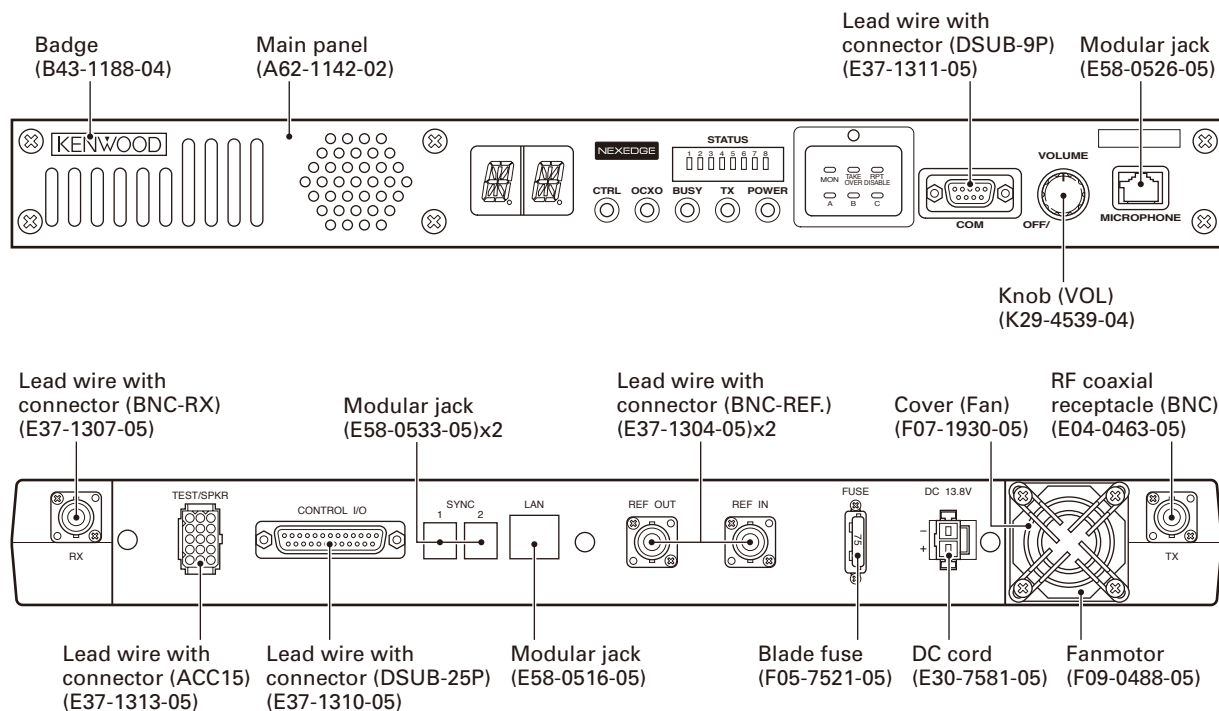


This NXR-800 (K, K2) service manual contains a number of sections which differ from the service manual (B51-8795-00) for the NXR-800 (K).
For items other than those in this NXR-800 (K, K2) service manual please refer to the service manual (B51-8795-00) for the NXR-800 (K).



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GENERAL

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Disclaimer

While every precaution has been taken in the preparation of this manual, Kenwood assumes no responsibility for errors or omissions. Neither is any liability assumed for damages resulting from the use of the information contained herein. Kenwood reserves the right to make changes to any products herein at any time for improvement purposes.

Firmware Copyrights

The title to and ownership of copyrights for firmware embedded in Kenwood product memories are reserved for Kenwood Corporation. Any modifying, reverse engineering, copy, reproducing or disclosing on an Internet website of the firmware is strictly prohibited without prior written consent of Kenwood Corporation. Furthermore, any reselling, assigning or transferring of the firmware is also strictly prohibited without embedding the firmware in Kenwood product memories.

NXDN Transceivers:

The AMBE+2(TM) voice coding technology is embedded in the firmware under the license of Digital Voice Systems, Inc.

INTRODUCTION

SCOPE OF THIS MANUAL

This manual is intended for use by experienced technicians familiar with similar types of commercial grade communications equipment. It contains all required service information for the equipment and is current as of the publication date. Changes which may occur after publication are covered by either Service Bulletins or Manual Revisions. These are issued as required.

ORDERING REPLACEMENT PARTS

When ordering replacement parts or equipment information, the full part identification number should be included. This applies to all parts : components, kits, or chassis. If the part number is not known, include the chassis or kit number of which it is a part, and a sufficient description of the required component for proper identification.

PERSONAL SAFETY

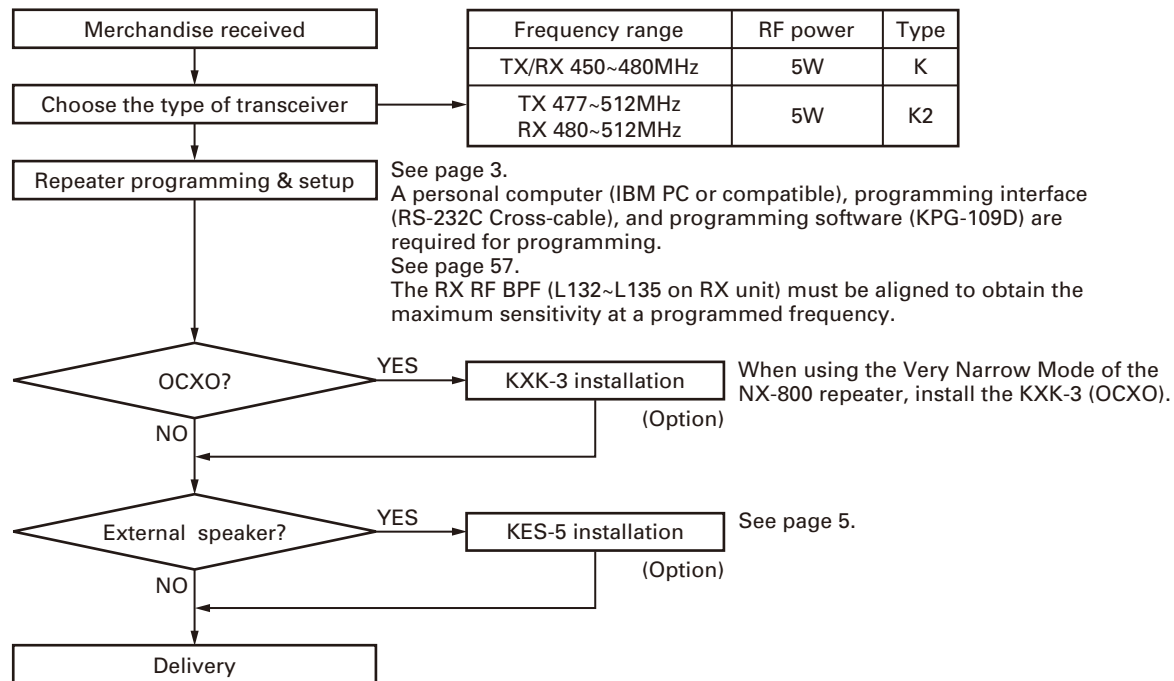
The following precautions are recommended for personal safety :

- DONOT transmit if someone is within two feet (0.6 meter) of the antenna.
- DONOT transmit until all RF connectors are secure and any open connectors are properly terminated.
- SHUT OFF this equipment when near electrical blasting caps or while in an explosive atmosphere.
- All equipment should be properly grounded before powerup for safe operation.
- This equipment should be serviced by only qualified technicians.

SERVICE

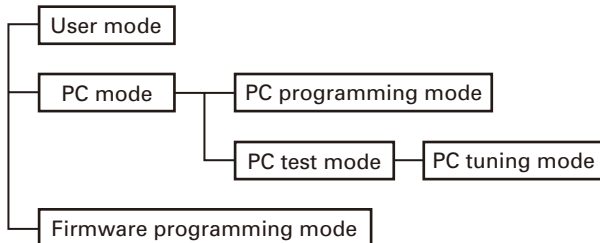
This transceiver is designed for easy servicing. Refer to the schematic diagrams, printed circuit board views, and alignment procedures contained within.

SYSTEM SET-UP



REALIGNMENT

1. Modes



Mode	Function
User mode	Use this mode for normal operation.
PC mode	Use this mode to make various settings by means of the FPU through the RS-232C port.
PC programming mode	Use to read and write frequency data and other features to and from the repeater.
PC test mode	Use to check the repeater using the PC. This feature is included in the FPU.
Firmware programming mode	Use when changing the firmware program of the flash memory.

2. How to Enter Each Mode

Mode	Operation
User mode	Power on.
PC mode	Received commands from PC.
Firmware programming mode	Received commands from PC.

3. PC Mode

3-1. Preface

The NXR-800 repeater is programmed by using a personal computer, programming interface and KPG-109D software.

3-2. Connection Procedure

1. Connect the NXR-800 to the personal computer with the interface cable.
2. When power is applied, the user mode is entered immediately. When the PC sends a command, the repeater enters the PC mode and displays "PC" on the 17-segment LED. When data is being transmitted to the PC from the repeater, the TX LED flashes. The BUSY LED flashes when data from the PC is being received by the repeater.

REALIGNMENT

Note:

- The data stored in the personal computer must match the model type, when it is written into the flash memory.
- Change the NXR-800 to PC mode, then attach the RS-232C Cross-cable.

3-3. KCT-53U Description (USB adapter: Option)

The KCT-53U is cable which connects the RS-232C Cross-cable to a USB port on a computer.

When using the KCT-53U, install the supplied CD-ROM (with driver software) in the computer. The KCT-53U driver runs under Windows 2000 or XP.

3-4. Programming Software Description

The KPG-109D is the programming software for NXR-800 supplied on a CD-ROM. This software runs under Windows 2000, XP or Vista on an IBM-PC or compatible machine.

The data can be input to or read from NXR-800 and edited on the screen. The programmed or edited data can be printed out. It is also possible to tune the transceiver.

3-5. Programming With IBM PC

Data can be programmed into the flash memory in RS-232C format via the COM connector.

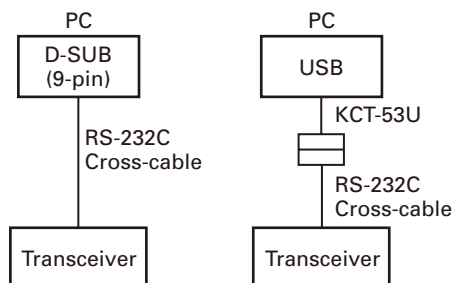
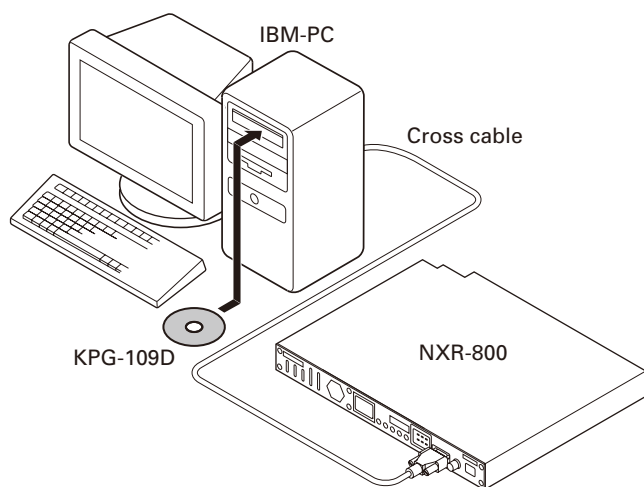


Fig. 1

4. Firmware Programming Mode

4-1. Preface

The NXR-800 uses flash memory to allow it to be easily upgraded when new features are released in the future.

4-2. Connection Procedure

Connect the NXR-800 to the personal computer (IBM PC or compatible) with the RS-232C Cross-cable. (Connection is the same as in the PC mode.)

Notes:

You can only program firmware from the DB-9 COM connector on the front panel. Using the 25-pin logic interface on the rear panel will not work.

4-3. Programming

1. Start up the programming software (Fpro. exe).
The Fpro. exe exists in the KPG-109D installed holder.
2. Set the communications speed (normally, 115200 bps) and communications port in the configuration item.
3. Set the firmware to be updated by file name item.
4. Turn the NXR-800 power on.
5. Check the connection between the NXR-800 and the personal computer, and make sure that the NXR-800 is in the program mode.
6. Press write button in the window. A window opens on the display to indicate progress of writing.
7. If writing ends successfully, the NXR-800 restarts.
8. If you want to continue programming other NXR-800s, repeat steps 3 to 6.

Notes:

It automatically enters the firmware program mode by the writing request from the programming software (KPG-109D).

4-4. Function

Baud rate is decided automatically with setting of programming software.

Note:

Normally, write in the high-speed mode (115200 bps).

INSTALLATION

1. External Speaker (KES-5)

The NXR-800 has a internal built-in speaker, and the external speaker output from the TEST/SPKR connector (15-pin) on the rear of the radio is 3W/4Ω. Use external speaker KES-5.

1-1. Connection for the KES-5 With the NXR-800

■ When taking the AF output from the TEST/SPKR connector (15-pin) on the rear of the radio

The following tools are required for changing the connector.

• Extracting tool

The following extracting tool is recommended:
Molex Inc. Order No.: 11-03-0002 (W05-0878-00)

1. Remove the connector with jumper from the external speaker connector on the rear panel of the radio. (Fig. 1-1)
Note: Save the jumper, which is required when the radio is used without the external speaker.
2. Remove the terminals with the jumper from the connector housing holes number 9 and 12 using the extracting tool.

Removing the jumper lead (Fig. 1-2)

- 1) Insert the extracting tool (11-03-0002) into the connector while pushing the jumper lead in the direction of (a).
- 2) Push the extracting tool into collapse the barbs of the crimp terminal.
- 3) Pull out the lead while continuing to push the extracting tool in the direction (b).
3. Reinsert the terminal with the black and white stripe lead into hole number 12, and the terminal with the black lead into hole number 6. (Fig. 1-3)
4. Attach the connector to the external speaker connector on the radio.

Notes:

- Relationship between TEST/SPKR connector (15-pin) connection and speaker output.
- When pins 9 and 12 are shorted: Built-in internal speaker is used.
- When pins 9 and 12 are open and output is from pins 6 and 12: KES-5 is used.

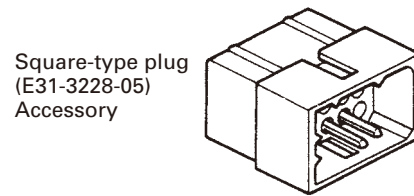


Fig. 1-1

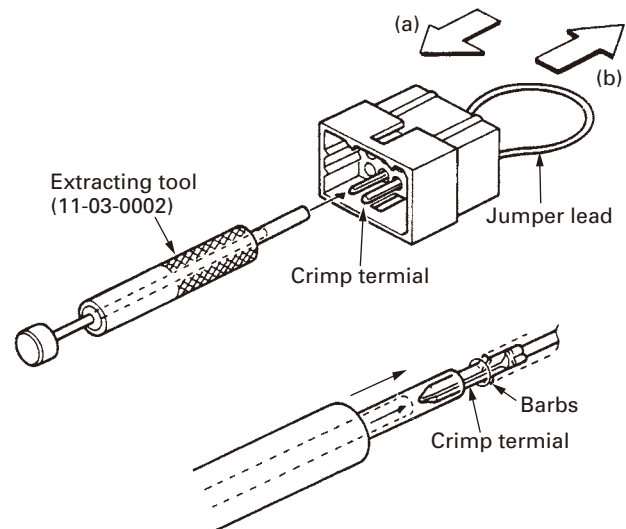


Fig. 1-2

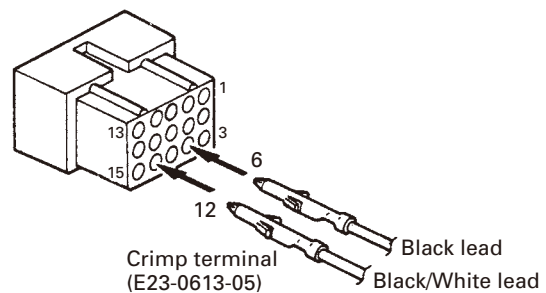


Fig. 1-3

CIRCUIT DESCRIPTION

1. Transmitter main PLL circuit

The transmitter main PLL circuit consists of the VCO (Q102 and Q103), PLL IC (IC101), IC102, Q104 and Q106 and produces the transmitter frequency signal.

The VCO Q102 produces transmitter frequencies from 450.000MHz to 464.995MHz (K), 477.000MHz to 494.495MHz (K2).

The VCO Q103 produces transmitter frequencies from 465.000MHz to 480.000MHz (K), 494.500MHz to 512.000MHz (K2).

The signal produced by the VCO (Q102 or Q103) is fed to the buffer amplifier and is amplified by Q106. The higher harmonic wave is attenuated by LPF and returns to the PLL IC (IC101).

IC101 divides the VCO oscillating frequency signal and transmitter PLL reference signal (4.5MHz), and compares the phase with the 100kHz comparison frequency.

The phase difference signal produced by the comparing phase is converted to a DC voltage by a lag-lead type loop filter.

The DC signal is applied to varicaps D101, D102, D107, and D108 to lock the VCO oscillator frequency with the desired oscillator frequency.

At the same time, the DC signal passes through the IC102 operational amplifier for monitoring the transmitter main PLL lock voltage.

The output from the VCO passes through the buffer amplifier Q104 and is supplied to the drive circuit.

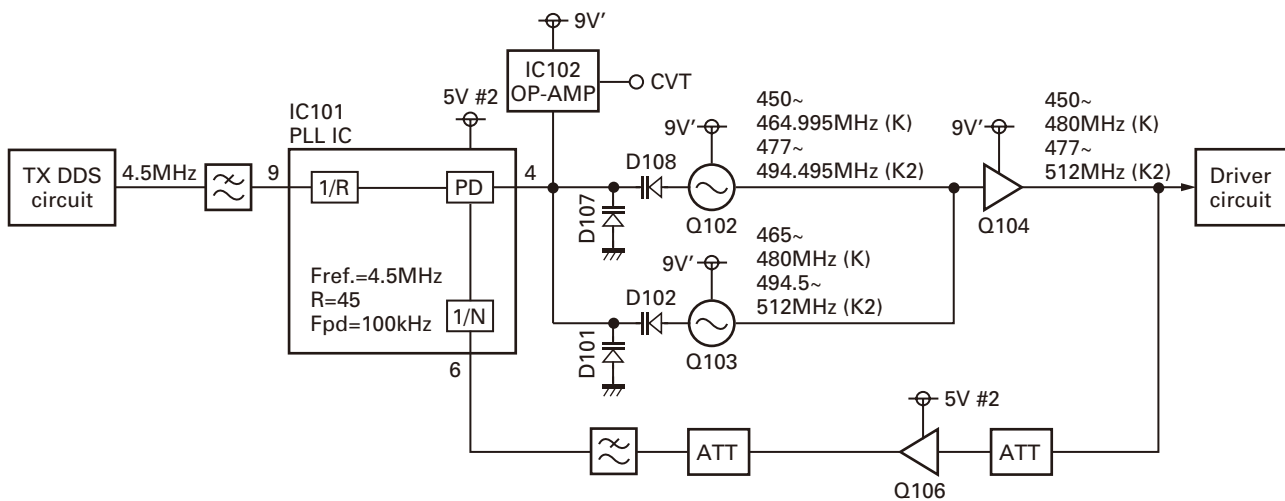


Fig.1 Transmitter main PLL circuit

CIRCUIT DESCRIPTION

2. Receiver PLL circuits

The receiver unit (X55-310) has the 1st-PLL circuit for controlling the VCO that generates the hetero signal to the first local oscillator, and the 2nd-PLL circuit for controlling the VCO that generates the hetero signal to the second local oscillator.

The 1st-PLL circuit consists of the VCO (Q7 and Q8), the Buffer amplifier (Q17), the RF amplifiers (Q16 and Q3), the PLL-IC (IC5), the Active loop filters (Q2 and Q4) and the Band switches (Q14, Q10, Q11 and Q59). The signal in the 400.05 (K), 430.05 (K2) through under 415.05MHz (K), 446.05MHz (K2) band generated by VCO Q7 and the 415.05 (K), 446.05 (K2) through 430.05MHz (K), 462.05MHz (K2) band generated by VCO Q8 is input to IC5 (pin5) via Q17 and Q16 as the Fin signal. The 6MHz reference signal generated by the DDS-IC (IC7) is input to IC5 (pin8) via Q3. Two signals, Fin and REFin, are phase-compared as the 100kHz comparison frequency by each frequency divider. The VCO output with the frequency synchronized is input to the 1st-

Mixer as the first local oscillator Lower hetero signal approximately +17dBm via Q17, Q23, and Q18. The control voltage is input to IC30 (ADC) pin16 via IC6.

Meanwhile, the 2nd-PLL circuit consists of the VCO (Q24), the Buffer amplifier (Q33), the RF amplifier (Q38, Q22), and the PLL-IC (IC11). The 99.0MHz signal generated by Q24 is input to IC11 (pin5) as the Fin signal via Q38. The 19.2MHz Internal reference clock distributed by the transmitter unit (X56-312) is input as the REFin signal to IC11 (pin8) via Q22. Two signals, Fin and REFin, are phase-compared by each frequency divider as the comparison frequency of 200kHz. The VCO output with the frequency synchronized is input to IC9 (prescaler IC) pin2 via Q33 and Q21. The 49.5MHz signal is frequency-divided into halves by IC9 and is excited by Q53 and distributed. One is input to IC12 (pin1) via Buffer amplifier_Q35. The other is input to IC13 (pin4) via Buffer amplifier_Q36. Both are input as approximately -16dBm for the second local oscillator Lower hetero signal. The control voltage at this point is input to IC30 (ADC) pin10 via IC33.

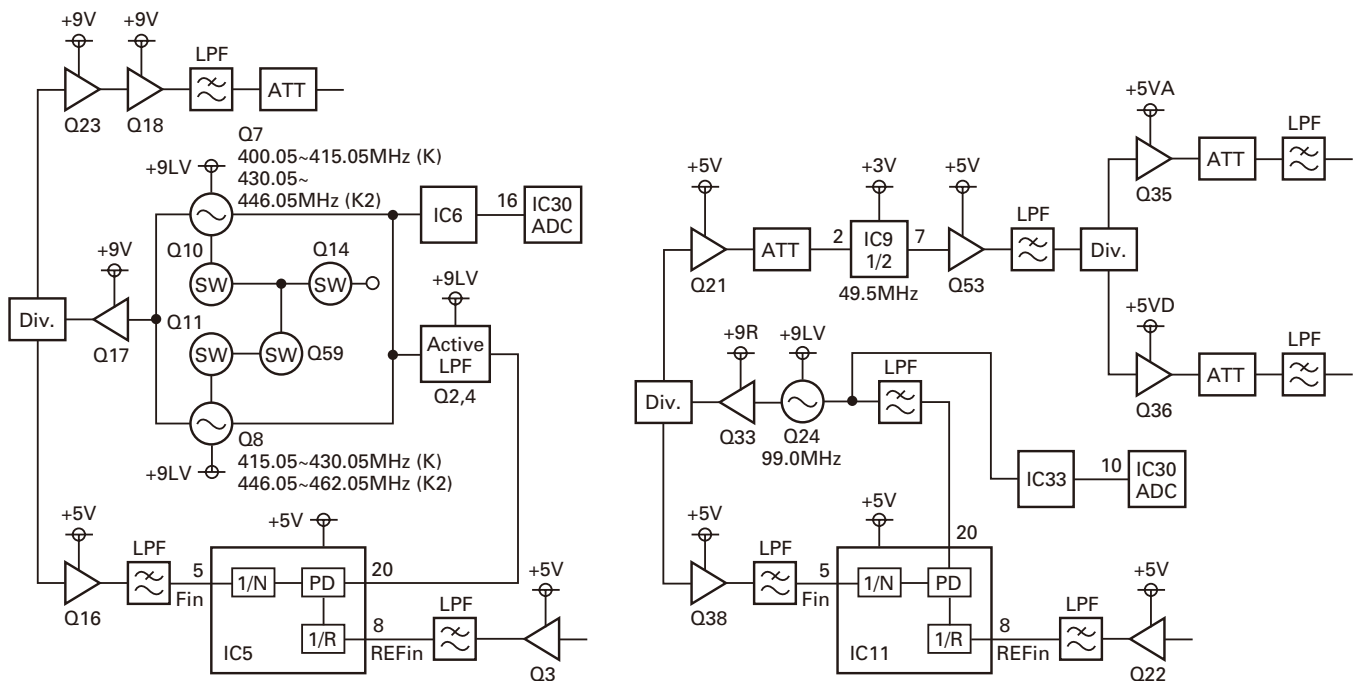


Fig. 2 Receiver PLL circuits

PARTS LIST

CAPACITORS

CC 45 TH 1 H 2 2 0 J
1 2 3 4 5 6

1 = Type ... ceramic, electrolytic, etc.

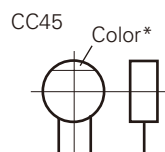
2 = Shape ... round, square, etc.

3 = Temp. coefficient

4 = Voltage rating

5 = Value

6 = Tolerance



• Capacitor value

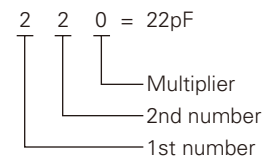
010 = 1pF

100 = 10pF

101 = 100pF

102 = 1000pF = 0.001μF

103 = 0.01μF



• Temperature coefficient

1st Word	C	L	P	R	S	T	U
Color*	Black	Red	Orange	Yellow	Green	Blue	Violet
ppm/°C	0	-80	-150	-220	-330	-470	-750

2nd Word	G	H	J	K	L
ppm/°C	±30	±60	±120	±250	±500

Example : CC45TH = -470±60ppm/°C

• Tolerance (More than 10pF)

Code	C	D	G	J	K	M	X	Z	P	No code
(%)	±0.25	±0.5	±2	±5	±10	±20	+40 -20	+80 -20	+100 -0	More than 10μF : -10~+50 Less than 4.7μF : -10~+75

(Less than 10pF)

Code	B	C	D	F	G
(pF)	±0.1	±0.25	±0.5	±1	±2

• Voltage rating

2nd word 1st word	A	B	C	D	E	F	G	H	J	K	V
0	1.0	1.25	1.6	2.0	2.5	3.15	4.0	5.0	6.3	8.0	-
1	10	12.5	16	20	25	31.5	40	50	63	80	35
2	100	125	160	200	250	315	400	500	630	800	-
3	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	-

• Chip capacitors

(EX) CC 73 F SL 1 H 0 0 0 J
1 2 3 4 5 6 7
(Chip) (CH, RH, UJ, SL)

(EX) CK 73 F F 1 H 0 0 0 Z
1 2 3 4 5 6 7
(Chip) (B, F)

Refer to the table above.

1 = Type

2 = Shape

3 = Dimension

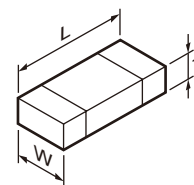
4 = Temp. coefficient

5 = Voltage rating

6 = Value

7 = Tolerance

• Dimension



Chip capacitor

Code	L	W	T
Empty	5.6±0.5	5.0±0.5	Less than 2.0
A	4.5±0.5	3.2±0.4	Less than 2.0
B	4.5±0.5	2.0±0.3	Less than 2.0
C	4.5±0.5	1.25±0.2	Less than 1.25
D	3.2±0.4	2.5±0.3	Less than 1.5
E	3.2±0.2	1.6±0.2	Less than 1.25
F	2.0±0.3	1.25±0.2	Less than 1.25
G	1.6±0.2	0.8±0.2	Less than 1.0
H	1.0±0.05	0.5±0.05	0.5±0.05

Chip resistor

Code	L	W	T
E	3.2±0.2	1.6±0.2	1.0
F	2.0±0.3	1.25±0.2	1.0
G	1.6±0.2	0.8±0.2	0.5±0.1
H	1.0±0.05	0.5±0.05	0.35±0.05

• Rating wattage

Code	Wattage	Code	Wattage	Code	Wattage
1J	1/16W	2C	1/6W	3A	1W
2A	1/10W	2E	1/4W	3D	2W
2B	1/8W	2H	1/2W		

RESISTORS

• Chip resistor (Carbon)

(EX) RD 73 E B 2 B 0 0 0 J
1 2 3 4 5 6 7
(Chip) (B, F)

• Carbon resistor (Normal type)

(EX) RD 14 B B 2 C 0 0 0 J
1 2 3 4 5 6 7

1 = Type

2 = Shape

3 = Dimension

4 = Temp. coefficient

5 = Rating wattage

6 = Value

7 = Tolerance

PARTS LIST

* New Parts. Δ indicates safety critical components.

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

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

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

L : Scandinavia

Y : PX (Far East, Hawaii)

Y : AAFES (Europe)

K : USA

T : England

X : Australia

P : Canada

E : Europe

M : Other Areas

NXR-800 (Y54-3250-XX)

FINAL UNIT (X45-3820-XX)

Ref. No.	Address	New parts	Parts No.	Description	Destination
NXR-800					
1	3A		A62-1142-02	MAIN PANEL	
3	1E		B10-2781-04	FRONT GLASS ACCESSORY	
4	3A		B11-1841-04	FILTER (PF)	
5	3A		B11-1842-04	FILTER (17SEG)	
6	3A		B11-1843-04	FILTER (LED)	
7	3A		B11-1844-04	FILTER (STATUS)	
8	3A		B42-7296-04	STICKER (NEXEDGE)	
9	3A		B43-1188-04	BADGE	
10	1F	*	B62-1994-10	INSTRUCTION MANUAL	
12	2B		E04-0463-05	RF COAXIAL RECEPTACLE (BNC)	
13	1F		E30-3344-25	DC CORD ACCESSORY	
14	1B		E30-7581-05	DC CORD	
15	2C		E30-7582-05	TRUNK CABLE	
16	1B,2C		E30-7583-05	TRUNK CABLE	
17	1B,1C		E37-1295-05	FLAT CABLE (36P)	
18	1B		E37-1299-05	LEAD WIRE WITH TERMINAL (FUSE-DC +)	
19	1B		E37-1300-05	LEAD WIRE WITH TERMINAL (FUSE-DC-)	
20	1B		E37-1301-05	LEAD WIRE WITH TERMINAL (DC-PA +)	
21	1B		E37-1302-05	LEAD WIRE WITH TERMINAL (DC-PA-)	
22	2C		E37-1303-05	LEAD WIRE WITH CONNECTOR (BNC-RX)	
23	2D		E37-1304-05	LEAD WIRE WITH CONNECTOR (BNC-TX)	
24	1B		E37-1305-05	LEAD WIRE WITH CONNECTOR (DC-TX)	
25	1C		E37-1306-05	LEAD WIRE WITH CONNECTOR (DC-CONT)	
26	2C		E37-1307-05	LEAD WIRE WITH CONNECTOR (DC-RX)	
27	2D		E37-1308-05	LEAD WIRE WITH CONNECTOR (RX-DCDC)	
28	1D		E37-1310-05	LEAD WIRE WITH CONNECTOR (DSUB-25P)	
29	3B		E37-1311-05	LEAD WIRE WITH CONNECTOR (DSUB-9P)	
30	2D		E37-1313-05	LEAD WIRE WITH CONNECTOR (ACC15P)	
31	3B		E37-1314-05	LEAD WIRE WITH CONNECTOR (DISP-MIC)	
32	3B		E37-1315-05	LEAD WIRE WITH CONNECTOR (DISP-17SEG)	
33	2B		E37-1316-05	LEAD WIRE WITH CONNECTOR (SP)	
34	1E		E37-1381-05	15P PLUG ACCESSORY	
36	1D,1E		F05-7521-05	BLADE FUSE (7.5A/32V) ACCESSORY	
37	2A		F07-1930-05	COVER (FAN)	
38	1D		F09-0445-05	CAP (25P)	
39	3B		F09-0484-05	CAP (9P)	
40	2A		F09-0488-05	FANMOTOR	
42	3A		G10-1343-04	FIBROUS SHEET (FRONT PANEL)	
43	2B		G11-4408-04	RUBBER SHEET (CONT-TR)	
44	3A		G13-2163-04	CUSHION (PF)	
46	3B		J19-5496-02	HOLDER (DISP)	
47	1C		J19-5497-05	HOLDER (COMPACT FLASH)	
48	1E		J29-0725-04	BRACKET (SIDE)	
49	3A		J39-0655-03	SPACER (SP)	
50	2D		J61-0307-05	BAND (DC)	
52	1E		K01-0421-05	HANDLE ACCESSORY	
53	3A		K29-4539-04	KNOB (VOLUME)	
55	1F		L79-1419-05	LINE FILTER (DC)	
A	1E		N08-0563-04	DRESSED SCREW (FRONT GLASS)	
B	3B,1D		N09-2292-05	HEXAGON HEAD SCREW (DSUB)	
C	1C		N30-2008-43	PAN HEAD MACHINE SCREW (CF)	

Ref. No.	Address	New parts	Parts No.	Description	Destination
D	2C,1D		N30-2606-48	PAN HEAD MACHINE SCREW (BNC)	
E	2A		N30-3016-43	PAN HEAD MACHINE SCREW (FAN)	
F	2D,3D		N32-3006-43	FLAT HEAD MACHINE SCREW (TOP,REAR)	
G	3A,1E		N32-4008-43	FLAT HEAD MACHINE SCREW (PANEL)	
H	1B,1C		N67-3008-48	PAN HEAD SEMS SCREW (AVR)	
J	3B		N80-2006-43	PAN HEAD TAPTITE SCREW (DISP)	
K	1D		N80-2608-43	PAN HEAD TAPTITE SCREW (FUSE)	
L	1B,2C		N87-2608-48	BRAZIER HEAD TAPTITE SCREW (PCB)	
57	3A		T07-0347-15	SPEAKER	
FINAL UNIT (X45-3820-XX) -10 : K -11 : K2					
C1,2			CD04BD1H101M	ELECTRO 100UF 50WV	
C7,8			CE32BM1V220M	CHIP EL 22UF 35WV	
C10,11			CK73GB1H471K	CHIP C 470PF K	
C15-17			CK73GB1H103K	CHIP C 0.010UF K	
C21			CK73GB1H471K	CHIP C 470PF K	
C25,26			CK73GB1H103K	CHIP C 0.010UF K	
C29,30			CK73GB1H471K	CHIP C 470PF K	
C32			CE32BM1V220M	CHIP EL 22UF 35WV	
C33			CE32AU1E100M	CHIP EL 10UF 25WV	
C36			CK73GB1H471K	CHIP C 470PF K	
C37			CK73GB1H103K	CHIP C 0.010UF K	
C38			CE32AU1E100M	CHIP EL 10UF 25WV	
C39			CK73GB1H471K	CHIP C 470PF K	
C40			CK73GB1H103K	CHIP C 0.010UF K	
C41,42			CK73GB1H471K	CHIP C 470PF K	
C44			CE32CL1V100M	CHIP EL 10UF 35WV	
C45,46			CK73GB1H471K	CHIP C 470PF K	
C47			CK73GB1H103K	CHIP C 0.010UF K	
C49			CK73GB1H104K	CHIP C 0.10UF K	
C50-52			CK73GB1H471K	CHIP C 470PF K	
C53			CK73GB1H103K	CHIP C 0.010UF K	
C54			CK73GB1H471K	CHIP C 470PF K	
C58			CK73GB1H471K	CHIP C 470PF K	
C59			CK73GB1H103K	CHIP C 0.010UF K	
C60			C93-0572-05	CHIP C 100PF J	K
C60			C93-0599-05	CHIP C 470PF K	K2
C61			CK73GB1H471K	CHIP C 470PF K	
C62			CK73GB1H103K	CHIP C 0.010UF K	
C63-65			CK73GB1H471K	CHIP C 470PF K	
C67			CK73GB1H471K	CHIP C 470PF K	
C68			CE32CL1V100M	CHIP EL 10UF 35WV	
C70			CK73GB1H103K	CHIP C 0.010UF K	
C71-75			CK73GB1H471K	CHIP C 470PF K	
C77,78			CK73GB1H471K	CHIP C 470PF K	
C80			CK73GB1H103K	CHIP C 0.010UF K	
C82			CK73GB1H104K	CHIP C 0.10UF K	
C83			CK73GB1H471K	CHIP C 470PF K	
C85			CC73GCH1H080D	CHIP C 8.0PF D	
C86			CK73GB1H103K	CHIP C 0.010UF K	

