,50,92)	RS1/16S272J
	R 471	(B,34,91)	RS1/16S512J
	R 472	(B,86,176)	RS1/16S472J
	R 473	(B,19,91)	RS1/16S133J
B	R 481	(B,169,204)	RS1/16S473J
	R 482	(B,167,204)	RS1/16S473J
	R 483	(B,165,204)	RS1/16S473J
	R 484	(B,163,204)	RS1/16S473J
	R 485	(B,161,204)	RS1/16S473J
	R 486	(B,159,204)	RS1/16S473J
	R 487	(B,157,204)	RS1/16S473J
	R 488	(B,155,204)	RS1/16S473J
	R 489	(B,153,204)	RS1/16S473J
	R 490	(B,151,204)	RS1/16S473J
	R 492	(B,121,204)	RS1/16S104J
C	R 493	(B,119,204)	RS1/16S104J
	R 494	(B,117,204)	RS1/16S104J
	R 495	(B,115,204)	RS1/16S104J
	R 496	(B,113,204)	RS1/16S104J
	R 497	(B,111,204)	RS1/16S104J
	R 498	(B,109,204)	RS1/16S104J
	R 499	(B,107,204)	RS1/16S104J
	R 500	(B,105,204)	RS1/16S104J
	R 517	(B,149,204)	RS1/16S473J
	R 518	(B,147,204)	RS1/16S473J
	R 519	(B,145,204)	RS1/16S473J
D			
	R 520	(B,103,204)	RS1/16S104J
	R 521	(B,101,204)	RS1/16S104J
	R 522	(B,99,204)	RS1/16S104J
	R 523	(B,97,204)	RS1/16S104J
	R 524	(B,95,204)	RS1/16S104J
	R 525	(B,93,204)	RS1/16S104J
	R 526	(B,91,204)	RS1/16S104J
	R 527	(B,89,204)	RS1/16S104J
	R 528	(B,87,204)	RS1/16S104J
	R 529	(B,85,204)	RS1/16S104J
E			
	R 530	(B,83,204)	RS1/16S104J
	R 531	(B,81,204)	RS1/16S104J
	R 532	(B,79,204)	RS1/16S104J
	R 533	(B,77,204)	RS1/16S104J
	R 534	(B,75,204)	RS1/16S104J
	CAPACITORS		
	C 401	(B,247,155)	CKSRYB103K50
	C 402	(B,247,153)	CKSRYB103K50
	C 403	(A,234,168)	CEAT221M6R3
	C 410	(B,49,186)	CKSRYB103K50
	C 411	(B,51,186)	CKSRYB103K50
F			
	C 412	(A,42,178)	CEAT470M50
	C 418	(B,141,179)	CKSRYB104K16
	C 419	(B,103,182)	CKSRYB103K50
	C 420	(A,39,185)	CEAT101M35
	C 421	(B,160,169)	CKSRYB104K16
	C 441	(B,223,176)	CKSRYB103K50
	C 442	(A,239,146)	CEAL470M10
	C 451	(B,125,166)	CKSRYB102K50
	C 452	(B,103,164)	CKSRYB102K50
	C 453	(B,122,166)	CKSRYB102K50
	C 454	(B,100,164)	CKSRYB102K50
	C 481	(B,140,191)	CCSRCH471J50
	C 482	(B,126,201)	CCSRCH221J50
	C 483	(B,126,199)	CCSRCH221J50
	C 487	(B,83,163)	CKSRYB102K50
	C 488	(B,79,163)	CKSRYB102K50
	C 489	(B,75,163)	CKSRYB102K50
	C 490	(A,241,34)	CKSRYB102K50

L R.ENCODER ASSY

MISCELLANEOUS

S	457	(A,300,183) SWITCH	VSG1024
S	512	(A,288,223) ROTARY ENCODER (JOG)	XSX3008
S	513	(A,288,152) ROTARY ENCODER	XSX3005
S	514	(A,257,216) SWITCH	VSG1024
S	515	(A,270,183) SWITCH	VSG1024
S	516	(A,285,183) SWITCH	VSG1024
	511	(A,257,172) CABLE HOLDER(7P)	51063-0705

RESISTORS

R	513	(B,270,190)	RS1/16S162J
R	514	(B,280,185)	RS1/16S272J
R	515	(B,295,185)	RS1/16S512J

M POWER KEY ASSY

MISCELLANEOUS

S	501	(A,12,174) SWITCH	VSG1024
S	502	(A,20,221) SWITCH	VSG1024
S	503	(A,32,218) SWITCH	VSG1024
S	504	(A,47,218) SWITCH	VSG1024
	501	(A,47,210) CABLE HOLDER(3P)	51063-0305

RESISTORS

R	502	(B,7,171)	RS1/16S162J
R	503	(A,15,228)	RD1/4PU272J
R	504	(A,30,228)	RD1/4PU512J

O TRANS4 ASSY

MISCELLANEOUS

⚠	IC	891	(A,104,223) PROTECTOR(800mA)	AEK7008
⚠	IC	892	(A,77,232) PROTECTOR(800mA)	AEK7008
⚠	D	891	(B,91,226) BRIDGE DIODE	S1WB(A)60SD
	J	22	JUMPER WIRE	D20PYY0330E
		891	(A,70,221) 3P CABLE HOLDER	51048-0300

CAPACITORS

	C	891	(A,97,218) ELECT. CAPACITOR	CEAT471M35
	C	892	(A,86,218) ELECT. CAPACITOR	CEAT471M35

P REGULATOR ASSY

MISCELLANEOUS

Mark	No.		Description	Part No.
⚠	IC 801	(A,161,89)	REGULATOR IC	TA7812S
⚠	IC 802	(A,178,89)	REGULATOR IC	TA79012S
⚠	IC 803	(A,196,89)	IC	TA7805S
	D 810	(A,186,95)	ZENER DIODE	MTZJ6.2B
	CN800	(A,194,113)	11PJUMPER CONNECTOR	52147-1110

RESISTORS

⚠	R 801	(A,152,97)	METAL OXIDE RESISTOR	RS3LMF331J

CAPACITORS

	C 803	(B,164,98)		CKSRYB103K25
	C 804	(B,180,98)		CKSRYB103K25
	C 805	(A,152,103)		CEJQ101M16
	C 806	(A,173,100)		CEAT101M16
	C 818	(B,196,95)		CKSRYB103K25
	C 819	(A,190,95)		CEAT101M10

Q VIDEO ASSY

MISCELLANEOUS

	IC 301	(B,46,32)	VIDEO SW IC	NJM2595M
⚠	Q 301	(A,86,47)	TRANSISTOR	2SC3377
⚠	Q 302	(A,66,52)	TRANSISTOR	2SA1515
	Q 303	(B,25,83)	TRANSISTOR	2SC5938A
	D 301	(B,45,41)	DIODE	1SS355
	D 302	(B,41,46)	DIODE	1SS355
	D 303	(B,81,61)	DIODE	UDZS6R2(B)
	D 304	(B,73,59)	DIODE	UDZS6R2(B)
	D 305	(B,69,20)	DIODE	1SS355
	D 306	(B,61,23)	DIODE	1SS355
	CN302	(A,64,84)	6P SOCKET	KP200TA6L
	CN303	(A,62,7)	CONNECTOR	CKS3384
	CN308		6P PIN JACK	AKB7123
	CN310	(A,46,7)	CONNECTOR	CKS3372

RESISTORS

	R 301	(B,34,25)		RS1/16S750J
	R 302	(B,31,60)		RS1/16S750J
	R 303	(B,23,36)		RS1/16S750J
	R 304	(B,49,22)		RS1/16S750J
	R 305	(B,23,50)		RS1/16S750J
	R 306	(B,32,54)		RS1/16S750J
	R 307	(B,56,25)		RS1/16S102J
	R 308	(B,57,29)		RS1/16S102J
	R 309	(B,57,27)		RS1/16S151J
	R 310	(B,57,31)		RS1/16S102J
	R 311	(B,42,23)		RS1/16S102J
	R 312	(B,60,25)		RS1/16S102J
⚠	R 313	(A,85,57)	METAL OXIDE RESISTOR	RS3LMF390J
	R 314	(B,84,61)		RS1/16S152J
	R 315	(B,64,59)		RS1/16S152J
⚠	R 316	(A,67,39)	METAL OXIDE RESISTOR	RS3LMF390J
	R 317	(B,21,75)		RS1/16S102J
	R 318	(B,27,79)		RS1/16S122J
	R 319	(B,27,77)		RS1/16S472J
	R 320	(B,100,16)		RS1/16S0R0J
	R 334	(B,38,53)		RS1/16S0R0J
	R 391	(B,20,38)		RS1/16S0R0J
	R 392	(B,30,55)		RS1/16S0R0J

CAPACITORS

	C 302	(B,22,44)		CKSRYB103K50
	C 304	(B,33,19)		CKSRYB221K50
	C 305	(B,41,19)		CKSRYB221K50
	C 306	(B,22,54)		CKSRYB221K50
	C 307	(A,31,35)		CEAT470M25
	C 308	(A,52,53)		CEAT470M25
	C 309	(A,32,44)		CEAT470M25
	C 310	(A,54,42)	ELECT. CAPACITOR	CEAT470M25
	C 311	(B,82,48)		CKSRYB473K25
	C 312	(A,86,42)		CEAT470M25
	C 313	(B,76,34)		CKSRYB473K25
	C 314	(A,77,38)		CEAT470M25
	C 333	(B,21,81)		CKSRYB331K50
	C 338	(A,61,37)	ELECT. CAPACITOR	CEAT470M25
	C 339	(B,46,48)		CKSRYB104K25
	C 340	(B,57,36)		CKSRYB104K25
	C 347	(B,45,43)		CCSRCH470J50
	C 1360	(B,18,65)		CKSRYB103K50

R DIGITAL IN ASSY

MISCELLANEOUS

	F 1901	(B,214,228)	INDUCTOR	CTF1295
	JA 1900	(A,206,201)	OPT. LINK IN	GP1FAV51RKBF
	KN1902	(A,249,206)	SCREW PLATE	VNE1948
	CN1903	(A,229,230)	CONNECTOR	VKN1186

RESISTORS

	R 1900	(B,211,215)		RS1/16S101J

CAPACITORS

	C 1900	(B,205,215)		CKSRYB104K25
	C 1903	(B,211,230)		CKSRYB103K50
	C 1904	(A,208,228)		CEAL101M10
	C 1905	(B,233,232)		CKSRYB104K25
	C 1906	(B,235,232)		CKSRYB103K50
	C 1907	(B,237,232)		CCSRCH101J50
	C 1908	(B,239,232)		CKSRYB102K50

U PRIMARY ASSY

MISCELLANEOUS

⚠	IC 51	(A,234,14)	REGULATOR IC	TA78057S
	Q 51	(B,267,14)	DIGITAL TR(SC-70)	RT1N431M
⚠	D 51	(B,298,20)	BRIDGE DIODE	DF06SA
	D 55	(A,304,21)	DIODE	1SR139-400
	D 56	(A,271,21)	DIODE	1SS133
	D 58	(A,314,13)	ZENER DIODE	MTZJ5.1B
	H 51	(A,231,34)	FUSE CLIP	AKR7001
	H 52	(A,250,34)	FUSE CLIP	AKR7001
	J 52		JUMPER WIRE	D20PYY0410E
	KN51	(A,318,25)	WRAPPING TERMINAL	VNF1084
	KN3001	(A,223,117)	SCREW PLATE	VNE1948
⚠	RY51	(A,271,57)	RELAY	XSR3013
⚠	T 51	(A,288,56)	STANDBY TRANSFORMER	ATT7043
⚠	CN51	(A,236,47)	AC CODE SOCKET	RKP1751
⚠	51	(A,252,122)	AC SOCKET 1-P	AKP1060
	55	(A,317,9)	4P CABLE HOLDER	51048-0400

RESISTORS

⚠	R 51	(A,318,37)	RESISTOR(2.2M, 1/2W)	RCN1080
	R 52	(A,275,11)		RD1/2PM270J
	R 53	(A,307,12)		RD1/4PU332J
	R 54	(A,319,16)		RD1/4PU103J

Mark	No.		Description	Part No.
			CAPACITORS	
⚠	C	51 (A,261,64)	FILM CAPACITOR	ACE7013
⚠	C	52 (A,265,57)	SAFETY CAPACITOR	XCG3009
	C	53 (A,291,21)	ELECT. CAPACITOR	CEAT102M16
	C	54 (A,300,11)		CEAT470M25
	C	55 (A,307,21)		CKPUYF103Z25
	C	56 (A,311,21)		CKPUYF103Z25
	C	57 (A,314,21)		CKPUYF103Z25

V TRANS1 ASSY

TRANS1 ASSY has no service part.

W USB ASY (VSX-516/MYXJ5, MVXJ5)

Mark	No.		Description	Part No.
			MISCELLANEOUS	
	IC	701 (A,37,40)	USB MEDIA CONTROL IC	TCC760HC01-AG
⚠	IC	702 (A,63,35)	REGULATOR IC	MM1561JF
⚠	IC	703 (A,87,25)	REGULATOR IC	BD7802FP
	IC	761 (A,63,46)	SD-RAM(64M)	HY57V641620ETP-6
	IC	762 (A,87,46)	FLASH ROM	AYW7088
		IC9762	FLASH MEMORY IC	S29AL016D70TFI010
	IC	771 (A,58,59)	LOAD SWITCHING	AAT4618IGV-0.5-1
	IC	781 (A,37,16)	AUDIO DAC	AK4387ET
	IC	951 (A,67,28)	IC	TC74VHCT08AFTS1
	IC	953 (A,52,25)	IC	TC74VHC08FTS1
	Q	782 (B,94,44)	CHIP TRANSISTOR	DTC114YUA
	Q	783 (B,92,38)	TRANSISTOR	2SA1576A
	Q	784 (B,87,32)	TRANSISTOR	IMX9
	L	701 (B,27,42)	INDUCTOR	LCTC100K1608
	L	702 (B,34,33)	CHIP SOLID INDUCTOR	QTL1013
	L	703 (A,24,30)	CHIP SOLID INDUCTOR	QTL1013
	L	704 (B,53,56)	CHIP SOLID INDUCTOR	QTL1013
	L	705 (B,28,38)	CHIP FERRITE BEADS	VTL1169
	L	731 (A,28,60)	CHIP FERRITE BEADS	VTL1169
	L	733 (A,36,56)	COIL	VTH1043
	L	761 (B,78,47)	CHIP SOLID INDUCTOR	QTL1013
	L	762 (B,85,44)	CHIP SOLID INDUCTOR	QTL1013
	L	781 (B,46,19)	CHIP SOLID INDUCTOR	QTL1013
	L	951 (A,59,30)	CHIP SOLID INDUCTOR	QTL1013
	L	953 (A,72,37)	CHIP SOLID INDUCTOR	QTL1013
	X	701 (A,23,42)	CRYSTAL OSCILLATOR	CSS1614
	CN701	(A,33,60)	CONNECTOR	B4B-PH
	CN702	(A,87,16)	15P SOCKET	XKP3078
			RESISTORS	
	R	702 (A,43,55)		RS1/16S473J
	R	703 (A,38,53)		RS1/16S0R0J
	R	704 (A,35,53)		RS1/16S0R0J
	R	705 (A,30,54)		RS1/16S470J
	R	706 (A,30,52)		RS1/16S470J
	R	707 (B,32,48)		RS1/16S470J
	R	708 (B,22,51)		RS1/16S470J
	R	709 (B,23,41)		RS1/16S0R0J
	R	710 (B,35,42)		RS1/16S0R0J
	R	711 (B,37,42)		RS1/16S472J
	R	712 (A,27,43)		RS1/16S475J
	R	717 (A,31,29)		RS1/16S473J
	R	718 (A,36,25)		RS1/16S101J
	R	719 (A,35,25)		RS1/16S101J
	R	720 (A,35,21)		RS1/16S101J
	R	724 (A,39,21)		RS1/16S472J
	R	725 (A,44,25)		RS1/16S472J
	R	726 (A,42,21)		RS1/16S472J
	R	727 (A,33,21)		RS1/16S101J
	R	729 (B,30,38)		RS1/16S103J
	R	730 (B,39,33)		RS1/16S102J
	R	734 (A,43,58)		RS1/16S0R0J
	R	735 (A,32,55)		RS1/16S153J
	R	736 (A,40,55)		RS1/16S153J
	R	737 (A,34,55)		RS1/16S100J
	R	738 (A,39,55)		RS1/16S100J
	R	741 (B,79,23)		RS1/16S101J
	R	744 (A,77,20)		RS1/16S101J
	R	745 (A,76,21)		RS1/16S101J
	R	746 (A,74,20)		RS1/16S101J
	R	747 (A,72,20)		RS1/16S101J
	R	748 (A,71,20)		RS1/16S101J
	R	755 (A,26,45)		RS1/16S0R0J
	R	756 (A,26,41)		RS1/16S472J
	R	757 (A,43,60)		RS1/16S0R0J
	R	771 (A,61,56)		RS1/16S221J
	R	772 (A,58,56)		RS1/16S104J
	R	773 (A,71,59)		RS1/16S0R0J
	R	784 (A,30,21)		RS1/16S470J
	R	786 (A,41,21)		RS1/16S470J
	R	788 (A,44,21)		RS1/16S4R7J
	R	789 (A,74,25)		RS1/16S471J
	R	790 (A,79,23)		RS1/16S471J
	R	791 (B,83,34)		RS1/16S104J
	R	792 (B,90,30)		RS1/16S104J
	R	793 (B,83,30)		RS1/16S101J
	R	794 (B,90,34)		RS1/16S101J
	R	795 (A,87,33)		RS1/16S222J
	R	796 (A,87,30)		RS1/16S222J
	R	797 (B,92,44)		RS1/16S102J
	R	798 (B,95,38)		RS1/16S102J
	R	799 (B,90,38)		RS1/16S103J
	R	951 (B,43,26)		RS1/16S472J
	R	952 (A,62,31)		RS1/16S472J
	R	966 (A,72,32)		RS1/16S101J
	R	972 (A,62,28)		RS1/16S101J
	R	973 (A,73,29)		RS1/16S101J
	R	977 (A,47,25)		RS1/16S101J
	R	978 (A,47,28)		RS1/16S101J
	R	979 (B,58,27)		RS1/16S101J
	R	980 (B,60,27)		RS1/16S101J
			CAPACITORS	
	C	701 (A,49,36)		CKSRYB104K16
	C	702 (A,47,36)		CCSRCH471J50
	C	703 (A,49,40)		CKSRYB104K16
	C	704 (A,47,40)		CCSRCH471J50
	C	705 (A,49,44)		CKSRYB104K16
	C	706 (A,47,44)		CCSRCH471J50
	C	707 (A,45,51)		CKSRYB104K16
	C	708 (A,45,50)		CCSRCH471J50
	C	709 (A,30,51)		CKSRYB104K16
	C	710 (A,30,50)		CCSRCH471J50

Mark	No.		Description	Part No.
C	711	(B,30,45)		CKSRYB104K16
C	712	(B,27,45)		CCSRCH471J50
C	713	(A,26,46)		CCSRCH120J50
C	714	(A,26,39)		CCSRCH120J50
C	715	(B,26,38)		CKSRYB331K50
C	716	(B,32,33)		CKSRYB104K16
C	717	(B,30,33)		CCSRCH471J50
C	719	(A,25,36)		CCSRCH471J50
C	720	(B,23,30)		CKSRYB104K16
C	721	(A,24,24)		CEJQ101M6R3
C	723	(A,37,27)		CCSRCH471J50
C	724	(A,37,29)		CKSRYB104K16
C	726	(A,34,27)		CKSRYB104K16
C	727	(A,34,29)		CCSRCH471J50
C	728	(A,41,28)		CKSRYB104K16
C	729	(A,41,29)		CCSRCH471J50
C	730	(B,60,34)		CCSRCH471J50
C	731	(A,25,55)		CEJQ101M16
C	732	(B,29,55)		CKSRYB104K16
C	733	(B,29,60)		CKSRYB104K16
C	734	(B,41,32)		CKSRYB103K50
C	735	(B,37,33)		CKSRYB103K50
C	741	(A,92,19)		CEJQ101M16
C	742	(B,96,20)		CKSRYB104K16
C	743	(A,96,32)		CKSRYB105K6R3
C	745	(B,64,35)		CKSRYB105K6R3
C	746	(A,53,32)		CKSQYB225K10
C	761	(B,71,46)		CKSRYB104K16
C	762	(B,73,46)		CCSRCH471J50
C	763	(B,67,46)		CCSRCH471J50
C	764	(B,65,46)		CCSRCH471J50
C	766	(B,52,50)		CCSRCH471J50
C	767	(B,80,44)		CKSRYB104K16
C	768	(B,82,44)		CCSRCH471J50
C	771	(A,62,60)		CKSQYB105K16
C	773	(A,55,60)		CKSRYB104K16
C	781	(A,44,17)		CCSRCH471J50
C	782	(A,45,19)		CKSRYB104K16
C	783	(A,49,19)		CEJQ470M16
C	784	(A,45,16)		CKSRYB104K16
C	786	(A,55,16)		CEJQ100M16
C	788	(A,42,18)		CKSRYB104K16
C	789	(A,77,26)		CKSRYB102K50
C	790	(A,79,25)		CKSRYB102K50
C	791	(A,75,31)		CEJQ100M16
C	792	(A,81,31)		CEJQ100M16
C	951	(A,58,27)		CCSRCH471J50
C	952	(A,59,27)		CKSRYB105K10
C	956	(A,70,34)		CKSQYB105K10
C	957	(A,70,33)		CCSRCH471J50

X USB IN ASSY (VSX-516/MYXJ5, MVXJ5)

MISCELLANEOUS

IC	951	(B,55,57)	OP-AMP IC	HA17558AF
D	951	(B,73,69)	DIODE	UDZS5R1(B)
D	952	(A,38,107)	DIODE	UDZS5R1(B)
D	953	(A,36,107)	DIODE	UDZS5R1(B)
D	957	(B,57,67)	DIODE	DAN217U
L	970	(A,60,38)	COIL	ATH7015
JA	952	(A,78,58)	JACK	RKN1004
JA	953	(A,79,38)	USB CONNECTOR	XKP3086
KN	951	(A,46,34)	WRAPPING TERMINAL	VNF1084
CN	952	(A,46,104)	CONNECTOR	CKS3370
CN	953	(A,40,51)	CONNECTOR	B4B-PH

RESISTORS

R	953	(A,38,72)		RS1/16S682J
R	954	(A,54,61)		RS1/16S101J
R	955	(A,50,67)		RS1/16S104J
R	956	(B,65,53)		RS1/16S102J
R	957	(B,57,69)		RS1/16S104J
R	958	(B,63,53)		RS1/16S104J
R	959	(B,63,59)		RS1/16S333J
R	960	(B,56,64)		RS1/16S472J
R	961	(B,59,57)		RS1/16S101J
R	962	(B,41,63)		RS1/16S101J
R	963	(A,37,81)		RS1/16S104J
R	966	(B,51,63)		RS1/16S472J
R	967	(B,45,63)		RS1/16S333J
R	972	(A,48,70)		RS1/16S102J
R	973	(A,46,73)		RS1/16S0R0J
R	974	(A,35,106)		RS1/16S0R0J
R	975	(A,33,106)		RS1/16S0R0J
R	979	(B,61,33)		RS1/16S0R0J
R	980	(B,61,42)		RS1/16S0R0J

CAPACITORS

C	952	(B,35,59)		CKSRYB103K50
C	953	(B,33,59)		CKSRYB104K16
C	956	(A,43,68)	CHIP ELECT.CAPACITOR	CEVW100M50
C	957	(A,51,67)		CKSRYB103K50
C	958	(A,43,79)	CHIP ELECT.CAPACITOR	CEVW100M50
C	959	(A,48,67)		CKSRYB471K50
C	960	(A,56,68)		CCSRCH101J50
C	962	(A,39,81)		CKSRYB103K50
C	963	(A,34,99)	CHIP ELECT.CAPACITOR	CEVW100M50
C	964	(B,43,63)		CCSRCH330J50
C	965	(B,63,61)		CCSRCH330J50
C	967	(A,35,67)	CHIP ELECT.CAPACITOR	CEVW100M50
C	968	(A,32,79)	CHIP ELECT.CAPACITOR	CEVW100M50
C	969	(B,60,47)		CKSRYB104K16
C	970	(A,50,46)		CEVW101M16

Y FM/AM TUNER UNIT

FM/AM TUNER UNIT has no service part.

6. ADJUSTMENT

There is no information to be shown in this chapter.