PARTS LIST

FINAL UNIT (X45-3820-XX)

Ref. No.	Address	New parts	Parts No.	Description	Destination	Ref. No.	Address	New parts	Parts No.	Description	Destination
C87			CC73GCH1H080D	CHIP C 8.0PF D	K2	C716			CK73GB1H104K	CHIP C 0.10UF K	
C87			CC73GCH1H120J	CHIP C 12PF J	K	C717,718			CK73GB1H471K	CHIP C 470PF K	
C88-90			CK73GB1H471K	CHIP C 470PF K		C900			CK73GB1H104K	CHIP C 0.10UF K	
C94,95			CK73GB1H104K	CHIP C 0.10UF K		C901			CK73GB1H102K	CHIP C 1000PF K	
C96-102			CK73GB1H471K	CHIP C 470PF K		C902			CC73GCH1H101J	CHIP C 100PF J	
C104			CK73GB1H471K	CHIP C 470PF K		C904			CC73GCH1H101J	CHIP C 100PF J	
C105			C93-0568-05	CHIP C 47PF J	K2	C905			CK73FB0J106K	CHIP C 10UF K	
C105			C93-0599-05	CHIP C 470PF K	K	C906-908			CK73GB1H102K	CHIP C 1000PF K	
C106			CK73GB1H471K	CHIP C 470PF K		C909,910			CC73GCH1H101J	CHIP C 100PF J	
C108,109			CK73GB1H471K	CHIP C 470PF K		C912,913			CC73GCH1H101J	CHIP C 100PF J	
C111			C93-0552-05	CHIP C 2.0PF C		C914			CK73GB1H104K	CHIP C 0.10UF K	
C112			CK73GB1H471K	CHIP C 470PF K		C915			CC73GCH1H101J	CHIP C 100PF J	
C113,114			CK73GB1H472K	CHIP C 4700PF K		C916			CK73GB1H102K	CHIP C 1000PF K	
C115			CK73GB1H471K	CHIP C 470PF K		CN1			E04-0193-05	PIN SOCKET	
C117			CK73GB1H103K	CHIP C 0.010UF K		CN2			E23-0902-05	TERMINAL	
C119			CC73GCH1H040C	CHIP C 4.0PF C	K	CN8			E41-2671-05	PIN ASSY	
C119			CC73GCH1H050C	CHIP C 5.0PF C	K2	CN11			E41-2673-05	PIN ASSY	
C122			C93-0562-05	CHIP C 15PF J	K2	CN12			E41-2672-05	PIN ASSY	
C122			C93-0572-05	CHIP C 100PF J	K	CN15			E41-2672-05	PIN ASSY	
C123			C93-0566-05	CHIP C 33PF J	K	CN19			E04-0193-05	PIN SOCKET	
C123			C93-0567-05	CHIP C 39PF J	K2	CN20			E40-6656-05	PIN ASSY	
C124			CK73GB1H471K	CHIP C 470PF K		CN701			E41-2741-05	PIN ASSY	
C126			C93-0554-05	CHIP C 4.0PF C	K	CN905			E41-1483-05	PIN ASSY	
C127,128			CK73GB1H471K	CHIP C 470PF K		J901			E58-0526-05	MODULAR JACK	
C130			C93-0557-05	CHIP C 7.0PF D	K2	CN4			J13-0071-05	FUSE HOLDER	
C131			C93-0557-05	CHIP C 7.0PF D	K	L1			L92-0179-05	CHIP FERRITE	
C132			C93-0556-05	CHIP C 6.0PF D	K2	L3			L79-0558-05	FILTER	
C133,134			CK73GB1H471K	CHIP C 470PF K		L4			L92-0131-05	CHIP FERRITE	
C137			C93-0554-05	CHIP C 4.0PF C	K2	L5			L34-4518-05	AIR-CORE COIL	
C138			CE32CL1V100M	CHIP EL 10UF 35WV		L9			L34-4638-05	AIR-CORE COIL	
C141			C93-0599-05	CHIP C 470PF K		L10			L34-4605-05	AIR-CORE COIL	
C147			C93-0557-05	CHIP C 7.0PF D	K	L12			L34-4518-05	AIR-CORE COIL	
C148			C93-0553-05	CHIP C 3.0PF C	K2	L13-15			L34-4517-05	AIR-CORE COIL	
C149			C93-0556-05	CHIP C 6.0PF D	K2	L17			L34-4523-05	AIR-CORE COIL	
C149			C93-0557-05	CHIP C 7.0PF D	K	L701,702			L41-4705-33	SMALL FIXED INDUCTOR (47UH)	
C150			CK73GB1H104K	CHIP C 0.10UF K		L703,704			L41-1095-33	SMALL FIXED INDUCTOR (1.0UH)	
C158			C93-0552-05	CHIP C 2.0PF C	K	L900			L92-0447-05	BEADS CORE	
C159			C93-0553-05	CHIP C 3.0PF C	K	CP1			RK75GB1J103J	CHIP-COM 10K J 1/16W	
C161			CC73FCH1H102J	CHIP C 1000PF J	K2	R1			RK73FB2B271J	CHIP R 270 J 1/8W	
C161			CC73FCH1H220J	CHIP C 22PF J	K	R2			RK73FB2B180J	CHIP R 18 J 1/8W	
C162			CK73GB1H104K	CHIP C 0.10UF K		R3			RK73FB2B271J	CHIP R 270 J 1/8W	
C167			CK73GB1H104K	CHIP C 0.10UF K		R4			R92-3604-05	CHIP R 0.047 D 1.0W	
C169,170			CK73GB1H471K	CHIP C 470PF K		R9			RK73GB2A101J	CHIP R 100 J 1/10W	
C187,188			C92-0905-05	OS-CON 47UF 35WV		R11			RS14DB3A4R7J	FL-PROOF RS 4.7 J 1W	
C189			CK73GB1H103K	CHIP C 0.010UF K		R12,13			RK73GB2A103J	CHIP R 10K J 1/10W	
C190			CK73GB1H471K	CHIP C 470PF K		R15			RK73GB2A332J	CHIP R 3.3K J 1/10W	
C191			CK73GB1E105K	CHIP C 1.0UF K		R17			RK73GB2A103J	CHIP R 10K J 1/10W	
C193			CC73FCH1H101J	CHIP C 100PF J	K2	R18			RK73GB2A473J	CHIP R 47K J 1/10W	
C701			CK73GB1E105K	CHIP C 1.0UF K		R20			RK73GB2A104J	CHIP R 100K J 1/10W	
C702,703			CK73GB1H471K	CHIP C 470PF K		R21,22			RK73GB2A184J	CHIP R 180K J 1/10W	
C704			CE32AU1E100M	CHIP EL 10UF 25WV		R23			RK73FB2B000J	CHIP R 0.0 J 1/8W	
C705			CK73GB1E105K	CHIP C 1.0UF K		R25			RK73GB2A104J	CHIP R 100K J 1/10W	
C706,707			CK73GB1H471K	CHIP C 470PF K		R26			RK73EB2E101J	CHIP R 100 J 1/4W	
C708			CE32CL1V100M	CHIP EL 10UF 35WV		R27			RK73GB2A224J	CHIP R 220K J 1/10W	
C709			CE32AU1C330M	CHIP EL 33UF 16WV		R28			RK73GB2A474J	CHIP R 470K J 1/10W	
C710			CK73GB1H104K	CHIP C 0.10UF K		R29,30			RK73GB2A103J	CHIP R 10K J 1/10W	
C711			CS77CB21C100M	CHIP TNTL 10UF 16WV		R31-33			RK73GB2A104J	CHIP R 100K J 1/10W	
C712			CE32AU1C330M	CHIP EL 33UF 16WV							
C713,714			CK73GB1H104K	CHIP C 0.10UF K							
C715			CE32AU1C330M	CHIP EL 33UF 16WV							

PARTS LIST

FINAL UNIT (X45-3820-XX)
CONTROL UNIT (X53-4130-11)

Ref. No.	Address	New parts	Parts No.	Description	Destination	Ref. No.	Address	New parts	Parts No.	Description	Destination
R34			RK73FB2B8R2J	CHIP R 8.2 J 1/8W		VR2			R32-0754-05	SEMI FIXED VARIABLE RESISTOR (10K)	
R35,36			RK73GB2A823J	CHIP R 82K J 1/10W		VR902		*	R31-0668-05	VARIABLE RESISTOR (10K)	
R37			RK73GB2A104J	CHIP R 100K J 1/10W		D4		*	Z5W27V	SURGE ABSORBER	
R38			RK73FB2B151J	CHIP R 150 J 1/8W		D5			DSM3MA1-RPB	DIODE	
R39,40			RK73GB2A334J	CHIP R 330K J 1/10W		D6			1SS355	DIODE	
R41			RK73GB2A000J	CHIP R 0.0 J 1/10W		D7			02CZ5.6(Y)F	ZENER DIODE	
R42			RK73FB2B8R2J	CHIP R 8.2 J 1/8W		D9,10			HSB88WS	DIODE	
R44			RK73FB2B8R2J	CHIP R 8.2 J 1/8W		D11			L7091CER	DIODE	
R45,46			RK73GB2A000J	CHIP R 0.0 J 1/10W		D14-16			L7091CER	DIODE	
R47			RK73FB2B151J	CHIP R 150 J 1/8W		D19			02CZ4.7(Y)F	ZENER DIODE	
R49			RK73GB2A000J	CHIP R 0.0 J 1/10W		D902			AVRM16270MABB	VARIATOR	
R50,51			RK73GB2A104J	CHIP R 100K J 1/10W		IC1			LTC6101BIS5-F	ANALOGUE IC	
R52			RK73FB2B8R2J	CHIP R 8.2 J 1/8W		IC2			NJM2904E-ZB	ANALOGUE IC	
R53-58			RK73GB2A104J	CHIP R 100K J 1/10W	K2	IC3			TA78L05FF	MOS-IC	
R53,54			RK73GB2A154J	CHIP R 150K J 1/10W	K	IC4-6			NJM2904E-ZB	ANALOGUE IC	
R55-58			RK73GB2A104J	CHIP R 100K J 1/10W	K	IC7			S-8130AC	MOS-IC	
R59,60			RK73GB2A103J	CHIP R 10K J 1/10W		IC8			NJM2904E-ZB	ANALOGUE IC	
R61			RK73EB2E101J	CHIP R 100 J 1/4W		IC9			S24CS02AFJTBG	ROM IC	
R62			RK73GH2A563D	CHIP R 56K D 1/10W		IC10	1A		RA13H4452M101	MOS-IC	
R63			RK73GH2A333D	CHIP R 33K D 1/10W		IC11	1B		NJM7808FA-ZB	BI-POLAR IC	
R64			RK73GB2A474J	CHIP R 470K J 1/10W		IC12	1B		NJM7805FA-ZB	BI-POLAR IC	
R65			RK73GB2A473J	CHIP R 47K J 1/10W		IC15			NJM2904E-ZB	ANALOGUE IC	
R66			RK73GB2A100J	CHIP R 10 J 1/10W		IC701			NJM78L05UA-ZB	BI-POLAR IC	
R67			RS14DB3A121J	FL-PROOF RS 120 J 1W		IC702			LTC1046IS8	MOS-IC	
R68			RK73GB2A104J	CHIP R 100K J 1/10W		IC703			TK72130CS	BI-POLAR IC	
R69			RK73GB2A103J	CHIP R 10K J 1/10W		Q2			SSM3K15TE(F)	FET	
R70-72			RK73GB2A000J	CHIP R 0.0 J 1/10W		Q3			SSM3J01F	FET	
R75,76			RK73GB2A472J	CHIP R 4.7K J 1/10W		Q4			2SJ506-E(S)	FET	
R78			RK73GB2A104J	CHIP R 100K J 1/10W		Q5,6			SSM3K15TE(F)	FET	
R89			RK73GB2A000J	CHIP R 0.0 J 1/10W		Q8			SSM3K15TE(F)	FET	
R92			RK73GB2A104J	CHIP R 100K J 1/10W		Q14			SSM3K15TE(F)	FET	
R98			RK73FB2B000J	CHIP R 0.0 J 1/8W	K	CONTROL UNIT (X53-4130-11 for service)					
R102			RK73GH2A471D	CHIP R 470 D 1/10W		C1-5			CK73GB1H102K	CHIP C 1000PF	K
R104			RK73GB2A393J	CHIP R 39K J 1/10W		C6			CC73GCH1H101J	CHIP C 100PF	J
R105			RK73GB2A000J	CHIP R 0.0 J 1/10W		C7			CK73GB1H102K	CHIP C 1000PF	K
R106			RK73GB2A474J	CHIP R 470K J 1/10W		C8			CC73GCH1H101J	CHIP C 100PF	J
R107			RK73GB2A000J	CHIP R 0.0 J 1/10W		C9			CK73GB1H102K	CHIP C 1000PF	K
R110			RK73GB2A394J	CHIP R 390K J 1/10W		C10			CC73GCH1H101J	CHIP C 100PF	J
R121			RK73GH2A103D	CHIP R 10K D 1/10W		C12-16			CK73GB1H102K	CHIP C 1000PF	K
R123			RK73GB2A103J	CHIP R 10K J 1/10W		C18-28			CK73GB1H102K	CHIP C 1000PF	K
R124			RK73FB2B220J	CHIP R 22 J 1/8W	K	C29			CC73GCH1H101J	CHIP C 100PF	J
R124			RK73FB2B8R2J	CHIP R 8.2 J 1/8W	K2	C30-33			CK73GB1H102K	CHIP C 1000PF	K
R125			R92-1061-05	JUMPER REST 0 OHM		C34			CC73GCH1H101J	CHIP C 100PF	J
R133			RK73GB2A102J	CHIP R 1.0K J 1/10W		C35			CK73GB1H102K	CHIP C 1000PF	K
R136			RK73GB2A394J	CHIP R 390K J 1/10W		C36			CC73GCH1H101J	CHIP C 100PF	J
R137-140			RK73GB2A104J	CHIP R 100K J 1/10W		C37			CK73GB1H104K	CHIP C 0.10UF	K
R142			RK73GB2A000J	CHIP R 0.0 J 1/10W		C39-47			CK73GB1H102K	CHIP C 1000PF	K
R144			RK73GB2A000J	CHIP R 0.0 J 1/10W	K	C49			CC73GCH1H101J	CHIP C 100PF	J
R145			RK73GB2A000J	CHIP R 0.0 J 1/10W	K2	C50-53			CK73GB1H102K	CHIP C 1000PF	K
R900			RK73GB2A000J	CHIP R 0.0 J 1/10W		C54			CC73GCH1H101J	CHIP C 100PF	J
R901			RK73GB2A182J	CHIP R 1.8K J 1/10W		C55			CK73GB1H102K	CHIP C 1000PF	K
R902			RK73GB2A000J	CHIP R 0.0 J 1/10W		C56			CC73GCH1H101J	CHIP C 100PF	J
R903			RK73GB2A681J	CHIP R 680 J 1/10W		C57			CK73GB1H102K	CHIP C 1000PF	K
R905,906			RK73GB2A000J	CHIP R 0.0 J 1/10W		C58			CC73GCH1H101J	CHIP C 100PF	J
R907			RK73GH2A153D	CHIP R 15K D 1/10W		C60-62			CK73GB1H102K	CHIP C 1000PF	K
R909			RK73GB2A000J	CHIP R 0.0 J 1/10W		C63			CK73GB1H104K	CHIP C 0.10UF	K
R910			RK73GB2A182J	CHIP R 1.8K J 1/10W		C64			CK73GB1H102K	CHIP C 1000PF	K
R911,912			RK73GB2A000J	CHIP R 0.0 J 1/10W							
R914			RK73GB2A222J	CHIP R 2.2K J 1/10W							
VR1			R32-0744-05	SEMI FIXED VARIABLE RESISTOR (220)							

If a part reference number is listed in a shaded box, that part does not come with the PCB.

PARTS LIST

CONTROL UNIT (X53-4130-11)

Ref. No.	Address	New parts	Parts No.	Description	Destination	Ref. No.	Address	New parts	Parts No.	Description	Destination
C65			CK73FB0J106K	CHIP C 10UF K		C170			CK73GB1H102K	CHIP C 1000PF K	
C66			CK73GB1H102K	CHIP C 1000PF K		C172			CK73FB0J106K	CHIP C 10UF K	
C67			CK73FB0J106K	CHIP C 10UF K		C173			CC73GCH1H101J	CHIP C 100PF J	
C68			CK73GB1H102K	CHIP C 1000PF K		C174			CK73GB1H102K	CHIP C 1000PF K	
C69			CK73GB1H104K	CHIP C 0.10UF K		C175			CC73GCH1H391J	CHIP C 390PF J	
C70			CK73GB1H102K	CHIP C 1000PF K		C177			CC73GCH1H101J	CHIP C 100PF J	
C71			CK73FB0J106K	CHIP C 10UF K		C178			CK73FB0J106K	CHIP C 10UF K	
C72			CK73GB1E105K	CHIP C 1.0UF K		C188,189			CK73GB1H104K	CHIP C 0.10UF K	
C73			CC73GCH1H101J	CHIP C 100PF J		C190			CK73GB1E105K	CHIP C 1.0UF K	
C74			CK73GB1H104K	CHIP C 0.10UF K		C192,193			CK73GB1E105K	CHIP C 1.0UF K	
C75			CC73GCH1H101J	CHIP C 100PF J		C194			CC73GCH1H560J	CHIP C 56PF J	
C76			CK73GB1H102K	CHIP C 1000PF K		C195			CC73GCH1H181J	CHIP C 180PF J	
C77			C93-0912-05	CHIP C 100UF M		C196			CC73GCH1H101J	CHIP C 100PF J	
C78			CK73FB0J106K	CHIP C 10UF K		C197			CC73GCH1H330J	CHIP C 33PF J	
C79-82			CK73GB1H104K	CHIP C 0.10UF K		C199			C93-0912-05	CHIP C 100UF M	
C83-86			CK73FB0J106K	CHIP C 10UF K		C200			CK73FB0J106K	CHIP C 10UF K	
C87			C93-0912-05	CHIP C 100UF M		C202			CK73GB1E105K	CHIP C 1.0UF K	
C88			CK73GB1H103K	CHIP C 0.010UF K		C203			CC73GCH1H101J	CHIP C 100PF J	
C89,90			CC73GCH1H221J	CHIP C 220PF J		C204			CC73GCH1H121J	CHIP C 120PF J	
C92			CC73GCH1H100D	CHIP C 10PF D		C205			CK73GB1H182K	CHIP C 1800PF K	
C95			C93-0912-05	CHIP C 100UF M		C206			C93-0912-05	CHIP C 100UF M	
C96			CC73GCH1H101J	CHIP C 100PF J		C207			CK73GB1H102K	CHIP C 1000PF K	
C97			CK73GB1H104K	CHIP C 0.10UF K		C208			CK73FB0J106K	CHIP C 10UF K	
C98			CK73FB0J106K	CHIP C 10UF K		C209			CK73GB1H103K	CHIP C 0.010UF K	
C99			CK73GB1H102K	CHIP C 1000PF K		C212			CC73GCH1H120J	CHIP C 12PF J	
C102			CC73GCH1H150J	CHIP C 15PF J		C213			CK73GB1H103K	CHIP C 0.010UF K	
C103			CC73GCH1H101J	CHIP C 100PF J		C215			CK73GB1H104K	CHIP C 0.10UF K	
C104-106			CD04BD1H221M	ELECTRO 220UF 50WV		C216			CC73GCH1H100D	CHIP C 10PF D	
C107			CK73GB1H102K	CHIP C 1000PF K		C219			CC73GCH1H100D	CHIP C 10PF D	
C108			CK73GB1H104K	CHIP C 0.10UF K		C222			CC73GCH1H150J	CHIP C 15PF J	
C109			CK73GB1H102K	CHIP C 1000PF K		C223			CK73GB1H103K	CHIP C 0.010UF K	
C110			C93-0912-05	CHIP C 100UF M		C224			CK73GB1E105K	CHIP C 1.0UF K	
C111			CK73GB1H104K	CHIP C 0.10UF K		C225			CK73GB1H104K	CHIP C 0.10UF K	
C119			CC73GCH1H181J	CHIP C 180PF J		C226			CK73FB0J106K	CHIP C 10UF K	
C120			CK73GB1H102K	CHIP C 1000PF K		C227			CK73GB1H102K	CHIP C 1000PF K	
C121			CK73FB0J106K	CHIP C 10UF K		C229			CC73GCH1H101J	CHIP C 100PF J	
C122			CC73GCH1H101J	CHIP C 100PF J		C230			CK73GB1E105K	CHIP C 1.0UF K	
C123			CK73GB1H472K	CHIP C 4700PF K		C234,235			CK73GB1H104K	CHIP C 0.10UF K	
C125			CK73GB1H472K	CHIP C 4700PF K		C236			C90-4120-05	ELECTRO 470UF 35WV	
C127			CK73GB1H182K	CHIP C 1800PF K		C237			CK73GB1H104K	CHIP C 0.10UF K	
C128			CC73GCH1H101J	CHIP C 100PF J		C239			C92-0777-05	ELECTRO 1000UF 25WV	
C130			CD04BD1H221M	ELECTRO 220UF 50WV		C244			CK73GB1H104K	CHIP C 0.10UF K	
C131			CE32AU1C330M	CHIP EL 33UF 16WV		C245			CK73FB0J106K	CHIP C 10UF K	
C133			CD04BD1H221M	ELECTRO 220UF 50WV		C246,247			CK73GB1H102K	CHIP C 1000PF K	
C134			CK73GB1H104K	CHIP C 0.10UF K		C248,249			CK73GB1H104K	CHIP C 0.10UF K	
C137,138			CK73GB1H102K	CHIP C 1000PF K		C250			CK73FB0J106K	CHIP C 10UF K	
C139,140			CE32AU1C330M	CHIP EL 33UF 16WV		C251			CK73GB1H102K	CHIP C 1000PF K	
C141			CK73GB1H102K	CHIP C 1000PF K		C252			CK73FB0J106K	CHIP C 10UF K	
C144			CE32AU1C330M	CHIP EL 33UF 16WV		C253-255			CK73GB1H103K	CHIP C 0.010UF K	
C145			CK73GB1H182K	CHIP C 1800PF K		C256			CK73GB1H104K	CHIP C 0.10UF K	
C146			CK73GB1H104K	CHIP C 0.10UF K		C257			CK73FB0J106K	CHIP C 10UF K	
C152			CK73GB1H102K	CHIP C 1000PF K		C258			CK73GB1H103K	CHIP C 0.010UF K	
C155			CC73GCH1H181J	CHIP C 180PF J		C262			CK73FB0J106K	CHIP C 10UF K	
C157			CE32AU1C330M	CHIP EL 33UF 16WV		C263			CK73GB1H102K	CHIP C 1000PF K	
C159			CK73GB1H102K	CHIP C 1000PF K		C265			CK73GB1H104K	CHIP C 0.10UF K	
C161			CK73GB1H102K	CHIP C 1000PF K		C266-270			CK73GB1H103K	CHIP C 0.010UF K	
C162			CE32AU1C330M	CHIP EL 33UF 16WV		C271			CK73FB0J106K	CHIP C 10UF K	
C165			CK73GB1H102K	CHIP C 1000PF K		C272,273			CK73GB1H103K	CHIP C 0.010UF K	
C166			CE32AU1C330M	CHIP EL 33UF 16WV		C274			CK73GB1H472K	CHIP C 4700PF K	
C169			CK73FB0J106K	CHIP C 10UF K		C275			CC73GCH1H120J	CHIP C 12PF J	

PARTS LIST

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Ref. No.	Address	New parts	Parts No.	Description	Destination	Ref. No.	Address	New parts	Parts No.	Description	Destination
C276			CC73GCH1H100D	CHIP C 10PF D		C375,376			CK73GB1H102K	CHIP C 1000PF K	
C277			CK73GB1H103K	CHIP C 0.010UF K		C377			CC73GCH1H101J	CHIP C 100PF J	
C278			CK73FB0J106K	CHIP C 10UF K		C379,380			CK73GB1H102K	CHIP C 1000PF K	
C279			CK73GB1H103K	CHIP C 0.010UF K		C381			CC73GCH1H101J	CHIP C 100PF J	
C280			CC73GCH1H100D	CHIP C 10PF D		C382			CK73GB1H103K	CHIP C 0.010UF K	
C281			CC73GCH1H150J	CHIP C 15PF J		C383,384			CK73GB1H102K	CHIP C 1000PF K	
C282			CK73GB1H103K	CHIP C 0.010UF K		C385			CC73GCH1H101J	CHIP C 100PF J	
C283			CK73GB1H104K	CHIP C 0.10UF K		C386,387			CK73GB1H102K	CHIP C 1000PF K	
C284-288			CK73GB1H103K	CHIP C 0.010UF K		C388			CC73GCH1H101J	CHIP C 100PF J	
C289			CK73GB1H102K	CHIP C 1000PF K		C389,390			CK73GB1H102K	CHIP C 1000PF K	
C290-297			CK73GB1H103K	CHIP C 0.010UF K		C394			C92-0905-05	OS-CON 47UF 35WV	
C299,300			CK73GB1H103K	CHIP C 0.010UF K		C395			CK73GB1H103K	CHIP C 0.010UF K	
C302			CK73GB1H103K	CHIP C 0.010UF K		C396-399			CK73GB1H102K	CHIP C 1000PF K	
C304			CC73GCH1H101J	CHIP C 100PF J		C400,401			CE32AU1C330M	CHIP EL 33UF 16WV	
C305,306			CK73GB1H102K	CHIP C 1000PF K		C403			CK73GB1E105K	CHIP C 1.0UF K	
C307-310			CC73GCH1H101J	CHIP C 100PF J		C404			CK73FB0J106K	CHIP C 10UF K	
C311,312			CK73GB1H102K	CHIP C 1000PF K		C405,406			CC73GCH1H101J	CHIP C 100PF J	
C313			CC73GCH1H101J	CHIP C 100PF J		C407			CK73GB1H102K	CHIP C 1000PF K	
C314			CK73GB1H102K	CHIP C 1000PF K		C408-410			CK73GB1E105K	CHIP C 1.0UF K	
C315			CC73GCH1H101J	CHIP C 100PF J		C413			CK73GB1H104K	CHIP C 0.10UF K	
C316			CK73GB1H102K	CHIP C 1000PF K		C414			CK73GB1H103K	CHIP C 0.010UF K	
C317			CK73GB1H103K	CHIP C 0.010UF K		C415			CK73GB1H104K	CHIP C 0.10UF K	
C318			CC73GCH1H101J	CHIP C 100PF J		C416			CK73GB1H103K	CHIP C 0.010UF K	
C319			CK73GB1H102K	CHIP C 1000PF K		C417			CK73GB1E105K	CHIP C 1.0UF K	
C320			CK73GB1H103K	CHIP C 0.010UF K		C418-420			CK73GB1H102K	CHIP C 1000PF K	
C321			CC73GCH1H101J	CHIP C 100PF J		C421			CC73GCH1H101J	CHIP C 100PF J	
C322,323			CK73GB1H102K	CHIP C 1000PF K		C422-424			CK73GB1H102K	CHIP C 1000PF K	
C324			CK73GB1H103K	CHIP C 0.010UF K		C425,426			CC73GCH1H101J	CHIP C 100PF J	
C325			CC73GCH1H101J	CHIP C 100PF J		C427-435			CK73GB1H102K	CHIP C 1000PF K	
C326,327			CK73GB1H102K	CHIP C 1000PF K		C436			CK73GB1E105K	CHIP C 1.0UF K	
C328			CK73GB1H103K	CHIP C 0.010UF K		C437,438			CC73GCH1H101J	CHIP C 100PF J	
C329-331			CK73GB1H102K	CHIP C 1000PF K		C440			CK73GB1H102K	CHIP C 1000PF K	
C332			CK73GB1H103K	CHIP C 0.010UF K		C442			CC73GCH1H101J	CHIP C 100PF J	
C333-339			CK73GB1H102K	CHIP C 1000PF K		C444			CK73GB1H102K	CHIP C 1000PF K	
C340			CK73GB1H103K	CHIP C 0.010UF K		C445			CK73GB1H104K	CHIP C 0.10UF K	
C342,343			CK73GB1H102K	CHIP C 1000PF K		C446			CC73GCH1H391J	CHIP C 390PF J	
C344			CK73GB1H103K	CHIP C 0.010UF K		C447			CC73GCH1H101J	CHIP C 100PF J	
C345			CK73GB1H104K	CHIP C 0.10UF K		C448,449			CK73GB1H102K	CHIP C 1000PF K	
C346,347			CK73GB1H102K	CHIP C 1000PF K		C450			CC73GCH1H101J	CHIP C 100PF J	
C348			CK73GB1H103K	CHIP C 0.010UF K		C452,453			CK73GB1H102K	CHIP C 1000PF K	
C350			CK73GB1H102K	CHIP C 1000PF K		C456,457			CK73GB1H102K	CHIP C 1000PF K	
C351			CK73GB1H103K	CHIP C 0.010UF K		C463			CK73GB1H104K	CHIP C 0.10UF K	
C352,353			CK73GB1H102K	CHIP C 1000PF K		C467,468			CK73GB1H102K	CHIP C 1000PF K	
C354			CK73GB1H103K	CHIP C 0.010UF K		C469,470			CC73GCH1H101J	CHIP C 100PF J	
C355			CC73GCH1H101J	CHIP C 100PF J		C471			CK73GB1H102K	CHIP C 1000PF K	
C356			CK73GB1H102K	CHIP C 1000PF K		C473-475			CK73GB1H102K	CHIP C 1000PF K	
C357			CK73GB1H103K	CHIP C 0.010UF K		C477			CK73GB1E105K	CHIP C 1.0UF K	
C358			CK73GB1H102K	CHIP C 1000PF K		C499			C92-0905-05	OS-CON 47UF 35WV	
C359			CC73GCH1H101J	CHIP C 100PF J		C500			CK73GB1H104K	CHIP C 0.10UF K	
C360			CK73GB1H102K	CHIP C 1000PF K		C510			CK73FB0J106K	CHIP C 10UF K	
C361			CK73GB1H103K	CHIP C 0.010UF K		CN1-3			E40-6656-05	PIN ASSY	
C362			CK73GB1H102K	CHIP C 1000PF K		CN4			E41-2673-05	PIN ASSY	
C363			CC73GCH1H101J	CHIP C 100PF J		CN56,57			E40-6656-05	PIN ASSY	
C364			CK73GB1H102K	CHIP C 1000PF K		CN58			E40-5960-05	PIN ASSY	
C365			CK73GB1H103K	CHIP C 0.010UF K		CN59			E40-6102-05	PIN ASSY	
C366-368			CK73GB1H102K	CHIP C 1000PF K		CN60			E41-2735-05	PIN ASSY	
C369			CK73GB1H103K	CHIP C 0.010UF K		F1,2			F53-0315-05	FUSE	
C370-372			CK73GB1H102K	CHIP C 1000PF K		L3-14			L92-0447-05	BEADS CORE	
C373			CC73GCH1H101J	CHIP C 100PF J							
C374			CK73GB1H103K	CHIP C 0.010UF K							

PARTS LIST

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Ref. No.	Address	New parts	Parts No.	Description	Destination	Ref. No.	Address	New parts	Parts No.	Description	Destination
L15			L33-1476-05	SMALL FIXED INDUCTOR		R114			RK73GB2A223J	CHIP R 22K J 1/10W	
L16			L33-1475-05	SMALL FIXED INDUCTOR		R115			RK73GB2A154J	CHIP R 150K J 1/10W	
L17,18			L92-0447-05	BEADS CORE		R116			RK73GB2A223J	CHIP R 22K J 1/10W	
L19			L33-1475-05	SMALL FIXED INDUCTOR		R127			RK73GB2A473J	CHIP R 47K J 1/10W	
L20-22			L92-0447-05	BEADS CORE		R128-130			RK73GB2A000J	CHIP R 0.0 J 1/10W	
L32-40			L92-0447-05	BEADS CORE		R131-133			RK73GB2A473J	CHIP R 47K J 1/10W	
L43			L92-0447-05	BEADS CORE		R135			RK73GB2A000J	CHIP R 0.0 J 1/10W	
L44-49			L92-0467-05	CHIP FERRITE		R137			RK73GB2A102J	CHIP R 1.0K J 1/10W	
X1			L77-1984-05	CRYSTAL RESONATOR (14.7456MHZ)		R138			RK73GB2A473J	CHIP R 47K J 1/10W	
X2			L77-1987-05	CRYSTAL RESONATOR (16.515072MHZ)		R141-144			RK73GB2A000J	CHIP R 0.0 J 1/10W	
CP8			RK75GB1JR00	CHIP-COM 0.00 1/16W		R145			RK73GB2A104J	CHIP R 100K J 1/10W	
CP10			RK75GB1JR00	CHIP-COM 0.00 1/16W		R146-148			RK73GB2A000J	CHIP R 0.0 J 1/10W	
CP13			RK75GB1JR00	CHIP-COM 0.00 1/16W		R149			RK73GB2A333J	CHIP R 33K J 1/10W	
CP19			RK75GB1JR00	CHIP-COM 0.00 1/16W		R150			RK73GB2A563J	CHIP R 56K J 1/10W	
CP24-26			RK75GB1JR00	CHIP-COM 0.00 1/16W		R151			RK73GB2A124J	CHIP R 120K J 1/10W	
R1,2			RK73GB2A000J	CHIP R 0.0 J 1/10W		R152			RK73GB2A104J	CHIP R 100K J 1/10W	
R4			RK73GB2A000J	CHIP R 0.0 J 1/10W		R153			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R6			RK73GB2A101J	CHIP R 100 J 1/10W		R154,155			RK73GB2A333J	CHIP R 33K J 1/10W	
R7-17			RK73GB2A000J	CHIP R 0.0 J 1/10W		R156,157			RK73GH2A104D	CHIP R 100K D 1/10W	
R18,19			RK73GB2A101J	CHIP R 100 J 1/10W		R158			RK73GB2A333J	CHIP R 33K J 1/10W	
R21-45			RK73GB2A000J	CHIP R 0.0 J 1/10W		R159			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R47-49			RK73GB2A000J	CHIP R 0.0 J 1/10W		R160,161			RK73GB2A563J	CHIP R 56K J 1/10W	
R51-61			RK73GB2A000J	CHIP R 0.0 J 1/10W		R162			RK73GB2A224J	CHIP R 220K J 1/10W	
R62			RK73GB2A101J	CHIP R 100 J 1/10W		R163			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R63,64			RK73GB2A332J	CHIP R 3.3K J 1/10W		R165			RK73GB2A104J	CHIP R 100K J 1/10W	
R65			RK73GB2A183J	CHIP R 18K J 1/10W		R166			RK73GB2A333J	CHIP R 33K J 1/10W	
R66			RK73GB2A823J	CHIP R 82K J 1/10W		R167			RK73GB2A473J	CHIP R 47K J 1/10W	
R67			RK73GH2A822D	CHIP R 8.2K D 1/10W		R168			RK73GB2A563J	CHIP R 56K J 1/10W	
R68			RK73GH2A332D	CHIP R 3.3K D 1/10W		R169			RK73GB2A333J	CHIP R 33K J 1/10W	
R69,70			RK73GB2A000J	CHIP R 0.0 J 1/10W		R171			RK73GB2A183J	CHIP R 18K J 1/10W	
R71			RK73GH2A473D	CHIP R 47K D 1/10W		R172,173			RK73GB2A473J	CHIP R 47K J 1/10W	
R72-76			RK73GB2A000J	CHIP R 0.0 J 1/10W		R174			RK73GB2A683J	CHIP R 68K J 1/10W	
R77			RK73GH2A104D	CHIP R 100K D 1/10W		R175			RK73GB2A393J	CHIP R 39K J 1/10W	
R78			RK73GB2A104J	CHIP R 100K J 1/10W		R176			RK73GB2A473J	CHIP R 47K J 1/10W	
R79			RK73GH2A332D	CHIP R 3.3K D 1/10W		R177,178			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R80			RK73GB2A123J	CHIP R 12K J 1/10W		R179			RK73GB2A473J	CHIP R 47K J 1/10W	
R81,82			RK73GB2A563J	CHIP R 56K J 1/10W		R181,182			RK73GB2A103J	CHIP R 10K J 1/10W	
R83			RK73GB2A124J	CHIP R 120K J 1/10W		R183			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R84			RK73GB2A473J	CHIP R 47K J 1/10W		R184			RK73GB2A473J	CHIP R 47K J 1/10W	
R85			RK73GB2A000J	CHIP R 0.0 J 1/10W		R188			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R86			RK73GB2A473J	CHIP R 47K J 1/10W		R191			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R87			RK73GB2A223J	CHIP R 22K J 1/10W		R193			RK73GB2A103J	CHIP R 10K J 1/10W	
R88			RK73GB2A000J	CHIP R 0.0 J 1/10W		R194			RK73GB2A473J	CHIP R 47K J 1/10W	
R89			RK73GB2A103J	CHIP R 10K J 1/10W		R195,196			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R90			RK73GB2A153J	CHIP R 15K J 1/10W		R197			RK73GB2A103J	CHIP R 10K J 1/10W	
R91			RK73GB2A472J	CHIP R 4.7K J 1/10W		R198			RK73GB2A473J	CHIP R 47K J 1/10W	
R92			RK73GB2A562J	CHIP R 5.6K J 1/10W		R199			RK73GB2A103J	CHIP R 10K J 1/10W	
R93,94			RK73GB2A000J	CHIP R 0.0 J 1/10W		R200,201			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R95			RK73GB2A470J	CHIP R 47 J 1/10W		R202			RK73GB2A473J	CHIP R 47K J 1/10W	
R96			RK73GB2A223J	CHIP R 22K J 1/10W		R203			RK73GB2A104J	CHIP R 100K J 1/10W	
R98			RK73GB2A103J	CHIP R 10K J 1/10W		R204			RK73GB2A473J	CHIP R 47K J 1/10W	
R100			RK73GB2A473J	CHIP R 47K J 1/10W		R205			RK73GB2A104J	CHIP R 100K J 1/10W	
R101			RK73GB2A000J	CHIP R 0.0 J 1/10W		R206			RK73GB2A122J	CHIP R 1.2K J 1/10W	
R102			RK73GB2A123J	CHIP R 12K J 1/10W		R207,208			RK73GB2A473J	CHIP R 47K J 1/10W	
R103-105			RK73GB2A473J	CHIP R 47K J 1/10W		R210			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R106-108			RK73GB2A000J	CHIP R 0.0 J 1/10W		R211,212			RK73GB2A473J	CHIP R 47K J 1/10W	
R109			RK73GB2A153J	CHIP R 15K J 1/10W		R215			RK73GB2A473J	CHIP R 47K J 1/10W	
R111			RK73GB2A823J	CHIP R 82K J 1/10W		R216,217			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R112			RK73GB2A123J	CHIP R 12K J 1/10W		R218,219			RK73GB2A473J	CHIP R 47K J 1/10W	
R113			RK73GB2A823J	CHIP R 82K J 1/10W		R220,221			RK73GB2A000J	CHIP R 0.0 J 1/10W	

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Ref. No.	Address	New parts	Parts No.	Description	Destination	Ref. No.	Address	New parts	Parts No.	Description	Destination
R222			RK73GB2A473J	CHIP R 47K J 1/10W		R467,468			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R230,231			RK73GB2A473J	CHIP R 47K J 1/10W		R469			RK73GB2A103J	CHIP R 10K J 1/10W	
R232			RK73GB2A102J	CHIP R 1.0K J 1/10W		R470			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R233			RK73GB2A000J	CHIP R 0.0 J 1/10W		R471-473			RK73GB2A104J	CHIP R 100K J 1/10W	
R234,235			RK73GB2A473J	CHIP R 47K J 1/10W		R474			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R237			RK73GB2A473J	CHIP R 47K J 1/10W		R475			RK73GB2A104J	CHIP R 100K J 1/10W	
R240-243			RK73GB2A473J	CHIP R 47K J 1/10W		R477			RK73GB2A104J	CHIP R 100K J 1/10W	
R245,246			RK73GB2A472J	CHIP R 4.7K J 1/10W		R478			RK73GB2A103J	CHIP R 10K J 1/10W	
R247			RK73GB2A473J	CHIP R 47K J 1/10W		R479			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R249,250			RK73GB2A000J	CHIP R 0.0 J 1/10W		R482			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R251			RK73GB2A473J	CHIP R 47K J 1/10W		R484			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R254			RK73GB2A473J	CHIP R 47K J 1/10W		R491-495			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R261,262			RK73GB2A473J	CHIP R 47K J 1/10W		R501			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R267-271			RK73GB2A473J	CHIP R 47K J 1/10W		R502			RK73GB2A183J	CHIP R 18K J 1/10W	
R273			RK73GB2A473J	CHIP R 47K J 1/10W		R507-510			RK73GB2A183J	CHIP R 18K J 1/10W	
R275			RK73GB2A473J	CHIP R 47K J 1/10W		R511-515			RK73GB2A123J	CHIP R 12K J 1/10W	
R277			RK73GB2A473J	CHIP R 47K J 1/10W		R522,523			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R279			RK73GB2A103J	CHIP R 10K J 1/10W		R524,525			RK73GB2A473J	CHIP R 47K J 1/10W	
R281			RK73GB2A103J	CHIP R 10K J 1/10W		R526,527			RK73GB2A121J	CHIP R 120 J 1/10W	
R283			RK73GB2A000J	CHIP R 0.0 J 1/10W		R528-535			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R286-288			RK73GB2A000J	CHIP R 0.0 J 1/10W		R536			RK73GB2A104J	CHIP R 100K J 1/10W	
R289			RK73GB2A473J	CHIP R 47K J 1/10W		R540			RK73GB2A222J	CHIP R 2.2K J 1/10W	
R290			RK73GB2A000J	CHIP R 0.0 J 1/10W		R541			RK73GB2A123J	CHIP R 12K J 1/10W	
R292-294			RK73GB2A000J	CHIP R 0.0 J 1/10W		R551			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R296,297			RK73GB2A473J	CHIP R 47K J 1/10W		D1,2			CMS05-Q	DIODE	
R299,300			RK73GB2A103J	CHIP R 10K J 1/10W		D3,4			DA204U	DIODE	
R301,302			RK73GB2A104J	CHIP R 100K J 1/10W		D5			1SS355	DIODE	
R303-315			RK73GB2A473J	CHIP R 47K J 1/10W		D6	*		02DZ18F-X	ZENER DIODE	
R316-338			RK73GB2A000J	CHIP R 0.0 J 1/10W		D7-11			DA204U	DIODE	
R340			RK73GB2A102J	CHIP R 1.0K J 1/10W		D12			1SS355	DIODE	
R342-351			RK73GB2A102J	CHIP R 1.0K J 1/10W		D13	*		02DZ18F-X	ZENER DIODE	
R352			RK73GB2A471J	CHIP R 470 J 1/10W		D14-18			DA204U	DIODE	
R353-357			RK73GB2A102J	CHIP R 1.0K J 1/10W		D20			DA204U	DIODE	
R358			RK73GB2A122J	CHIP R 1.2K J 1/10W		D23			DA204U	DIODE	
R359			RK73GB2A000J	CHIP R 0.0 J 1/10W		D24			SMD185F-2	VARISTOR	
R360			RK73GB2A122J	CHIP R 1.2K J 1/10W		D25			MINISMDC020F	VARISTOR	
R361-377			RK73GB2A000J	CHIP R 0.0 J 1/10W		D26			1SS388F	DIODE	
R378,379			RK73GB2A122J	CHIP R 1.2K J 1/10W		D28			1SS355	DIODE	
R380			RK73GB2A000J	CHIP R 0.0 J 1/10W		D29	*		02DZ18F-X	ZENER DIODE	
R389-396			RK73GB2A000J	CHIP R 0.0 J 1/10W		D30			1SS355	DIODE	
R398-409			RK73GB2A000J	CHIP R 0.0 J 1/10W		D31	*		02DZ18F-X	ZENER DIODE	
R410			RK73GB2A684J	CHIP R 680K J 1/10W		D32			1SS355	DIODE	
R411			RK73GB2A224J	CHIP R 220K J 1/10W		D33	*		02DZ18F-X	ZENER DIODE	
R412			RK73GB2A103J	CHIP R 10K J 1/10W		D36,37			DA204U	DIODE	
R413			RK73GB2A104J	CHIP R 100K J 1/10W		D38,39			1SS388F	DIODE	
R414			RK73GB2A000J	CHIP R 0.0 J 1/10W		IC1			BU4094BCFV	MOS-IC	
R415-418			RK73GB2A104J	CHIP R 100K J 1/10W		IC2,3			BU4053BCFV	MOS-IC	
R419,420			RK73GB2A000J	CHIP R 0.0 J 1/10W		IC4			AK4550VTP	MOS-IC	
R426			RS14KB3D220J	FL-PROOF RS 22 J 2W		IC5			NJM2732V	BI-POLAR IC	
R428-430			RK73GB2A000J	CHIP R 0.0 J 1/10W		IC6			XC6209B332PR	MOS-IC	
R432			RK73GB2A470J	CHIP R 47 J 1/10W		IC7			TA75S01F-F	MOS-IC	
R433			RK73GB2A473J	CHIP R 47K J 1/10W		IC8			M62364FP-F	MOS-IC	
R434			RK73GB2A470J	CHIP R 47 J 1/10W		IC9	*		NJM2734V	BI-POLAR IC	
R435			RK73GB2A473J	CHIP R 47K J 1/10W		IC10,11			NJM2340RB1	MOS-IC	
R436-446			RK73GB2A000J	CHIP R 0.0 J 1/10W		IC12			NJM2732V	BI-POLAR IC	
R448-454			RK73GB2A000J	CHIP R 0.0 J 1/10W		IC14			BU4053BCFV	MOS-IC	
R455			RK73GB2A104J	CHIP R 100K J 1/10W		IC15			BA33BC0FP	MOS-IC	
R457			RK73GB2A473J	CHIP R 47K J 1/10W		IC16			XC6209B502PR	MOS-IC	
R458,459			RK73GB2A104J	CHIP R 100K J 1/10W		IC17	*		Note 1 (BGA)	ROM IC	
R460,461			RK73GB2A103J	CHIP R 10K J 1/10W							

Note 1 : This part cannot be replaced. Therefore, this part is not supplied as a service part.

PARTS LIST

CONTROL UNIT (X53-4130-11)

CONTROL UNIT (X53-4140-11)

Ref. No.	Address	New parts	Parts No.	Description	Desti- nation	Ref. No.	Address	New parts	Parts No.	Description	Desti- nation	
IC18	2C	*	XC6201P182MR	MOS-IC		C337			CK73HB1H102K	CHIP C	1000PF	K
IC19			NJM2732V	BI-POLAR IC		C339			CC73HCH1H101J	CHIP C	100PF	J
IC20,21			NJM2734V	BI-POLAR IC		C341,342			CK73HB1H102K	CHIP C	1000PF	K
IC22			BU4094BCFV	MOS-IC		C343			CC73HCH1H101J	CHIP C	100PF	J
IC23			TC7SH00FU-F	MOS-IC		C344			CK73HB1H102K	CHIP C	1000PF	K
IC25			TC7S66FUF	MOS-IC		C345			CC73HCH1H101J	CHIP C	100PF	J
IC27			TC7SET126FU-F	MOS-IC		C346-348			CK73HB1H102K	CHIP C	1000PF	K
IC28			TC7SH126FU-F	MOS-IC		C349			CC73HCH1H101J	CHIP C	100PF	J
IC29			LA4425A	MOS-IC		C350			CK73HB1H102K	CHIP C	1000PF	K
IC30			TC7SH00FU-F	MOS-IC		C352			CK73HB1H102K	CHIP C	1000PF	K
IC31			TC7MH4040FK-F	MOS-IC		C353			CC73HCH1H101J	CHIP C	100PF	J
IC32,33			TC7SH126FU-F	MOS-IC		C354			CK73HB1H102K	CHIP C	1000PF	K
IC34			3625MGP396GP	MICRO CONTOROL UNIT		C355			CK73HB1E103K	CHIP C	0.010UF	K
IC35			S24CS02AFJTBG	ROM IC		C356			CC73HCH1H101J	CHIP C	100PF	J
IC36			TC7MET541AFK	MOS-IC		C357,358			CK73HB1H102K	CHIP C	1000PF	K
IC37			320VC5402PGE	MICRO CONTOROL UNIT		C359,360			CK73HB1A104K	CHIP C	0.10UF	K
IC38			TC7SET08FU-F	MOS-IC		C361			CK73HB1H102K	CHIP C	1000PF	K
IC39			TC7SH125FU-F	MOS-IC		C362			CK73HB1E103K	CHIP C	0.010UF	K
IC40			TC7SH126FU-F	MOS-IC		C364-366			CK73HB1H102K	CHIP C	1000PF	K
IC41			TC7SH08FU-F	MOS-IC		C369,370			CK73HB1H102K	CHIP C	1000PF	K
IC50		*	TC7SH08FU-F	MOS-IC		C371			CK73HB1A104K	CHIP C	0.10UF	K
Q1			DTC114EUA	DIGITAL TRANSISTOR		C373,374			CK73HB1H102K	CHIP C	1000PF	K
Q2,3			2SJ506-E(S)	FET		C376-378			CK73HB1H102K	CHIP C	1000PF	K
Q4,5			2SC4738F	TRANSISTOR		C379			CK73HB1A104K	CHIP C	0.10UF	K
Q6			DTC363EU	DIGITAL TRANSISTOR		C380,381			CK73HB1H102K	CHIP C	1000PF	K
Q7,8		*	DTC114EUA	DIGITAL TRANSISTOR		C383-386			CK73HB1H102K	CHIP C	1000PF	K
Q9			2SJ506-E(S)	FET		C387			CK73GB1H103K	CHIP C	0.010UF	K
Q10			2SC4738F	TRANSISTOR		C388-390			CK73HB1H102K	CHIP C	1000PF	K
Q11			2SD2114K(W)	TRANSISTOR		C391			CK73GB1E105K	CHIP C	1.0UF	K
Q12			2SC4738F	TRANSISTOR		C393-395			CK73HB1H102K	CHIP C	1000PF	K
Q13			2SD2114K(W)	TRANSISTOR		C396			CK73GB1H103K	CHIP C	0.010UF	K
Q14			2SC4116(Y)F	TRANSISTOR		C397,398			CK73HB1H102K	CHIP C	1000PF	K
Q15			2SA1586(Y)F	TRANSISTOR		C399			CK73GB1H104K	CHIP C	0.10UF	K
Q16			2SC4116(Y)F	TRANSISTOR		C401			CC73HCH1H101J	CHIP C	100PF	J
Q17			2SA1586(Y)F	TRANSISTOR		C402			CK73HB1H102K	CHIP C	1000PF	K
Q18			2SK1830F	FET		C403			CC73HCH1H101J	CHIP C	100PF	J
Q19			HN1L02FU(F)	FET		C405,406			CK73HB1H102K	CHIP C	1000PF	K
Q20			2SA1955A-F	TRANSISTOR		C409			CK73HB1H102K	CHIP C	1000PF	K
Q21			DTC144EUA	DIGITAL TRANSISTOR		C410			CC73HCH1H101J	CHIP C	100PF	J
Q22			2SA1955A-F	TRANSISTOR		C412-415			CK73HB1H102K	CHIP C	1000PF	K
Q23			DTC144EUA	DIGITAL TRANSISTOR		C416			CC73HCH1H101J	CHIP C	100PF	J
Q25,26			DTC144EUA	DIGITAL TRANSISTOR		C417,418			CE32AU1C330M	CHIP EL	33UF	16WV
Q27-29			2SD2114K(W)	TRANSISTOR		C419			CC73HCH1H101J	CHIP C	100PF	J
CONTROL UNIT (X53-4140-11 for service)						C420			CK73HB1A104K	CHIP C	0.10UF	K
C302			CC73HCH1H101J	CHIP C	100PF	J			CE32AU1C330M	CHIP EL	33UF	16WV
C303			CK73HB1H102K	CHIP C	1000PF	K			CC73HCH1H101J	CHIP C	100PF	J
C305			CK73HB1A104K	CHIP C	0.10UF	K			CK73HB1H102K	CHIP C	1000PF	K
C306			CK73HB1H102K	CHIP C	1000PF	K	C426-430		CK73HB1H102K	CHIP C	1000PF	K
C308,309			CK73HB1H102K	CHIP C	1000PF	K			CC73HCH1H101J	CHIP C	100PF	J
C311			CK73HB1A104K	CHIP C	0.10UF	K			CK73HB1H102K	CHIP C	1000PF	K
C312-317			CK73HB1H102K	CHIP C	1000PF	K	C435-437		CK73HB1H102K	CHIP C	1000PF	K
C320			CC73HCH1H101J	CHIP C	100PF	J			CK73GB1H103K	CHIP C	0.010UF	K
C322,323			CK73HB1H102K	CHIP C	1000PF	K			CE32AU1C330M	CHIP EL	33UF	16WV
C324			CC73HCH1H101J	CHIP C	100PF	J	C440-442		CK73HB1H102K	CHIP C	1000PF	K
C326-329			CK73HB1H102K	CHIP C	1000PF	K			CE32AU1C330M	CHIP EL	33UF	16WV
C331			CK73HB1H102K	CHIP C	1000PF	K			CK73HB1A104K	CHIP C	0.10UF	K
C333-335			CK73HB1H102K	CHIP C	1000PF	K	C445		CK73FB1H102K	CHIP C	1000PF	K
									CK73HB1A104K	CHIP C	0.10UF	K
							C447		CE32AU1C330M	CHIP EL	33UF	16WV
							C448					

PARTS LIST

CONTROL UNIT (X53-4140-11)

Ref. No.	Address	New parts	Parts No.	Description	Destination	Ref. No.	Address	New parts	Parts No.	Description	Destination
C449,450			CK73HB1A104K	CHIP C 0.10UF K		C572			CE32BM1E470M	CHIP EL 47UF 25WV	
C453			CK73GB1H103K	CHIP C 0.010UF K		C574			CK73HB1H102K	CHIP C 1000PF K	
C461			CK73GB1H103K	CHIP C 0.010UF K		C575-588			CK73HB1E103K	CHIP C 0.010UF K	
C462			CK73HB1E103K	CHIP C 0.010UF K		C590-601			CK73HB1E103K	CHIP C 0.010UF K	
C463			CC73HCH1H100D	CHIP C 10PF D		C700			CK73HB1E103K	CHIP C 0.010UF K	
C465			CK73GB1H103K	CHIP C 0.010UF K		C701			CK73HB1A104K	CHIP C 0.10UF K	
C466			CK73GB1H104K	CHIP C 0.10UF K		C702			CK73HB1H102K	CHIP C 1000PF K	
C467			CK73GB1H103K	CHIP C 0.010UF K		C703			CC73HCH1H150J	CHIP C 15PF J	
C468			CK73GB1H104K	CHIP C 0.10UF K		C704,705			CK73FB0J106K	CHIP C 10UF K	
C469			CC73GCH1H121J	CHIP C 120PF J		C706			CK73HB1H102K	CHIP C 1000PF K	
C471			CK73HB1H102K	CHIP C 1000PF K		C707			CC73HCH1H070D	CHIP C 7.0PF D	
C474			CK73HB1H392K	CHIP C 3900PF K		C708			CK73HB1A104K	CHIP C 0.10UF K	
C475			CK73FB0J106K	CHIP C 10UF K		C709			CK73FB0J106K	CHIP C 10UF K	
C476			CK73HB1A104K	CHIP C 0.10UF K		C710			CK73HB1E103K	CHIP C 0.010UF K	
C477			CC73GCH1H121J	CHIP C 120PF J		C711			CK73FB0J106K	CHIP C 10UF K	
C478			CK73HB1H102K	CHIP C 1000PF K		C712			CK73HB1H102K	CHIP C 1000PF K	
C479			CC73GCH1H121J	CHIP C 120PF J		C713			CK73HB1A104K	CHIP C 0.10UF K	
C480			CK73FB0J106K	CHIP C 10UF K		C714			CK73FB0J106K	CHIP C 10UF K	
C482			CK73HB1A104K	CHIP C 0.10UF K		C715			CK73HB1A104K	CHIP C 0.10UF K	
C484			CS77BA1C010M	CHIP TNTL 1.0UF 16WV		C716			CK73HB1H102K	CHIP C 1000PF K	
C485			CK73GB1H103K	CHIP C 0.010UF K		C717			CK73HB1A104K	CHIP C 0.10UF K	
C486			CC73GCH1H121J	CHIP C 120PF J		C718			CC73HCH1H070D	CHIP C 7.0PF D	
C487			CK73HB1H102K	CHIP C 1000PF K		C719			CK73FB0J106K	CHIP C 10UF K	
C491			CK73FB0J106K	CHIP C 10UF K		C720			CK73HB1A104K	CHIP C 0.10UF K	
C493,494			CK73HB1A104K	CHIP C 0.10UF K		C721			CC73HCH1H100D	CHIP C 10PF D	
C495			CK73GB1E105K	CHIP C 1.0UF K		C722,723			CK73HB1H102K	CHIP C 1000PF K	
C496			CK73HB1C822K	CHIP C 8200PF K		C724			CK73HB1A104K	CHIP C 0.10UF K	
C501			CK73HB1A104K	CHIP C 0.10UF K		C725			CK73HB1H102K	CHIP C 1000PF K	
C504			CK73HB1A104K	CHIP C 0.10UF K		C726			CK73FB0J106K	CHIP C 10UF K	
C506			CK73HB1H472K	CHIP C 4700PF K		C727			CC73HCH1H020B	CHIP C 2.0PF B	
C507			CK73HB1E103K	CHIP C 0.010UF K		C728			CK73HB1E103K	CHIP C 0.010UF K	
C508			CK73HB1A104K	CHIP C 0.10UF K		C729			CC73HCH1H020B	CHIP C 2.0PF B	
C509			CK73GB1E105K	CHIP C 1.0UF K		C730			CK73HB1A104K	CHIP C 0.10UF K	
C515			CK73GB1E105K	CHIP C 1.0UF K		C732			CK73HB1H102K	CHIP C 1000PF K	
C516			CK73HB1H102K	CHIP C 1000PF K		C733-741			CK73HB1A104K	CHIP C 0.10UF K	
C517			CK73HB1A104K	CHIP C 0.10UF K		C742			CK73FB0J106K	CHIP C 10UF K	
C519			CK73HB1C473K	CHIP C 0.047UF K		C743,744			CK73HB1A104K	CHIP C 0.10UF K	
C520			CK73GB1E105K	CHIP C 1.0UF K		C746-750			CK73GB1E105K	CHIP C 1.0UF K	
C521			CK73HB1E103K	CHIP C 0.010UF K		C751			CK73HB1E103K	CHIP C 0.010UF K	
C522-525			CK73HB1A104K	CHIP C 0.10UF K		C754-758			CK73HB1A104K	CHIP C 0.10UF K	
C526-529			CK73FB0J106K	CHIP C 10UF K		C767,768			CK73HB1H102K	CHIP C 1000PF K	
C531			CK73HB1H102K	CHIP C 1000PF K		C769			CK73FB0J106K	CHIP C 10UF K	
C532			CK73HB1A104K	CHIP C 0.10UF K		C770-773			CK73HB1A104K	CHIP C 0.10UF K	
C533-536			CK73HB1H102K	CHIP C 1000PF K		C775			CK73HB1H102K	CHIP C 1000PF K	
C537			CK73FB0J106K	CHIP C 10UF K		C776-780			CK73HB1E103K	CHIP C 0.010UF K	
C538,539			CK73HB1H102K	CHIP C 1000PF K		C781			CK73HB1A104K	CHIP C 0.10UF K	
C543			CK73FB0J106K	CHIP C 10UF K		C782			CC73HCH1H120G	CHIP C 12PF G	
C544-546			CK73HB1H102K	CHIP C 1000PF K		C783			CC73HCH1H100D	CHIP C 10PF D	
C547			CK73FB0J106K	CHIP C 10UF K		C784,785			CK73HB1A104K	CHIP C 0.10UF K	
C548			CK73HB1E103K	CHIP C 0.010UF K		C786			CC73HCH1H150J	CHIP C 15PF J	
C549			CC73HCH1H120G	CHIP C 12PF G		C787			CC73HCH1H100D	CHIP C 10PF D	
C550,551			CC73HCH1H100D	CHIP C 10PF D		C788			CK73FB0J106K	CHIP C 10UF K	
C552			CC73HCH1H150J	CHIP C 15PF J		C789-793			CK73HB1A104K	CHIP C 0.10UF K	
C553			CK73HB1E103K	CHIP C 0.010UF K		C794			CK73FB0J106K	CHIP C 10UF K	
C557			CK73HB1H102K	CHIP C 1000PF K		C795			CK73HB1A104K	CHIP C 0.10UF K	
C565			CK73FB0J106K	CHIP C 10UF K		C796,797			CK73HB1E103K	CHIP C 0.010UF K	
C566			CK73HB1H102K	CHIP C 1000PF K		C798			CK73HB1A104K	CHIP C 0.10UF K	
C567			CK73HB1E103K	CHIP C 0.010UF K		C799,800			CK73HB1E103K	CHIP C 0.010UF K	
C569			CE32AU1C330M	CHIP EL 33UF 16WV		C801			CK73HB1H102K	CHIP C 1000PF K	
C570,571			CK73HB1H102K	CHIP C 1000PF K		C802,803			CK73HB1A104K	CHIP C 0.10UF K	

PARTS LIST

CONTROL UNIT (X53-4140-11)

Ref. No.	Address	New parts	Parts No.	Description	Destination	Ref. No.	Address	New parts	Parts No.	Description	Destination
C804			CK73FB0J106K	CHIP C 10UF K		CP775-778			RK75HA1JR00J	CHIP-COM 0.00 J 1/16W	
C805-807			CK73HB1E103K	CHIP C 0.010UF K		CP783-798			RK75HA1J390J	CHIP-COM 39 J 1/16W	
C808			CK73HB1H102K	CHIP C 1000PF K		CP807-811			RK75HA1J104J	CHIP-COM 100K J 1/16W	
C809			CK73HB1A104K	CHIP C 0.10UF K		CP813			RK75HA1J104J	CHIP-COM 100K J 1/16W	
C812			CK73HB1A104K	CHIP C 0.10UF K		CP814,815			RK75HA1JR00J	CHIP-COM 0.00 J 1/16W	
C813-815			CK73HB1H102K	CHIP C 1000PF K		R300,301			RK73GB2A000J	CHIP R 0.0 J 1/10W	
C816-818			CK73HB1A104K	CHIP C 0.10UF K		R302			RK73HB1J000J	CHIP R 0.0 J 1/16W	
C819			CK73HB1H102K	CHIP C 1000PF K		R303			RK73GB2A000J	CHIP R 0.0 J 1/10W	
C820,821			CK73HB1A104K	CHIP C 0.10UF K		R309			RK73HB1J000J	CHIP R 0.0 J 1/16W	
C822			CK73HB1H102K	CHIP C 1000PF K		R311-317			RK73HB1J000J	CHIP R 0.0 J 1/16W	
C825			CK73HB1H102K	CHIP C 1000PF K		R318,319			RK73HB1J101J	CHIP R 100 J 1/16W	
C826,827			CC73HCH1H101J	CHIP C 100PF J		R320-337			RK73HB1J000J	CHIP R 0.0 J 1/16W	
C828			CK73HB1H102K	CHIP C 1000PF K		R339			RK73HB1J473J	CHIP R 47K J 1/16W	
C829			CC73HCH1H101J	CHIP C 100PF J		R340-350			RK73HB1J000J	CHIP R 0.0 J 1/16W	
C830			CK73HB1H102K	CHIP C 1000PF K		R352-354			RK73HB1J000J	CHIP R 0.0 J 1/16W	
C831			CC73HCH1H101J	CHIP C 100PF J		R356-360			RK73HB1J000J	CHIP R 0.0 J 1/16W	
C832			CK73HB1H102K	CHIP C 1000PF K		R361			RK73GB2A104J	CHIP R 100K J 1/10W	
C833,834			CK73HB1A104K	CHIP C 0.10UF K		R362			RK73GB2A681J	CHIP R 680 J 1/10W	
C835-837			CK73HB1H102K	CHIP C 1000PF K		R363-386			RK73HB1J000J	CHIP R 0.0 J 1/16W	
C838,839			CC73HCH1H101J	CHIP C 100PF J		R387			RK73HB1J104J	CHIP R 100K J 1/16W	
C841-848			CC73GCH1H470J	CHIP C 47PF J		R388-390			RK73GB2A000J	CHIP R 0.0 J 1/10W	
C850			CC73GCH1H470J	CHIP C 47PF J		R391			RK73GB2A100J	CHIP R 10 J 1/10W	
C851-869			CC73HCH1H470J	CHIP C 47PF J		R392			RK73HB1J103J	CHIP R 10K J 1/16W	
C870-873			CK73HB1H102K	CHIP C 1000PF K		R393-397			RK73HB1J000J	CHIP R 0.0 J 1/16W	
						R398			RK73HB1J104J	CHIP R 100K J 1/16W	
CN300			E04-0193-05	PIN SOCKET		R399			RK73HB1J151J	CHIP R 150 J 1/16W	
CN302			E04-0193-05	PIN SOCKET		R401			RK73HB1J000J	CHIP R 0.0 J 1/16W	
CN400-402			E40-6656-05	PIN ASSY		R403			RK73GB2A000J	CHIP R 0.0 J 1/10W	
CN713			E41-2263-05	PIN ASSY		R404,405			RK73HB1J000J	CHIP R 0.0 J 1/16W	
J700			E58-0516-05	MODULAR JACK		R406			RK73GB2A000J	CHIP R 0.0 J 1/10W	
J701			E58-0515-05	RECTANGULAR RECEPTACLE		R408,409			RK73HB1J000J	CHIP R 0.0 J 1/16W	
J702,703			E58-0533-05	MODULAR JACK		R410			RK73GB2A103J	CHIP R 10K J 1/10W	
-			J19-5497-05	HOLDER (COMPACT FLASH)		R411			RK73GB2A472J	CHIP R 4.7K J 1/10W	
L300-307			L92-0447-05	BEADS CORE		R413			RK73GB2A103J	CHIP R 10K J 1/10W	
L308,309			L41-8285-33	SMALL FIXED INDUCTOR (0.82UH)		R414			RK73HB1J000J	CHIP R 0.0 J 1/16W	
L310			L41-1005-33	SMALL FIXED INDUCTOR (10UH)		R415			RK73HB1J100J	CHIP R 10 J 1/16W	
L311,312			L41-1595-33	SMALL FIXED INDUCTOR (1.5UH)		R416			RK73HB1J104J	CHIP R 100K J 1/16W	
L313-316			L92-0447-05	BEADS CORE		R417			RK73HB1J000J	CHIP R 0.0 J 1/16W	
L317,318			L33-1500-05	CHOKE COIL		R418,419			RK73GB2A104J	CHIP R 100K J 1/10W	
L319-325			L92-0447-05	BEADS CORE		R420			RK73HB1J000J	CHIP R 0.0 J 1/16W	
L326-329			L92-0467-05	CHIP FERRITE		R421			RK73HB1J100J	CHIP R 10 J 1/16W	
X300			L77-1988-05	VCXO (12.288MHZ)		R423			RK73HB1J000J	CHIP R 0.0 J 1/16W	
X301			L77-1984-05	CRYSTAL RESONATOR (14.7456MHZ)		R424			RK73GB2A681J	CHIP R 680 J 1/10W	
X700			L77-1985-05	CRYSTAL RESONATOR (25.8048MHZ)		R425			RK73HB1J000J	CHIP R 0.0 J 1/16W	
X701			L77-1802-05	CRYSTAL RESONATOR (32768HZ)		R428			RK73GB2A100J	CHIP R 10 J 1/10W	
X702			L77-1986-05	CRYSTAL RESONATOR (25MHZ)		R429			RK73GB2A471J	CHIP R 470 J 1/10W	
-			N30-2008-43	PAN HEAD MACHINE SCREW		R431			RK73HB1J000J	CHIP R 0.0 J 1/16W	
CP716			RK75HA1JR00J	CHIP-COM 0.00 J 1/16W		R432			RK73GB2A220J	CHIP R 22 J 1/10W	
CP718			RK75HA1JR00J	CHIP-COM 0.00 J 1/16W		R433			RK73HB1J105J	CHIP R 1.0M J 1/16W	
CP720			RK75HA1JR00J	CHIP-COM 0.00 J 1/16W		R438			RK73GB2A100J	CHIP R 10 J 1/10W	
CP737			RK75HA1JR00J	CHIP-COM 0.00 J 1/16W		R439,440			RK73GB2A220J	CHIP R 22 J 1/10W	
CP739			RK75HA1JR00J	CHIP-COM 0.00 J 1/16W		R441			RK73HB1J823J	CHIP R 82K J 1/16W	
CP743			RK75HA1JR00J	CHIP-COM 0.00 J 1/16W		R442			RK73HB1J683J	CHIP R 68K J 1/16W	
CP747			RK75HA1JR00J	CHIP-COM 0.00 J 1/16W		R445			RK73HB1J393J	CHIP R 39K J 1/16W	
CP750			RK75HA1JR00J	CHIP-COM 0.00 J 1/16W		R446,447			RK73HB1J000J	CHIP R 0.0 J 1/16W	
CP760			RK75HA1JR00J	CHIP-COM 0.00 J 1/16W		R448			RK73GB2A221J	CHIP R 220 J 1/10W	
CP762			RK75HA1JR00J	CHIP-COM 0.00 J 1/16W		R449			RK73HB1J683J	CHIP R 68K J 1/16W	
CP768			RK75HA1JR00J	CHIP-COM 0.00 J 1/16W		R451			RK73HB1J473J	CHIP R 47K J 1/16W	
						R452-454			RK73HB1J100J	CHIP R 10 J 1/16W	
						R457-461			RK73HB1J473J	CHIP R 47K J 1/16W	

PARTS LIST

CONTROL UNIT (X53-4140-11)