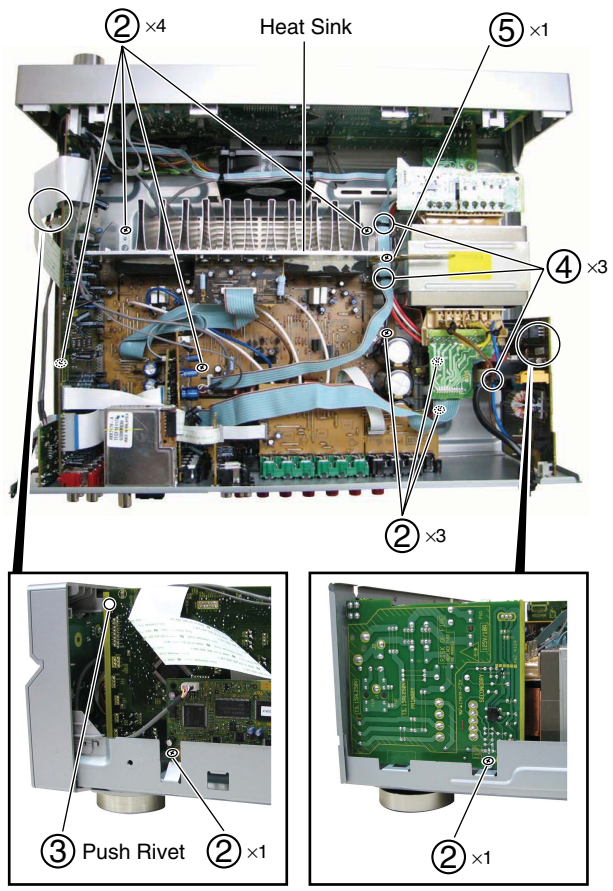
7. GENERAL INFORMATION

7.1 DIAGNOSIS

7.1.1 DISASSEMBLY

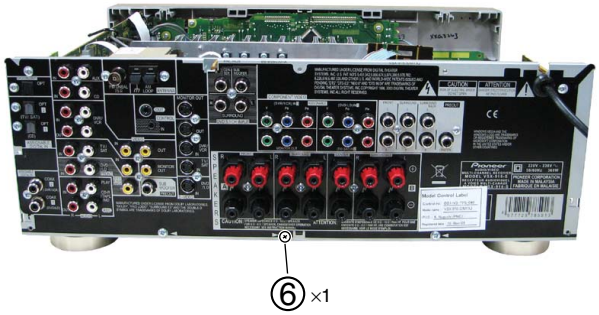
Note: Even if the unit shown in the photos and illustrations in this manual may differ from your product, the procedures described here are common.

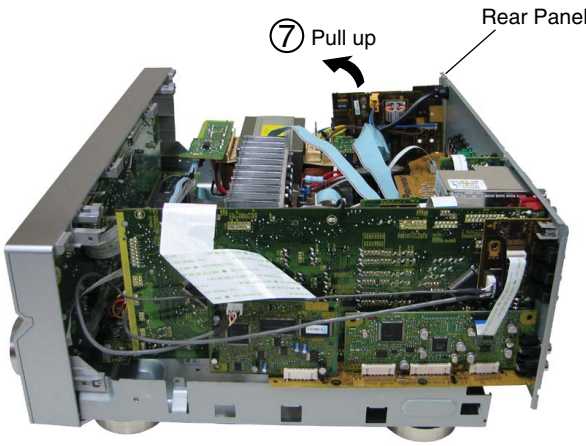
① Remove the top cover (five screws).



④ Cut 3 cable ties.

⑤ Remove PCB holder(one screw).

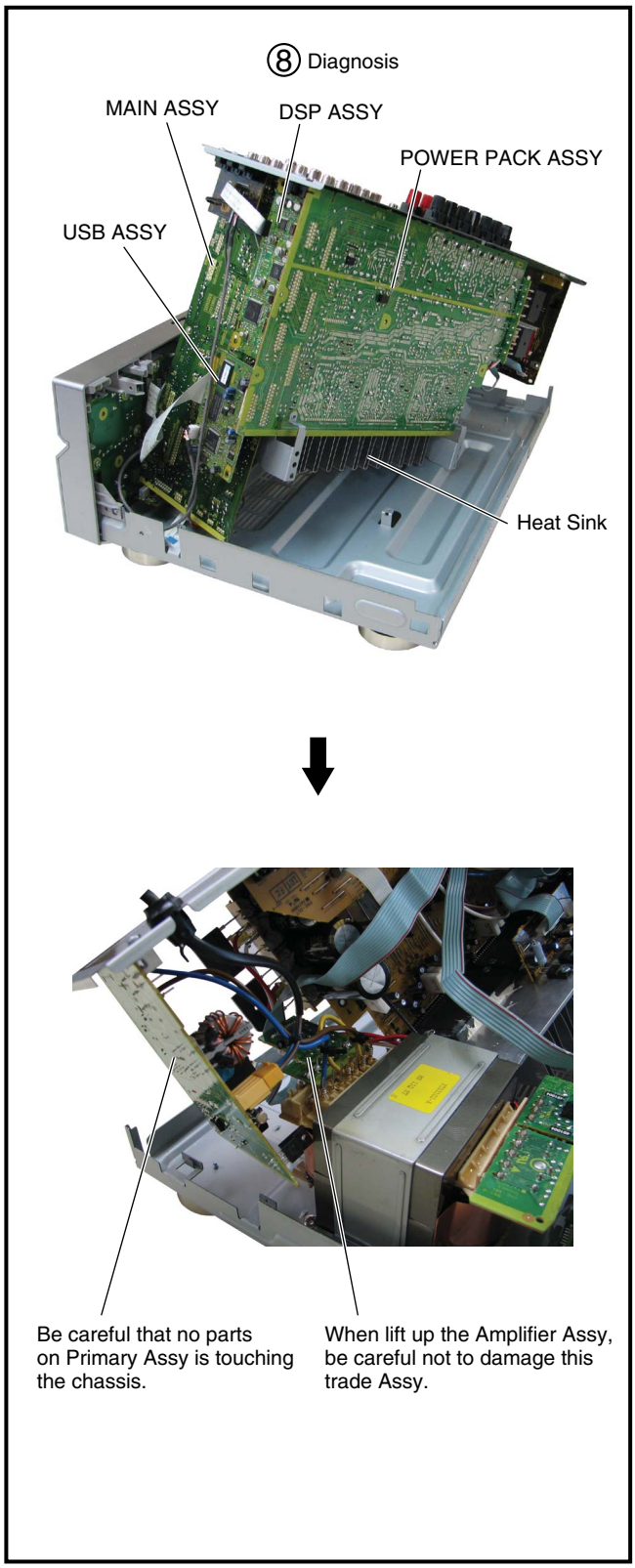




Note : The unit does not operate when the screws of Speaker Terminal are taken off from Rear Panel.

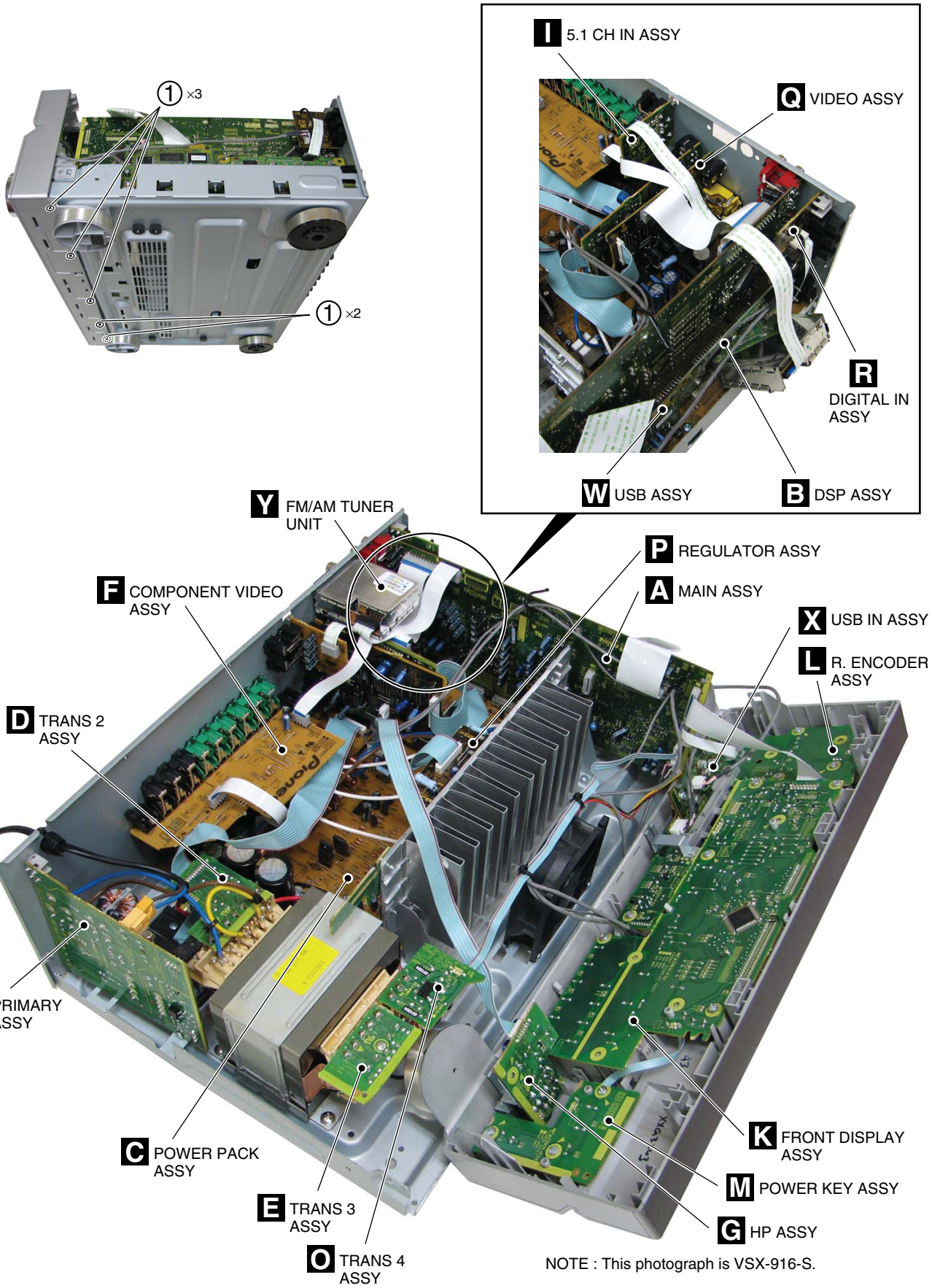
Heat-sink caution in the disassembling : Because Heat-sink becomes hot, please pay attention.

Note: Even if the unit shown in the photos and illustrations in this manual may differ from your product, the procedures described here are common.



Note : The unit does not operate when the screws of Speaker Terminal are taken off from Rear Panel.

Heat-sink caution in the disassembling : Because Heat-sink becomes hot, please pay attention.



NOTE : This photograph is VSX-916-S.

7.2 PARTS
7.2.1 IC

• The information shown in the list is basic information and may not correspond exactly to that shown in the schematic diagrams.