Ref. No.	Address	New parts	Parts No.	Description	Destination	Ref. No.	Address	New parts	Parts No.	Description	Destination
R464			RK73HB1J472J	CHIP R 4.7K J 1/16W		R624			RK73HB1J473J	CHIP R 47K J 1/16W	
R469			RK73HB1J470J	CHIP R 47 J 1/16W		R626			RK73HB1J473J	CHIP R 47K J 1/16W	
R470			RK73HB1J102J	CHIP R 1.0K J 1/16W		R627			RK73HB1J000J	CHIP R 0.0 J 1/16W	
R474			RK73HB1J100J	CHIP R 10 J 1/16W		R629-631			RK73HB1J000J	CHIP R 0.0 J 1/16W	
R478			RK73HB1J100J	CHIP R 10 J 1/16W		R632			RK73HB1J101J	CHIP R 100 J 1/16W	
R479			RK73HB1J102J	CHIP R 1.0K J 1/16W		R634			RK73HB1J473J	CHIP R 47K J 1/16W	
R480			RK73HB1J100J	CHIP R 10 J 1/16W		R635,636			RK73HB1J000J	CHIP R 0.0 J 1/16W	
R481			RK73HB1J473J	CHIP R 47K J 1/16W		R637-640			RK73HB1J473J	CHIP R 47K J 1/16W	
R483			RK73HB1J104J	CHIP R 100K J 1/16W		R641			RK73HB1J000J	CHIP R 0.0 J 1/16W	
R484			RK73HB1J000J	CHIP R 0.0 J 1/16W		R642			RK73HB1J101J	CHIP R 100 J 1/16W	
R485			RK73HB1J100J	CHIP R 10 J 1/16W		R643			RK73HB1J473J	CHIP R 47K J 1/16W	
R486-489			RK73HB1J000J	CHIP R 0.0 J 1/16W		R644			RK73HB1J000J	CHIP R 0.0 J 1/16W	
R491-505			RK73HB1J000J	CHIP R 0.0 J 1/16W		R646			RK73HB1J473J	CHIP R 47K J 1/16W	
R516-518			RK73HB1J473J	CHIP R 47K J 1/16W		R648			RK73HB1J000J	CHIP R 0.0 J 1/16W	
R521			RK73HB1J000J	CHIP R 0.0 J 1/16W		R649			RK73HB1J101J	CHIP R 100 J 1/16W	
R522			RK73HB1J473J	CHIP R 47K J 1/16W		R650			RK73HB1J473J	CHIP R 47K J 1/16W	
R526			RK73HB1J000J	CHIP R 0.0 J 1/16W		R651-653			RK73HB1J000J	CHIP R 0.0 J 1/16W	
R527			RK73HB1J473J	CHIP R 47K J 1/16W		R656,657			RK73HB1J000J	CHIP R 0.0 J 1/16W	
R528,529			RK73HB1J000J	CHIP R 0.0 J 1/16W		R660-664			RK73HB1J000J	CHIP R 0.0 J 1/16W	
R530			RK73HB1J473J	CHIP R 47K J 1/16W		R667,668			RK73HB1J000J	CHIP R 0.0 J 1/16W	
R531,532			RK73HB1J000J	CHIP R 0.0 J 1/16W		R672-674			RK73HB1J473J	CHIP R 47K J 1/16W	
R533,534			RK73HB1J473J	CHIP R 47K J 1/16W		R678,679			RK73HB1J000J	CHIP R 0.0 J 1/16W	
R535-539			RK73HB1J000J	CHIP R 0.0 J 1/16W		R680			RK73HB1J473J	CHIP R 47K J 1/16W	
R540-542			RK73HB1J473J	CHIP R 47K J 1/16W		R685-687			RK73HB1J000J	CHIP R 0.0 J 1/16W	
R543			RK73HB1J000J	CHIP R 0.0 J 1/16W		R690			RK73HB1J000J	CHIP R 0.0 J 1/16W	
R546			RK73HB1J000J	CHIP R 0.0 J 1/16W		R700,701			RK73HB1J103J	CHIP R 10K J 1/16W	
R547,548			RK73HB1J473J	CHIP R 47K J 1/16W		R702,703			RK73HB1J473J	CHIP R 47K J 1/16W	
R549			RK73HB1J000J	CHIP R 0.0 J 1/16W		R709,710			RK73HB1J104J	CHIP R 100K J 1/16W	
R550			RK73HB1J473J	CHIP R 47K J 1/16W		R711			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R551,552			RK73HB1J000J	CHIP R 0.0 J 1/16W		R712-714			RK73HB1J100J	CHIP R 10 J 1/16W	
R553-555			RK73HB1J473J	CHIP R 47K J 1/16W		R715			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R556,557			RK73HB1J000J	CHIP R 0.0 J 1/16W		R716			RK73HB1J000J	CHIP R 0.0 J 1/16W	
R559			RK73HB1J102J	CHIP R 1.0K J 1/16W		R718			RK73HB1J104J	CHIP R 100K J 1/16W	
R560			RK73HB1J103J	CHIP R 10K J 1/16W		R719			RK73HB1J472J	CHIP R 4.7K J 1/16W	
R561			RK73HB1J000J	CHIP R 0.0 J 1/16W		R720			RK73HB1J100J	CHIP R 10 J 1/16W	
R562			RK73HB1J103J	CHIP R 10K J 1/16W		R721			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R564-566			RK73HB1J000J	CHIP R 0.0 J 1/16W		R722			RK73HB1J472J	CHIP R 4.7K J 1/16W	
R567			RK73HB1J473J	CHIP R 47K J 1/16W		R725,726			RK73HB1J000J	CHIP R 0.0 J 1/16W	
R568			RK73HB1J000J	CHIP R 0.0 J 1/16W		R727			RK73HB1J103J	CHIP R 10K J 1/16W	
R569			RK73HB1J224J	CHIP R 220K J 1/16W		R729,730			RK73HB1J000J	CHIP R 0.0 J 1/16W	
R570			RK73HB1J000J	CHIP R 0.0 J 1/16W		R731			RK73HB1J103J	CHIP R 10K J 1/16W	
R573-576			RK73HB1J000J	CHIP R 0.0 J 1/16W		R732			RK73HB1J390J	CHIP R 39 J 1/16W	
R577,578			RK73HB1J473J	CHIP R 47K J 1/16W		R733			RK73HB1J104J	CHIP R 100K J 1/16W	
R579			RK73HB1J000J	CHIP R 0.0 J 1/16W		R734			RK73HB1J102J	CHIP R 1.0K J 1/16W	
R581			RK73HB1J000J	CHIP R 0.0 J 1/16W		R735,736			RK73HB1J000J	CHIP R 0.0 J 1/16W	
R582			RK73HB1J473J	CHIP R 47K J 1/16W		R738			RK73HB1J104J	CHIP R 100K J 1/16W	
R583			RK73HB1J000J	CHIP R 0.0 J 1/16W		R742			RK73HB1J104J	CHIP R 100K J 1/16W	
R584			RK73HB1J473J	CHIP R 47K J 1/16W		R743,744			RK73HB1J153J	CHIP R 15K J 1/16W	
R585,586			RK73HB1J000J	CHIP R 0.0 J 1/16W		R745			RK73HB1J104J	CHIP R 100K J 1/16W	
R587			RK73HB1J473J	CHIP R 47K J 1/16W		R751			RK73HB1J000J	CHIP R 0.0 J 1/16W	
R588			RK73HB1J000J	CHIP R 0.0 J 1/16W		R754			RK73HB1J103J	CHIP R 10K J 1/16W	
R589			RK73HB1J473J	CHIP R 47K J 1/16W		R756			RK73HB1J000J	CHIP R 0.0 J 1/16W	
R590			RK73HB1J000J	CHIP R 0.0 J 1/16W		R758			RK73HB1J103J	CHIP R 10K J 1/16W	
R591			RK73HB1J223J	CHIP R 22K J 1/16W		R759			RK73HB1J000J	CHIP R 0.0 J 1/16W	
R592-600			RK73HB1J000J	CHIP R 0.0 J 1/16W		R760			RK73HB1J103J	CHIP R 10K J 1/16W	
R602			RK73HB1J103J	CHIP R 10K J 1/16W		R761-765			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R604			RK73HB1J103J	CHIP R 10K J 1/16W		R766			RK73HB1J000J	CHIP R 0.0 J 1/16W	
R605-610			RK73HB1J000J	CHIP R 0.0 J 1/16W		R767			RK73HB1J102J	CHIP R 1.0K J 1/16W	
R612-616			RK73HB1J000J	CHIP R 0.0 J 1/16W		R768-770			RK73HB1J000J	CHIP R 0.0 J 1/16W	
R620-623			RK73HB1J000J	CHIP R 0.0 J 1/16W		R772-777			RK73HB1J104J	CHIP R 100K J 1/16W	

PARTS LIST

CONTROL UNIT (X53-4140-11)

Ref. No.	Address	New parts	Parts No.	Description	Destination	Ref. No.	Address	New parts	Parts No.	Description	Destination
R778			RK73HB1J000J	CHIP R 0.0 J 1/16W		R916-923			RK73HB1J000J	CHIP R 0.0 J 1/16W	
R779			RK73HB1J104J	CHIP R 100K J 1/16W		R924			RK73HB1J104J	CHIP R 100K J 1/16W	
R780			RK73HB1J000J	CHIP R 0.0 J 1/16W		R926			RK73HB1J473J	CHIP R 47K J 1/16W	
R781-784			RK73HB1J104J	CHIP R 100K J 1/16W		R927-933			RK73HB1J000J	CHIP R 0.0 J 1/16W	
R785			RK73HB1J272J	CHIP R 2.7K J 1/16W		R934,935			RK73HB1J474J	CHIP R 470K J 1/16W	
R786-788			RK73HB1J104J	CHIP R 100K J 1/16W		R936			RK73HB1J104J	CHIP R 100K J 1/16W	
R794			RK73HB1J104J	CHIP R 100K J 1/16W		R942			RK73HB1J104J	CHIP R 100K J 1/16W	
R796			RK73HB1J104J	CHIP R 100K J 1/16W		R943			RK73HB1J000J	CHIP R 0.0 J 1/16W	
R799-803			RK73HB1J104J	CHIP R 100K J 1/16W		R945-950			RK73HB1J000J	CHIP R 0.0 J 1/16W	
R805-808			RK73HB1J103J	CHIP R 10K J 1/16W		R951			RK73HB1J104J	CHIP R 100K J 1/16W	
R816			RK73HB1J105J	CHIP R 1.0M J 1/16W		R952,953			RK73HB1J000J	CHIP R 0.0 J 1/16W	
R817			RK73HB1J821J	CHIP R 820 J 1/16W		R954-957			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R818			RK73HB1J104J	CHIP R 100K J 1/16W		R961			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R819			RK73GB2A000J	CHIP R 0.0 J 1/10W		S700			S79-0473-05	DIP SWITCHES	
R820			RK73HB1J103J	CHIP R 10K J 1/16W		D300			1SS388F	DIODE	
R821			RK73HB1J000J	CHIP R 0.0 J 1/16W		D701			1SS388F	DIODE	
R822			RK73HB1J103J	CHIP R 10K J 1/16W		D702			1SS355	DIODE	
R824			RK73HB1J103J	CHIP R 10K J 1/16W		IC300,301			TC7SET126FU-F	MOS-IC	
R826			RK73HB1J103J	CHIP R 10K J 1/16W		IC302			SN65HVD485EDR	MOS-IC	
R827			RK73GB2A000J	CHIP R 0.0 J 1/10W		IC303			BU4829FVE	MOS-IC	
R828			RK73HB1J104J	CHIP R 100K J 1/16W		IC304			TC7SH125FU-F	MOS-IC	
R829			RK73HB1J113D	CHIP R 11K D 1/16W		IC305			XC6209B332PR	MOS-IC	
R830			RK73HB1J104J	CHIP R 100K J 1/16W		IC306			BA15BC0FP	MOS-IC	
R832			RK73HB1J104J	CHIP R 100K J 1/16W		IC307			XC6201P152PR	MOS-IC	
R833			RK73HB1J000J	CHIP R 0.0 J 1/16W		IC308			XC61CN2702N	MOS-IC	
R834			RK73HB1J104J	CHIP R 100K J 1/16W		IC309			AK4550VTP	MOS-IC	
R835			RK73HB1J000J	CHIP R 0.0 J 1/16W		IC312			ADCS7476AIMF	MOS-IC	
R837			RK73GH2A49R9D	CHIP R 49.9 D 1/10W		IC313			TC7WU04FK-F	MOS-IC	
R839			RK73GB2A000J	CHIP R 0.0 J 1/10W		IC314		*	Note 1 (BGA)	ROM IC	
R840			RK73GH2A49R9D	CHIP R 49.9 D 1/10W		IC315			ADF4001BRUZ	MOS-IC	
R842-845			RK73HB1J104J	CHIP R 100K J 1/16W		IC318			TC7SH126FU-F	MOS-IC	
R867,868			RK73GH2A24R9D	CHIP R 24.9 D 1/10W		IC319-321			TC7SET126FU-F	MOS-IC	
R869			RK73HB1J331J	CHIP R 330 J 1/16W		IC323,324			Note 1 (BGA)	MICRO CONTOROL UNIT	
R870			RK73HB1J000J	CHIP R 0.0 J 1/16W		IC325			3625MGP396GP	MICRO CONTOROL UNIT	
R871-873			RK73HB1J103J	CHIP R 10K J 1/16W		IC327			TC7SH08FU-F	MOS-IC	
R874			RK73HB1J000J	CHIP R 0.0 J 1/16W		IC329	1C		BA33DD0WT	MOS-IC	
R875,876			RK73GH2A24R9D	CHIP R 24.9 D 1/10W		IC330			TC7SH126FU-F	MOS-IC	
R877,878			RK73HB1J103J	CHIP R 10K J 1/16W		IC700			62167DV30LL55	SRAM IC	
R879			RK73GB2A000J	CHIP R 0.0 J 1/10W		IC701			RV5C386A	MOS-IC	
R880,881			RK73HB1J104J	CHIP R 100K J 1/16W		IC702		*	29PL127JKCDB	ROM IC	
R883-885			RK73HB1J000J	CHIP R 0.0 J 1/16W		IC703		*	Note 1 (BGA)	MICRO CONTOROL UNIT	
R886			RK73HB1J221J	CHIP R 220 J 1/16W		IC704			48LC8M16A2P75I	DRAM IC	
R887			RK73HB1J000J	CHIP R 0.0 J 1/16W		IC705			ADM3202ARUZ	MOS-IC	
R888			RK73HB1J221J	CHIP R 220 J 1/16W		IC707			48LC8M16A2P75I	DRAM IC	
R889			RK73HB1J103J	CHIP R 10K J 1/16W		IC708			BU4829FVE	MOS-IC	
R890			RK73HB1J000J	CHIP R 0.0 J 1/16W		IC709			TC7SH126FU-F	MOS-IC	
R891			RK73HB1J104J	CHIP R 100K J 1/16W		IC710,711			TC7SH00FU-F	MOS-IC	
R892,893			RK73HB1J000J	CHIP R 0.0 J 1/16W		IC712,713			TC7SH32FU-F	MOS-IC	
R894			RK73HB1J103J	CHIP R 10K J 1/16W		IC714-716			TC7MA244FK	MOS-IC	
R895			RK73HB1J151J	CHIP R 150 J 1/16W		IC717,718			TC7MA245FK	MOS-IC	
R896			RK73HB1J101J	CHIP R 100 J 1/16W		IC719			LAN91C111I-NU	MOS-IC	
R897			RK73HB1J104J	CHIP R 100K J 1/16W		IC720			AT93C4610SU1.8	ROM IC	
R902,903			RK73HB1J000J	CHIP R 0.0 J 1/16W		IC721			TC7SH08FU-F	MOS-IC	
R907			RK73HB1J000J	CHIP R 0.0 J 1/16W		IC722			TC7SH32FU-F	MOS-IC	
R909			RK73HB1J000J	CHIP R 0.0 J 1/16W		IC723			TC7SH00FU-F	MOS-IC	
R910			RK73HB1J473J	CHIP R 47K J 1/16W		IC724			TC7SH125FU-F	MOS-IC	
R911			RK73HB1J000J	CHIP R 0.0 J 1/16W		IC725			TC7SH126FU-F	MOS-IC	
R912			RK73HB1J473J	CHIP R 47K J 1/16W		IC726			TC7SH08FU-F	MOS-IC	
R913,914			RK73HB1J000J	CHIP R 0.0 J 1/16W		IC727,728			TC7SH126FU-F	MOS-IC	
R915			RK73HB1J473J	CHIP R 47K J 1/16W							

PARTS LIST

RX UNIT (X55-3100-XX)

Ref. No.	Address	New parts	Parts No.	Description	Destination	Ref. No.	Address	New parts	Parts No.	Description	Destination
C147		*	CS77CC1C330M	CHIP TNTL 33UF 16WV		C241,242			CC73GCH1H150J	CHIP C 15PF J	
C149,150			CC73GCH1H180J	CHIP C 18PF J		C243			CC73GCH1H820J	CHIP C 82PF J	
C151			CC73GCH1H070D	CHIP C 7.0PF D		C244			CC73GCH1H100D	CHIP C 10PF D	
C154,155			CK73GB1H104K	CHIP C 0.10UF K		C245			CK73GB1H102K	CHIP C 1000PF K	
C156			CC73GCH1H100C	CHIP C 10PF C		C248			CC73GCH1H471J	CHIP C 470PF J	
C157,158			CC73GCH1H471J	CHIP C 470PF J		C249			CC73GCH1H070D	CHIP C 7.0PF D	
C159,160			CK73GB1H104K	CHIP C 0.10UF K		C250,251			CK73GB1H104K	CHIP C 0.10UF K	
C161			CC73GCH1H030C	CHIP C 3.0PF C		C252			CC73GCH1H151J	CHIP C 150PF J	
C162			CC73GCH1H060D	CHIP C 6.0PF D		C253			CC73GCH1H010C	CHIP C 1.0PF C	
C163			CC73GCH1H020B	CHIP C 2.0PF B		C254			CC73GCH1H030C	CHIP C 3.0PF C	
C164			CK73GB1H104K	CHIP C 0.10UF K		C255			CK73GB1H104K	CHIP C 0.10UF K	
C165			CS77CB21C100M	CHIP TNTL 10UF 16WV		C256			CK73GB1H102K	CHIP C 1000PF K	
C166,167			CC73GCH1H180J	CHIP C 18PF J		C257			CK73GB1H103K	CHIP C 0.010UF K	
C168			CC73GCH1H471J	CHIP C 470PF J		C258			CK73GB1H473K	CHIP C 0.047UF K	
C169			CC73GCH1H150J	CHIP C 15PF J		C260			CC73GCH1H471J	CHIP C 470PF J	
C170,171			CK73GB1H104K	CHIP C 0.10UF K		C261			CK73GB1H103K	CHIP C 0.010UF K	
C172			CK73GB1H473K	CHIP C 0.047UF K		C262,263			CK73GB1H102K	CHIP C 1000PF K	
C173,174			CK73GB1H103K	CHIP C 0.010UF K		C264			CS77CA1ER47M	CHIP TNTL 0.47UF 25WV	
C175			CC73GCH1H101J	CHIP C 100PF J		C265			CC73GCH1H470J	CHIP C 47PF J	
C176			CK73GB1H104K	CHIP C 0.10UF K		C266,267			CC73GCH1H471J	CHIP C 470PF J	
C177-179			CC73GCH1H471J	CHIP C 470PF J		C268,269			CK73GB1H473K	CHIP C 0.047UF K	
C180			CK73GB1H104K	CHIP C 0.10UF K		C270		*	CS77CA1DR68M	CHIP TNTL 0.68UF 20WV	
C183			CE32AU1E100M	CHIP EL 10UF 25WV		C271			CC73GCH1H471J	CHIP C 470PF J	
C185,186			CC73GCH1H471J	CHIP C 470PF J		C272			CK73GB1H104K	CHIP C 0.10UF K	
C187			CC73GCH1H220J	CHIP C 22PF J		C273			CC73GCH1H220J	CHIP C 22PF J	
C188			CK73GB1H103K	CHIP C 0.010UF K		C274			CK73GB1H473K	CHIP C 0.047UF K	
C192			CC73GCH1H471J	CHIP C 470PF J		C277			CK73GB1H102K	CHIP C 1000PF K	
C193			CK73GB1H104K	CHIP C 0.10UF K		C278			CC73GCH1H151J	CHIP C 150PF J	
C194			CC73GCH1H080D	CHIP C 8.0PF D		C279			CK73GB1H473K	CHIP C 0.047UF K	
C195			CC73GCH1H471J	CHIP C 470PF J		C280			CC73GCH1H080B	CHIP C 8.0PF B	
C196,197			CK73GB1H103K	CHIP C 0.010UF K		C281			CC73GCH1H030B	CHIP C 3.0PF B	
C198			CC73GCH1H471J	CHIP C 470PF J		C282		*	CS77CB21C150M	CHIP TNTL 15UF 16WV	
C199			CK73GB1H103K	CHIP C 0.010UF K		C284			CK73GB1H473K	CHIP C 0.047UF K	
C203			CC73GCH1H471J	CHIP C 470PF J	K2	C285			CC73GCH1H471J	CHIP C 470PF J	
C203-205			CC73GCH1H471J	CHIP C 470PF J	K	C287			CC73GCH1H390J	CHIP C 39PF J	
C206			CC73GCH1H100C	CHIP C 10PF C		C288,289			CC73GCH1H150J	CHIP C 15PF J	
C211,212			CK73GB1H103K	CHIP C 0.010UF K		C290,291			CK73GB1H473K	CHIP C 0.047UF K	
C213			CK73GB1H473K	CHIP C 0.047UF K		C292			CE32CL1V100M	CHIP EL 10UF 35WV	
C214			CC73GCH1H040C	CHIP C 4.0PF C		C293			CC73GCH1H151J	CHIP C 150PF J	
C215			CK73GB1H103K	CHIP C 0.010UF K		C295			CK73GB1H102K	CHIP C 1000PF K	
C216			CK73GB1H473K	CHIP C 0.047UF K		C296		*	CS77CA1DR68M	CHIP TNTL 0.68UF 20WV	
C217			CK73GB1H104K	CHIP C 0.10UF K		C297			CC73GCH1H151J	CHIP C 150PF J	
C218			CK73GB1H473K	CHIP C 0.047UF K		C298			CK73GB1H102K	CHIP C 1000PF K	
C220			CC73GCH1H040C	CHIP C 4.0PF C		C300			CC73GCH1H220G	CHIP C 22PF G	
C221,222			CK73GB1H104K	CHIP C 0.10UF K		C301			CK73GB1H473K	CHIP C 0.047UF K	
C223			CK73GB1H103K	CHIP C 0.010UF K		C302			CC73GCH1H100D	CHIP C 10PF D	
C224			CK73GB1H104K	CHIP C 0.10UF K		C303,304			CK73GB1H473K	CHIP C 0.047UF K	
C225			CK73GB1H473K	CHIP C 0.047UF K		C305			CC73GCH1H151J	CHIP C 150PF J	
C227			CC73GCH1H471J	CHIP C 470PF J		C306			CK73GB1H102K	CHIP C 1000PF K	
C228,229			CK73FB1E474K	CHIP C 0.47UF K		C307,308			CK73GB1H103K	CHIP C 0.010UF K	
C230			CC73GCH1H820J	CHIP C 82PF J		C309			CC73GCH1H471J	CHIP C 470PF J	
C231			CK73GB1H473K	CHIP C 0.047UF K		C310			CK73GB1H102K	CHIP C 1000PF K	
C232			CC73GCH1H470J	CHIP C 47PF J		C314			CK73GB1H104K	CHIP C 0.10UF K	
C233			CK73GB1H473K	CHIP C 0.047UF K		C315			CC73GCH1H270G	CHIP C 27PF G	
C234,235			CC73GCH1H270J	CHIP C 27PF J		C316			CK73GB1H473K	CHIP C 0.047UF K	
C236			CK73GB1H104K	CHIP C 0.10UF K		C317			CC73GCH1H151J	CHIP C 150PF J	
C237			CK73GB1H102K	CHIP C 1000PF K		C318,319			CK73GB1H103K	CHIP C 0.010UF K	
C238			CC73GCH1H090D	CHIP C 9.0PF D		C320			CE32BM1E470M	CHIP EL 47UF 25WV	
C239			CE32AU1C330M	CHIP EL 33UF 16WV		C324			CC73GCH1H471J	CHIP C 470PF J	
C240			CS77CB21C100M	CHIP TNTL 10UF 16WV		C325			CC73GCH1H270G	CHIP C 27PF G	

PARTS LIST

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Ref. No.	Address	New parts	Parts No.	Description	Destination	Ref. No.	Address	New parts	Parts No.	Description	Destination
C326			CC73GCH1H151J	CHIP C 150PF J		C411			CC73GCH1H121J	CHIP C 120PF J	
C327			CK73GB1H102K	CHIP C 1000PF K		C412			CK73GB1H104K	CHIP C 0.10UF K	
C329			CK73GB1H103K	CHIP C 0.010UF K		C413			CK73GB1H103K	CHIP C 0.010UF K	
C330			CK73GB1H102K	CHIP C 1000PF K		C414			CK73GB1H104K	CHIP C 0.10UF K	
C331			CC73GCH1H020B	CHIP C 2.0PF B		C415,416			CK73GB1H103K	CHIP C 0.010UF K	
C332			CK73GB1H104K	CHIP C 0.10UF K		C417			CK73GB1H104K	CHIP C 0.10UF K	
C333			CC73GCH1H151J	CHIP C 150PF J		C418,419			CK73GB1H103K	CHIP C 0.010UF K	
C334,335			CK73GB1H103K	CHIP C 0.010UF K		C420			CK73GB1H102K	CHIP C 1000PF K	
C336			CC73GCH1H471J	CHIP C 470PF J		C421,422			CK73GB1H473K	CHIP C 0.047UF K	
C337			CC73GCH1H560J	CHIP C 56PF J		C423,424			CK73GB1H103K	CHIP C 0.010UF K	
C340		*	CS77CC1C330M	CHIP TNL 33UF 16WV		C425			CK73GB1H104K	CHIP C 0.10UF K	
C341,342			CK73GB1H473K	CHIP C 0.047UF K		C427			CK73FB1E474K	CHIP C 0.47UF K	
C343			CC73GCH1H220J	CHIP C 22PF J		C428,429			CC73GCH1H560J	CHIP C 56PF J	
C347,348			CK73GB1H103K	CHIP C 0.010UF K	K	C430			CK73GB1H102K	CHIP C 1000PF K	
C349			CC73GCH1H121J	CHIP C 120PF J	K	C431			CK73GB1H473K	CHIP C 0.047UF K	
C349			CC73GCH1H680J	CHIP C 68PF J	K2	C432			CK73GB1H102K	CHIP C 1000PF K	
C350		*	CS77CC1C330M	CHIP TNL 33UF 16WV		C434,435			CK73GB1H473K	CHIP C 0.047UF K	
C351			CK73GB1H102K	CHIP C 1000PF K		C437			CK73GB1H102K	CHIP C 1000PF K	
C352			CK73GB1H473K	CHIP C 0.047UF K		C438			CK73GB1H473K	CHIP C 0.047UF K	
C353			CK73GB1H102K	CHIP C 1000PF K		C439			CK73GB1H104K	CHIP C 0.10UF K	
C355			CK73GB1H103K	CHIP C 0.010UF K		C440-442			CK73FB1E474K	CHIP C 0.47UF K	
C356			CK73GB1H473K	CHIP C 0.047UF K		C443,444			CK73GB1H473K	CHIP C 0.047UF K	
C357			CK73GB1H103K	CHIP C 0.010UF K		C446			CE32AU1E100M	CHIP EL 10UF 25WV	
C358			CK73GB1H473K	CHIP C 0.047UF K		C447			CK73FB1E474K	CHIP C 0.47UF K	
C359,360			CC73GCH1H471J	CHIP C 470PF J		C448			CK73GB1H104K	CHIP C 0.10UF K	
C361			CK73GB1H102K	CHIP C 1000PF K		C449			CK73GB1H473K	CHIP C 0.047UF K	
C362			CC73GCH1H270J	CHIP C 27PF J		C450,451			CK73FB1E474K	CHIP C 0.47UF K	
C363			CK73GB1H473K	CHIP C 0.047UF K		C452,453			CK73GB1H104K	CHIP C 0.10UF K	
C365,366			CK73GB1H104K	CHIP C 0.10UF K		C454,455			CK73FB1E474K	CHIP C 0.47UF K	
C367			CC73GCH1H560J	CHIP C 56PF J	K	C456			CK73GB1H473K	CHIP C 0.047UF K	
C367,368			CC73GCH1H330J	CHIP C 33PF J	K2	C458			CK73GB1H104K	CHIP C 0.10UF K	
C368			CC73GCH1H330J	CHIP C 33PF J	K	C459			CC73GCH1H221J	CHIP C 220PF J	
C369,370			CK73FB1E474K	CHIP C 0.47UF K		C460			CK73FB1E474K	CHIP C 0.47UF K	
C371			CK73GB1H102K	CHIP C 1000PF K		C461			CC73GCH1H221J	CHIP C 220PF J	
C372			CK73GB1H473K	CHIP C 0.047UF K		C462			CK73GB1H104K	CHIP C 0.10UF K	
C373			CK73GB1H103K	CHIP C 0.010UF K		C463-465			CK73FB1E474K	CHIP C 0.47UF K	
C375			CK73GB1H103K	CHIP C 0.010UF K		C466			CK73GB1H473K	CHIP C 0.047UF K	
C377			CK73GB1H103K	CHIP C 0.010UF K		C467			CK73GB1H102K	CHIP C 1000PF K	
C379			CC73GCH1H121J	CHIP C 120PF J		C468			CK73GB1H104K	CHIP C 0.10UF K	
C380			CC73GCH1H560J	CHIP C 56PF J		C469			CK73GB1H473K	CHIP C 0.047UF K	
C381			CE32BM1E470M	CHIP EL 47UF 25WV		C470			CC73GCH1H471J	CHIP C 470PF J	
C382,383			CK73GB1H104K	CHIP C 0.10UF K		C471,472			CK73GB1H104K	CHIP C 0.10UF K	
C385,386			CK73GB1H104K	CHIP C 0.10UF K		C473			CC73GCH1H270J	CHIP C 27PF J	
C387			CC73GCH1H270J	CHIP C 27PF J		C474			CK73FB1E474K	CHIP C 0.47UF K	
C388			CC73GCH1H820J	CHIP C 82PF J		C476			CE32AU1E100M	CHIP EL 10UF 25WV	
C389			CK73GB1H473K	CHIP C 0.047UF K		C477			CK73GB1H104K	CHIP C 0.10UF K	
C390			CK73GB1H104K	CHIP C 0.10UF K		C478			CK73FB1E474K	CHIP C 0.47UF K	
C391,392			CK73GB1H103K	CHIP C 0.010UF K		C480-482			CE32CL1V100M	CHIP EL 10UF 35WV	
C394,395			CK73GB1H102K	CHIP C 1000PF K		C484-488			CC73GCH1H471J	CHIP C 470PF J	
C396-398			CK73GB1H104K	CHIP C 0.10UF K		C489			CK73GB1H102K	CHIP C 1000PF K	
C400			CC73GCH1H220J	CHIP C 22PF J		C491			CK73GB1H104K	CHIP C 0.10UF K	
C401			CK73GB1H473K	CHIP C 0.047UF K		C492			C93-0912-05	CHIP C 100UF M	
C402			CC73GCH1H560J	CHIP C 56PF J		C493			CK73GB1H473K	CHIP C 0.047UF K	
C403			CK73GB1H104K	CHIP C 0.10UF K		C494			CK73FB0J106K	CHIP C 10UF K	
C405			CK73GB1H102K	CHIP C 1000PF K		C495			CK73GB1H104K	CHIP C 0.10UF K	
C406			CK73GB1H103K	CHIP C 0.010UF K		C498			CC73GCH1H470J	CHIP C 47PF J	
C407			CC73GCH1H560J	CHIP C 56PF J		C499			CK73FB0J106K	CHIP C 10UF K	
C408			CC73GCH1H220J	CHIP C 22PF J		C500-504			CC73GCH1H471J	CHIP C 470PF J	
C409			CK73GB1H102K	CHIP C 1000PF K		C505			CK73FB0J106K	CHIP C 10UF K	
C410			CK73GB1H104K	CHIP C 0.10UF K		C506			CK73GB1H102K	CHIP C 1000PF K	

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Ref. No.	Address	New parts	Parts No.	Description	Destination	Ref. No.	Address	New parts	Parts No.	Description	Destination
C507			CK73GB1H104K	CHIP C 0.10UF K		C629			CC73GCH1H471J	CHIP C 470PF J	K2
C508			CK73FB0J106K	CHIP C 10UF K		C630			CK73GB1H104K	CHIP C 0.10UF K	
C509			CC73GCH1H101J	CHIP C 100PF J		C652			CK73GB1H104K	CHIP C 0.10UF K	
C510			CK73GB1H104K	CHIP C 0.10UF K		C655			CK73FB0J106K	CHIP C 10UF K	
C516			CK73GB1H473K	CHIP C 0.047UF K		C657			CC73GCH1H270J	CHIP C 27PF J	
C517			CK73FB0J106K	CHIP C 10UF K		C658			CK73FB1E474K	CHIP C 0.47UF K	
C518			CK73GB1H104K	CHIP C 0.10UF K		C659			CC73GCH1H101J	CHIP C 100PF J	
C519			CC73GCH1H471J	CHIP C 470PF J		C660			CC73GCH1H050C	CHIP C 5.0PF C	
C520			CK73GB1H103K	CHIP C 0.010UF K		C661			CK73GB1H104K	CHIP C 0.10UF K	
C521			CK73GB1H104K	CHIP C 0.10UF K		C671			CK73GB1H104K	CHIP C 0.10UF K	
C522			CK73GB1H103K	CHIP C 0.010UF K		C673-675			CE32AU1C330M	CHIP EL 33UF 16WV	K2
C523			CK73GB1H104K	CHIP C 0.10UF K		C677			CK73GB1H104K	CHIP C 0.10UF K	
C524			CK73FB1H333K	CHIP C 0.033UF K		CN1-4			E23-1280-05	TERMINAL	
C527			CK73GB1H104K	CHIP C 0.10UF K		CN5			E04-0460-05	RF COAXIAL RECEPTACLE (SMB)	
C532			CK73GB1H104K	CHIP C 0.10UF K		CN6			E41-2735-05	PIN ASSY	
C533-536			CE32CL1V100M	CHIP EL 10UF 35WV		CN8-35			E23-1280-05	TERMINAL	
C537-540			CC73GCH1H471J	CHIP C 470PF J		CN36			E41-2735-05	PIN ASSY	
C541,542			CK73GB1H104K	CHIP C 0.10UF K		CN38,39			E23-1280-05	TERMINAL	
C543			CK73GB1H473K	CHIP C 0.047UF K		CN41			E04-0154-05	PIN SOCKET	
C544			CC73GCH1H470J	CHIP C 47PF J		CN42			E40-6656-05	PIN ASSY	
C545-548			CC73GCH1H471J	CHIP C 470PF J		CN43			E04-0193-05	PIN SOCKET	
C549			CC73GCH1H470J	CHIP C 47PF J		CN44			E41-2672-05	PIN ASSY	
C550-553			CK73GB1H103K	CHIP C 0.010UF K		CN45			E04-0193-05	PIN SOCKET	
C554			CK73GB1H473K	CHIP C 0.047UF K		CN46,47			E41-2735-05	PIN ASSY	
C555			CE32BM1V220M	CHIP EL 22UF 35WV		CN61,62			E23-1280-05	TERMINAL	
C556			CC73GCH1H471J	CHIP C 470PF J		E1			F10-2379-04	SHIELDING CASE	
C557			CK73GB1H473K	CHIP C 0.047UF K		E2			F10-2409-04	SHIELDING CASE	
C558			CC73GCH1H471J	CHIP C 470PF J		E3			F10-3080-04	SHIELDING CASE	
C559			CK73GB1H104K	CHIP C 0.10UF K		CF1			L72-1019-05	CERAMIC FILTER	
C560,561			CC73GCH1H471J	CHIP C 470PF J		CF2		*	L72-1028-05	CERAMIC FILTER	
C562			CK73GB1H473K	CHIP C 0.047UF K		CF3,4		*	L72-1027-05	CERAMIC FILTER	
C563			CC73GCH1H471J	CHIP C 470PF J		CF5,6		*	L72-1028-05	CERAMIC FILTER	
C564			CK73GB1H103K	CHIP C 0.010UF K		CF7		*	L72-1027-05	CERAMIC FILTER	
C565			CC73GCH1H471J	CHIP C 470PF J		L2			L34-4616-05	AIR-CORE COIL	
C566			CK73GB1H473K	CHIP C 0.047UF K		L5			L34-4604-05	AIR-CORE COIL	
C567			CE32CL1V100M	CHIP EL 10UF 35WV		L8,9			L41-1075-33	SMALL FIXED INDUCTOR (0.01UH)	
C568			CC73GCH1H470J	CHIP C 47PF J		L10			L41-6885-33	SMALL FIXED INDUCTOR (0.68UH)	
C569			CC73GCH1H471J	CHIP C 470PF J		L11			L41-1295-33	SMALL FIXED INDUCTOR (1.2UH)	
C570			CC73GCH1H470J	CHIP C 47PF J		L12			L34-4605-05	AIR-CORE COIL	
C571			C92-0904-05	OS-CON 22UF 35WV		L13			L41-1295-33	SMALL FIXED INDUCTOR (1.2UH)	
C572,573			CK73GB1H103K	CHIP C 0.010UF K		L14			L41-1805-33	SMALL FIXED INDUCTOR (18UH)	
C574-576			CK73GB1H104K	CHIP C 0.10UF K		L16			L41-2705-33	SMALL FIXED INDUCTOR (27UH)	
C577			CK73GB1H103K	CHIP C 0.010UF K		L17,18			L41-1095-33	SMALL FIXED INDUCTOR (1.0UH)	K
C578			CC73GCH1H151J	CHIP C 150PF J		L17,18			L41-1098-40	SMALL FIXED INDUCTOR (1000NH)	K2
C579			CC73GCH1H560J	CHIP C 56PF J		L20			L41-1295-33	SMALL FIXED INDUCTOR (1.2UH)	
C580-582			CK73GB1H103K	CHIP C 0.010UF K		L21,22			L41-1095-33	SMALL FIXED INDUCTOR (1.0UH)	K
C583			CK73GB1H102K	CHIP C 1000PF K		L21,22			L41-1098-40	SMALL FIXED INDUCTOR (1000NH)	K2
C584			CK73GB1H103K	CHIP C 0.010UF K		L23			L41-1295-33	SMALL FIXED INDUCTOR (1.2UH)	
C585			CC73GCH1H470J	CHIP C 47PF J		L26			L41-1095-33	SMALL FIXED INDUCTOR (1.0UH)	
C586			CC73GCH1H471J	CHIP C 470PF J		L27			L41-1098-40	SMALL FIXED INDUCTOR (1000NH)	
C587-590			CK73FB1E474K	CHIP C 0.47UF K		L28			L34-4524-05	AIR-CORE COIL	
C591			CK73GB1H102K	CHIP C 1000PF K		L29			L41-1098-40	SMALL FIXED INDUCTOR (1000NH)	
C618			CC73GCH1H101J	CHIP C 100PF J		L30			L34-4524-05	AIR-CORE COIL	
C619			CK73GB1H104K	CHIP C 0.10UF K		L31			L41-1575-33	SMALL FIXED INDUCTOR (0.015UH)	
C620			CK73GB1H102K	CHIP C 1000PF K		L32			L41-8275-33	SMALL FIXED INDUCTOR (0.082UH)	
C621,622			CK73GB1H104K	CHIP C 0.10UF K		L33			L41-2785-33	SMALL FIXED INDUCTOR (0.27UH)	
C624			CC73GCH1H101J	CHIP C 100PF J		L34			L41-1205-33	SMALL FIXED INDUCTOR (12UH)	
C625			CE32BM1E470M	CHIP EL 47UF 25WV		L35			L41-3395-33	SMALL FIXED INDUCTOR (3.3UH)	
C626			CS77BA1E010M	CHIP TNL 1.0UF 25WV							
C628			CK73GB1H104K	CHIP C 0.10UF K							

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Ref. No.	Address	New parts	Parts No.	Description	Destination	Ref. No.	Address	New parts	Parts No.	Description	Destination
L36			L41-1575-33	SMALL FIXED INDUCTOR (0.015UH)	K	L115			L41-8275-33	SMALL FIXED INDUCTOR (0.082UH)	
L37			L41-1205-33	SMALL FIXED INDUCTOR (12UH)		L116,117			L41-1585-33	SMALL FIXED INDUCTOR (0.15UH)	
L38			L41-1095-33	SMALL FIXED INDUCTOR (1.0UH)		L118			L41-6875-33	SMALL FIXED INDUCTOR (0.068UH)	
L39			L41-1575-33	SMALL FIXED INDUCTOR (0.015UH)		L119			L41-2285-33	SMALL FIXED INDUCTOR (0.22UH)	
L40,41			L41-1095-33	SMALL FIXED INDUCTOR (1.0UH)		L120			L41-8295-33	SMALL FIXED INDUCTOR (8.2UH)	
L40,41			L41-1098-40	SMALL FIXED INDUCTOR (1000NH)	K2	L121			L41-1595-33	SMALL FIXED INDUCTOR (1.5UH)	
L42			L41-1575-33	SMALL FIXED INDUCTOR (0.015UH)		L122			L41-1585-33	SMALL FIXED INDUCTOR (0.15UH)	
L43,44			L41-3395-33	SMALL FIXED INDUCTOR (3.3UH)		L123			L41-3395-33	SMALL FIXED INDUCTOR (3.3UH)	
L45			L41-1575-33	SMALL FIXED INDUCTOR (0.015UH)		L124-126			L41-1585-33	SMALL FIXED INDUCTOR (0.15UH)	
L46,47			L34-4749-05	COIL		L127			L41-8295-33	SMALL FIXED INDUCTOR (8.2UH)	
L48			L41-1095-33	SMALL FIXED INDUCTOR (1.0UH)		L128			L34-4725-05	COIL	
L49			L41-2705-33	SMALL FIXED INDUCTOR (27UH)		L129,130			L41-1005-33	SMALL FIXED INDUCTOR (10UH)	
L50			L41-2275-33	SMALL FIXED INDUCTOR (0.022UH)		L131			L41-1585-33	SMALL FIXED INDUCTOR (0.15UH)	
L51			L92-0140-05	CHIP FERRITE		L131			L41-5685-33	SMALL FIXED INDUCTOR (0.56UH)	
L52,53			L34-4749-05	COIL		L132-135			L79-1849-05	HELICAL BLOCK	
L54			L41-1075-33	SMALL FIXED INDUCTOR (0.01UH)		L132-135			L79-1852-05	HELICAL BLOCK	K2
L55			L41-1575-33	SMALL FIXED INDUCTOR (0.015UH)		L136,137			L41-3985-33	SMALL FIXED INDUCTOR (0.39UH)	
L56			L41-8295-33	SMALL FIXED INDUCTOR (8.2UH)		XF1			L71-0646-15	MCF (49.95MHZ WIDE)	
L57			L41-1075-33	SMALL FIXED INDUCTOR (0.01UH)		XF2			L71-0645-15	MCF (49.95MHZ NARROW)	
L58,59			L41-1885-33	SMALL FIXED INDUCTOR (0.18UH)		XF3			L71-0648-05	MCF (49.95MHZ WIDE)	
L60,61			L41-2275-33	SMALL FIXED INDUCTOR (0.022UH)		XF4			L71-0647-05	MCF (49.95MHZ NARROW)	
L62			L41-1075-33	SMALL FIXED INDUCTOR (0.01UH)		R1			RK73GB2A332J	CHIP R 3.3K J 1/10W	
L66,67			L41-8275-33	SMALL FIXED INDUCTOR (0.082UH)		R2			RK73GB2A182J	CHIP R 1.8K J 1/10W	
L68			L41-8295-33	SMALL FIXED INDUCTOR (8.2UH)		R4			RK73FB2B121J	CHIP R 120 J 1/8W	
L69			L41-1595-33	SMALL FIXED INDUCTOR (1.5UH)		R8			RK73GB2A100J	CHIP R 10 J 1/10W	
L70			L41-3985-33	SMALL FIXED INDUCTOR (0.39UH)		R8			RK73GB2A4R7J	CHIP R 4.7 J 1/10W	K K2
L71			L41-1595-33	SMALL FIXED INDUCTOR (1.5UH)		R9			RK73GB2A332J	CHIP R 3.3K J 1/10W	
L72			L41-3985-33	SMALL FIXED INDUCTOR (0.39UH)		R10			RK73GB2A103J	CHIP R 10K J 1/10W	
L73			L41-2285-33	SMALL FIXED INDUCTOR (0.22UH)		R11			RK73GB2A681J	CHIP R 680 J 1/10W	
L74,75			L34-4748-05	COIL		R12			RK73GB2A102J	CHIP R 1.0K J 1/10W	
L76			L41-1075-33	SMALL FIXED INDUCTOR (0.01UH)		R13			RK73GB2A682J	CHIP R 6.8K J 1/10W	
L77			L92-0140-05	CHIP FERRITE		R14			RK73FB2B100J	CHIP R 10 J 1/8W	
L78			L41-1005-33	SMALL FIXED INDUCTOR (10UH)		R15,16			RK73GB2A000J	CHIP R 0.0 J 1/10W	
L79			L41-1095-33	SMALL FIXED INDUCTOR (1.0UH)		R17			RK73GB2A181J	CHIP R 180 J 1/10W	
L80			L41-1575-33	SMALL FIXED INDUCTOR (0.015UH)		R19,20			RK73GB2A104J	CHIP R 100K J 1/10W	
L81			L41-8285-33	SMALL FIXED INDUCTOR (0.82UH)		R21			RK73GB2A684J	CHIP R 680K J 1/10W	
L82			L41-1005-33	SMALL FIXED INDUCTOR (10UH)		R22			RK73GB2A474J	CHIP R 470K J 1/10W	
L83			L41-6895-33	SMALL FIXED INDUCTOR (6.8UH)		R23			RK73GB2A000J	CHIP R 0.0 J 1/10W	
L86			L41-1585-33	SMALL FIXED INDUCTOR (0.15UH)		R24			RK73GB2A100J	CHIP R 10 J 1/10W	
L87			L41-1005-33	SMALL FIXED INDUCTOR (10UH)		R26,27			RK73GB2A000J	CHIP R 0.0 J 1/10W	
L88			L41-8295-33	SMALL FIXED INDUCTOR (8.2UH)		R28			RK73GB2A100J	CHIP R 10 J 1/10W	
L89			L41-3985-33	SMALL FIXED INDUCTOR (0.39UH)		R29			RK73GB2A152J	CHIP R 1.5K J 1/10W	
L90,91			L34-4748-05	COIL		R30			RK73GB2A684J	CHIP R 680K J 1/10W	
L92			L41-1075-33	SMALL FIXED INDUCTOR (0.01UH)		R31			RK73GB2A271J	CHIP R 270 J 1/10W	
L93			L41-1085-33	SMALL FIXED INDUCTOR (0.1UH)		R31			RK73GB2A471J	CHIP R 470 J 1/10W	
L94,95			L39-1476-05	TOROIDAL COIL		R32			RK73GB2A104J	CHIP R 100K J 1/10W	K K2
L96			L41-3985-33	SMALL FIXED INDUCTOR (0.39UH)		R33			RK73GB2A102J	CHIP R 1.0K J 1/10W	
L97			L41-1005-33	SMALL FIXED INDUCTOR (10UH)		R34			RK73GB2A471J	CHIP R 470 J 1/10W	
L98,99			L41-1895-33	SMALL FIXED INDUCTOR (1.8UH)		R36			RK73GB2A103J	CHIP R 10K J 1/10W	
L100			L41-3985-33	SMALL FIXED INDUCTOR (0.39UH)		R37			RK73GB2A123J	CHIP R 12K J 1/10W	
L101			L41-1595-33	SMALL FIXED INDUCTOR (1.5UH)		R38			RK73GB2A101J	CHIP R 100 J 1/10W	
L102			L41-1005-33	SMALL FIXED INDUCTOR (10UH)		R39			RK73GB2A000J	CHIP R 0.0 J 1/10W	
L103			L41-3985-33	SMALL FIXED INDUCTOR (0.39UH)		R40			RK73GB2A102J	CHIP R 1.0K J 1/10W	
L106			L41-1585-33	SMALL FIXED INDUCTOR (0.15UH)		R42-44			RK73GB2A000J	CHIP R 0.0 J 1/10W	
L107			L41-6895-33	SMALL FIXED INDUCTOR (6.8UH)		R45			RK73GB2A471J	CHIP R 470 J 1/10W	
L108,109			L41-4775-33	SMALL FIXED INDUCTOR (0.047UH)		R46			RK73GB2A330J	CHIP R 33 J 1/10W	
L110			L41-1585-33	SMALL FIXED INDUCTOR (0.15UH)		R48			RK73FB2B271J	CHIP R 270 J 1/8W	
L111			L41-1595-33	SMALL FIXED INDUCTOR (1.5UH)		R50			RK73FB2B180J	CHIP R 18 J 1/8W	
L112,113			L39-1476-05	TOROIDAL COIL		R52			RK73GB2A100J	CHIP R 10 J 1/10W	
L114			L41-6875-33	SMALL FIXED INDUCTOR (0.068UH)							

PARTS LIST

RX UNIT (X55-3100-XX)

Ref. No.	Address	New parts	Parts No.	Description	Destination	Ref. No.	Address	New parts	Parts No.	Description	Destination
R53,54			RK73GB2A000J	CHIP R 0.0 J 1/10W	K2	R135,136			RK73GB2A332J	CHIP R 3.3K J 1/10W	
R55			RK73FB2B271J	CHIP R 270 J 1/8W		R137			RK73GB2A101J	CHIP R 100 J 1/10W	
R56			RK73GB2A100J	CHIP R 10 J 1/10W		R138,139			RK73GB2A682J	CHIP R 6.8K J 1/10W	
R57			RK73GB2A470J	CHIP R 47 J 1/10W		R140,141			RK73GB2A181J	CHIP R 180 J 1/10W	
R60			RK73GB2A100J	CHIP R 10 J 1/10W		R142			RK73FB2B100J	CHIP R 10 J 1/8W	
R61			RK73GB2A470J	CHIP R 47 J 1/10W	K2 K	R145			RK73GB2A100J	CHIP R 10 J 1/10W	
R62,63			RK73GB2A102J	CHIP R 1.0K J 1/10W		R146			RK73GB2A101J	CHIP R 100 J 1/10W	
R64			RK73GB2A000J	CHIP R 0.0 J 1/10W		R147			RK73GB2A271J	CHIP R 270 J 1/10W	
R65			RK73GB2A103J	CHIP R 10K J 1/10W		R149			RK73GB2A821J	CHIP R 820 J 1/10W	
R65			RK73GB2A822J	CHIP R 8.2K J 1/10W		R150			RK73FB2B101J	CHIP R 100 J 1/8W	
R66,67			RK73FB2B331J	CHIP R 330 J 1/8W	K2 K	R151			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R68			RK73GB2A392J	CHIP R 3.9K J 1/10W		R152			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R69-71			RK73GB2A102J	CHIP R 1.0K J 1/10W		R153			RK73GB2A101J	CHIP R 100 J 1/10W	
R72			RK73GB2A2R2J	CHIP R 2.2 J 1/10W		R154			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R73			RK73GB2A104J	CHIP R 100K J 1/10W		R155			RK73GB2A332J	CHIP R 3.3K J 1/10W	
R75,76			RK73GB2A103J	CHIP R 10K J 1/10W	K2 K	R156			RK73GB2A680J	CHIP R 68 J 1/10W	
R77,78			RK73FB2B151J	CHIP R 150 J 1/8W		R157			RK73GB2A151J	CHIP R 150 J 1/10W	
R77,78			RK73FB2B470J	CHIP R 47 J 1/8W		R158			RK73GB2A101J	CHIP R 100 J 1/10W	
R79			RK73GB2A100J	CHIP R 10 J 1/10W		R159			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R80			RK73GB2A271J	CHIP R 270 J 1/10W		R160			RK73GB2A3R3J	CHIP R 3.3 J 1/10W	
R81			RK73FB2B000J	CHIP R 0.0 J 1/8W		R161			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R82			RK73GB2A102J	CHIP R 1.0K J 1/10W		R164			RK73GB2A104J	CHIP R 100K J 1/10W	
R83,84			RK73GB2A472J	CHIP R 4.7K J 1/10W		R165,166			RK73GB2A273J	CHIP R 27K J 1/10W	
R85			RK73GB2A333J	CHIP R 33K J 1/10W		R167			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R86			RK73GB2A104J	CHIP R 100K J 1/10W		R169			RK73GB2A103J	CHIP R 10K J 1/10W	
R88			RK73GB2A103J	CHIP R 10K J 1/10W		R171			RK73GB2A103J	CHIP R 10K J 1/10W	
R89			RK73GB2A100J	CHIP R 10 J 1/10W		R172			RK73GB2A100J	CHIP R 10 J 1/10W	
R90			RK73GB2A330J	CHIP R 33 J 1/10W		R173			RK73GB2A271J	CHIP R 270 J 1/10W	
R91			RK73GB2A331J	CHIP R 330 J 1/10W		R174,175			RK73GB2A153J	CHIP R 15K J 1/10W	
R92			RK73GB2A104J	CHIP R 100K J 1/10W		R176			RK73GB2A100J	CHIP R 10 J 1/10W	
R93			RK73GB2A105J	CHIP R 1.0M J 1/10W		R177			RK73GB2A470J	CHIP R 47 J 1/10W	
R94			RK73GB2A332J	CHIP R 3.3K J 1/10W		R178,179			RK73GB2A103J	CHIP R 10K J 1/10W	
R95			RK73GB2A102J	CHIP R 1.0K J 1/10W		R180			RK73GB2A100J	CHIP R 10 J 1/10W	
R96			RK73GB2A100J	CHIP R 10 J 1/10W		R181			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R97			RK73GB2A101J	CHIP R 100 J 1/10W		R183			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R98,99			RK73GB2A331J	CHIP R 330 J 1/10W		R184			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R100			RK73GB2A000J	CHIP R 0.0 J 1/10W		R185			RK73GB2A100J	CHIP R 10 J 1/10W	
R101			RK73FB2B100J	CHIP R 10 J 1/8W		R186,187			RK73GB2A104J	CHIP R 100K J 1/10W	
R102			RK73GB2A101J	CHIP R 100 J 1/10W		R189,190			RK73FB2B101J	CHIP R 100 J 1/8W	
R103			RK73GB2A472J	CHIP R 4.7K J 1/10W		R191,192			RK73FB2B271J	CHIP R 270 J 1/8W	
R104,105			RK73GB2A123J	CHIP R 12K J 1/10W		R193			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R106			RK73GB2A105J	CHIP R 1.0M J 1/10W		R194			RK73GB2A472J	CHIP R 4.7K J 1/10W	
R107,108			RK73GB2A103J	CHIP R 10K J 1/10W		R195			RK73GB2A181J	CHIP R 180 J 1/10W	
R110			RK73GB2A222J	CHIP R 2.2K J 1/10W		R196,197			RK73FB2B100J	CHIP R 10 J 1/8W	
R112			RK73GB2A102J	CHIP R 1.0K J 1/10W		R198,199			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R114			RK73GB2A102J	CHIP R 1.0K J 1/10W		R200			RK73GB2A682J	CHIP R 6.8K J 1/10W	
R115			RK73FB2B220J	CHIP R 22 J 1/8W		R201			RK73GB2A330J	CHIP R 33 J 1/10W	
R116			RK73GB2A101J	CHIP R 100 J 1/10W		R202			RK73GB2A2R2J	CHIP R 2.2 J 1/10W	
R117,118			RK73FB2B220J	CHIP R 22 J 1/8W		R203			RK73GB2A104J	CHIP R 100K J 1/10W	
R119,120			RK73GB2A103J	CHIP R 10K J 1/10W		R204			RK73GB2A332J	CHIP R 3.3K J 1/10W	
R122			RK73GB2A101J	CHIP R 100 J 1/10W		R205			RK73GB2A682J	CHIP R 6.8K J 1/10W	
R123			RK73GB2A153J	CHIP R 15K J 1/10W		R206			RK73GB2A152J	CHIP R 1.5K J 1/10W	
R124			RK73GB2A392J	CHIP R 3.9K J 1/10W		R207,208			RK73GB2A470J	CHIP R 47 J 1/10W	
R125			RK73GB2A102J	CHIP R 1.0K J 1/10W		R209			RK73GB2A101J	CHIP R 100 J 1/10W	
R128			RK73GB2A101J	CHIP R 100 J 1/10W		R210			RK73GB2A100J	CHIP R 10 J 1/10W	
R129			RK73GB2A102J	CHIP R 1.0K J 1/10W		R211			RK73GB2A104J	CHIP R 100K J 1/10W	
R130,131			RK73FB2B100J	CHIP R 10 J 1/8W		R212			RK73GB2A100J	CHIP R 10 J 1/10W	
R132			RK73GB2A102J	CHIP R 1.0K J 1/10W		R213,214			RK73GB2A563J	CHIP R 56K J 1/10W	
R133			RK73GB2A123J	CHIP R 12K J 1/10W		R215			RK73GB2A181J	CHIP R 180 J 1/10W	
R134			RK73GB2A104J	CHIP R 100K J 1/10W		R217			RK73GB2A104J	CHIP R 100K J 1/10W	

PARTS LIST

RX UNIT (X55-3100-XX)

Ref. No.	Address	New parts	Parts No.	Description	Desti-nation	Ref. No.	Address	New parts	Parts No.	Description	Desti-nation
R218,219			RK73GB2A180J	CHIP R 18 J 1/10W		R295			RK73GB2A104J	CHIP R 100K J 1/10W	
R220			RK73GB2A102J	CHIP R 1.0K J 1/10W		R296-298			RK73GB2A473J	CHIP R 47K J 1/10W	
R221,222			RK73GB2A471J	CHIP R 470 J 1/10W		R300			RK73GB2A103J	CHIP R 10K J 1/10W	
R223			RK73GB2A180J	CHIP R 18 J 1/10W		R306			RK73GB2A473J	CHIP R 47K J 1/10W	
R224			RK73GB2A100J	CHIP R 10 J 1/10W		R307-310			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R225			RK73GB2A180J	CHIP R 18 J 1/10W		R311			RK73GB2A474J	CHIP R 470K J 1/10W	
R226			RK73GB2A101J	CHIP R 100 J 1/10W	K2	R317-319			RK73GB2A100J	CHIP R 10 J 1/10W	
R226,227			RK73GB2A101J	CHIP R 100 J 1/10W	K	R321			RK73GB2A104J	CHIP R 100K J 1/10W	
R229			RK73GB2A101J	CHIP R 100 J 1/10W		R323			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R230			RK73GB2A100J	CHIP R 10 J 1/10W		R324,325			RK73GB2A104J	CHIP R 100K J 1/10W	
R231			RK73GB2A680J	CHIP R 68 J 1/10W		R326			RK73GB2A100J	CHIP R 10 J 1/10W	
R232			RK73GB2A100J	CHIP R 10 J 1/10W		R328			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R233			RK73GB2A000J	CHIP R 0.0 J 1/10W	K2	R330			RK73GB2A104J	CHIP R 100K J 1/10W	
R233			RK73GB2A680J	CHIP R 68 J 1/10W	K	R332			RK73GB2A101J	CHIP R 100 J 1/10W	
R234			RK73GB2A101J	CHIP R 100 J 1/10W	K2	R333			RK73GB2A104J	CHIP R 100K J 1/10W	
R234,235			RK73GB2A101J	CHIP R 100 J 1/10W	K	R334			RK73GB2A101J	CHIP R 100 J 1/10W	
R236,237			RK73GB2A180J	CHIP R 18 J 1/10W		R335			RK73GB2A104J	CHIP R 100K J 1/10W	
R238			RK73GB2A181J	CHIP R 180 J 1/10W		R337			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R239			RK73GB2A100J	CHIP R 10 J 1/10W		R338			RK73GB2A472J	CHIP R 4.7K J 1/10W	
R240			RK73GB2A471J	CHIP R 470 J 1/10W		R340-342			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R241			RK73GB2A103J	CHIP R 10K J 1/10W		R343			RK73GB2A104J	CHIP R 100K J 1/10W	
R242,243			RK73GB2A470J	CHIP R 47 J 1/10W		R344			RK73GB2A473J	CHIP R 47K J 1/10W	
R244			RK73GB2A682J	CHIP R 6.8K J 1/10W		R345,346			RK73GB2A472J	CHIP R 4.7K J 1/10W	
R245			RK73GB2A473J	CHIP R 47K J 1/10W		R347,348			RK73GB2A101J	CHIP R 100 J 1/10W	
R248			RK73GB2A332J	CHIP R 3.3K J 1/10W		R349			RK73GB2A470J	CHIP R 47 J 1/10W	
R249			RK73GB2A222J	CHIP R 2.2K J 1/10W		R350,351			RK73GB2A221J	CHIP R 220 J 1/10W	
R250			RK73GB2A103J	CHIP R 10K J 1/10W		R352			RK73GB2A473J	CHIP R 47K J 1/10W	
R254,255			RK73GB2A000J	CHIP R 0.0 J 1/10W		R353			RK73GB2A470J	CHIP R 47 J 1/10W	
R256			RK73GB2A152J	CHIP R 1.5K J 1/10W		R357			RK73GB2A471J	CHIP R 470 J 1/10W	
R257,258			RK73GB2A000J	CHIP R 0.0 J 1/10W		R358			RK73GB2A100J	CHIP R 10 J 1/10W	
R259			RK73GB2A222J	CHIP R 2.2K J 1/10W		R359			RK73GB2A221J	CHIP R 220 J 1/10W	
R260			RK73GB2A103J	CHIP R 10K J 1/10W		R360			RK73GB2A682J	CHIP R 6.8K J 1/10W	
R261			RK73GB2A123J	CHIP R 12K J 1/10W		R361			RK73GB2A332J	CHIP R 3.3K J 1/10W	
R262			RK73GB2A472J	CHIP R 4.7K J 1/10W		R362			RK73GB2A101J	CHIP R 100 J 1/10W	K2
R263			RK73GB2A183J	CHIP R 18K J 1/10W		R362			RK73GB2A181J	CHIP R 180 J 1/10W	K
R264			RK73GB2A152J	CHIP R 1.5K J 1/10W		R363			RK73GB2A100J	CHIP R 10 J 1/10W	
R265			RK73GB2A181J	CHIP R 180 J 1/10W		R364			RK73GB2A470J	CHIP R 47 J 1/10W	
R266			RK73GB2A332J	CHIP R 3.3K J 1/10W		R366,367			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R267			RK73GB2A103J	CHIP R 10K J 1/10W		R368-370			RK73GB2A103J	CHIP R 10K J 1/10W	
R268			RK73GB2A154J	CHIP R 150K J 1/10W		R371,372			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R269			RK73GB2A470J	CHIP R 47 J 1/10W		R373			RK73GB2A103J	CHIP R 10K J 1/10W	
R270,271			RK73GB2A103J	CHIP R 10K J 1/10W		R375,376			RK73GB2A105J	CHIP R 1.0M J 1/10W	
R272			RK73GB2A104J	CHIP R 100K J 1/10W		R377			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R273			RK73GB2A152J	CHIP R 1.5K J 1/10W		R379			RK73GB2A101J	CHIP R 100 J 1/10W	
R274			RK73GB2A103J	CHIP R 10K J 1/10W		R380			RK73GB2A104J	CHIP R 100K J 1/10W	
R275			RK73GB2A223J	CHIP R 22K J 1/10W		R381			RK73GB2A223J	CHIP R 22K J 1/10W	
R276			RK73GB2A183J	CHIP R 18K J 1/10W		R382-384			RK73GB2A104J	CHIP R 100K J 1/10W	
R277			RK73GB2A103J	CHIP R 10K J 1/10W		R385			RK73GB2A101J	CHIP R 100 J 1/10W	
R278,279			RK73GB2A152J	CHIP R 1.5K J 1/10W		R388			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R280,281			RK73GB2A103J	CHIP R 10K J 1/10W		R390			RK73GB2A471J	CHIP R 470 J 1/10W	
R284			RK73GB2A471J	CHIP R 470 J 1/10W		R391,392			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R285			RK73GB2A334J	CHIP R 330K J 1/10W		R393			RK73GB2A103J	CHIP R 10K J 1/10W	
R286			RK73GB2A103J	CHIP R 10K J 1/10W		R394			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R287			RK73GB2A273J	CHIP R 27K J 1/10W		R396			RK73GB2A101J	CHIP R 100 J 1/10W	
R288			RK73GB2A560J	CHIP R 56 J 1/10W		R400,401			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R290			RK73GB2A332J	CHIP R 3.3K J 1/10W		R403			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R291			RK73GB2A122J	CHIP R 1.2K J 1/10W		R405			RK73GB2A153J	CHIP R 15K J 1/10W	
R292			RK73GB2A000J	CHIP R 0.0 J 1/10W		R406			RK73GB2A682J	CHIP R 6.8K J 1/10W	
R293			RK73GB2A183J	CHIP R 18K J 1/10W		R407			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R294			RK73GB2A273J	CHIP R 27K J 1/10W		R410			RK73GB2A000J	CHIP R 0.0 J 1/10W	

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RX UNIT (X55-3100-XX)

TX UNIT (X56-3120-XX)

Ref. No.	Address	New parts	Parts No.	Description	Destination
R417 R430,431 R432 R435 R436			RK73GB2A000J RK73GB2A331J RK73GB2A103J RK73GB2A473J RK73GB2A392J	CHIP R 0.0 J 1/10W CHIP R 330 J 1/10W CHIP R 10K J 1/10W CHIP R 47K J 1/10W CHIP R 3.9K J 1/10W	K
R436 R437 R438 R450 R451			RK73GB2A472J RK73GB2A183J RK73GB2A273J RK73GB2A000J RK73GB2A000J	CHIP R 4.7K J 1/10W CHIP R 18K J 1/10W CHIP R 27K J 1/10W CHIP R 0.0 J 1/10W CHIP R 0.0 J 1/10W	K2 K K2
R455 R456,457			RK73GB2A104J RK73GB2A470J	CHIP R 100K J 1/10W CHIP R 47 J 1/10W	K2
D1,2 D3-6 D9,10 D11 D12			HSC119 1SV283F JDP4P02U KV1470-G 1SV283F	DIODE VARIABLE CAPACITANCE DIODE DIODE VARIABLE CAPACITANCE DIODE VARIABLE CAPACITANCE DIODE	
D13,14 D15,16 D17,18 D19,20 IC4			JDP4P02U DAN235E MA3J742 DAN235E TA75S01F-F	DIODE DIODE DIODE DIODE MOS-IC	
IC5 IC6 IC7 IC8 IC9		*	ADF4111BCP7 LMC7101BIM5 AD9835BRUZ NJU6368PF1 UPB1509GV	MOS-IC MOS-IC MOS-IC MOS-IC BI-POLAR IC	
IC10 IC11 IC12 IC13 IC14			TK11230CMCL-G ADF4111BCP7 TA31137FNG AD607Z AD8051ART	BI-POLAR IC MOS-IC MOS-IC BI-POLAR IC ANALOGUE IC	
IC15,16 IC17-19 IC20 IC22 IC23			NJM78L05UA-ZB NJM78M05DL1AZB NJM4558E-ZB XC6204B332M BH2220FVM	BI-POLAR IC ANALOGUE IC ANALOGUE IC MOS-IC ANALOGUE IC	
IC24,25 IC26,27 IC28 IC29 IC30	2D		NJM7808FA-ZB NJM2386ADL3-09 AD1582 NJM2732V AD7908BRU	BI-POLAR IC ANALOGUE IC ANALOGUE IC BI-POLAR IC MOS-IC	
IC31 IC32 IC33 IC35 Q1			S24CS02AFJTBG NJM2732V LMC7101BIM5 LM50BIM3/NOPB 2SC5337	ROM IC BI-POLAR IC MOS-IC MOS-IC TRANSISTOR	
Q2 Q3 Q4 Q5 Q6			2SC4116(BL)F 2SC4617(R) 2SC4116(BL)F 2SC4617(R) 2SC4116(BL)F	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR	
Q7,8 Q9-11 Q12 Q13 Q14,15		*	2SK508NV(K53) 2SC4116(BL)F 2SC4617(R) 2SA1832F SSM3K15TE(F)	FET TRANSISTOR TRANSISTOR TRANSISTOR FET	
Q16,17 Q18-20			2SC3356-A(R24) RD01MUS1-T113	TRANSISTOR FET	

Ref. No.	Address	New parts	Parts No.	Description	Destination
Q21 Q22 Q23 Q24 Q25			2SC4725 2SC4617(R) 2SC3356-A(R24) 2SK508NV(K52) SSM3J01F	TRANSISTOR TRANSISTOR TRANSISTOR FET FET	
Q26 Q27 Q28,29 Q30 Q31			SSM3K15TE(F) 2SC4116(BL)F 3SK317-E 2SC4617(R) SSM3K15TE(F)	FET TRANSISTOR FET TRANSISTOR FET	
Q32 Q33 Q34 Q35,36 Q37		*	SSM3J01F 2SC4725 2SA1832F 2SC4725 SSM3K15TE(F)	FET TRANSISTOR TRANSISTOR TRANSISTOR FET	
Q38 Q39 Q40 Q50,51 Q52			2SC4725 2SC4617(R) 2SC4617(S) SSM3K15TE(F) 2SJ484	TRANSISTOR TRANSISTOR TRANSISTOR FET FET	
Q53 Q56 Q57 Q58-61 TH2,3		*	2SC4725 SSM3K15TE(F) DTA144EE SSM3K15TE(F) 157-103-53007	TRANSISTOR FET DIGITAL TRANSISTOR FET THERMISTOR	K2
A1 -			W02-1940-05 212-1514-05	DBM INSULATING TUBE	
TX UNIT (X56-3120-XX) -10 : K -11 : K2					
D202 D301 D920-924 D925-932			B30-2230-05 B30-2230-05 B30-2265-05 B30-2171-05	LED (YG) LED (YG) LED (BR/PG) LED (D)	
C101 C101 C102 C103-105 C106,107			CS77CA1ER47M CS77CA1VR33M CK73GB1E105K CC73GCH1H471J CK73GB1H103K	CHIP TNTL 0.47UF 25WV CHIP TNTL 0.33UF 35WV CHIP C 1.0UF K CHIP C 470PF J CHIP C 0.010UF K	K K2
C108 C109 C110 C111,112 C113			CC73GCH1H471J CK73GB1H104K CC73GCH1H471J CK73GB1H104K CC73GCH1H471J	CHIP C 470PF J CHIP C 0.10UF K CHIP C 470PF J CHIP C 0.10UF K CHIP C 470PF J	
C114 C115-117 C120 C122 C123			CK73GB1H104K CC73GCH1H471J CK73GB1H103K CC73GCH1H471J CS77CA1VR22M	CHIP C 0.10UF K CHIP C 470PF J CHIP C 0.010UF K CHIP C 470PF J CHIP TNTL 0.22UF 35WV	
C124 C126 C132 C133 C134			CS77CC1C330M CC73GCH1H471J CC73GCH1H090B CC73GCH1H070D CC73GCH1H070B	CHIP TNTL 33UF 16WV CHIP C 470PF J CHIP C 9.0PF B CHIP C 7.0PF D CHIP C 7.0PF B	K2
C134 C135 C136 C136			CC73GCH1H090B CC73GCH1H471J CC73GCH1H060B CC73GCH1H070B	CHIP C 9.0PF B CHIP C 470PF J CHIP C 6.0PF B CHIP C 7.0PF B	K K2 K

PARTS LIST

TX UNIT (X56-3120-XX)