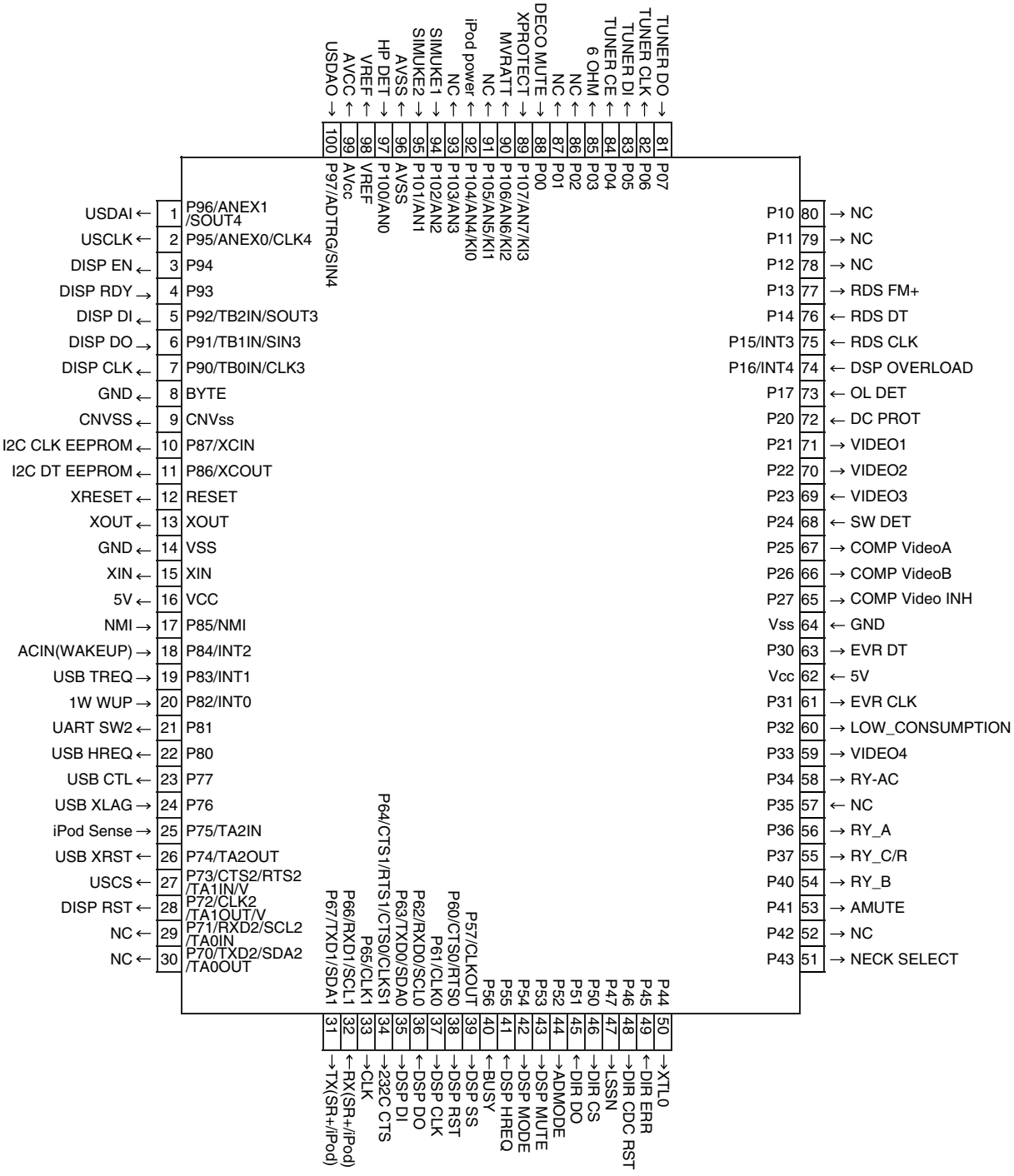
• List of IC

PEG217A, PE5550A

■ PEG217A (MAIN ASSY : IC9001)

• System Control MCU

■ Pin Arrangement (Top View)



• Pin Function

No.	Port	Pin Name	I/O	Pin Function
1	P96/ANEX1/SOUT4	USDAI	I/O	Data out to USB
2	P95/ANEX0/CLK4	USCLK	I/O	Clock signal from USB
3	P94	DISP EN	I/O	Enable signal to display u-com
4	P93	DISP RDY	I/O	Ready signal from display u-com
5	P92/TB2IN/SOUT3	DISP DI	I/O	Data out to display u-com
6	P91/TB1IN/SIN3	DISP DO	I/O	Data in from display u-com
7	P90/TB0IN/CLK3	DISP CLK	I/O	Clock signal to display u-com
8	BYTE	GND		
9	CNVss	CNVSS		
10	P87/XCIN	I2C CK	I/O	Clock for I2C communication with EEPROM IC
11	P86/XCOUT	I2C DT	I/O	Data for I2C communication with EEPROM IC
12	RESET	XRESET		
13	XOUT	XOUT		
14	VSS	GND		
15	XIN	XIN		
16	VCC	5V		
17	P85/NMI	NMI	I	No use
18	P84/INT2	ACIN(WAKEUP)	I/O	AC pulse in
19	P83/INT1	USB TREQ	I/O	Request from TCC760 to main u-com
20	P82/INT0	1W WUP	I/O	wake up signal from display u-com
21	P81	UART SW2	I/O	L:SR + route and H:iPod or XM route are selected.
22	P80	USB HREQ	I/O	Request from main u-com to TCC760
23	P77	USB CTL	I/O	From main u-com to USB power switch IC
24	P76	USB XFLAG	I/O	From USB power switch IC to main u-com
25	P75/TA2IN	iPod Sense	I/O	iPod Sense
26	P74/TA2OUT	USB XRST	I/O	reset signal to USB
27	P73/CTS2/RTS2/TA1IN/V	USCS	I/O	From main u-com to TCC760
28	P72/CLK2/TA1OUT/V	DISP RST	I/O	reset signal to display u-com
29	P71/RXD2/SCL2/TA0IN	NC	I/O	
30	P70/TXD2/SDA2/TA0OUT	NC	I/O	
31	P67/TXD1/SDA1	TXD(SR+/iPod)	I/O	SR+/iPod communication
32	P66/RxD/SCL1	RXD(SR+/iPod)	I/O	SR+/iPod communication
33	P65/CLK1	CLK	I/O	It is necessary when writing for JIG
34	P64/CTS1/RTS1/CTSO0/CLKS1	232C CTS	I/O	For rewriting 232C (Admit communication)
35	P63/TXD0/SDA0	DSP DI	I/O	Data output signal for communication with DSP and DIR
36	P62/RxD0/SCL0	DSP DO	I/O	Data input signal for communication with DSP
37	P61/CLK0	DSP CLK	I/O	Clock signal for communication with DSP and DIR
38	P60/CTS0/RTS0	DSP RST	I/O	Reset signal for DSP
39	P57/CLKOUT	DSP SS	I/O	Srobe select signal to DSP
40	P56	BUSY	I/O	Use it in MCACC
41	P55	DSP HREQ	I/O	DSP error detect signal
42	P54	DSP MODE	I/O	Mode select of DSP (ROM/RAM)
43	P53	DSP MUTE	I/O	DSP ASSY mute
44	P52	ADMODE	I/O	DSP ASSY
45	P51	DIR DO	I/O	Data input signal for communication with DIR/DAC
46	P50	DIR CS	I/O	Chip select signal for communication with DIR/DAC
47	P47	LSSN	I/O	DSP ASSY
48	P46	DIR CDC RST	I/O	Reset signal for DIR CODEC
49	P45	DIR ERR	I/O	lock/unlock signal
50	P44	XTL0	I/O	DIR X'tal change

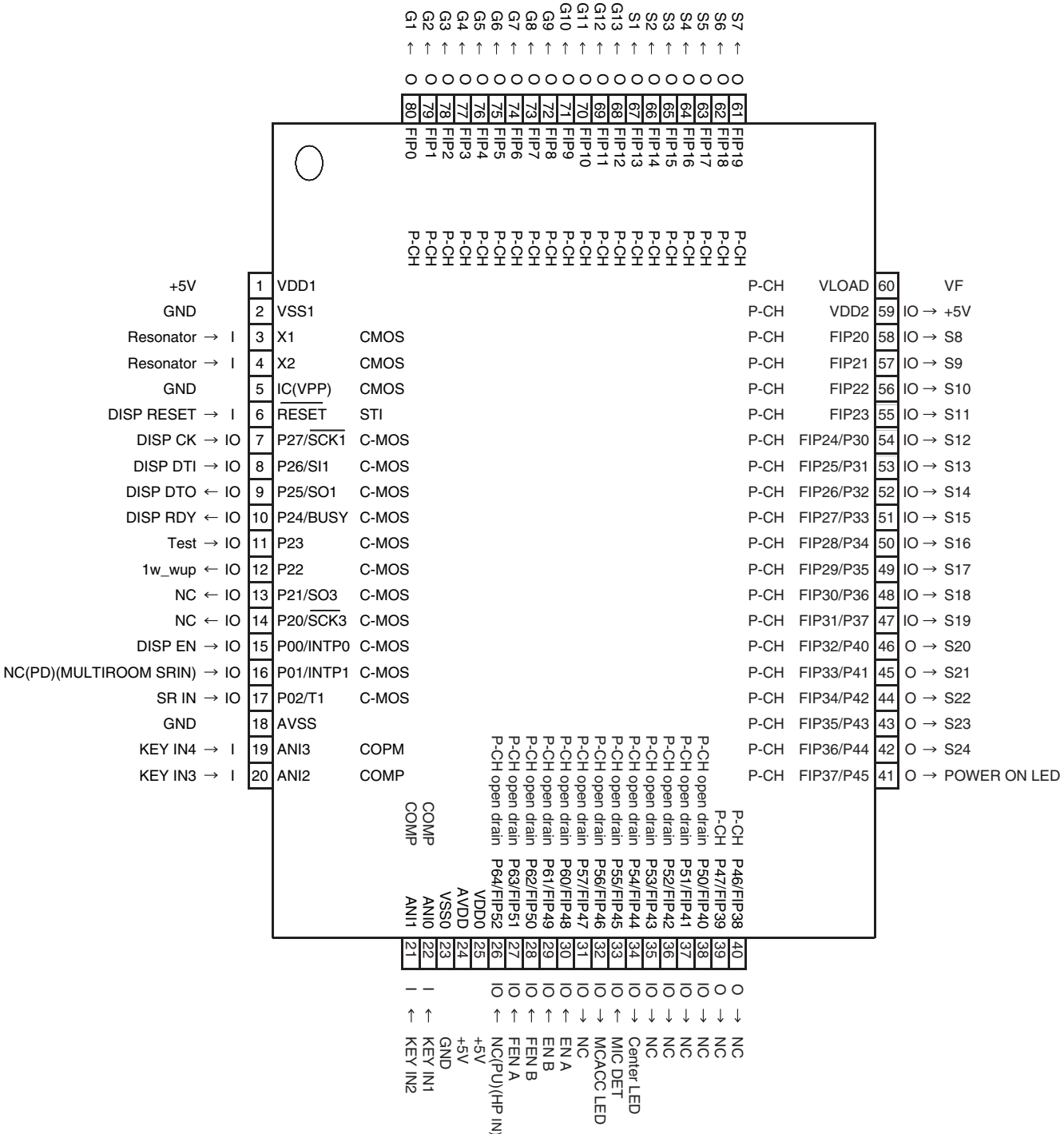
• Pin Function

No.	Port	Pin Name	I/O	Pin Function
51	P43	NECK_SEL	I/O	For 8ohm spk impedance: "H at Adv Surr,Standard,5.1Multich,speaker A+B(7ch model). For 6 ohm spk impedance: L
52	P42	NC	I/O	
53	P41	AMUTE	I/O	System mute
54	P40	RY_B	I/O	Speaker B relay-on / OFF at 916, 816 and 516. This RY_B is used for SW relay at 316.
55	P37	RY_C/R	I/O	Rear one / center relay-on / OFF
56	P36	RY_A	I/O	Speaker A relay-on / OFF
57	P35	NC	I/O	
58	P34	RY-AC	I/O	AC relay on/off
59	P33	VIDEO4	I/O	NJM2296 control (VIDEO input select) (SX316 no connect)
60	P32	LOW_CONSUMPTION	I/O	When 1 minutes passed after power off and then go into stop mode and port L, else H.
61	P31	EVR CLK	I/O	Clock signal for Function and E-volume
62	Vcc	5V		
63	P30	EVR DT	I/O	Data signal for Function and E-volume
64	Vss	GND		
65	P27	COMP VIDEO INH	I/O	Component terminal control
66	P26	COMP VideoB	I/O	Component terminal control
67	P25	COMP VideoA	I/O	Component terminal control
68	P24	SWDET	I/O	"H": SW YES, "L": SW NO(SX316 no connect)
69	P23	VIDEO3	I/O	NJM2296 control (VIDEO input select) (SX316 no connect)
70	P22	VIDEO2	I/O	NJM2296 control (VIDEO input select) (SX316 no connect)
71	P21	VIDEO1	I/O	NJM2296 control (VIDEO input select) (SX316 no connect)
72	P20	DC PROTECT	I/O	Amplifier DC detection. H:Normal, L:Abnormal
73	P17	OL DET	I/O	Amplifier overload detection. H:Normal, L:Abnormal
74	P16/INT4	DSP OL	I/O	ANALOG OVER LOAD detect (H : detect)
75	P15/INT3	RDS CLK	I/O	RDS clock in signal
76	P14	RDS DT	I/O	RDS data in signal
77	P13	RDS FM+	I/O	RDS power supply. FM: Low, AM:High
78	P12	NC	I/O	
79	P11	NC	I/O	
80	P10	NC	I/O	
81	P07	TUNER DO	I/O	Data input signal for tuner contorol
82	P06	TUNER CLK	I/O	Clock signal for tuner contorol
83	P05	TUNER DI	I/O	Data output signal for tuner contorol
84	P04	TUNER CE	I/O	Chip select signal for tuner contorol
85	P03	6 OHM	I/O	if stop mode, port L, else according to setting (J model No connect)
86	P02	NC	I/O	
87	P01	NC	I/O	
88	P00	DECO MUTE	I/O	1st DSP detect port
89	P107/AN7/KI3	XPROTECT	I/O	Power supply abnormal condition detection. H: Normal, L: Abnormal.
90	P106/AN6/KI2	MVRATT	I/O	Master volume ATT control (-15dB or less : L)
91	P105/AN5/KI1	NC	I/O	
92	P104/AN4/KI0	iPod POW	I/O	IPod power supply. H always. When abnormally detecting it, it makes it to L.
93	P103/AN3	NC	I/O	
94	P102/AN2	SIMUKE1	I/O	Input 1 to switch region
95	P101/AN1	SIMUKE2	I/O	Input 2 to switch region
96	AVSS	AVSS		connects with VCC.
97	P100/AN0	HP DET	I/O	HP detection H:detected.
98	VREF	VREF		connects with VCC.
99	AVcc	AVCC		connects with VCC.
100	P97/ADTRG/SIN4	USDAO	I/O	data input from USB