Ref. No.	Address	New parts	Parts No.	Description	Desti- nation	Ref. No.	Address	New parts	Parts No.	Description	Desti- nation
C137			CK73GB1H103K	CHIP C 0.010UF K		C207			CC73GCH1H070D	CHIP C 7.0PF D	
C138			CC73GCH1H0R5B	CHIP C 0.5PF B		C208,209			CC73GCH1H471J	CHIP C 470PF J	
C139			CC73GCH1H020B	CHIP C 2.0PF B		C210			CC73GCH1H050C	CHIP C 5.0PF C	K2
C140,141			CC73GCH1H471J	CHIP C 470PF J		C210,211			CC73GCH1H060D	CHIP C 6.0PF D	K
C142			CC73GCH1H070B	CHIP C 7.0PF B	K2	C211			CC73GCH1H040C	CHIP C 4.0PF C	K2
C142			CC73GCH1H090B	CHIP C 9.0PF B	K	C212-215			CC73GCH1H471J	CHIP C 470PF J	K
C143			CC73GCH1H080D	CHIP C 8.0PF D	K2	C212,213			CC73GCH1H471J	CHIP C 470PF J	K2
C143			CC73GCH1H100D	CHIP C 10PF D	K	C214			CC73GCH1H100D	CHIP C 10PF D	K2
C145			CC73GCH1H070B	CHIP C 7.0PF B	K2	C215			CC73GCH1H471J	CHIP C 470PF J	K2
C145			CC73GCH1H100C	CHIP C 10PF C	K	C216			CK73GB1H103K	CHIP C 0.010UF K	
C146			CC73GCH1H471J	CHIP C 470PF J		C217			CC73GCH1H100D	CHIP C 10PF D	K
C147			CC73GCH1H0R5B	CHIP C 0.5PF B		C217			CC73GCH1H471J	CHIP C 470PF J	K2
C148			CC73GCH1H120J	CHIP C 12PF J	K2	C218			CC73GCH1H120J	CHIP C 12PF J	K
C148			CC73GCH1H150J	CHIP C 15PF J	K	C218			CC73GCH1H180J	CHIP C 18PF J	K2
C149			CK73GB1H103K	CHIP C 0.010UF K		C219			CC73GCH1H471J	CHIP C 470PF J	
C151			CE32CL1V100M	CHIP EL 10UF 35WV		C220			CK73GB1H104K	CHIP C 0.10UF K	
C152			CC73GCH1H471J	CHIP C 470PF J		C221			CC73GCH1H0R5C	CHIP C 0.5PF C	K2
C153			CC73GCH1H080D	CHIP C 8.0PF D	K2	C221			CC73GCH1H030C	CHIP C 3.0PF C	K
C153			CC73GCH1H100D	CHIP C 10PF D	K	C223			CC73GCH1H471J	CHIP C 470PF J	
C154			CS77CC1C330M	CHIP TNTL 33UF 16WV		C224			CK73GB1H473K	CHIP C 0.047UF K	
C156,157			CC73GCH1H471J	CHIP C 470PF J		C225,226			CC73GCH1H471J	CHIP C 470PF J	
C158			CS77CC1C330M	CHIP TNTL 33UF 16WV		C227			CK73GB1H103K	CHIP C 0.010UF K	
C160			CC73GCH1H471J	CHIP C 470PF J		C228			CC73GCH1H471J	CHIP C 470PF J	
C161			CE32BM1E470M	CHIP EL 47UF 25WV		C230			CC73GCH1H471J	CHIP C 470PF J	
C162,163			CC73GCH1H471J	CHIP C 470PF J		C231			CK73GB1H103K	CHIP C 0.010UF K	
C164			CC73GCH1H070D	CHIP C 7.0PF D		C233			CC73GCH1H010C	CHIP C 1.0PF C	
C166			CC73GCH1H060D	CHIP C 6.0PF D		C234			CC73GCH1H471J	CHIP C 470PF J	
C167			CC73GCH1H070D	CHIP C 7.0PF D		C235			CK73GB1H103K	CHIP C 0.010UF K	
C168			CC73GCH1H030C	CHIP C 3.0PF C		C237			CC73GCH1H471J	CHIP C 470PF J	
C169,170			CC73GCH1H471J	CHIP C 470PF J		C240			CC73GCH1H221J	CHIP C 220PF J	
C171			CK73GB1H103K	CHIP C 0.010UF K		C241			CC73GCH1H820J	CHIP C 82PF J	
C172			CK73GB1H471K	CHIP C 470PF K		C242			CC73GCH1H330J	CHIP C 33PF J	
C173,174			CC73GCH1H471J	CHIP C 470PF J		C243,244			CC73GCH1H471J	CHIP C 470PF J	
C175			CC73GCH1H070D	CHIP C 7.0PF D		C245			CC73GCH1H470J	CHIP C 47PF J	
C176			CC73GCH1H471J	CHIP C 470PF J		C246,247			CC73GCH1H471J	CHIP C 470PF J	
C177-180			CK73GB1H104K	CHIP C 0.10UF K		C248			CC73GCH1H151J	CHIP C 150PF J	
C181			CC73GCH1H471J	CHIP C 470PF J		C249			CE32CL1V100M	CHIP EL 10UF 35WV	
C182			CC73GCH1H080D	CHIP C 8.0PF D		C250			CK73GB1H104K	CHIP C 0.10UF K	
C183			CC73GCH1H080B	CHIP C 8.0PF B	K2	C251,252			CK73GB1H103K	CHIP C 0.010UF K	
C183			CC73GCH1H100D	CHIP C 10PF D	K	C253			CE32CL1V100M	CHIP EL 10UF 35WV	
C186			CC73GCH1H100D	CHIP C 10PF D		C254			CK73GB1H104K	CHIP C 0.10UF K	
C187			C93-0912-05	CHIP C 100UF M		C255,256			CK73GB1H103K	CHIP C 0.010UF K	
C188			CC73GCH1H471J	CHIP C 470PF J		C257-260			CK73GB1H104K	CHIP C 0.10UF K	
C189			CC73GCH1H060B	CHIP C 6.0PF B	K2	C263			CC73GCH1H390J	CHIP C 39PF J	
C189			CC73GCH1H080B	CHIP C 8.0PF B	K	C265			CC73GCH1H680J	CHIP C 68PF J	
C190			CC73GCH1H0R5B	CHIP C 0.5PF B		C267			CC73GCH1H390J	CHIP C 39PF J	
C191			CC73GCH1H020B	CHIP C 2.0PF B		C269-272			CK73GB1H104K	CHIP C 0.10UF K	
C192			CC73GCH1H471J	CHIP C 470PF J		C275			CC73GCH1H471J	CHIP C 470PF J	
C193			CC73GCH1H070B	CHIP C 7.0PF B	K2	C276			CC73GCH1H271J	CHIP C 270PF J	
C193			CC73GCH1H090B	CHIP C 9.0PF B	K	C277			CC73GCH1H471J	CHIP C 470PF J	
C194			CC73GCH1H080B	CHIP C 8.0PF B	K2	C278			CC73GCH1H391J	CHIP C 390PF J	
C194			CC73GCH1H100C	CHIP C 10PF C	K	C279			CC73GCH1H471J	CHIP C 470PF J	
C195			CC73GCH1H0R5B	CHIP C 0.5PF B		C280			CC73GCH1H271J	CHIP C 270PF J	
C196-198			CC73GCH1H471J	CHIP C 470PF J		C281			CC73GCH1H471J	CHIP C 470PF J	
C201			CC73GCH1H471J	CHIP C 470PF J		C282-285			CK73GB1H104K	CHIP C 0.10UF K	
C202			CC73GCH1H060D	CHIP C 6.0PF D	K2	C286			CK73GB1H103K	CHIP C 0.010UF K	
C202			CC73GCH1H070D	CHIP C 7.0PF D	K	C287			CK73GB1H104K	CHIP C 0.10UF K	
C203,204			CC73GCH1H471J	CHIP C 470PF J		C301			CS77CA1C2R2M	CHIP TNTL 2.2UF 16WV	
C205			CK73GB1H103K	CHIP C 0.010UF K		C302			CC73GCH1H100D	CHIP C 10PF D	
C206			CC73GCH1H471J	CHIP C 470PF J		C303			CK73GB1H103K	CHIP C 0.010UF K	

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TX UNIT (X56-3120-XX)

Ref. No.	Address	New parts	Parts No.	Description	Destination	Ref. No.	Address	New parts	Parts No.	Description	Destination
C304			CC73GCH1H331J	CHIP C 330PF J		C379			CK73GB1H103K	CHIP C 0.010UF K	
C305			CC73GCH1H180J	CHIP C 18PF J		C381			CK73GB1H103K	CHIP C 0.010UF K	
C306			CK73FB0J106K	CHIP C 10UF K		C382			CC73GCH1H221J	CHIP C 220PF J	
C307			CK73GB1H104K	CHIP C 0.10UF K		C383			CC73GCH1H331J	CHIP C 330PF J	
C308			CC73GCH1H471J	CHIP C 470PF J		C384			CC73GCH1H181J	CHIP C 180PF J	
C309			CC73GCH1H331J	CHIP C 330PF J		C386			CE32CL1V100M	CHIP EL 10UF 35WV	
C310			CK73FB0J106K	CHIP C 10UF K		C387			CK73GB1H104K	CHIP C 0.10UF K	
C311			C93-0912-05	CHIP C 100UF M		C388			CC73GCH1H471J	CHIP C 470PF J	
C312			CK73GB1H103K	CHIP C 0.010UF K		C389			CK73GB1H102K	CHIP C 1000PF K	
C313			CC73GCH1H121J	CHIP C 120PF J		C390			CK73GB1H222K	CHIP C 2200PF K	
C314,315			CK73GB1H103K	CHIP C 0.010UF K		C391			C93-0912-05	CHIP C 100UF M	
C316			CC73GCH1H100D	CHIP C 10PF D		C392,393			CC73GCH1H100D	CHIP C 10PF D	
C317			CK73GB1H104K	CHIP C 0.10UF K		C401			CK73GB1H103K	CHIP C 0.010UF K	
C318			CE32BM1E470M	CHIP EL 47UF 25WV		C402,403			CK73GB1H104K	CHIP C 0.10UF K	
C319			CK73GB1H104K	CHIP C 0.10UF K		C404			CK73GB1H103K	CHIP C 0.010UF K	
C320			CK73GB1H103K	CHIP C 0.010UF K		C405			CC73GCH1H471J	CHIP C 470PF J	
C321			CC73GCH1H471J	CHIP C 470PF J		C406-412			CK73GB1H103K	CHIP C 0.010UF K	
C323-326			CK73GB1H103K	CHIP C 0.010UF K		C413			CC73GCH1H471J	CHIP C 470PF J	
C327			CC73GCH1H181J	CHIP C 180PF J		C414-416			CK73GB1H103K	CHIP C 0.010UF K	
C328,329			C93-0912-05	CHIP C 100UF M		C419			CK73FB0J106K	CHIP C 10UF K	
C330			CC73GCH1H470J	CHIP C 47PF J		C420			CK73GB1H103K	CHIP C 0.010UF K	
C331			CK73GB1H104K	CHIP C 0.10UF K		C422			CK73GB1H103K	CHIP C 0.010UF K	
C332			CC73GCH1H331J	CHIP C 330PF J		C423			CE32BM1E470M	CHIP EL 47UF 25WV	
C333			CS77CC1C100M	CHIP TNTL 10UF 16WV		C425			CC73GCH1H181J	CHIP C 180PF J	
C334			CK73GB1H103K	CHIP C 0.010UF K		C427			CC73GCH1H470J	CHIP C 47PF J	
C335			CK73GB1H102K	CHIP C 1000PF K		C429			CC73GCH1H331J	CHIP C 330PF J	
C336			CC73GCH1H180J	CHIP C 18PF J		C430			CC73GCH1H180J	CHIP C 18PF J	
C337			CK73GB1H103K	CHIP C 0.010UF K		C433			CC73GCH1H221J	CHIP C 220PF J	
C338			CS77CB21A470M	CHIP TNTL 47UF 10WV		C435			CK73GB1H104K	CHIP C 0.10UF K	
C339			CC73GCH1H221J	CHIP C 220PF J		C436			CS77BA1E010M	CHIP TNTL 1.0UF 25WV	
C340			CK73GB1H103K	CHIP C 0.010UF K		C437			CK73GB1H103K	CHIP C 0.010UF K	
C341			CK73GB1H104K	CHIP C 0.10UF K		C439-443			CK73GB1H103K	CHIP C 0.010UF K	
C342			CS77CB21A470M	CHIP TNTL 47UF 10WV		C445			CS77CA1V0R1M	CHIP TNTL 0.1UF 35WV	
C343,344			CK73GB1H103K	CHIP C 0.010UF K		C446			CK73FB1E473K	CHIP C 0.047UF K	
C345			CK73GB1H104K	CHIP C 0.10UF K		C447			CK73FB0J106K	CHIP C 10UF K	
C346,347			CK73GB1H103K	CHIP C 0.010UF K		C448			CK73GB1H104K	CHIP C 0.10UF K	
C348			CC73GCH1H221J	CHIP C 220PF J		C449			CK73GB1H103K	CHIP C 0.010UF K	
C349,350			CC73GCH1H100D	CHIP C 10PF D		C451			CK73GB1H104K	CHIP C 0.10UF K	
C351			CS77CC1C100M	CHIP TNTL 10UF 16WV		C452			CK73FB0J106K	CHIP C 10UF K	
C352			CC73GCH1H180J	CHIP C 18PF J		C453			CC73GCH1H181J	CHIP C 180PF J	
C353			CK73GB1H103K	CHIP C 0.010UF K		C454			CC73GCH1H470J	CHIP C 47PF J	
C354			CC73GCH1H331J	CHIP C 330PF J		C455			CK73GB1H103K	CHIP C 0.010UF K	
C355			CC73GCH1H470J	CHIP C 47PF J		C456			CC73GCH1H331J	CHIP C 330PF J	
C356			CK73GB1H103K	CHIP C 0.010UF K		C457			CC73GCH1H181J	CHIP C 180PF J	
C357			CC73GCH1H181J	CHIP C 180PF J		C458			CC73GCH1H470J	CHIP C 47PF J	
C358			CK73GB1H104K	CHIP C 0.10UF K		C459			CC73GCH1H180J	CHIP C 18PF J	
C359			CC73GCH1H100D	CHIP C 10PF D		C460			CC73GCH1H331J	CHIP C 330PF J	
C360			CK73GB1H103K	CHIP C 0.010UF K		C461			CC73GCH1H221J	CHIP C 220PF J	
C361			CK73GB1H104K	CHIP C 0.10UF K		C462			CC73GCH1H180J	CHIP C 18PF J	
C362			CC73GCH1H471J	CHIP C 470PF J		C463			CK73GB1H104K	CHIP C 0.10UF K	
C363,364			CK73GB1H103K	CHIP C 0.010UF K		C464,465			CK73GB1H103K	CHIP C 0.010UF K	
C365			CC73GCH1H471J	CHIP C 470PF J		C466			CC73GCH1H221J	CHIP C 220PF J	
C366			CC73GCH1H100D	CHIP C 10PF D		C467			CK73FB1C105K	CHIP C 1.0UF K	
C367			CK73GB1H103K	CHIP C 0.010UF K		C468,469			CK73GB1H103K	CHIP C 0.010UF K	
C369,370			CK73GB1H103K	CHIP C 0.010UF K		C470			CK73GB1H104K	CHIP C 0.10UF K	
C372			CC73GCH1H180J	CHIP C 18PF J		C471-482			CK73GB1H103K	CHIP C 0.010UF K	
C373			CC73GCH1H470J	CHIP C 47PF J		C483-486			CK73GB1H104K	CHIP C 0.10UF K	
C375			CK73GB1H103K	CHIP C 0.010UF K		C487			CK73GB1H103K	CHIP C 0.010UF K	
C376			CC73GCH1H471J	CHIP C 470PF J		C488-490			CK73GB1H104K	CHIP C 0.10UF K	
C378			CK73FB1C105K	CHIP C 1.0UF K		C491			CC73GCH1H470J	CHIP C 47PF J	

PARTS LIST

TX UNIT (X56-3120-XX)

Ref. No.	Address	New parts	Parts No.	Description	Destination	Ref. No.	Address	New parts	Parts No.	Description	Destination
C492-495			CK73GB1H104K	CHIP C 0.10UF K		C642			CC73GCH1H221J	CHIP C 220PF J	
C496			CC73GCH1H221J	CHIP C 220PF J		C643			CC73GCH1H471J	CHIP C 470PF J	
C497			CK73GB1H104K	CHIP C 0.10UF K		C645			CC73GCH1H471J	CHIP C 470PF J	
C498			CC73GCH1H121J	CHIP C 120PF J		C656,657			CK73GB1H103K	CHIP C 0.010UF K	
C499			CK73GB1H104K	CHIP C 0.10UF K		C658			CK73GB1H104K	CHIP C 0.10UF K	
C500			CC73GCH1H471J	CHIP C 470PF J		C659,660			CK73GB1H103K	CHIP C 0.010UF K	
C501,502			CK73GB1H104K	CHIP C 0.10UF K		C661			CK73FB0J106K	CHIP C 10UF K	
C503			CC73GCH1H470J	CHIP C 47PF J		C662,663			CK73GB1H104K	CHIP C 0.10UF K	
C504			CC73GCH1H010C	CHIP C 1.0PF C		C703			CK73GB1H104K	CHIP C 0.10UF K	
C505,506			CK73GB1H104K	CHIP C 0.10UF K		C704			CK73FB0J106K	CHIP C 10UF K	
C507,508			CC73GCH1H331J	CHIP C 330PF J		C707			CK73GB1H102K	CHIP C 1000PF K	
C509,510			CK73GB1H104K	CHIP C 0.10UF K		C708			CK73GB1H104K	CHIP C 0.10UF K	
C511			CC73GCH1H470J	CHIP C 47PF J		C709			CE32CL1V100M	CHIP EL 10UF 35WV	
C512			CC73GCH1H471J	CHIP C 470PF J		C710			CK73GB1H104K	CHIP C 0.10UF K	
C513			CC73GCH1H010C	CHIP C 1.0PF C		C711			CK73GB1H103K	CHIP C 0.010UF K	
C514			CC73GCH1H121J	CHIP C 120PF J		C712,713			CC73GCH1H471J	CHIP C 470PF J	
C515			CC73GCH1H030C	CHIP C 3.0PF C		C714			CK73GB1H103K	CHIP C 0.010UF K	
C516,517			CK73GB1H104K	CHIP C 0.10UF K		C715			CE32CL1V100M	CHIP EL 10UF 35WV	
C519			CK73GB1H104K	CHIP C 0.10UF K		C716			CK73GB1H103K	CHIP C 0.010UF K	
C520			CC73GCH1H221J	CHIP C 220PF J		C717,718			CC73GCH1H471J	CHIP C 470PF J	
C521-527			CK73GB1H104K	CHIP C 0.10UF K		C719			CK73GB1H103K	CHIP C 0.010UF K	
C529-532			CK73GB1H104K	CHIP C 0.10UF K		C720,721			CE32CL1V100M	CHIP EL 10UF 35WV	
C533			CC73GCH1H471J	CHIP C 470PF J		C722			CK73GB1H103K	CHIP C 0.010UF K	
C534-537			CK73GB1H104K	CHIP C 0.10UF K		C723,724			CC73GCH1H471J	CHIP C 470PF J	
C538			CC73GCH1H471J	CHIP C 470PF J		C725			CK73GB1H103K	CHIP C 0.010UF K	
C539			CK73GB1H104K	CHIP C 0.10UF K		C801-803			CK73GB1H104K	CHIP C 0.10UF K	
C541,542			CC73GCH1H100D	CHIP C 10PF D		C804			CC73GCH1H471J	CHIP C 470PF J	
C543-547			CK73GB1H104K	CHIP C 0.10UF K		C805			CK73GB1H104K	CHIP C 0.10UF K	
C548			CC73GCH1H471J	CHIP C 470PF J		C806			CE32CL1V100M	CHIP EL 10UF 35WV	
C549-552			CK73GB1H104K	CHIP C 0.10UF K		C807			CK73FB1C105K	CHIP C 1.0UF K	
C554-556			CK73GB1H104K	CHIP C 0.10UF K		C808,809			CK73GB1H104K	CHIP C 0.10UF K	
C557			CC73GCH1H030C	CHIP C 3.0PF C		C810			CC73GCH1H471J	CHIP C 470PF J	
C558,559			CK73GB1H104K	CHIP C 0.10UF K		C811			CK73GB1H104K	CHIP C 0.10UF K	
C562			CK73GB1H104K	CHIP C 0.10UF K		C812			CK73GB1H103K	CHIP C 0.010UF K	
C563			CC73GCH1H121J	CHIP C 120PF J		C813			CC73GCH1H471J	CHIP C 470PF J	
C564			CC73GCH1H470J	CHIP C 47PF J		C814			CK73GB1H104K	CHIP C 0.10UF K	
C565			CK73GB1H104K	CHIP C 0.10UF K		C816			CE32CL1V100M	CHIP EL 10UF 35WV	
C568			CC73GCH1H221J	CHIP C 220PF J		C817			CK73GB1H103K	CHIP C 0.010UF K	
C569			CC73GCH1H471J	CHIP C 470PF J		C818			CE32CL1V100M	CHIP EL 10UF 35WV	
C570			CC73GCH1H010C	CHIP C 1.0PF C		C819			CC73GCH1H471J	CHIP C 470PF J	
C571			CC73GCH1H331J	CHIP C 330PF J		C820,821			CK73GB1H104K	CHIP C 0.10UF K	
C573,574			CC73GCH1H331J	CHIP C 330PF J		C822			CK73GB1H103K	CHIP C 0.010UF K	
C575,576			CC73GCH1H180J	CHIP C 18PF J		C823,824			CC73GCH1H471J	CHIP C 470PF J	
C577,578			CC73GCH1H331J	CHIP C 330PF J		C825			CK73GB1H103K	CHIP C 0.010UF K	
C601-605			CK73GB1H104K	CHIP C 0.10UF K		C826			CC73GCH1H471J	CHIP C 470PF J	
C610			CK73GB1H104K	CHIP C 0.10UF K		C827			CK73GB1H103K	CHIP C 0.010UF K	
C612,613			CK73GB1H104K	CHIP C 0.10UF K		C848			C92-0904-05	OS-CON 22UF 35WV	
C614			CC73GCH1H100D	CHIP C 10PF D		C850			CK73GB1H103K	CHIP C 0.010UF K	
C616			CC73GCH1H270J	CHIP C 27PF J		C856			CE32AU1E100M	CHIP EL 10UF 25WV	
C619			CC73GCH1H100D	CHIP C 10PF D		C857			CK73GB1H103K	CHIP C 0.010UF K	
C620-623			CK73GB1H104K	CHIP C 0.10UF K		C858,859			CC73GCH1H471J	CHIP C 470PF J	
C624-627			CC73GCH1H560J	CHIP C 56PF J		C860			CK73GB1H103K	CHIP C 0.010UF K	
C628-631			CK73GB1H104K	CHIP C 0.10UF K		C885			CK73GB1H104K	CHIP C 0.10UF K	
C632-634			CK73GB1H103K	CHIP C 0.010UF K		C886			CC73GCH1H270J	CHIP C 27PF J	
C635,636			CK73GB1H104K	CHIP C 0.10UF K		C887			CC73GCH1H100D	CHIP C 10PF D	
C637			CK73GB1H103K	CHIP C 0.010UF K		C888			CC73GCH1H270J	CHIP C 27PF J	
C638			CC73GCH1H470J	CHIP C 47PF J		C889			CK73GB1H104K	CHIP C 0.10UF K	
C639			CC73GCH1H180J	CHIP C 18PF J		C890			CK73GB1E105K	CHIP C 1.0UF K	
C640			CC73GCH1H181J	CHIP C 180PF J		C894,895			CK73GB1H103K	CHIP C 0.010UF K	
C641			CC73GCH1H331J	CHIP C 330PF J		C896			CC73GCH1H100D	CHIP C 10PF D	

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Ref. No.	Address	New parts	Parts No.	Description	Destination	Ref. No.	Address	New parts	Parts No.	Description	Destination
C920-925			CK73GB1H104K	CHIP C 0.10UF K		L303			L41-1095-33	SMALL FIXED INDUCTOR (1.0UH)	
C926			CK73GB1H102K	CHIP C 1000PF K		L304			L41-1005-33	SMALL FIXED INDUCTOR (10UH)	
C928,929			CK73GB1H104K	CHIP C 0.10UF K		L305			L41-3385-33	SMALL FIXED INDUCTOR (0.33UH)	
C930,931			CK73GB1E105K	CHIP C 1.0UF K		L306			L41-1095-33	SMALL FIXED INDUCTOR (1.0UH)	
C932			CC73GCH1H470J	CHIP C 47PF J		L307,308			L41-3985-33	SMALL FIXED INDUCTOR (0.39UH)	
C933,934			CS77CA1A1R5M	CHIP TNTL 1.5UF 10WV		L309			L41-1095-33	SMALL FIXED INDUCTOR (1.0UH)	
C935,936			CK73GB1H104K	CHIP C 0.10UF K		L310			L41-3385-33	SMALL FIXED INDUCTOR (0.33UH)	
C937			CK73GB1H103K	CHIP C 0.010UF K		L311			L41-3985-33	SMALL FIXED INDUCTOR (0.39UH)	
C938			CK73FBQJ106K	CHIP C 10UF K		L312			L41-3385-33	SMALL FIXED INDUCTOR (0.33UH)	
C939			CK73GB1H102K	CHIP C 1000PF K		L313			L41-1095-33	SMALL FIXED INDUCTOR (1.0UH)	
C941			CK73GB1H102K	CHIP C 1000PF K		L314			L41-1005-33	SMALL FIXED INDUCTOR (10UH)	
C943			CK73GB1H104K	CHIP C 0.10UF K		L401-403			L41-1095-33	SMALL FIXED INDUCTOR (1.0UH)	
C960-965			CK73GB1H104K	CHIP C 0.10UF K		L404			L41-1005-33	SMALL FIXED INDUCTOR (10UH)	
CN102-121			E23-1280-05	TERMINAL		L405			L41-3385-33	SMALL FIXED INDUCTOR (0.33UH)	
CN130			E23-1330-05	TERMINAL		L406			L41-1005-33	SMALL FIXED INDUCTOR (10UH)	
CN403			E04-0193-05	PIN SOCKET		L407			L41-3985-33	SMALL FIXED INDUCTOR (0.39UH)	
CN405,406			E04-0193-05	PIN SOCKET		L408			L41-1095-33	SMALL FIXED INDUCTOR (1.0UH)	
CN407			E04-0154-05	PIN SOCKET		L409,410			L41-3385-33	SMALL FIXED INDUCTOR (0.33UH)	
CN408			E04-0193-05	PIN SOCKET		L411			L41-3985-33	SMALL FIXED INDUCTOR (0.39UH)	
CN801			E41-2672-05	PIN ASSY		L412			L41-1095-33	SMALL FIXED INDUCTOR (1.0UH)	
CN802			E04-0193-05	PIN SOCKET		L413			L41-3985-33	SMALL FIXED INDUCTOR (0.39UH)	
CN803			E40-6822-05	FLAT CABLE CONNECTOR		L414,415			L41-1095-33	SMALL FIXED INDUCTOR (1.0UH)	
CN804-806			E40-6656-05	PIN ASSY		L416,417			L41-1005-33	SMALL FIXED INDUCTOR (10UH)	
CN807			E41-2671-05	PIN ASSY		L418			L41-5685-33	SMALL FIXED INDUCTOR (0.56UH)	
CN920			E41-1493-05	PIN ASSY		L419,420			L41-6885-33	SMALL FIXED INDUCTOR (0.68UH)	
CN921			E40-6656-05	PIN ASSY		L421			L41-5685-33	SMALL FIXED INDUCTOR (0.56UH)	
CN923			E41-1483-05	PIN ASSY		L422			L39-1517-05	TOROIDAL COIL	
CN960			E41-1493-05	PIN ASSY		L423			L41-3305-33	SMALL FIXED INDUCTOR (33UH)	
E100			F10-3081-04	SHIELDING CASE		L424			L39-1517-05	TOROIDAL COIL	
CF201			L72-1029-05	CERAMIC FILTER		L425			L41-3305-33	SMALL FIXED INDUCTOR (33UH)	
CF601			L72-1019-05	CERAMIC FILTER		L426,427			L39-1517-05	TOROIDAL COIL	
L105,106			L41-1095-33	SMALL FIXED INDUCTOR (1.0UH)		L430			L41-5685-33	SMALL FIXED INDUCTOR (0.56UH)	
L108			L34-4545-05	AIR-CORE COIL		L431			L41-6885-33	SMALL FIXED INDUCTOR (0.68UH)	
L109-111			L41-1095-33	SMALL FIXED INDUCTOR (1.0UH)		L433,434			L41-3985-33	SMALL FIXED INDUCTOR (0.39UH)	
L112,113			L41-1875-33	SMALL FIXED INDUCTOR (0.018UH)		L435			L41-2205-33	SMALL FIXED INDUCTOR (22UH)	
L116-119			L41-1575-33	SMALL FIXED INDUCTOR (0.015UH)	K	L601,602			L41-3305-33	SMALL FIXED INDUCTOR (33UH)	
L116-120			L41-1575-33	SMALL FIXED INDUCTOR (0.015UH)	K2	L603,604			L41-4705-33	SMALL FIXED INDUCTOR (47UH)	
L120			L41-2275-33	SMALL FIXED INDUCTOR (0.022UH)	K	L605			L41-2205-33	SMALL FIXED INDUCTOR (22UH)	
L121-124			L41-1005-33	SMALL FIXED INDUCTOR (10UH)		L606,607			L41-1205-33	SMALL FIXED INDUCTOR (12UH)	
L125,126			L41-1095-33	SMALL FIXED INDUCTOR (1.0UH)		L608			L41-1005-33	SMALL FIXED INDUCTOR (10UH)	
L128			L34-4545-05	AIR-CORE COIL		L609			L92-0140-05	CHIP FERRITE	
L129-131			L41-1095-33	SMALL FIXED INDUCTOR (1.0UH)		L610			L41-1005-33	SMALL FIXED INDUCTOR (10UH)	
L201,202			L41-1275-33	SMALL FIXED INDUCTOR (0.012UH)	K2	L611			L92-0140-05	CHIP FERRITE	
L201,202			L41-1575-33	SMALL FIXED INDUCTOR (0.015UH)	K	L612			L41-3385-33	SMALL FIXED INDUCTOR (0.33UH)	
L203,204			L41-1075-33	SMALL FIXED INDUCTOR (0.01UH)	K2	L613			L41-3985-33	SMALL FIXED INDUCTOR (0.39UH)	
L203,204			L41-1275-33	SMALL FIXED INDUCTOR (0.012UH)	K	L614			L41-1005-33	SMALL FIXED INDUCTOR (10UH)	
L205			L34-4603-05	AIR-CORE COIL	K2	L801			L41-1095-33	SMALL FIXED INDUCTOR (1.0UH)	
L205			L34-4604-05	AIR-CORE COIL	K	L812			L41-1005-33	SMALL FIXED INDUCTOR (10UH)	
L207			L34-4607-05	AIR-CORE COIL		X301			L77-1981-05	VCXO (19.2MHZ)	
L208			L34-4606-05	AIR-CORE COIL		X401			L77-1981-05	VCXO (19.2MHZ)	
L210			L41-1595-33	SMALL FIXED INDUCTOR (1.5UH)		X601			L77-3034-05	TCXO (19.2MHZ)	
L211			L41-1895-33	SMALL FIXED INDUCTOR (1.8UH)		CP920			RK74GB1J102J	CHIP-COM 1.0K J 1/16W	
L212,213			L41-1005-33	SMALL FIXED INDUCTOR (10UH)		CP923			RK74GB1J102J	CHIP-COM 1.0K J 1/16W	
L214,215			L41-4705-33	SMALL FIXED INDUCTOR (47UH)		CP924			RK75GB1JR00	CHIP-COM 0.00 1/16W	
L216,217			L41-2295-33	SMALL FIXED INDUCTOR (2.2UH)		CP926			RK74GB1J681J	CHIP-COM 680 J 1/16W	
L218			L41-6885-33	SMALL FIXED INDUCTOR (0.68UH)		CP928			RK74GB1J681J	CHIP-COM 680 J 1/16W	
L219			L41-6895-33	SMALL FIXED INDUCTOR (6.8UH)		CP961,962			RK74GB1J681J	CHIP-COM 680 J 1/16W	
L301			L41-3985-33	SMALL FIXED INDUCTOR (0.39UH)		CP965,966			RK74GB1J681J	CHIP-COM 680 J 1/16W	
L302			L41-1005-33	SMALL FIXED INDUCTOR (10UH)		CP970,971			RK74GB1J681J	CHIP-COM 680 J 1/16W	

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Ref. No.	Address	New parts	Parts No.	Description	Desti- nation	Ref. No.	Address	New parts	Parts No.	Description	Desti- nation
CP973,974			RK74GB1J681J	CHIP-COM 680 J 1/16W		R208			RK73GB2A101J	CHIP R 100 J 1/10W	
R101			RK73GB2A000J	CHIP R 0.0 J 1/10W		R210			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R118			RK73GB2A000J	CHIP R 0.0 J 1/10W		R212			RK73GB2A562J	CHIP R 5.6K J 1/10W	
R119			RK73GB2A101J	CHIP R 100 J 1/10W	K2	R213			RK73GB2A152J	CHIP R 1.5K J 1/10W	
R119			RK73GB2A820J	CHIP R 82 J 1/10W	K	R215			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R120			RK73GB2A151J	CHIP R 150 J 1/10W		R216			RK73GB2A470J	CHIP R 47 J 1/10W	
R123			RK73GB2A000J	CHIP R 0.0 J 1/10W		R218			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R124,125			RK73GB2A105J	CHIP R 1.0M J 1/10W		R220			RK73GB2A392J	CHIP R 3.9K J 1/10W	
R129			RK73GB2A101J	CHIP R 100 J 1/10W		R221			RK73GB2A103J	CHIP R 10K J 1/10W	
R131			RK73GB2A101J	CHIP R 100 J 1/10W		R222			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R132			RK73GB2A181J	CHIP R 180 J 1/10W	K	R223			RK73GB2A123J	CHIP R 12K J 1/10W	
R132			RK73GB2A221J	CHIP R 220 J 1/10W	K2	R224			RK73GB2A221J	CHIP R 220 J 1/10W	
R133			RK73GB2A470J	CHIP R 47 J 1/10W		R225			RK73GB2A474J	CHIP R 470K J 1/10W	
R134			RK73GB2A220J	CHIP R 22 J 1/10W		R226			RK73GB2A220J	CHIP R 22 J 1/10W	
R135			RK73GB2A272J	CHIP R 2.7K J 1/10W		R227			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R137			RK73GB2A102J	CHIP R 1.0K J 1/10W		R229			RK73GB2A563J	CHIP R 56K J 1/10W	
R138			RK73GB2A103J	CHIP R 10K J 1/10W		R230			RK73GB2B47J	CHIP R 4.7 J 1/8W	
R139			RK73GB2A102J	CHIP R 1.0K J 1/10W		R231,232			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R141			RK73GB2A101J	CHIP R 100 J 1/10W		R233			RK73GB2A104J	CHIP R 100K J 1/10W	
R142			RK73GB2A221J	CHIP R 220 J 1/10W		R234,235			RK73GB2A474J	CHIP R 470K J 1/10W	
R144,145			RK73GB2A000J	CHIP R 0.0 J 1/10W		R236			RK73GB2A821J	CHIP R 820 J 1/10W	
R146			RK73GB2A271J	CHIP R 270 J 1/10W		R241			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R147			RK73GB2A180J	CHIP R 18 J 1/10W		R242			RK73GB2A474J	CHIP R 470K J 1/10W	
R148			RK73GB2A271J	CHIP R 270 J 1/10W		R243			RK73GB2A392J	CHIP R 3.9K J 1/10W	
R149			RK73GB2A221J	CHIP R 220 J 1/10W		R244-246			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R150			RK73GB2A820J	CHIP R 82 J 1/10W		R247-249			RK73GB2A104J	CHIP R 100K J 1/10W	
R151			RK73GB2A101J	CHIP R 100 J 1/10W		R250			RK73GB2A474J	CHIP R 470K J 1/10W	
R152			RK73GB2A000J	CHIP R 0.0 J 1/10W		R251			RK73GB2A100J	CHIP R 10 J 1/10W	
R153			RK73GB2A271J	CHIP R 270 J 1/10W		R252			RK73GB2A104J	CHIP R 100K J 1/10W	
R154			RK73GB2A180J	CHIP R 18 J 1/10W		R253			RK73GB2A331J	CHIP R 330 J 1/10W	
R155			RK73GB2A682J	CHIP R 6.8K J 1/10W		R254			RK73GB2A100J	CHIP R 10 J 1/10W	
R156			RK73GB2A182J	CHIP R 1.8K J 1/10W		R255			RK73GB2A274J	CHIP R 270K J 1/10W	
R157			RK73GB2A271J	CHIP R 270 J 1/10W		R256			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R158			RK73GB2A103J	CHIP R 10K J 1/10W		R257,258			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R159-161			RK73GB2A104J	CHIP R 100K J 1/10W		R259			RK73GB2A562J	CHIP R 5.6K J 1/10W	
R164			RK73GB2A104J	CHIP R 100K J 1/10W		R260			RK73GB2A331J	CHIP R 330 J 1/10W	
R165-168			RK73GB2A102J	CHIP R 1.0K J 1/10W		R261			RK73GB2A562J	CHIP R 5.6K J 1/10W	
R170			RK73GB2A000J	CHIP R 0.0 J 1/10W		R262			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R171,172			RK73GB2A470J	CHIP R 47 J 1/10W		R263			RK73GB2A563J	CHIP R 56K J 1/10W	
R173,174			RK73GB2A102J	CHIP R 1.0K J 1/10W		R264			RK73GB2A100J	CHIP R 10 J 1/10W	
R176			RK73GB2A000J	CHIP R 0.0 J 1/10W		R265			RK73GB2A471J	CHIP R 470 J 1/10W	
R178			RK73GB2A000J	CHIP R 0.0 J 1/10W		R266			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R179			RK73GB2A224J	CHIP R 220K J 1/10W	K	R267			RK73GB2A271J	CHIP R 270 J 1/10W	
R179			RK73GB2A334J	CHIP R 330K J 1/10W	K2	R268			RK73GB2A180J	CHIP R 18 J 1/10W	
R180			RK73GB2A101J	CHIP R 100 J 1/10W		R269			RK73GB2A271J	CHIP R 270 J 1/10W	
R181			RK73GB2A184J	CHIP R 180K J 1/10W		R270,271			RK73GB2A472J	CHIP R 4.7K J 1/10W	
R182			RK73GB2A101J	CHIP R 100 J 1/10W		R272			RK73GB2A100J	CHIP R 10 J 1/10W	
R183			RK73GB2A181J	CHIP R 180 J 1/10W	K	R274			RK73GB2A221J	CHIP R 220 J 1/10W	
R183			RK73GB2A221J	CHIP R 220 J 1/10W	K2	R276			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R184			RK73GB2A470J	CHIP R 47 J 1/10W		R301,302			RK73GB2A473J	CHIP R 47K J 1/10W	
R185,186			RK73GB2A103J	CHIP R 10K J 1/10W		R303			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R187,188			RK73GB2A000J	CHIP R 0.0 J 1/10W		R304			RK73GB2A471J	CHIP R 470 J 1/10W	
R189-191			RK73GB2A103J	CHIP R 10K J 1/10W		R305			RK73GB2A104J	CHIP R 100K J 1/10W	
R201			RK73GB2A121J	CHIP R 120 J 1/10W		R306-309			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R202			RK73GB2A470J	CHIP R 47 J 1/10W		R310,311			RK73GB2A104J	CHIP R 100K J 1/10W	
R203			RK73GB2A121J	CHIP R 120 J 1/10W		R312			RK73GB2A154J	CHIP R 150K J 1/10W	
R204			RK73GB2A103J	CHIP R 10K J 1/10W		R313			RK73GB2A2R2J	CHIP R 2.2 J 1/10W	
R205			RK73GB2A272J	CHIP R 2.7K J 1/10W		R314			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R206			RK73GB2A181J	CHIP R 180 J 1/10W		R316			RK73GB2A273J	CHIP R 27K J 1/10W	K
R207			RK73GB2A121J	CHIP R 120 J 1/10W		R316			RK73GB2A393J	CHIP R 39K J 1/10W	K2