■ PE5550A (FRONT DISPLAY ASSY : IC401)

• System Control MCU

■ Pin Arrangement (Top View)



• Pin Function

No.	Port	Pin Name	I/O	Pin Function
1	VDD1	+5V	-	positive power supply
2	VSS1	GND	-	ground potential
3	X1	Resonator	I	crystal connection for system clock oscillation
4	X2	Resonator	-	crystal connection for system clock oscillation
5	IC(VPP)	GND	-	
6	RESET	DISP RESET	I	receive reset signal from main u-com
7	P27/SCK1	DISP CK	I/O	clock signal from main u-com
8	P26/SI1	DISP DTI	I/O	datain from main u-com
9	P25/SO1	DISP DTO	I/O	data out to main u-com
10	P24/BUSY	DISP RDY	I/O	ready signal from main u-com
11	P23	Test	I/O	test mode input for checker
12	P22	1w_wup	I/O	output wakeup signal to main u-com
13	P21/SO3	NC	I/O	
14	P20/SCK3	NC	I/O	
15	P00/INTP0	DISP EN	I/O	enable signal from main u-com
16	P01/INTP1	NC	I/O	
17	P02/T1	SR IN	I/O	remote control signal input from main room
18	AVSS	GND	-	ground potential for A/D converter
19	ANI3	KEY IN4	I	
20	ANI2	KEY IN3	I	
21	ANI1	KEY IN2	I	
22	ANI0	KEY IN1	I	
23	VSS0	GND	-	ground potential for ports
24	AVDD	+5V	-	analog power voltage input to A/D converter
25	VDD0	+5V	-	positive power supply to ports
26	P64/FIP52	NC	I/O	
27	P63/FIP51	FEN A	I/O	MULTI JOG(Right)
28	P62/FIP50	FEN B	I/O	MULTI JOG(Left)
29	P61/FIP49	EN B	I/O	VOLUME JOG1(-)
30	P60/FIP48	EN A	I/O	VOLUME JOG1(+)
31	P57/FIP47	NC	I/O	NC
32	P56/FIP46	MCACC LED	I/O	MCACC LED output
33	P55/FIP45	MIC DET	I/O	MIC detection. L:detected, H:No detect
34	P54/FIP44	Center LED	I/O	Digital Precision Processing LED. H:ON, L:OFF. Only for 816KU, 816SF, 916MY, 516J
35	P53/FIP43	NC	I/O	NC
36	P52/FIP42	NC	I/O	NC
37	P51/FIP41	NC	I/O	NC
38	P50/FIP40	NC	I/O	NC
39	P47/FIP39	NC	O	NC
40	P46/FIP38	NC	O	NC
41	FIP37/P45	POWER ON LED	I/O	POWER LED output
42	FIP36/P44	S24	O	Display
43	FIP35/P43	S23	O	Display
44	FIP34/P42	S22	O	Display
45	FIP33/P41	S21	O	Display
46	FIP32/P40	S20	O	Display
47	FIP31/P37	S19	O	Display
48	FIP30/P36	S18	O	Display
49	FIP29/P35	S17	O	Display
50	FIP28/P34	S16	O	Display

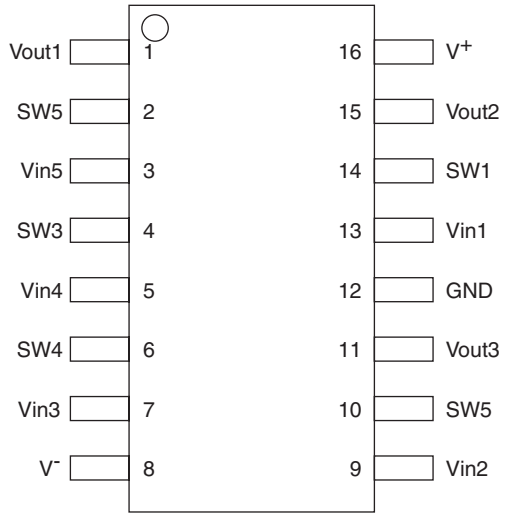
• **Pin Function**

No.	Port	Pin Name	I/O	Pin Function
51	FIP27/P33	S15	O	Display
52	FIP26/P32	S14	O	Display
53	FIP25/P31	S13	O	Display
54	FIP24/P30	S12	O	Display
55	FIP23	S11	O	Display
56	FIP22	S10	O	Display
57	FIP21	S9	O	Display
58	FIP20	S8	O	Display
59	VDD2	+5V	-	positive power supply to FIP controller.
60	VLOAD	VF	-	pull down resistor connection of FIP controller
61	FIP19	S7	O	Display
62	FIP18	S6	O	Display
63	FIP17	S5	O	Display
64	FIP16	S4	O	Display
65	FIP15	S3	O	Display
66	FIP14	S2	O	Display
67	FIP13	S1	O	Display
68	FIP12	G13	O	Display
69	FIP11	G12	O	Display
70	FIP10	G11	O	Display
71	FIP9	G10	O	Display
72	FIP8	G9	O	Display
73	FIP7	G8	O	Display
74	FIP6	G7	O	Display
75	FIP5	G6	O	Display
76	FIP4	G5	O	Display
77	FIP3	G4	O	Display
78	FIP2	G3	O	Display
79	FIP1	G2	O	Display
80	FIP0	G1	O	Display

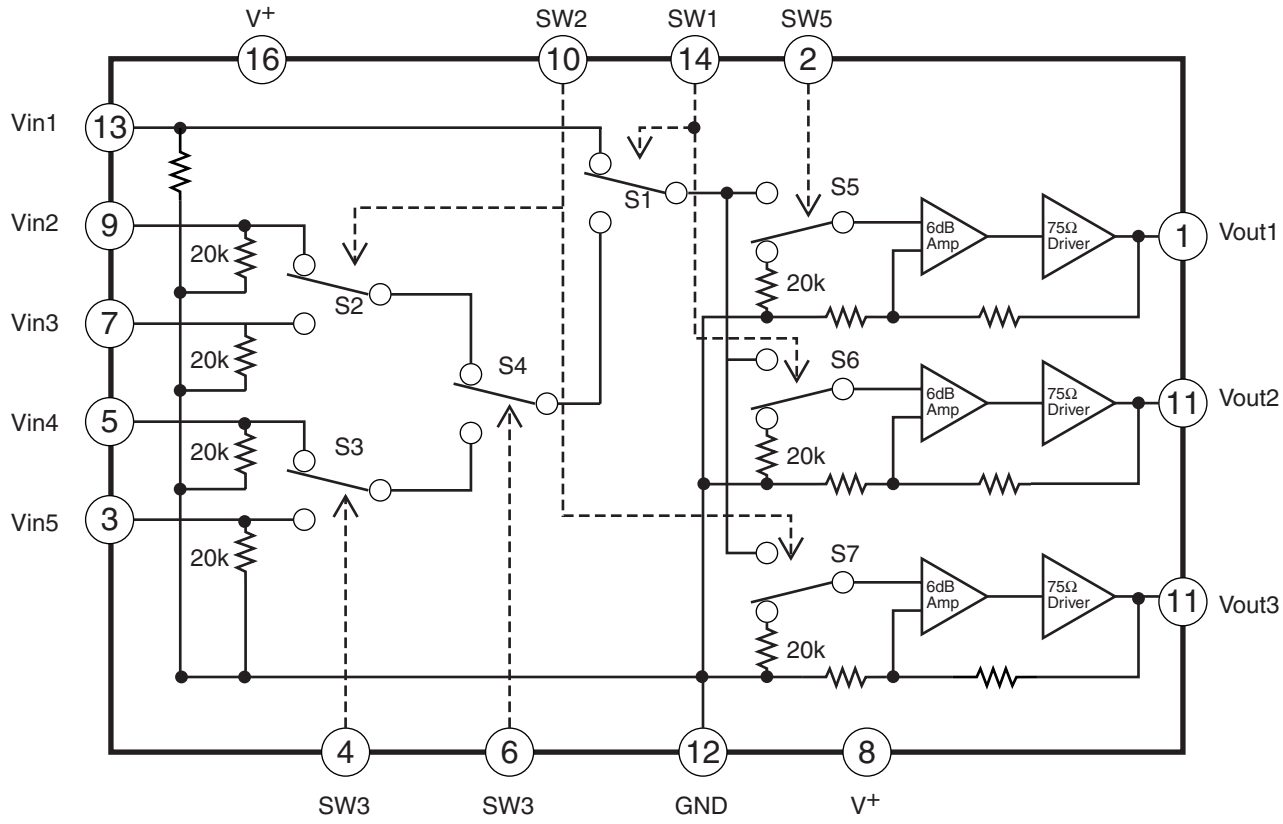
■ NJM2595M (VIDEO ASSY : IC301) (S. VIDEO ASSY : IC351, IC352)

• 5-INPUT 3-OUTPUT VIDEO SWITCH

● Pin Configuration (Top view)



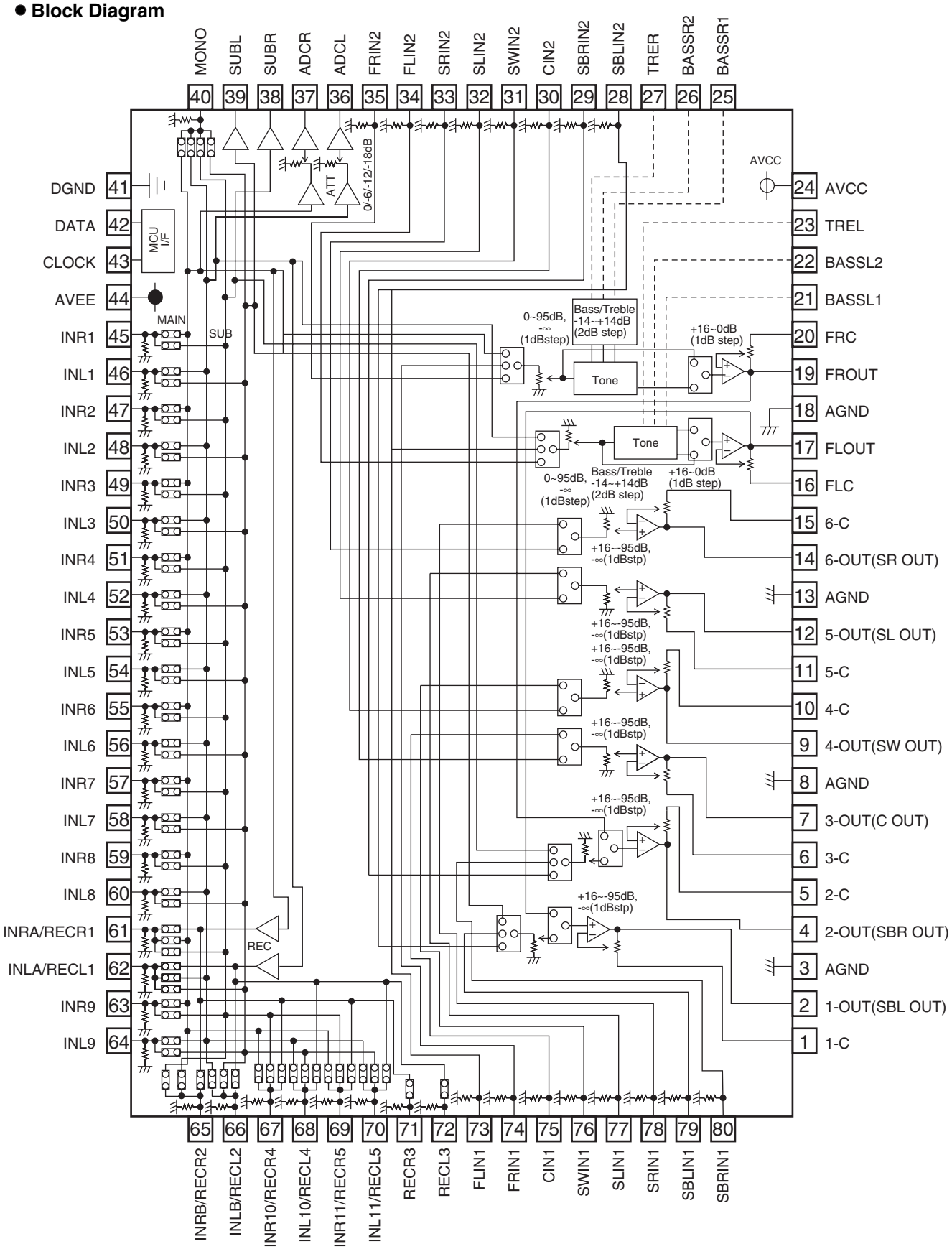
● Block Diagram



■ R2S15205FP (MAIN ASSY : IC108)

• 8ch electronic volume with 11 input selectors and tone control

● Block Diagram



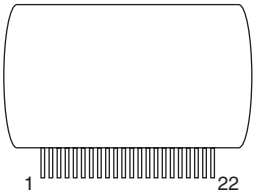
● Pin Function

PIN No.	Name	Function
19,17, 14,12, 9,7, 4,2	FROUT,FLOUT, 6-OUT,5-OUT, 4-OUT,3-OUT, 2-OUT,1-OUT	Output pin of FL/FR/C/SW/SL/SR/SBL/SBR channel
20,16, 15,11, 10,6, 5,1	FRC,FLC, 6-C,5-C, 4-C,3-C, 2-C,1-C	Connects capacitor for reducing click noise of L/R/C/SW/SL/SR/SBL/SBR channel volume
3,8, 13,18	AGND	Analog ground of internal circuit
23,27	TREL,TRER	Frequency characteristic setting pin of L/R channel tone control(Treble)
21,22, 25,26	BASSL1,BASSL2, BASSR1,BASSR2,	Frequency characteristic setting pin of L/R channel tone control(Bass)
24	AVCC	Positive power supply to internal circuit
35,34, 33,32, 31,30, 29,28	FRIN2,FLIN2, SRN2,SLIN2, SWN2,CIN2, SBRIN2,SBLIN2,	Input pin of L/R/C/SW/SL/SR/SBL/SBR channel(Multi IN 1/2)
73,74, 75,76, 77,78, 79,80	FLIN1,FRIN1, CIN1,SWIN1, SLIN1SRIN1, SBLIN1,SBRIN1	
41	DGND	Digital ground of internal circuit
42	DATA	Input pin of control data
43	CLOCK	Input pin of control clock
44	AVEE	Negative power supply to internal circuit
46,48,50, 52,54,56, 58,60,64	INL1,INL2,INL3, INL4,INL5,INL6, INL7,INL8,INL9	Input pin of L/R channel(Input Selector)
45,47,49, 51,53,55, 57,59,63	INR1,INR2,INR3, INR4,INR5,INR6, INR7,INR8,INR9	
40	MONO	Input pin of monaural(Input Selector)
38,39	SUBL,SUBR	Output pin for L/R channel SUB Output
36,37	ADCL,ADCR	Output pin for L/R channel ADC
72	RECL3	Output pin for L/R channel REC Output
71	RECR3	
61,62, 65,66, 67,68, 69,70	INRA/RECR1,INLA/RECL1, INRB/RECR2,INLB/RECL2, INR10/RECR4,INL10/RECL4, INR11/RECR5,INL11/RECL5,	Input pin of L/R channel(Input Selector)/ Output pin for L/R channel REC Output

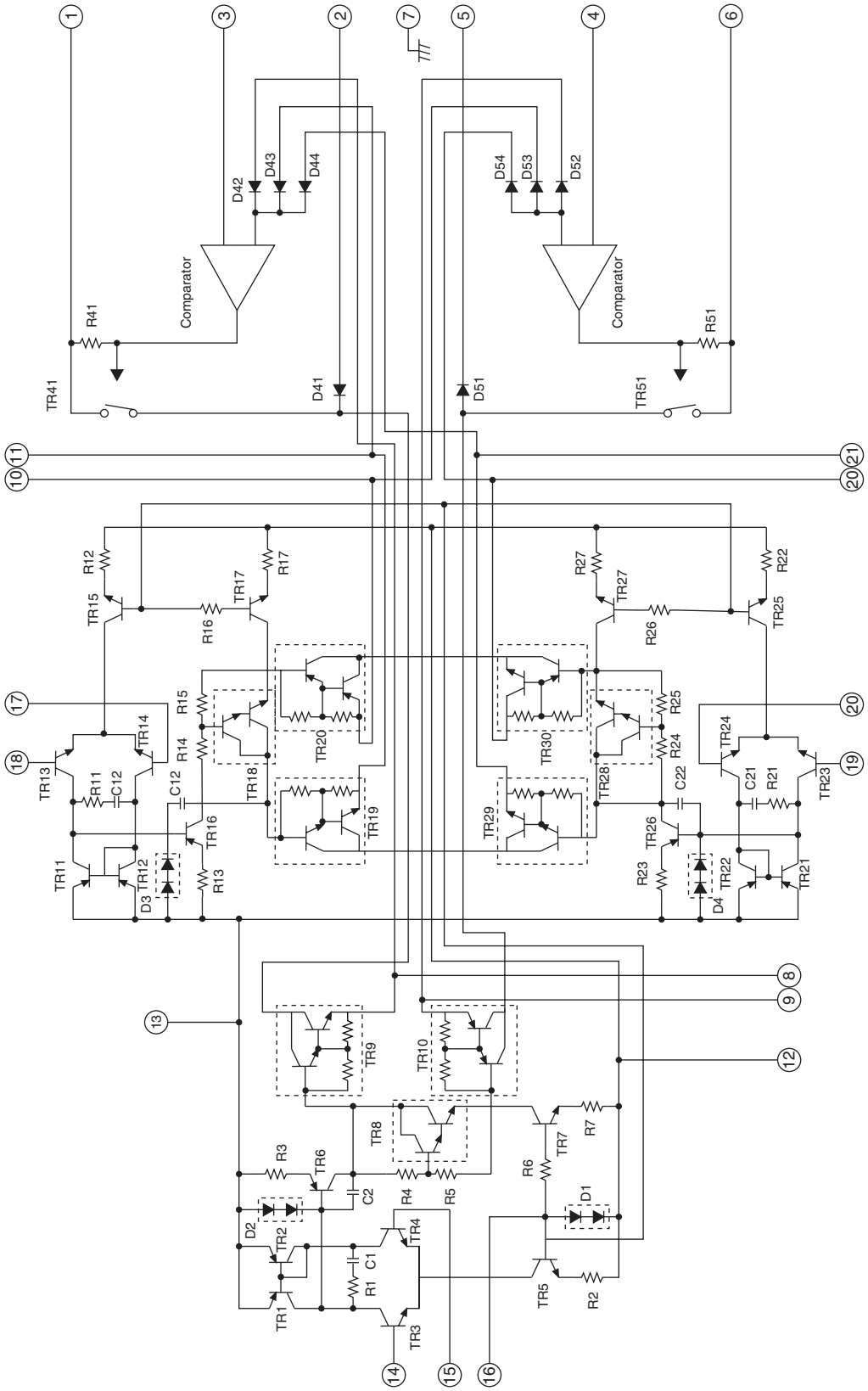
■ STK413-230C (POWER PACK ASSY : IC603)

• 3-channel high efficiency AF power amplifier

● **Pin Configuration**

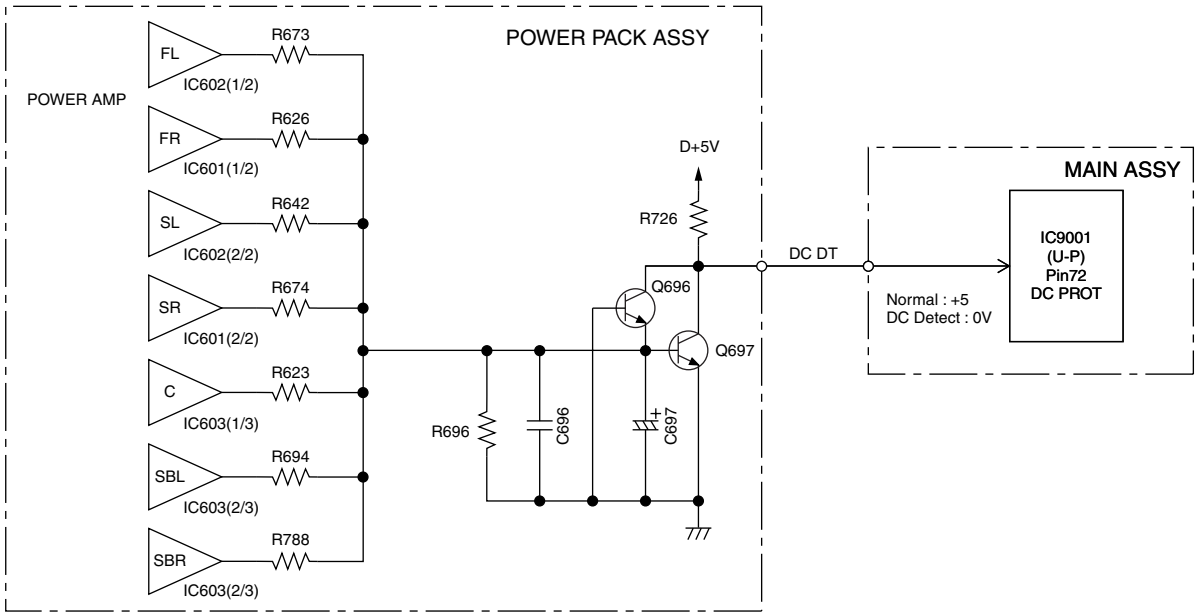


● **Block Diagram**

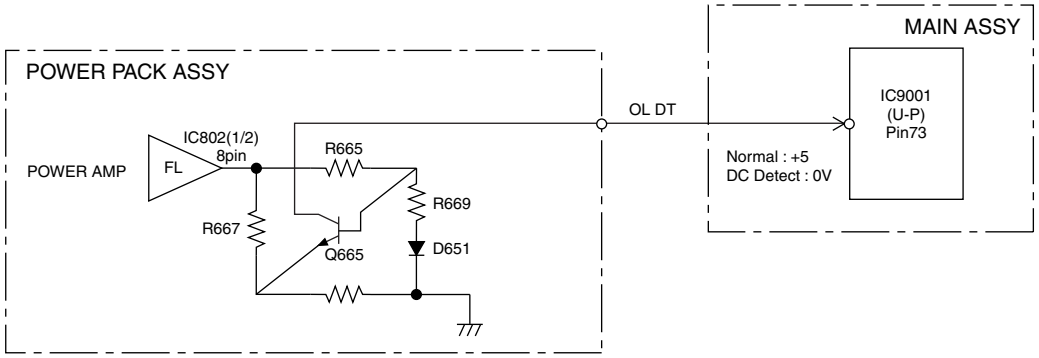


7.3 EXPLANATION
7.3.1 DETECTION CIRCUIT

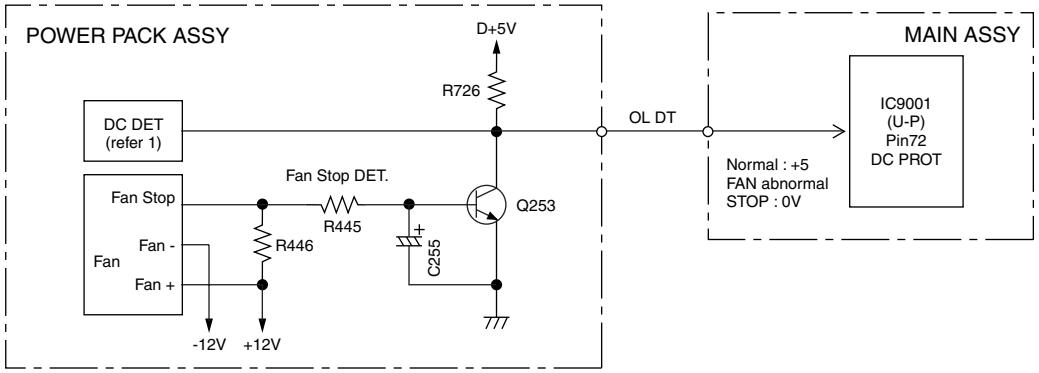
1. DC Derection Circuit Diagram : Example of VSX-816/KUXJ/CA



2. Overload Detection Circuit Diagram: Example of VSX-816/KUXJ/CA FRONT Channel



3. Fan Stop Prottection Circuit Diagram: (SPEAKER Impedance)



7.3.2 AMPLIFIER SYSTEM PROTECTION OPERATION SPECIFICATION

1. DC-abnormality detection

DC detection is only enabled 2 seconds after power-on.
If there is a fault in the power amplifier or a high-level signal lower than 5 Hz is input, the DC_DET port becomes “L”.
If the “L” is detected, the microprocessor will perform as following flow chart.