PARTS LIST

TX UNIT (X56-3120-XX)

Ref. No.	Address	New parts	Parts No.	Description	Destination	Ref. No.	Address	New parts	Parts No.	Description	Destination
R317			RK73GB2A104J	CHIP R 100K J 1/10W		R430,431			RK73GB2A100J	CHIP R 10 J 1/10W	
R318			RK73GB2A472J	CHIP R 4.7K J 1/10W		R433			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R319			RK73GB2A104J	CHIP R 100K J 1/10W		R434			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R320			RK73GB2A470J	CHIP R 47 J 1/10W		R435			RK73GB2A104J	CHIP R 100K J 1/10W	
R321-323			RK73GB2A100J	CHIP R 10 J 1/10W		R436,437			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R324			RK73GB2A682J	CHIP R 6.8K J 1/10W		R438			RK73GB2A104J	CHIP R 100K J 1/10W	
R325			RK73GB2A332J	CHIP R 3.3K J 1/10W		R439			RK73GB2A2R2J	CHIP R 2.2 J 1/10W	
R326			RK73GB2A100J	CHIP R 10 J 1/10W		R440			RK73GB2A103J	CHIP R 10K J 1/10W	
R327,328			RK73GB2A000J	CHIP R 0.0 J 1/10W		R442			RK73GB2A470J	CHIP R 47 J 1/10W	
R329,330			RK73GB2A104J	CHIP R 100K J 1/10W		R447			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R331,332			RK73GB2A471J	CHIP R 470 J 1/10W		R452,453			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R333			RK73GB2A000J	CHIP R 0.0 J 1/10W		R454,455			RK73GB2A105J	CHIP R 1.0M J 1/10W	
R334			RK73GB2A104J	CHIP R 100K J 1/10W		R457			RK73GB2A333J	CHIP R 33K J 1/10W	
R335			RK73GB2A223J	CHIP R 22K J 1/10W		R458			RK73GB2A104J	CHIP R 100K J 1/10W	
R336			RK73GB2A334J	CHIP R 330K J 1/10W		R459			RK73GB2A472J	CHIP R 4.7K J 1/10W	
R337			RK73GB2A273J	CHIP R 27K J 1/10W		R460			RK73GB2A183J	CHIP R 18K J 1/10W	
R338			RK73GB2A105J	CHIP R 1.0M J 1/10W		R461			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R339			RK73GB2A104J	CHIP R 100K J 1/10W		R463			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R340			RK73GB2A101J	CHIP R 100 J 1/10W		R464			RK73GB2A221J	CHIP R 220 J 1/10W	
R341			RK73GB2A221J	CHIP R 220 J 1/10W		R465			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R342			RK73GB2A470J	CHIP R 47 J 1/10W		R466			RK73GB2A470J	CHIP R 47 J 1/10W	
R343			RK73GB2A000J	CHIP R 0.0 J 1/10W		R469,470			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R344-351			RK73GB2A104J	CHIP R 100K J 1/10W		R471			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R352			RK73GB2A123J	CHIP R 12K J 1/10W		R474			RK73GB2A682J	CHIP R 6.8K J 1/10W	
R353			RK73GB2A332J	CHIP R 3.3K J 1/10W		R475			RK73GB2A332J	CHIP R 3.3K J 1/10W	
R355			RK73GB2A221J	CHIP R 220 J 1/10W		R476,477			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R356			RK73GB2A100J	CHIP R 10 J 1/10W		R478			RK73GB2A153J	CHIP R 15K J 1/10W	
R357			RK73GB2A101J	CHIP R 100 J 1/10W		R479			RK73GB2A2R2J	CHIP R 2.2 J 1/10W	
R358			RK73GB2A105J	CHIP R 1.0M J 1/10W		R480			RK73GB2A682J	CHIP R 6.8K J 1/10W	
R360			RK73GB2A104J	CHIP R 100K J 1/10W		R481			RK73GB2A182J	CHIP R 1.8K J 1/10W	
R362			RK73GB2A100J	CHIP R 10 J 1/10W		R482			RK73GB2A103J	CHIP R 10K J 1/10W	
R363			RK73GB2A471J	CHIP R 470 J 1/10W		R483			RK73GB2A562J	CHIP R 5.6K J 1/10W	
R364			RK73GB2A104J	CHIP R 100K J 1/10W		R484			RK73GB2A101J	CHIP R 100 J 1/10W	
R367			RK73GB2A104J	CHIP R 100K J 1/10W		R485			RK73GB2A392J	CHIP R 3.9K J 1/10W	
R368			RK73GB2A822J	CHIP R 8.2K J 1/10W		R486			RK73GB2A221J	CHIP R 220 J 1/10W	
R369			RK73GB2A000J	CHIP R 0.0 J 1/10W		R487			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R370			RK73GB2A182J	CHIP R 1.8K J 1/10W		R488			RK73GB2A822J	CHIP R 8.2K J 1/10W	
R371			RK73GB2A2R2J	CHIP R 2.2 J 1/10W		R489			RK73GB2A272J	CHIP R 2.7K J 1/10W	
R374			RK73GB2A000J	CHIP R 0.0 J 1/10W		R490			RK73GB2A470J	CHIP R 47 J 1/10W	
R375,376			RK73GB2A563J	CHIP R 56K J 1/10W		R492			RK73GB2A471J	CHIP R 470 J 1/10W	
R377,378			RK73GB2A104J	CHIP R 100K J 1/10W		R493			RK73GB2A104J	CHIP R 100K J 1/10W	
R379			RK73GB2A000J	CHIP R 0.0 J 1/10W		R494			RK73GB2A123J	CHIP R 12K J 1/10W	
R380			RK73GB2A470J	CHIP R 47 J 1/10W		R495			RK73GB2A332J	CHIP R 3.3K J 1/10W	
R381			RK73GB2A104J	CHIP R 100K J 1/10W		R496,497			RK73GB2A100J	CHIP R 10 J 1/10W	
R401			RK73GB2A000J	CHIP R 0.0 J 1/10W		R498			RK73GB2A471J	CHIP R 470 J 1/10W	
R402			RK73GB2A474J	CHIP R 470K J 1/10W		R499			RK73GB2A682J	CHIP R 6.8K J 1/10W	
R403,404			RK73GB2A102J	CHIP R 1.0K J 1/10W		R500			RK73GB2A332J	CHIP R 3.3K J 1/10W	
R406-408			RK73GB2A100J	CHIP R 10 J 1/10W		R501			RK73GB2A221J	CHIP R 220 J 1/10W	
R409			RK73GB2A000J	CHIP R 0.0 J 1/10W		R502			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R410			RK73GB2A331J	CHIP R 330 J 1/10W		R503			RK73GB2A100J	CHIP R 10 J 1/10W	
R411			RK73GB2A000J	CHIP R 0.0 J 1/10W		R504			RK73GB2A104J	CHIP R 100K J 1/10W	
R412			RK73GB2A331J	CHIP R 330 J 1/10W		R505			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R413			RK73GB2A123J	CHIP R 12K J 1/10W		R506			RK73GB2A101J	CHIP R 100 J 1/10W	
R414			RK73GB2A562J	CHIP R 5.6K J 1/10W		R507			RK73GB2A100J	CHIP R 10 J 1/10W	
R415			RK73GB2A123J	CHIP R 12K J 1/10W		R508-510			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R416			RK73GB2A562J	CHIP R 5.6K J 1/10W		R511			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R417,418			RK73GB2A000J	CHIP R 0.0 J 1/10W		R512			RK73GB2A181J	CHIP R 180 J 1/10W	
R422-424			RK73GB2A474J	CHIP R 470K J 1/10W		R513			RK73GB2A471J	CHIP R 470 J 1/10W	
R425			RK73GB2A104J	CHIP R 100K J 1/10W		R514			RK73GB2A100J	CHIP R 10 J 1/10W	
R427			RK73GB2A100J	CHIP R 10 J 1/10W		R515			RK73GB2A470J	CHIP R 47 J 1/10W	

PARTS LIST

TX UNIT (X56-3120-XX)

Ref. No.	Address	New parts	Parts No.	Description	Destination	Ref. No.	Address	New parts	Parts No.	Description	Destination
R518			RK73GB2A104J	CHIP R 100K J 1/10W		R592			RK73GB2A273J	CHIP R 27K J 1/10W	
R519			RK73GB2A124J	CHIP R 120K J 1/10W		R593			RK73FB2B120J	CHIP R 12 J 1/8W	
R521			RK73GB2A223J	CHIP R 22K J 1/10W		R594			RK73FB2B271J	CHIP R 270 J 1/8W	
R522			RK73GB2A822J	CHIP R 8.2K J 1/10W		R595			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R523,524			RK73GB2A221J	CHIP R 220 J 1/10W		R601			RK73GB2A103J	CHIP R 10K J 1/10W	
R525			RK73GB2A471J	CHIP R 470 J 1/10W		R602			RK73GB2A104J	CHIP R 100K J 1/10W	
R526			RK73GB2A473J	CHIP R 47K J 1/10W		R603			RK73GB2A222J	CHIP R 2.2K J 1/10W	
R527			RK73GB2A271J	CHIP R 270 J 1/10W		R604			RK73GB2A473J	CHIP R 47K J 1/10W	
R528			RK73GB2A152J	CHIP R 1.5K J 1/10W		R605			RK73GB2A153J	CHIP R 15K J 1/10W	
R529			RK73GB2A153J	CHIP R 15K J 1/10W		R606			RK73GB2A181J	CHIP R 180 J 1/10W	
R530			RK73GB2A120J	CHIP R 12 J 1/10W		R607			RK73GB2A470J	CHIP R 47 J 1/10W	
R531			RK73GB2A474J	CHIP R 470K J 1/10W		R608			RK73GB2A222J	CHIP R 2.2K J 1/10W	
R532			RK73GB2A271J	CHIP R 270 J 1/10W		R610			RK73GB2A104J	CHIP R 100K J 1/10W	
R533			RK73GB2A104J	CHIP R 100K J 1/10W		R611			RK73GB2A100J	CHIP R 10 J 1/10W	
R534			RK73GB2A221J	CHIP R 220 J 1/10W		R612			RK73GB2A471J	CHIP R 470 J 1/10W	
R535			RK73GB2A104J	CHIP R 100K J 1/10W		R613			RK73GB2A682J	CHIP R 6.8K J 1/10W	
R536			RK73GB2A102J	CHIP R 1.0K J 1/10W		R614			RK73GB2A332J	CHIP R 3.3K J 1/10W	
R538			RK73GB2A102J	CHIP R 1.0K J 1/10W		R615			RK73GB2A471J	CHIP R 470 J 1/10W	
R539			RK73GB2A100J	CHIP R 10 J 1/10W		R616			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R540			RK73GB2A474J	CHIP R 470K J 1/10W		R617			RK73GB2A471J	CHIP R 470 J 1/10W	
R541			RK73FB2B1R0J	CHIP R 1.0 J 1/8W		R618			RK73GB2A104J	CHIP R 100K J 1/10W	
R542			RK73GB2A102J	CHIP R 1.0K J 1/10W		R619			RK73GB2A100J	CHIP R 10 J 1/10W	
R543			RK73GB2A220J	CHIP R 22 J 1/10W		R620			RK73GB2A104J	CHIP R 100K J 1/10W	
R544			RK73GB2A104J	CHIP R 100K J 1/10W		R621			RK73GB2A471J	CHIP R 470 J 1/10W	
R545			RK73GB2A470J	CHIP R 47 J 1/10W		R622			RK73GB2A331J	CHIP R 330 J 1/10W	
R547			RK73GB2A472J	CHIP R 4.7K J 1/10W		R623			RK73GB2A392J	CHIP R 3.9K J 1/10W	
R548			RK73GB2A473J	CHIP R 47K J 1/10W		R624			RK73GB2A474J	CHIP R 470K J 1/10W	
R549			RK73GB2A331J	CHIP R 330 J 1/10W		R625			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R550			RK73GB2A104J	CHIP R 100K J 1/10W		R626-628			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R551			RK73GB2A473J	CHIP R 47K J 1/10W		R629			RK73GB2A101J	CHIP R 100 J 1/10W	
R552			RK73GB2A104J	CHIP R 100K J 1/10W		R630			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R553			RK73GB2A223J	CHIP R 22K J 1/10W		R631			RK73GB2A561J	CHIP R 560 J 1/10W	
R554			RK73GB2A180J	CHIP R 18 J 1/10W		R637,638			RK73GB2A472J	CHIP R 4.7K J 1/10W	
R555			RK73GB2A102J	CHIP R 1.0K J 1/10W		R639,640			RK73GH2A104D	CHIP R 100K D 1/10W	
R556			RK73GB2A122J	CHIP R 1.2K J 1/10W		R705			RK73GB2A2R2J	CHIP R 2.2 J 1/10W	
R557			RK73GB2A473J	CHIP R 47K J 1/10W		R706-708			RK73GB2A100J	CHIP R 10 J 1/10W	
R558			RK73GB2A331J	CHIP R 330 J 1/10W		R709			RK73GB2A474J	CHIP R 470K J 1/10W	
R560			RK73GB2A000J	CHIP R 0.0 J 1/10W		R711			RK73GB2A104J	CHIP R 100K J 1/10W	
R561			RK73GB2A102J	CHIP R 1.0K J 1/10W		R712,713			RK73GB2A472J	CHIP R 4.7K J 1/10W	
R562			RK73GB2A104J	CHIP R 100K J 1/10W		R714			RK73GB2A104J	CHIP R 100K J 1/10W	
R563			RK73GB2A473J	CHIP R 47K J 1/10W		R715			RK73GB2A474J	CHIP R 470K J 1/10W	
R564			RK73GB2A223J	CHIP R 22K J 1/10W		R716-718			RK73GB2A100J	CHIP R 10 J 1/10W	
R566			RK73GB2A473J	CHIP R 47K J 1/10W		R719,720			RK73GB2A104J	CHIP R 100K J 1/10W	
R567			RK73GB2A472J	CHIP R 4.7K J 1/10W		R721			RK73GB2A100J	CHIP R 10 J 1/10W	
R568			RK73GB2A224J	CHIP R 220K J 1/10W		R722			RK73GB2A474J	CHIP R 470K J 1/10W	
R569			RK73GB2A561J	CHIP R 560 J 1/10W		R801			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R570			RK73GB2A473J	CHIP R 47K J 1/10W		R802,803			RK73GB2A104J	CHIP R 100K J 1/10W	
R571			RK73GB2A100J	CHIP R 10 J 1/10W		R804-807			RK73GB2A100J	CHIP R 10 J 1/10W	
R573			RK73GB2A104J	CHIP R 100K J 1/10W		R812-824			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R575			RK73GB2A472J	CHIP R 4.7K J 1/10W		R830-837			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R576			RK73FB2B1R0J	CHIP R 1.0 J 1/8W		R840			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R577			RK73GB2A104J	CHIP R 100K J 1/10W		R845			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R578			RK73GB2A000J	CHIP R 0.0 J 1/10W		R865			RK73GB2A104J	CHIP R 100K J 1/10W	
R580			RK73GB2A220J	CHIP R 22 J 1/10W		R866,867			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R581			RK73GB2A104J	CHIP R 100K J 1/10W		R869			RK73GB2A104J	CHIP R 100K J 1/10W	
R582			RK73GB2A474J	CHIP R 470K J 1/10W		R870			RK73GB2A101J	CHIP R 100 J 1/10W	
R583			RK73GB2A221J	CHIP R 220 J 1/10W		R871,872			RK73GB2A104J	CHIP R 100K J 1/10W	
R586			RK73GB2A104J	CHIP R 100K J 1/10W		R873			RK73GB2A103J	CHIP R 10K J 1/10W	
R588			RK73GB2A103J	CHIP R 10K J 1/10W		R877			RK73GB2A104J	CHIP R 100K J 1/10W	
R591			RK73FB2B271J	CHIP R 270 J 1/8W		R878			RK73GB2A000J	CHIP R 0.0 J 1/10W	

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Ref. No.	Address	New parts	Parts No.	Description	Destination	Ref. No.	Address	New parts	Parts No.	Description	Destination
R879			RK73GB2A104J	CHIP R 100K J 1/10W	K K2	IC603			XC6204B332M	MOS-IC	
R881			RK73GB2A000J	CHIP R 0.0 J 1/10W		IC701			BH2220FVM	ANALOGUE IC	
R882			RK73GB2A000J	CHIP R 0.0 J 1/10W		IC702			S24CS02AFJTBG	ROM IC	
R887-889			RK73GB2A102J	CHIP R 1.0K J 1/10W		IC703			BU4094BCFV	MOS-IC	
R891			RK73GB2A102J	CHIP R 1.0K J 1/10W		IC704			NJM78M08DL1AZB	ANALOGUE IC	
R920-932			RK73GB2A000J	CHIP R 0.0 J 1/10W		IC705,706			NJM78M05DL1AZB	ANALOGUE IC	
R933			RK73GB2A821J	CHIP R 820 J 1/10W		IC801			AD1582	ANALOGUE IC	
R934,935			RK73GB2A000J	CHIP R 0.0 J 1/10W		IC802			AD5312BRM	MOS-IC	
R936,937			RK73GB2A122J	CHIP R 1.2K J 1/10W		IC803			AD7908BRU	MOS-IC	
R938,939			RK73GB2A821J	CHIP R 820 J 1/10W		IC804			LM50BIM3/NOPB	MOS-IC	
R940			RK73GB2A122J	CHIP R 1.2K J 1/10W		IC805,806			TC7SET126FU-F	MOS-IC	
R941			RK73GB2A821J	CHIP R 820 J 1/10W		IC807			NJM78M05DL1AZB	ANALOGUE IC	
R942			RK73GB2A000J	CHIP R 0.0 J 1/10W		IC808,809	1B		NJM7808FA-ZB	BI-POLAR IC	
R943			RK73GH2A224D	CHIP R 220K D 1/10W		IC920-922			TC7SET126FU-F	MOS-IC	
R944,945			RK73GB2A102J	CHIP R 1.0K J 1/10W		IC923-925			BU4094BCFV	MOS-IC	
R946			RK73GB2A103J	CHIP R 10K J 1/10W		IC926			NJM2732V	BI-POLAR IC	
R947			RK73GB2A000J	CHIP R 0.0 J 1/10W		IC960-963			BU4094BCFV	MOS-IC	
R948,949			RK73GH2A104D	CHIP R 100K D 1/10W		Q101			SSM3K15TE(F)	FET	
R950			RK73GH2A822D	CHIP R 8.2K D 1/10W		Q102,103			2SK508NV(K52)	FET	
R951			RK73GB2A122J	CHIP R 1.2K J 1/10W		Q104			2SC3356-A(R24)	TRANSISTOR	
R960-965			RK73GB2A000J	CHIP R 0.0 J 1/10W		Q105			2SC4116(BL)F	TRANSISTOR	
R966,967			RK73GB2A681J	CHIP R 680 J 1/10W		Q106			2SC3356-A(R24)	TRANSISTOR	
VR401,402			R32-0754-05	SEMI FIXED VARIABLE RESISTOR(10K)		Q107,108			2SC4116(BL)F	TRANSISTOR	
S920-925			S70-0502-05	TACT SWITCH		Q109			2SA1832F	TRANSISTOR	
D101,102			1SV283F	VARIABLE CAPACITANCE DIODE		Q110			SSM3K15TE(F)	FET	
D106			1SV278F	VARIABLE CAPACITANCE DIODE		Q201			2SC3356-A(R24)	TRANSISTOR	
D107,108			1SV283F	VARIABLE CAPACITANCE DIODE		Q202			2SC5337	TRANSISTOR	
D112			1SV278F	VARIABLE CAPACITANCE DIODE		Q203			RD01MUS1-T113	FET	
D201			HSM88AS-E	DIODE		Q204			SSM3K15TE(F)	FET	
D401-403			HSM88AS-E	DIODE		Q205			SSM3J01F	FET	
D404,405			JDP4P02U	DIODE		Q206			SSM3K15TE(F)	FET	
D406,407			HSC119	DIODE		Q210			SSM3K15TE(F)	FET	
D408			HSM88AS-E	DIODE		Q211-213			2SC4617(R)	TRANSISTOR	
D409			CSA70-401L	SURGE ABSORBER		Q301,302			SSM3K15TE(F)	FET	
D601,602			JDP4P02U	DIODE		Q303			2SA1832F	TRANSISTOR	
D603-606			UDZS3.0B	ZENER DIODE		Q304,305			2SC4617(R)	TRANSISTOR	
D933,934			HSM88AS-E	DIODE		Q307			2SC4617(R)	TRANSISTOR	
D935,936			1SS355	DIODE		Q401,402			2SC4617(R)	TRANSISTOR	
D960,961			PSA0511EWA-FG1	LED		Q405			SSM3K15TE(F)	FET	
IC101			LMX2352TMX/NP	ANALOGUE IC		Q407-409			SSM3K15TE(F)	FET	
IC102			LMC7101BIM5	MOS-IC		Q410			2SA1832F	TRANSISTOR	
IC104			NJM2386ADL3-09	ANALOGUE IC		Q412			2SC4617(R)	TRANSISTOR	
IC201			NJM2904E-ZB	ANALOGUE IC		Q413,414			SSM3K15TE(F)	FET	
IC202			AD9835BRUZ	MOS-IC		Q415-419			2SC4617(R)	TRANSISTOR	
IC301			NJM2732V	BI-POLAR IC		Q420			3SK317-E	FET	
IC302			NJU6368PF1	MOS-IC		Q421			SSM6L05FU-F	FET	
IC303			ADF4001BRUZ	MOS-IC		Q422			RD01MUS1-T113	FET	
IC304			M62364FP-F	MOS-IC		Q423			SSM6L05FU-F	FET	
IC305			NJM2732V	BI-POLAR IC		Q424			SSM3K15TE(F)	FET	
IC306			LMC7101BIM5	MOS-IC		Q425			RD01MUS1-T113	FET	
IC307			NJU6368PF1	MOS-IC		Q426			SSM3J01F	FET	
IC308			NJM2732V	BI-POLAR IC		Q428,429			SSM3K15TE(F)	FET	
IC401			LMC7101BIM5	MOS-IC		Q430,431			3SK317-E	FET	
IC404			ADF4001BRUZ	MOS-IC		Q601			SSM3J01F	FET	
IC405,406		*	TC75S59F-F	MOS-IC		Q602			SSM3K15TE(F)	FET	
IC407			NJU6368PF1	MOS-IC		Q603			2SC4617(R)	TRANSISTOR	
IC408,409			TA75S01F-F	MOS-IC		Q604			SSM3K15TE(F)	FET	
IC601			AD9835BRUZ	MOS-IC		Q605			SSM3J01F	FET	
IC602			NJU6368PF1	MOS-IC		Q606			2SC4617(R)	TRANSISTOR	
						Q607-609			SSM3K15TE(F)	FET	

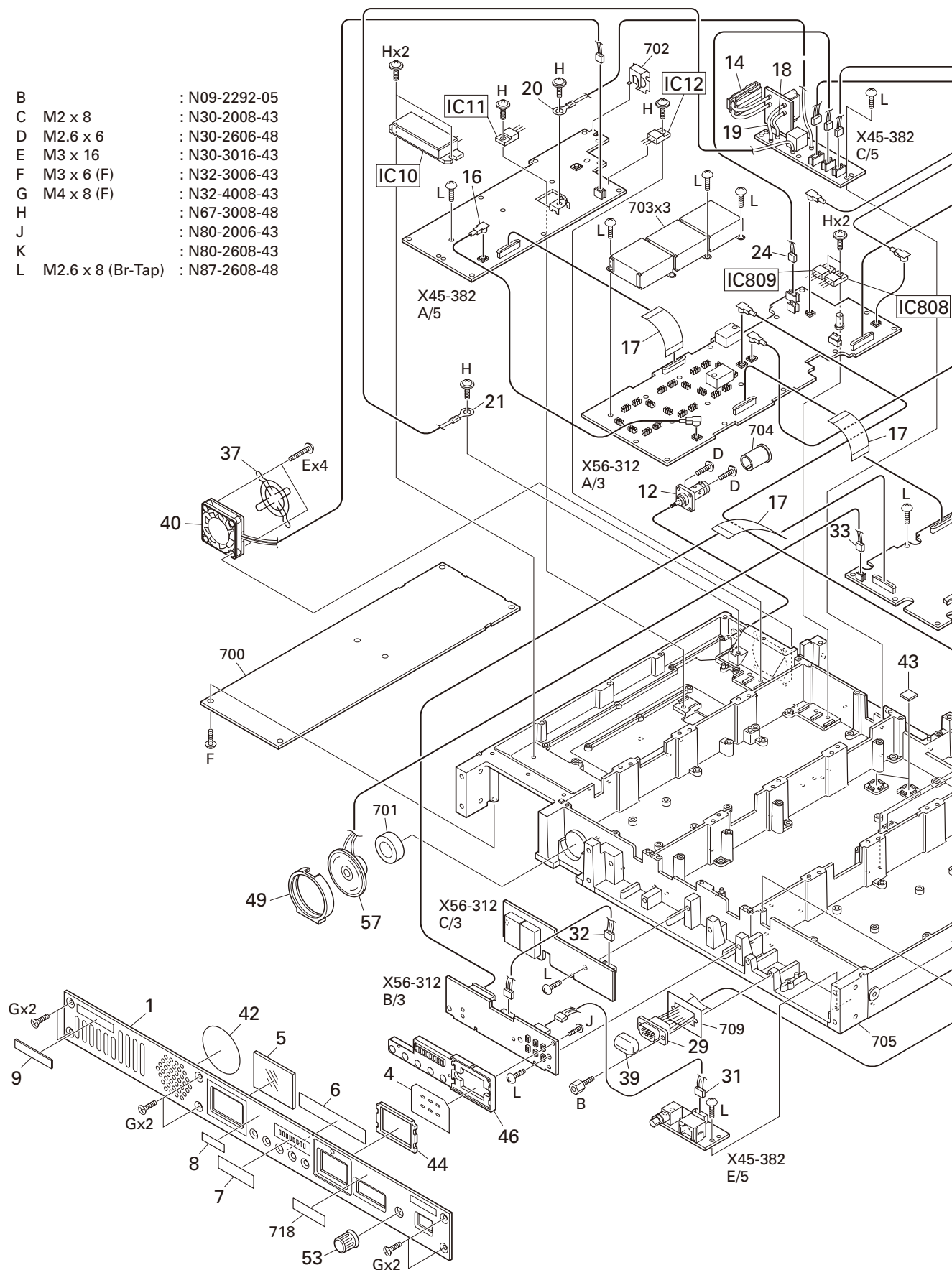
PARTS LIST

TX UNIT (X56-3120-XX)

Ref. No.	Address	New parts	Parts No.	Description	Destination	Ref. No.	Address	New parts	Parts No.	Description	Destination
Q701,702			SSM3K15TE(F)	FET							
Q920-930			UMG1N	TRANSISTOR							
Q931			2SC4116(Y)F	TRANSISTOR							
Q932			2SA1586(Y)F	TRANSISTOR							
Q960-976			UMG1N	TRANSISTOR							
TH101,102			157-302-65801	THERMISTOR							

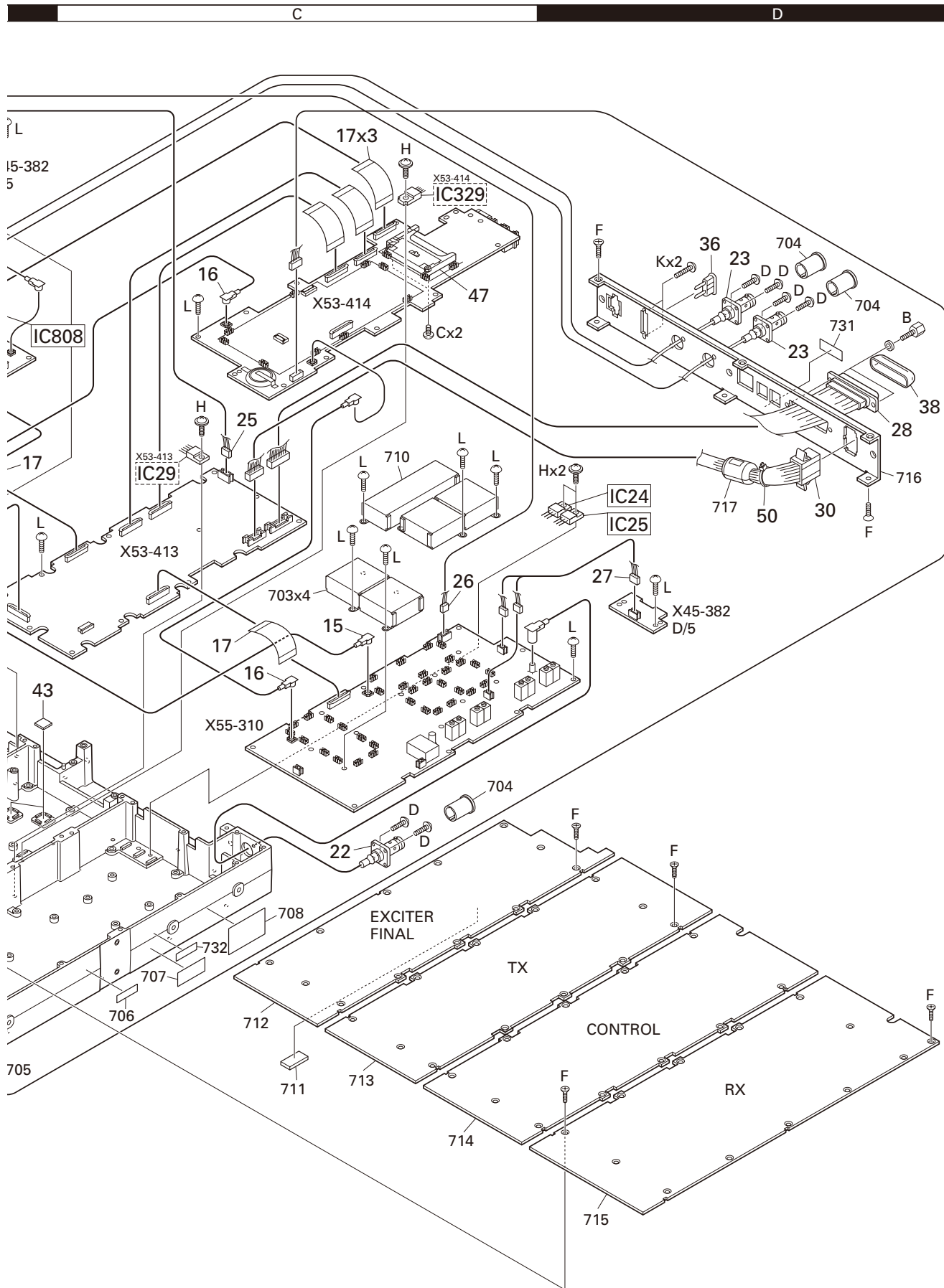
EXPLODED VIEW

B	:	N09-2292-05
C	M2 x 8	: N30-2008-43
D	M2.6 x 6	: N30-2606-48
E	M3 x 16	: N30-3016-43
F	M3 x 6 (F)	: N32-3006-43
G	M4 x 8 (F)	: N32-4008-43
H	:	N67-3008-48
J	:	N80-2006-43
K	:	N80-2608-43
L	M2.6 x 8 (Br-Tap)	: N87-2608-48



38 Parts with the exploded numbers larger than 700 are not supplied.
If a part reference number is listed in a box on the exploded view of the PCB (for example, IC123), that part does not come with the PCB. These parts must be ordered separately.

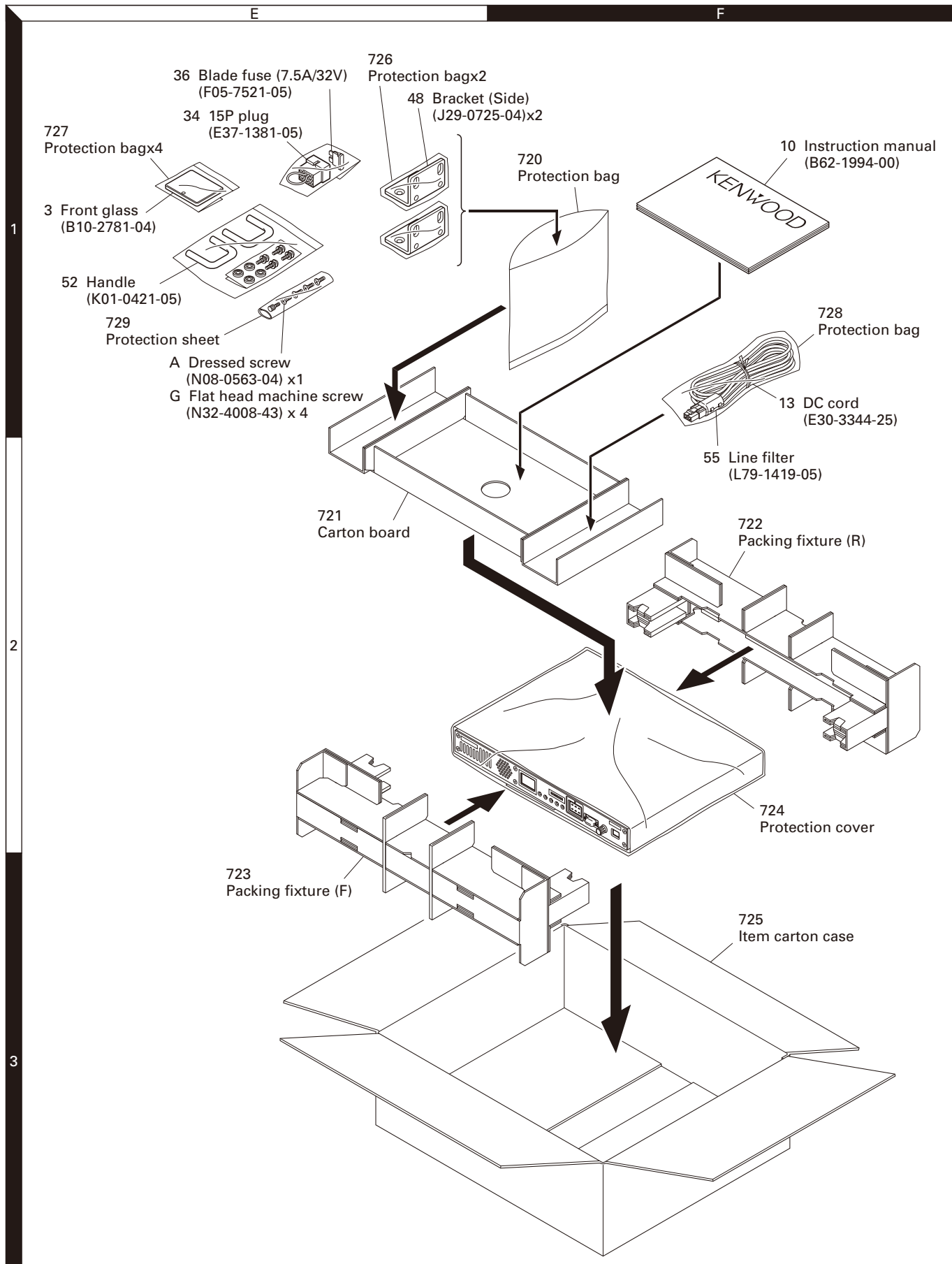
EXPLODED VIEW



Parts with the exploded numbers larger than 700 are not supplied.