In the case of simultaneous detection with the overload protection circuit, DC-abnormality detection is performed preferentially to overload detection.

When a DC abnormality is detected, A.MUTE* is turned on, speaker relay is turned off, then "AMP_ERR" flashes on the display.

*A.MUTE : Audio mute command

↓

The abnormality continues for 3 seconds.

↓ Continues.

The power is shut off.

↓

Power key not effective.

↓ Recovery

The program restarts.

However, when the following keys are pushed so that the key input of a line and the service can be carried out, power can be on.
① TESTMODE ON (A55F+A55F)
② When power off, push FRONT ENTER key + ADVANCED SURROUND key continuously 2sec.
(②: When a DC abnormality is detected and the power is shut off.)
Any other key input from front panel or remote control will not be detected.

2. Overload detection

If the speaker terminals are short-circuited or low-load driving is detected, the OL_DET port becomes “L”.
If the “L” is detected, the microprocessor will perform as following flow chart.

When an overload is detected, A.MUTE* is turned on, speaker relay is turned off, then "OVERLOAD" flashes on the display.

↓

The abnormality continues for 3 seconds.

↓ Continues.

The power is shut off.

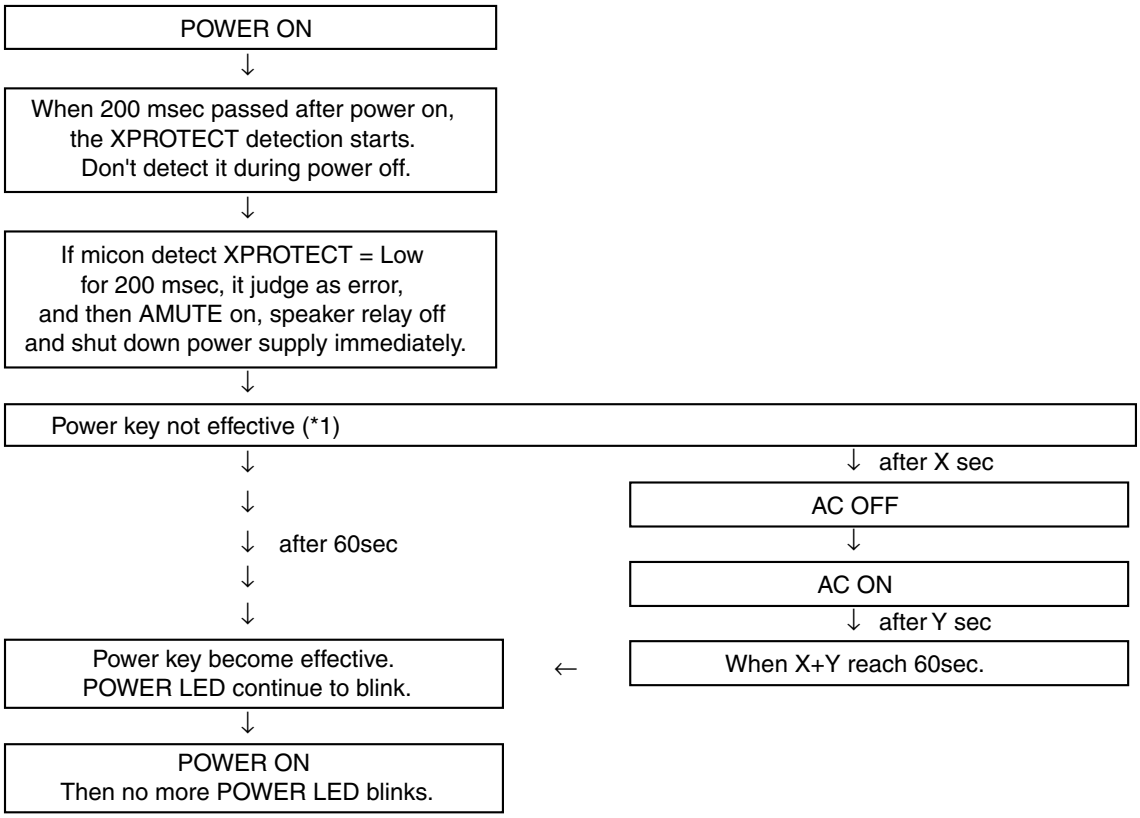
↓ Recovery

The power is shut off even if the unit recovers.

3. XPROTECT detection

XPROTECT is started to be monitored 200msec after power on.
XPROTECT port is checked every 20msec.
If Low level (ERROR) is recognized during consecutive 9 times, micon judge it as XPROTECT ERROR.

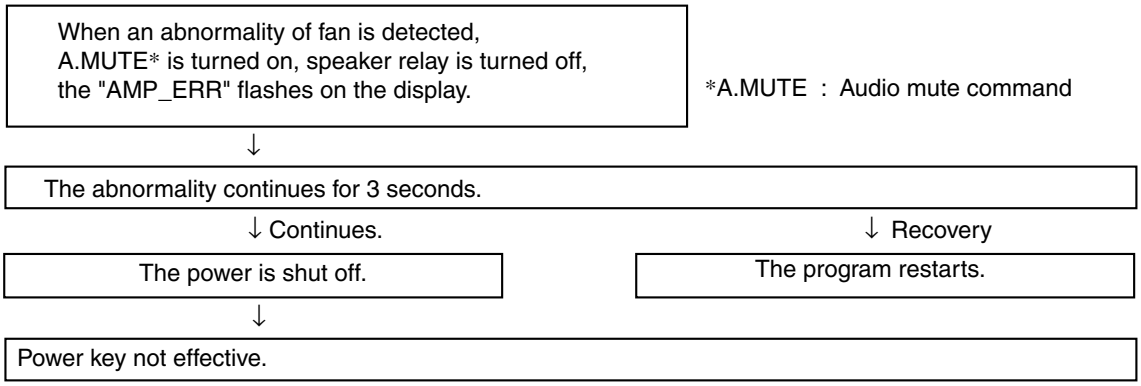
It processes more preferentially than DC abnormal detection and overload detection.



(*1) However, when the following keys are pushed so that the key input of a line and the service can be carried out, power can be on.
① TESTMODE ON (A55F+A55F)
② When power off, push FRONT ENTER key + ADVANCED SURROUND key continuously 2sec. (Effective, only when power-off is carried out by DC detection / XPROTECT detection)
Any other key input from front panel or remote control will not be detected.

4. Fan stop detection operation flow in the DC abnormality detection

If the fan is forcibly stopped, the 'DC PROT' port becomes "L". Then an abnormality of fan is detected.



However, when the following keys are pushed so that the key input of a line and the service can be carried out, power can be on.
① TESTMODE ON (A55F+A55F)
② When power off, push FRONT ENTER key + ADVANCED SURROUND key continuously 2sec. (Effective, only when power-off is carried out by DC detection)

7.3.3 AMPLIFIER FAILURE DIAGNOSIS FLOW CHART

■ **Amplifier failure diagnosis flow chart**

When DC detection is activated ("AMP_ERR" flashes on the display), failure (damage) of the power amplifier section is considered.
As DC detection and fan stop protection circuits commonly use same abnormality detection port in microprocessor, please make sure that the operation of fan motor is in normal condition before proceeding to the troubleshooting of amplifier.

Caution:
When release the lock state of power key before repair, please be careful because there is the possibility that more damages will occur when turns on the power once again!

• According to a symptom, perform the following confirmation beforehand.

1) Is the operation of fan motor in normal condition?

2) Are there any Fuses and IC protectors open?

3) After turn on the power, confirm that the supply voltage of the point that can be measured is appropriate. (Particularly the supply voltage of the power Tr and drive step)

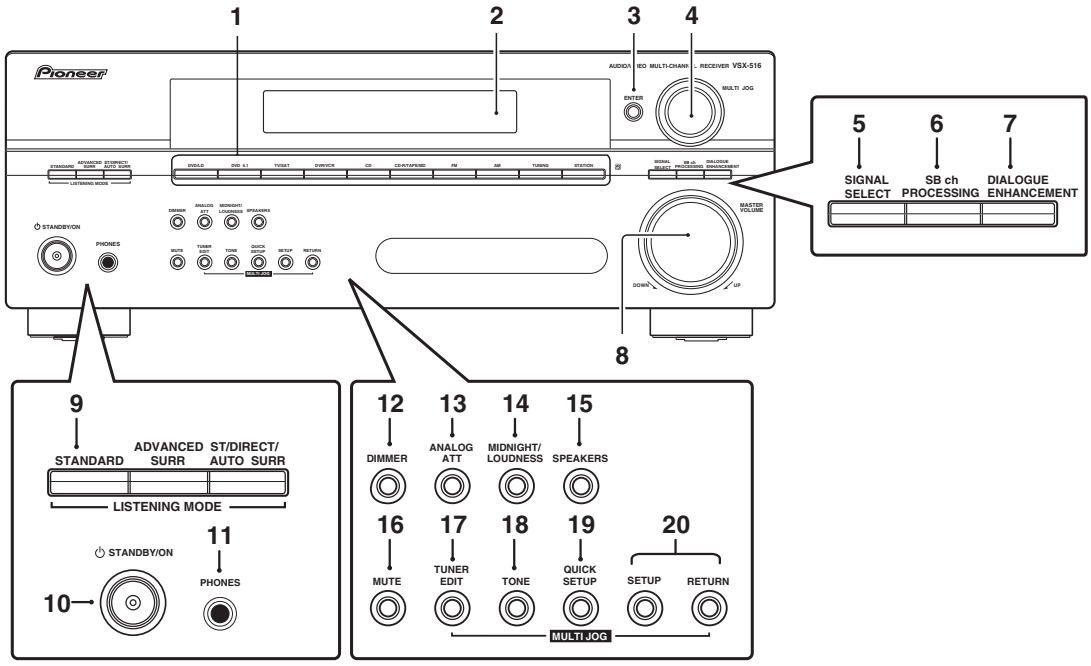
4) Whether the voltage of pin3 of IC601, IC602 or IC603 is equal to (VL-0.7V). If not (eg, equal to VH), then change the corresponding power pack IC601, IC602 or IC603.

5) Furthermore, check the output DC voltage of each channel of power pack IC601, IC602 and IC603 to limit the failure channel and identify the defect power pack.

• After identify the failure channel, check that each part is not damaged (resistor, diode... etc. value / open / short)

8. PANEL FACILITIES

Front panel VSX-516/KUCXJ



1 Input select buttons
Selects an input source.

2 Character display
See Display.

3 ENTER

4 MULTI JOG dial
The **MULTI JOG** dial performs a number of tasks. Use it to select options after pressing the designated **MULTI JOG** buttons.

5 SIGNAL SELECT
Selects an input signal.

6 SB ch PROCESSING
Selects a surround back channel option or (when the surround back speakers are not available) the Virtual Surround Back (VSB) mode.

7 DIALOGUE ENHANCEMENT
Use to make dialog stand out when watching TV or a movie.

8 MASTER VOLUME

9 LISTENING MODE buttons

STANDARD
Press for Standard decoding and to switch between the various ◻◻Pro Logic II and Neo:6 options.

ADVANCED SURR
Switches between the various surround modes.

ST/DIRECT/AUTO SURR
Switches between direct and stereo playback. Direct playback bypasses the tone controls for the most accurate reproduction of a source. Also selects the Auto Surround mode (Auto playback).

10 ⏻ STANDBY/ON

11 PHONES jack
Use to connect headphones (when connected, there is no sound output from the speakers).

12 DIMMER
Dims or brightens the display.

13 ANALOG ATT
Attenuates (lowers) the level of an analog input signal to prevent distortion.

14 MIDNIGHT/LOUDNESS
Switches to Midnight/Loudness listening .

15 SPEAKERS
Changes the speaker system and the impedance setting.

16 MUTE

17 TUNER EDIT
Memorizes/names stations for recall.

18 TONE
Press this button to access the bass and treble controls, which you can then adjust with the **MULTI JOG** dial.

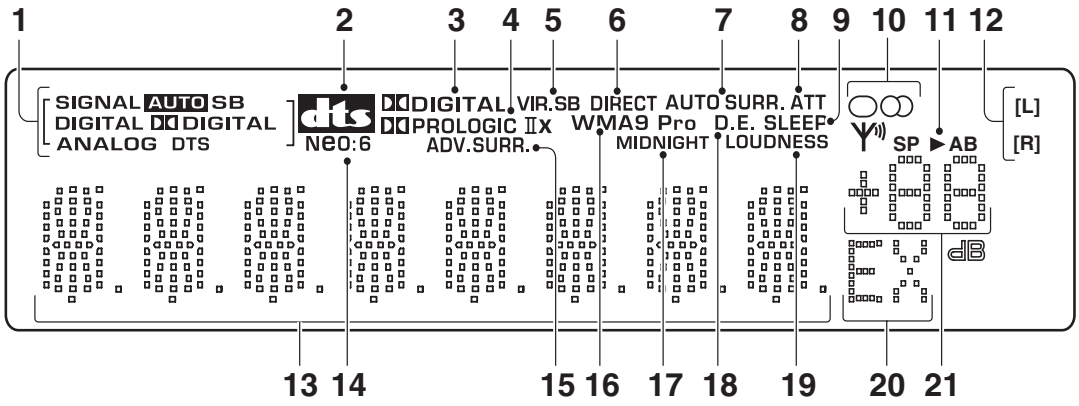
19 QUICK SETUP
See Using the Quick Setup.

20 System Setup menu controls

SETUP
Use with the **MULTI JOG** dial to access the System Setup menu.

RETURN
Confirms and exits the current menu.

Display VSX-516/KUCXJ



1 SIGNAL SELECT indicators
Lights to indicate the type of input signal assigned for the current component:

AUTO
Lights when **AUTO** signal select is on.

SB
Depending on the source, this lights when a signal with surround back channel encoding is detected.

DIGITAL
Lights when a digital audio signal is detected.

DTS
Lights when a source with DTS encoded audio signals is detected.

DIGITAL
Lights when a Dolby Digital encoded signal is detected.

ANALOG
Lights when an analog signal is detected.

2 dts
When the **STANDARD** mode of the receiver is on, this lights to indicate decoding of a DTS multichannel signal.

3 DIGITAL
When the **STANDARD** mode of the receiver is on, this lights to indicate decoding of a Dolby Digital multichannel signal.

4 PRO LOGIC II x
When the (**STANDARD**) Pro Logic II mode is on, **PRO LOGIC II x** lights to indicate Pro Logic IIx decoding (see Listening in surround sound).

5 VIR.SB
Lights during Virtual surround back processing.

6 DIRECT
Lights when source direct playback is in use. Direct playback bypasses the tone controls for the most accurate reproduction of a source.

7 AUTO SURR.
Lights when the Auto Surround feature is switched on (see Auto playback).

8 ATT
Lights when **INPUT ATT** is used to attenuate (reduce) the level of the analog input signal.

9 SLEEP
Lights when the receiver is in sleep mode.

10 Tuner indicators

/ MONO
Lights when the mono mode is set using the **MPX** button.

/ STEREO
Lights when a stereo FM broadcast is being received in auto stereo mode.

/ TUNED
Lights when a broadcast is being received.

11 Speaker indicator
Lights to indicate the current speaker system, **A** and/or **B**.

12 Sound Retriever indicators
Light when the Sound Retriever is switched on.

13 Character display

14 Neo:6
When the (**STANDARD**) Neo:6 mode of the receiver is on, this lights to indicate Neo:6 processing.

15 ADV.SURR (Advanced Surround)
Lights when one of the Advanced Surround modes has been selected.

16 WMA9 Pro
Lights to indicate decoding of a WMA9 Pro signal.

17 MIDNIGHT
Lights during Midnight listening.

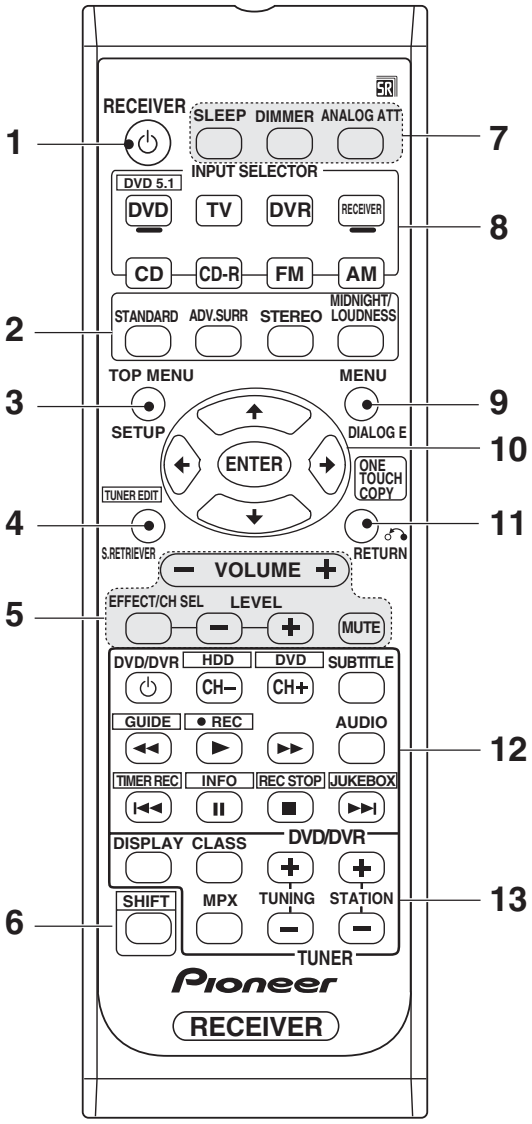
18 D.E.
Lights when Dialog Enhancement (**DIALOG E**) is switched on.

19 LOUDNESS
Lights during Loudness listening.

20 EX
Lights when a Dolby Digital Surround EX encoded signal is detected.

21 Master volume level

Remote control VSX-516/KUCXJ



1 RECEIVER⏻
Switches the receiver between standby and on.

2 Listening mode buttons

STANDARD
Press for Standard decoding and to switch between ◻◻Pro Logic II and Neo:6 options.

ADV.SURR
Switches between the various surround modes.

STEREO
Switches between direct and stereo playback. Also selects the Auto Surround mode(Auto playback).

MIDNIGHT/LOUDNESS
Switches to Midnight or Loudness listening.

3 TOP MENU
Displays the disc 'top' menu of a DVD.

SETUP
Press to access the System Setup menu.

4 TUNER EDIT
Memorizes/names stations for recall.

S. RETRIEVER
Press to restore CD quality sound to compressed audio sources.

5 RECEIVER CONTROL buttons

VOLUME +/-
Use to set the listening volume.

EFFECT/CH SEL
Press repeatedly to select a channel, then use **LEVEL +/-** to adjust the level.
Also adjusts the level of the Advanced Surround effects as well as Dolby Pro Logic IIx Music and Neo:6 Music parameters.
You can then use the **LEVEL +/-** buttons to make these adjustments.

LEVEL +/-
Use to adjust the effect and channel levels.

MUTE
Mutes/unmutes the sound.

6 SHIFT
Press to access the commands bordered by a rectangle on the remote.

7 SLEEP
Press to change the amount of time before the receiver switches into standby (**30 min - 60 min - 90 min - Off**). You can check the remaining sleep time at any time by pressing **SLEEP** once.

DIMMER
Dims or brightens the display.

ANALOG ATT
Attenuates (lowers) the level of an analog input signal to prevent distortion.

8 INPUT SELECTOR buttons
Press to select an input source.

DVD
Press to use the remote DVD controls.

RECEIVER
Use to switch to the receiver controls on the remote control. Use when setting up surround sound for the receiver.

9 MENU
Displays the disc menu of DVD-Video discs. It also displays TV menus.

DIALOG E
Use to make dialog stand out when watching TV or a movie.

10 ↑↓←→/ ENTER
Use the arrow buttons when setting up your surround sound system. Also used for DVD menus.

11 RETURN
Confirm and exit the current menu screen.

ONE TOUCH COPY
Copies the currently playing title from DVD to HDD or vice-versa.

12 DVD/DVR control buttons
Use these buttons to control a Pioneer DVD player or recorder connected to your system (press **SHIFT** to access the commands bordered by a rectangle)

Button	What it does
DVD/ DVR⏻	Turns DVD power on/off
CH +/-	Switches channels.
SUBTITLE	Displays/changes the subtitles on multilingual DVD-Video discs.
AUDIO	Changes audio language or channel.
►	Starts/resumes normal playback.
❚❚	Pauses/unpauses a disc.
■	Stops playback.
◄◄/►►	Press to start fast reverse/forward scanning.
I◄◄	Skips to the start of the current track or chapter, then previous tracks/chapters.
►►I	Skips to the next track or chapter.
HDD/ DVD	Switch between the hard disk and DVD controls for DVD/HDD recorders.
GUIDE	Displays the guides on a digital TV.
●REC	Starts recording.
TIMER REC	Accesses the timerrecording menu.
INFO	Displays additional EPG information
REC STOP	Stops recording.
JUKEBOX	Switches to the Jukebox feature.

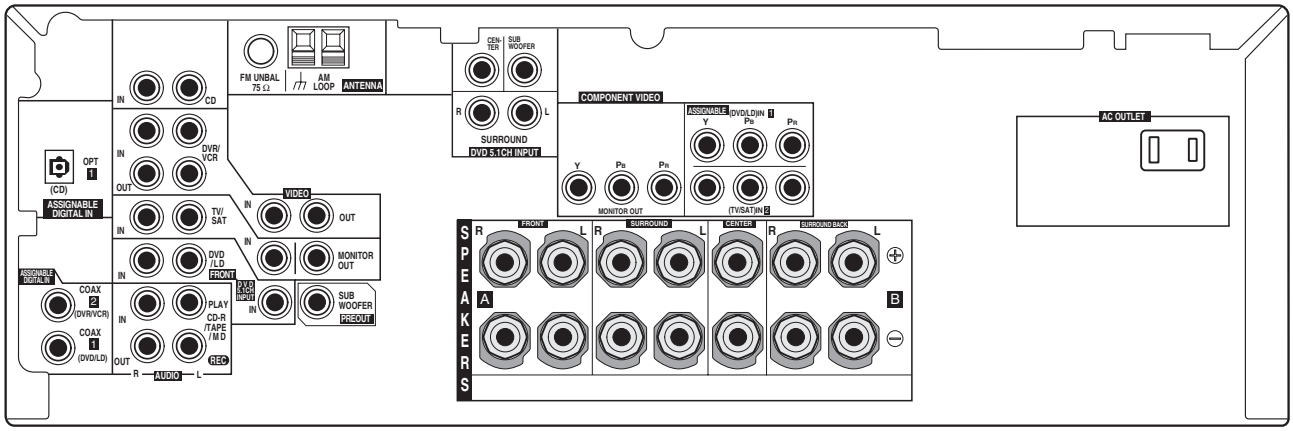
13 TUNER controls
The **TUNING +/-** buttons can be used to find radio frequencies and the **STATION +/-** buttons can be used to select preset radio stations.

DISPLAY
Switch the display between station preset name and frequency.

CLASS
Switches between the three banks (classes) of station presets.

MPX
Use to switch between auto stereo and mono reception of FM broadcasts. If the signal is weak then switching to mono will improve the sound quality.

VSX-516/KUCXJ



■ CLEANING

Before shipping out the product, be sure to clean the following positions by using the prescribed cleaning tools:

Position to be cleaned	Cleaning tools
Fans	Cleaning paper : GED-008