If a part reference number is listed in a box on the exploded view of the PCB (for example, IC123), that part does not come with the PCB. These parts must be ordered separately.

PACKING



Parts with the exploded numbers larger than 700 are not supplied.

TROUBLE SHOOTING

Procedure for Traceability of BGA Package and How to Replace Control Unit

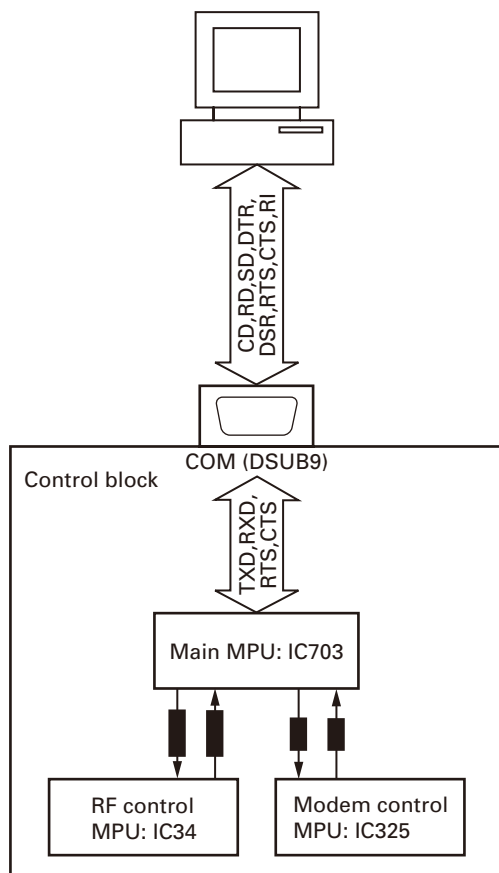
This clause is procedure when you replace Control unit on you repair. Implement traceability of BGA package in order to make sure BGA failure in prior to replace Control Unit. You choose appropriate procedure accordingly.

1. Traceability of BGA Package ICs in Control Unit

The control unit (X53-414) of NXR-800 series have BGA package ICs. BGA package IC is difficult to trace whether it be broken. So, control unit is difficult to confirm whether it has a problem. This document shows a simple method by PC to confirm the control unit has problem. The two methods for traceability in BGA packages IC are provided as below.

1-1. Simplified traceability

- Open the top cover of control unit.
- Slide the tab on DIP_SW4 (Ref No. S700) to the ON position. (See Fig 1.)
- Connect a cross-wired RS232C cable to COM port on the front panel of NXR-800. Plug the other end of the cable to PC. (See Fig 2.)
- Run a communication software, example a Hyper Terminal in Windows, and set the following parameters.
- COM port: COM port of NXR-800 used in step c.



Configuration in communication port

Communication speed: 115200bps

Data Length: 8-bit

Parity: None

Stop bits: 1

Flow control: Hardware

- Apply 13.8VDC to NXR-800. When BGA ICs mounted in this control unit works correctly, the following messages appears on the screen of communication software. If the software doesn't show below messages, it's supposed that BGA package IC is broken.

NEXEDGE IPL 1.00 *1

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CPU[R] Version 1.00 *2

CPU[M] Version 1.00 *3

*1: Appearing this information means the boot program in Main MPU (IC703) is correctly working.

*2: ppearing this information means the boot program at the RF control MPU (IC34) is correctly working.

*3: Appearing this information means the boot program at the Modem control in MPU(IC325) is correctly working.

Note: IPL and CPU[R], CPU[M] version will be updated by any modification or improvement in future.

- After that slide the tab on DIP_SW4 to OFF position, before close the top cover of control unit.

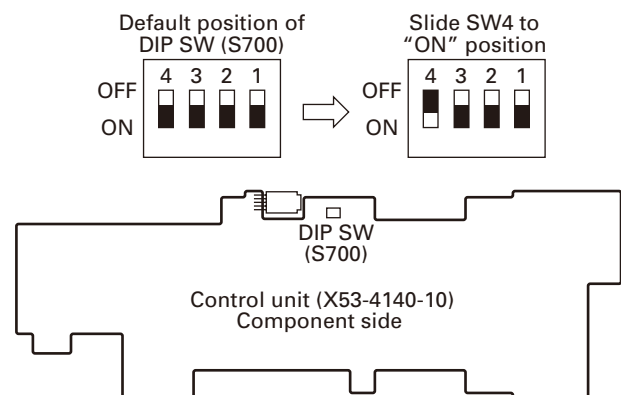


Fig. 1

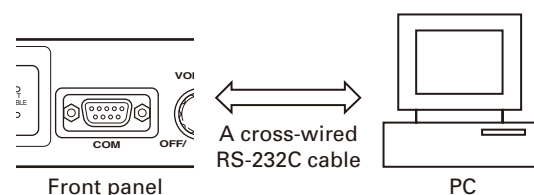
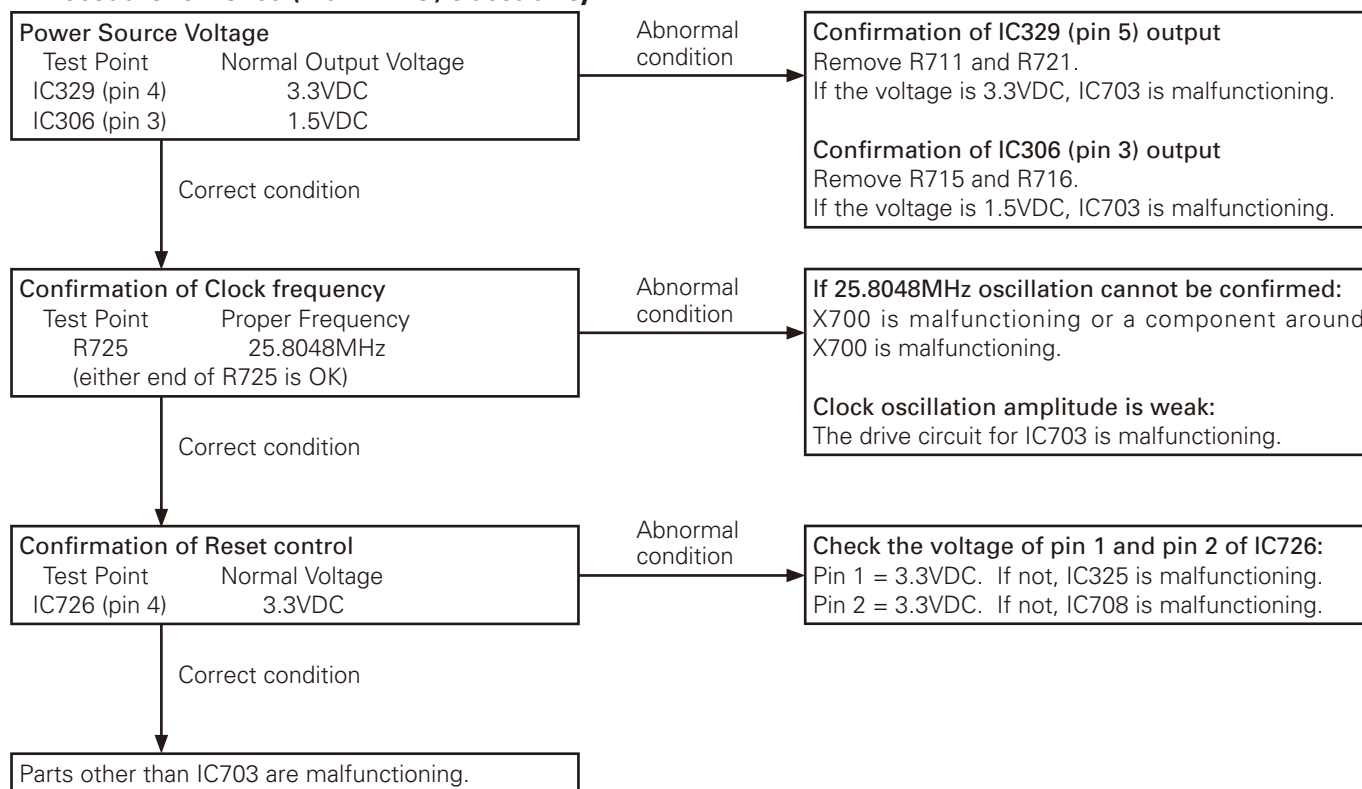


Fig. 2

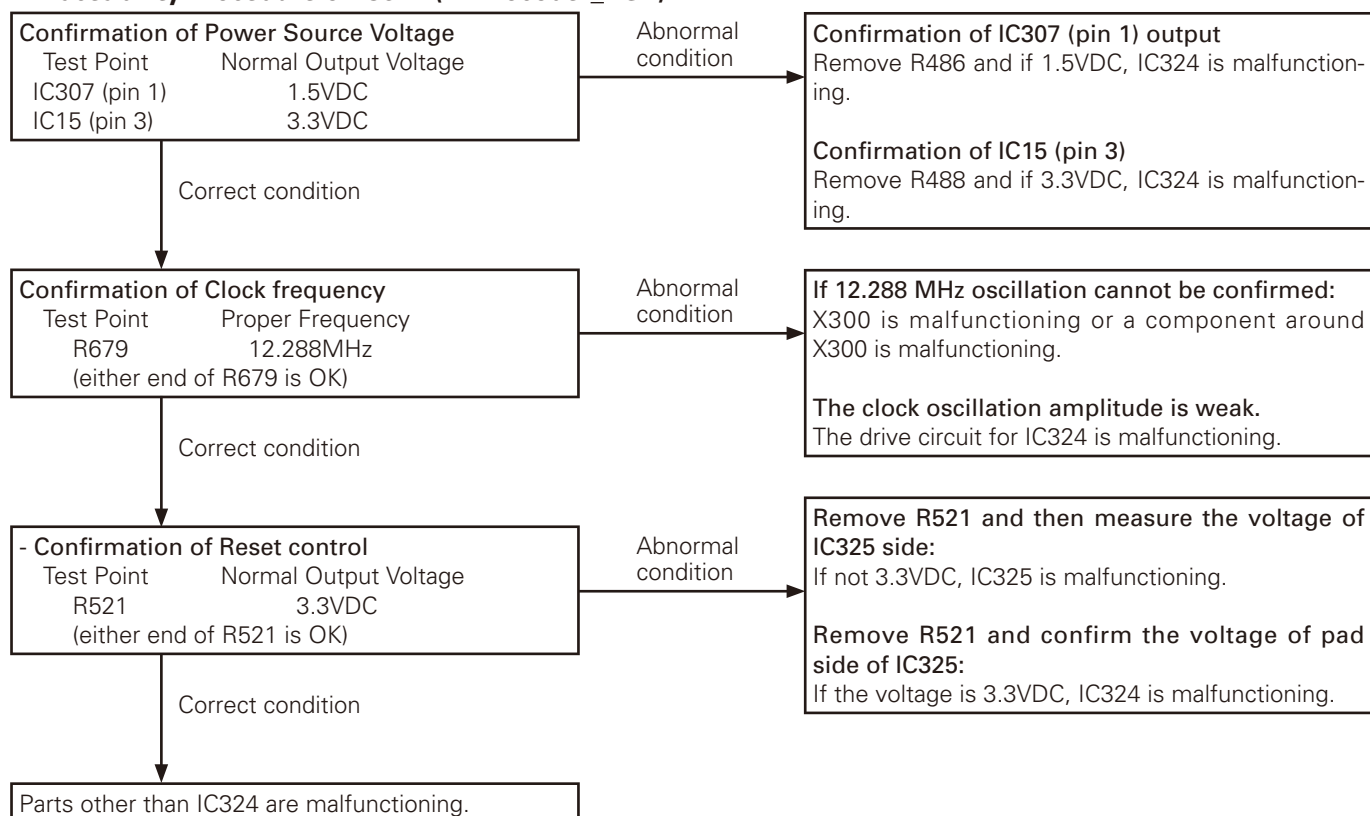
TROUBLE SHOOTING

1-2. Hardware Traceability (Method1)

■ Procedure for IC703 (Main MPU) traceability

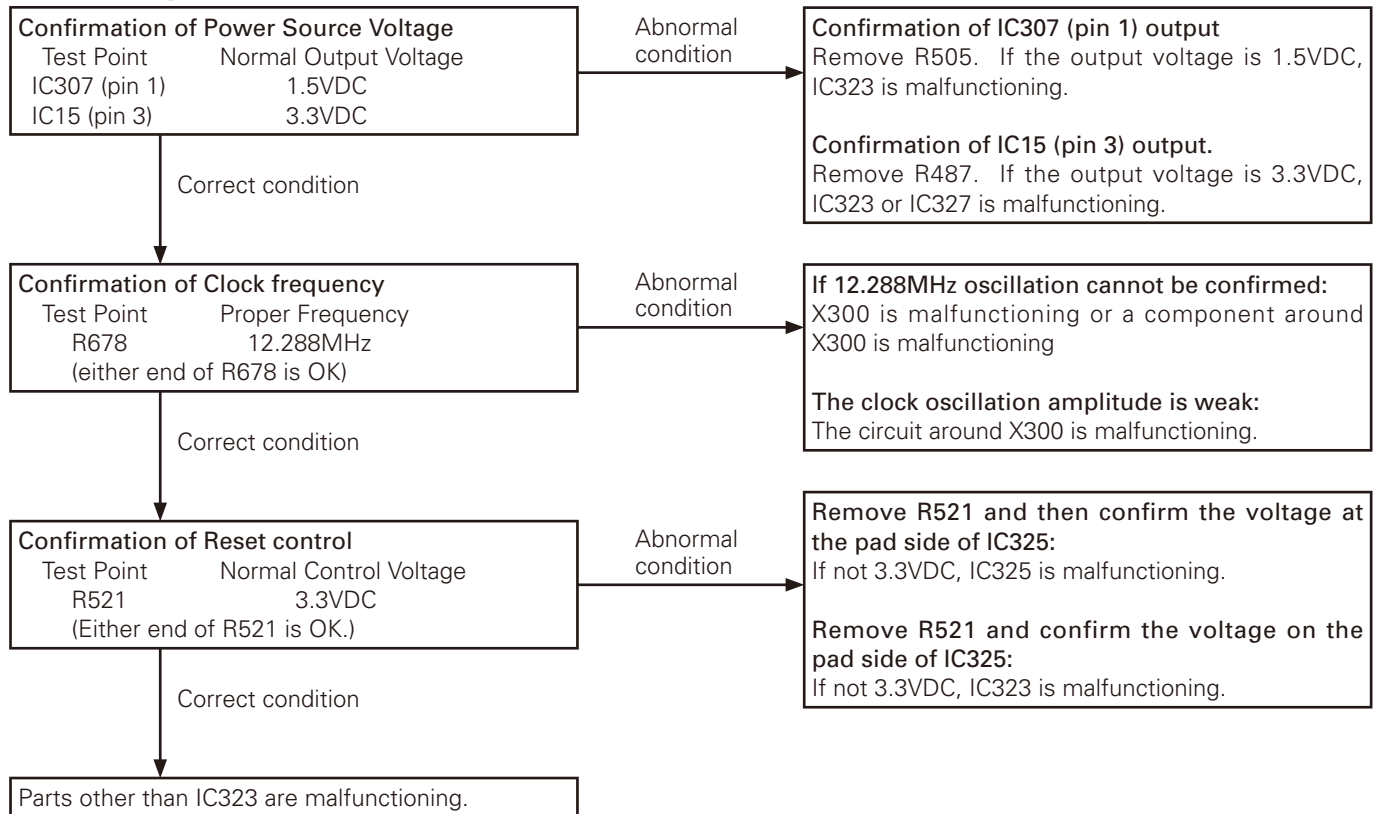


■ Traceability Procedure of IC324 (TX Vocoder_DSP)

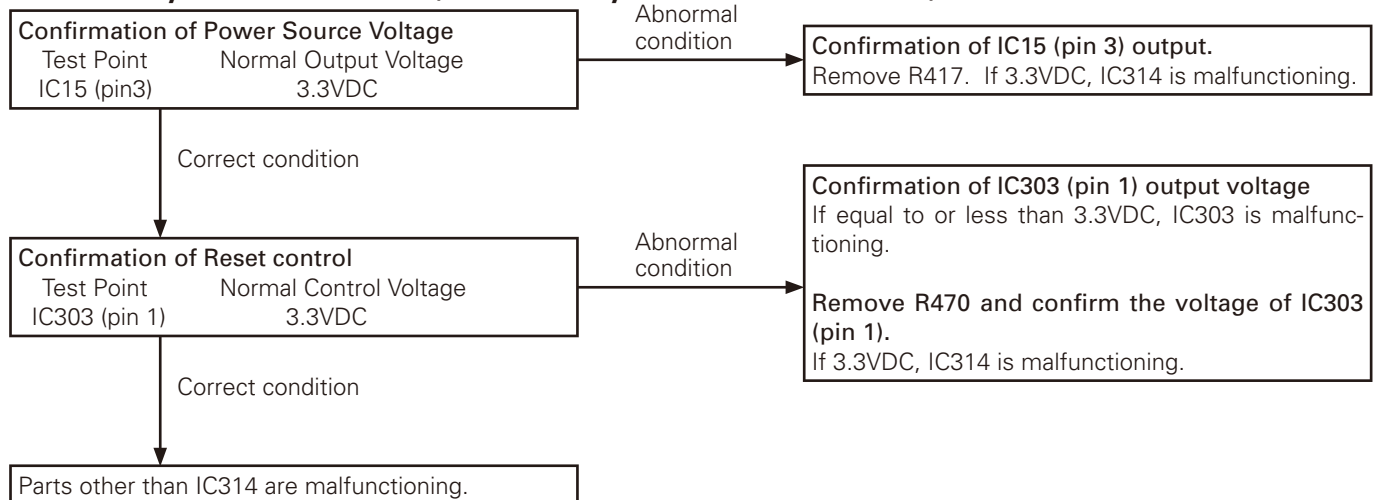


TROUBLE SHOOTING

■ Traceability Procedure of IC323 (RX_DSP)

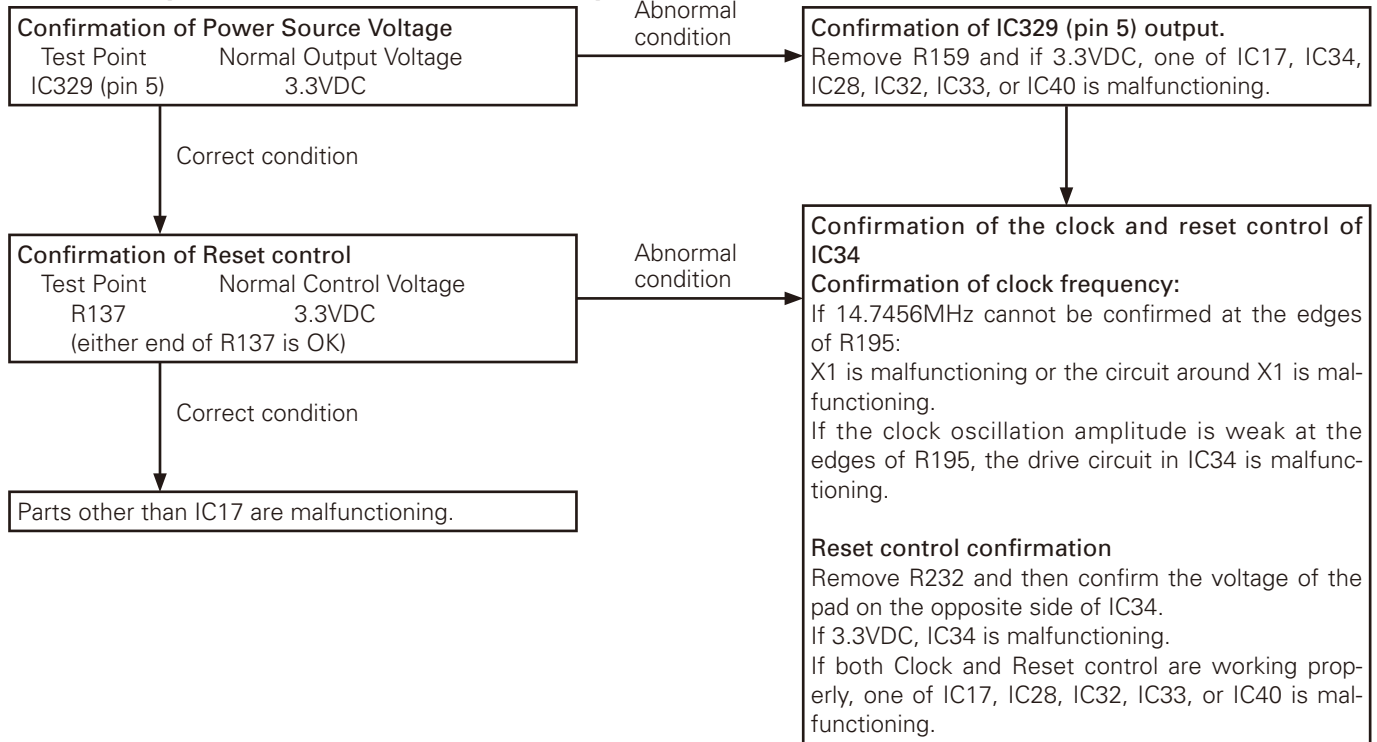


■ Traceability Procedure of IC314 (Flash Memory of modem control MPU)

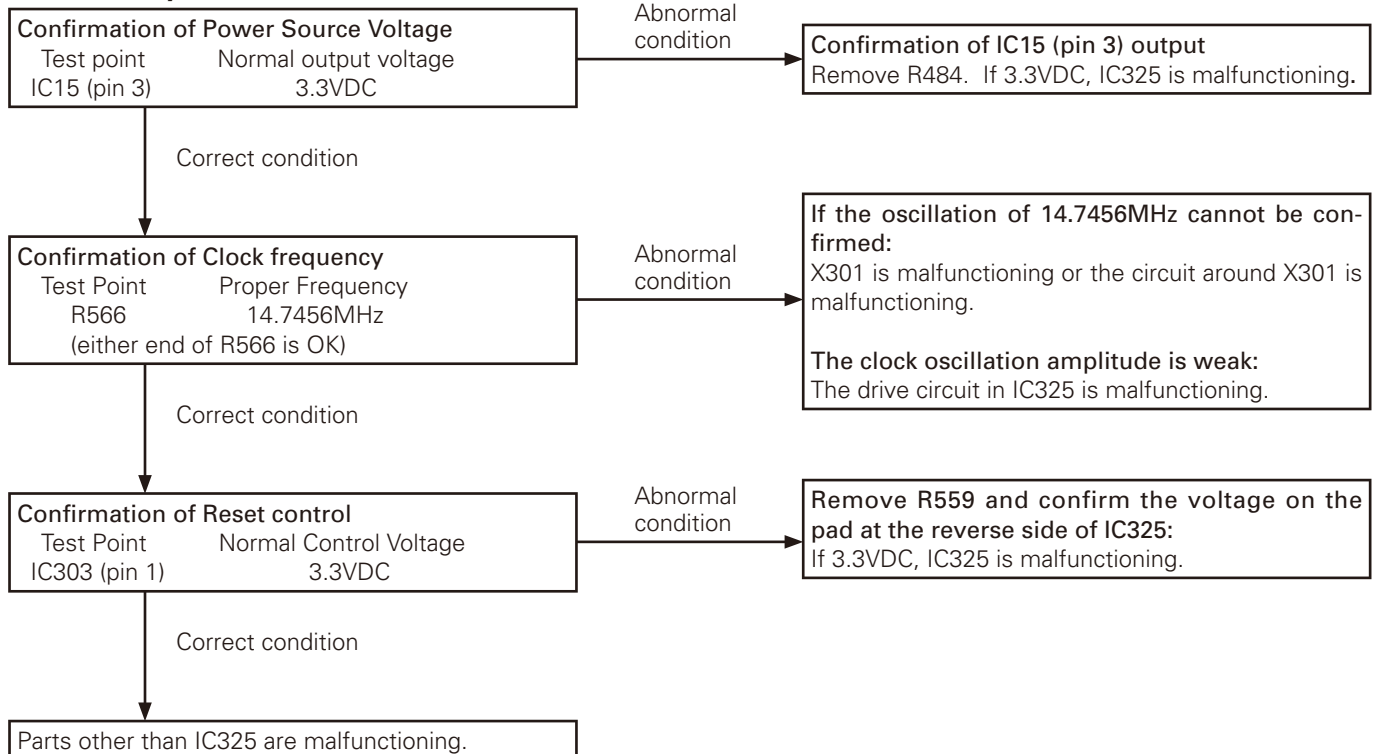


TROUBLE SHOOTING

■ Traceability Procedure of IC17 (Flash Memory of RF control MPU)

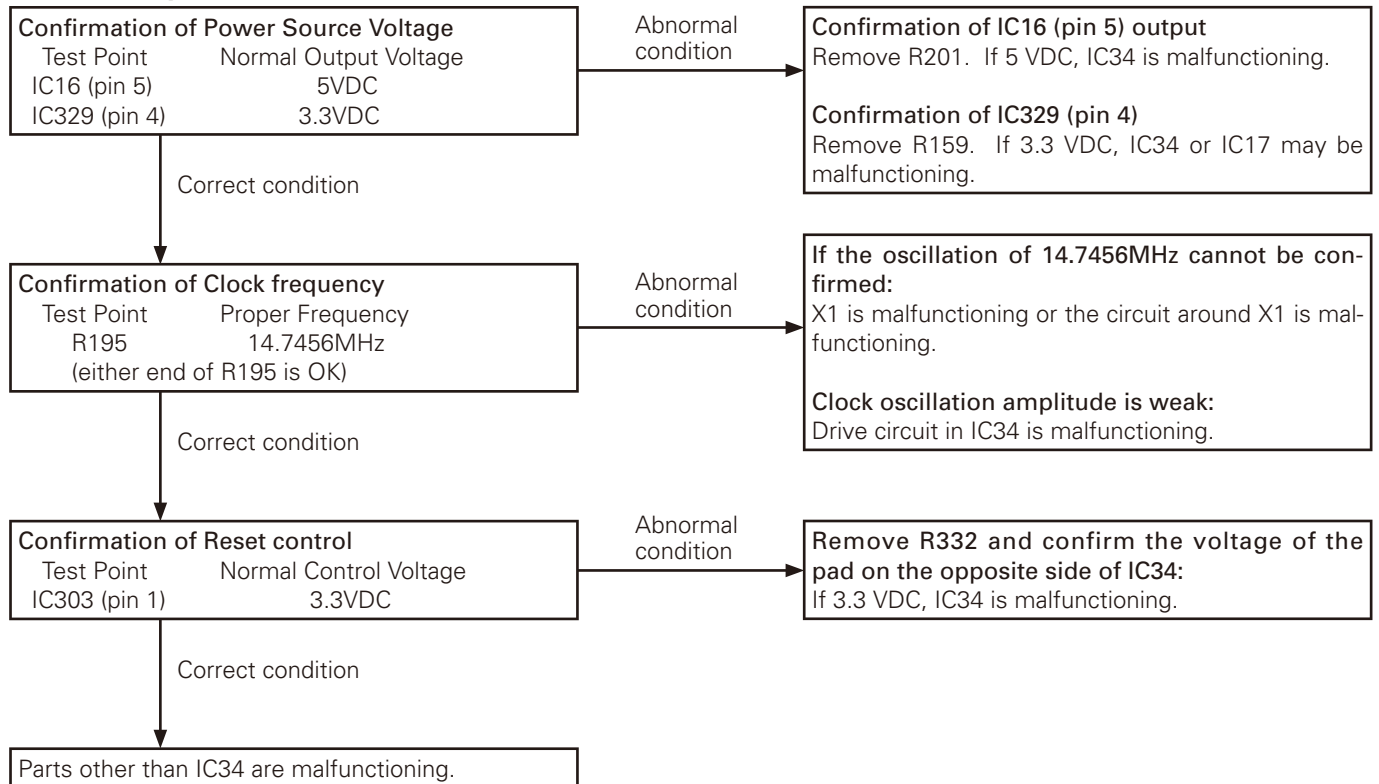


■ Traceability Procedure of IC325 (The Modem control MPU)



TROUBLE SHOOTING

■ Traceability Procedure of IC34 (The RF control MPU)



1-3. Hardware traceability (Method 2)

The NXR-800 control circuit executes the following procedures when the system starts up.

1. An external DC 13.8V power source is applied to the NXR-800 terminal.
2. The Modem control MPU (IC325) starts up.
3. The Modem control MPU (IC325) initiates all circuit blocks.
4. The Main MPU (IC703) and the RF control MPU (IC34) start up.

5. The Main MPU (IC703) confirms the operational status of the Modem control MPU (IC325) and the RF control MPU (IC34) by using 115.2kbps UART communications and then the operation transfer commands will be exchanged in order to integrate all hardware blocks.

The above steps 1 to 5 will be executed as follows.

Refer to the power supply diagram sequence below.



TROUBLE SHOOTING

■ Start-up of each Control Block

• Main MPU Block

Component elements:

- Main MPU: IC703
- Flash Memory: IC702
- SD RAM: IC704 and IC707
- LAN IC: IC719
- RTC: IC701

Overview of Start-up Operation:

When MPU reset line logic switches as high, the MPU starts reading the program from the flash memory and expands the program to SDRAM. Linux OS begins operation on the SDRAM after main MPU transfers the program. Main MPU works usage of Linux OS codes. The other higher-level applications software to the Linux OS will also be expanded in SDRAM. On starting up, main MPU verify the status of the registers in LAN IC except SDRAM which is purpose of backup data even if abnormal symptom detects in either LAN IC or SDRAM, the start-up process is not affected by this error; main MPU behaves operation as if it works properly. To express another word, either Flash memory or SDRAM has defective, a circuit behaves as if main MPU happens malfunction. After executing all initialization routines, the Main MPU verifies the operational status of each MPU then transmits/ receives the operation transfer command set to from the Modem control MPU (IC325) and the RF control MPU (IC34) using 115.2kbps UART communications.

• RF Control MPU Block

Component elements:

- RF control MPU: IC34
- Flash memory: IC17
- DSP: IC37

Overview of Start-up Operation:

When the RF control MPU (IC34) reset line logic switches as high, this MPU reads the boot program from the internal ROM of MPU and then initializes the peripheral devices. After this boot process completes, the MPU starts working with the programs (application programs) stored in flash memory (IC17) to process the preprogrammed tasks. During the process, the MPU transfers the program to the DSP IC (IC37). It also verifies the operating status of DSP at certain interval.

After a series of processes completes, the RF control MPU verifies the operational status and then transmits and receives the operation transfer command set to/from Main MPU (IC703) using 115200bps UART communications.

• Modem Control MPU Block

Component elements:

- Modem control MPU: IC325
- Flash memory: IC314
- RX DSP: IC323
- TS Vocoder DSP: IC324

Overview of Start-up Operation

When the Modem control MPU (IC325) reset line logic switches as high, the MPU reads the boot program from the internal ROM of MPU and then initializes the peripheral devices. After this boot-up process completes, the MPU starts working with the programs (application programs) stored in flash memory (IC314) to process the preprogrammed tasks. During the process, the MPU transfers the program to the RX DSP IC (IC323) and TX Vocoder DSP IC (IC324). It also confirms the operating status of these DSP ICs. After a series of processes completes, the Modem control MPU confirms the operational status and then transmits and receives the operation transfer command set to/from Main MPU (IC703) using 115200 bps UART communications.

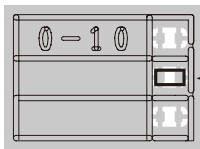
• Possible Symptoms if the Block (mainly BGA IC) Malfunctions

Ref. No.	Element of Block	Presumption Symptoms
IC703	Main MPU	• Since the boot program cannot be executed at all, the LEDs do not light or flash. • The operations that should be executed by IC703 are not processed. • Runaway of IC703.
IC17	Flash Memory on RF control MPU block	• Migrated to the programming mode (Write). ("PG" appears on the 17-segment LED display.) • The operations that should be executed by IC34 are not processed. • Runaway of IC34.
IC314	Flash Memory on Modem control block	• Migrated to the programming mode (Write). ("PG" appears on the 17-segment LED display.) • The operations that should be executed by IC325 are not processed. • Runaway of IC325.
IC323	RX DSP	• While the boot program is executed, the operation stops (the status LED is flashing). • The operations that should be executed by IC323 are not processed. • Runaway of IC323.
IC324	TX Vocoder DSP	• While the boot program is executed, the operation stops (the status LED is flashing). • The operations that should be executed by IC324 are not processed. • Runaway of IC324.

TROUBLE SHOOTING

2. Replacing control Unit

2-1. Control Unit information

Original Control Unit	Control Unit (Service unit)	Difference between original unit and Service Unit
X53-4130-10	X53-4130-11	Mounted chip at 0-11 location for Service Unit. 
X53-4140-10	X53-4140-11	

2-2. Supplied Accessories

Item (Including Part Number)	Quantity	
	X53-413	X53-414
Control Unit (X53-413)	1	-
Control Unit (X53-414)	-	1
Kenwood ESN Label	-	2
NXDN ESN Label	-	1
Addendum (B59-2536-XX)	1	1

2-3. Printed Circuit Board DATA

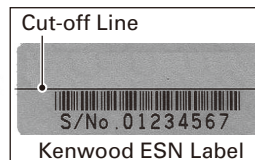
The following data is written on the circuit board:

Data Type	Description
Firmware	NXR-700/800 Firmware
FPU Data (PC programming mode)	NXR-700 K type data.
Various Adjustment Data (PC test mode)	General adjustment values for the NXR-700/800.
Kenwood ESN (X53-414 only)	Model Name: NXR-700/800S Type: K The same number as the Kenwood ESN label is written.
NXDN ESN (X53-414 only)	The same number as the NXDN ESN label is written.

rear view



Kenwood ESN Label



Side View



Note: For the X53-414, a UPC code and UPC barcode is not printed on the Kenwood ESN Label. If necessary, cut the label at the cut-off line and attach only the serial number.

2-4. After Changing the PCB

1. After changing the printed circuit board, write the up-to-date Firmware following the instructions in the "REALIGNMENT 4. Firmware Programming Mode".
2. Using the KPG-109D, select your desired item (Model Name and Frequency) from the Model > Product Information menu, then use Program > Write to the repeater to write the FPU data (PC Programming mode). When writing to the repeater, a Warning Message, corresponding to the item selected, appears. Click [OK] to continue writing the data.
3. Enter Program > Test mode, then adjust the various adjustment data (PC Test mode) as described in the "ADJUSTMENT".
4. For the X53-414, attach the new labels corresponding to the new printed circuit board. (Refer to the images below for label placement.)
5. If necessary, write the FPU data used by the customer with the KPG-109D or KPG-110SM.

Note:

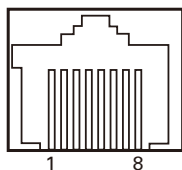
- When a new printed circuit board is used, the Kenwood ESN changes, as does the Repeater Information display of the KPG-109D, but this does not have any effect on the operation of the transceiver.
- If changing to the original Kenwood ESN and NXDN ESN, please contact our service center.
- Re-installing other parts from original unit to Service unit is not required after changing to Service unit.

ADJUSTMENT

Test Equipment Required for Alignment

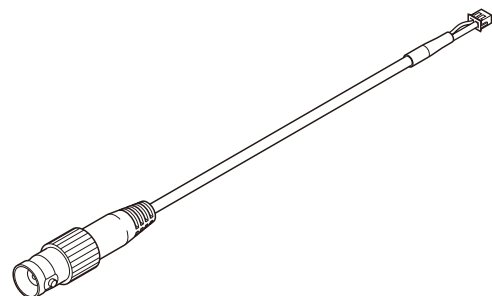
Test Equipment	Major Specifications	
1. Standard Signal Generator (SSG)	Frequency Range Modulation Output	400 to 512MHz Frequency modulation and external modulation 0.1μV to greater than 1mV
2. Power Meter	Input Impedance Operation Frequency Measurement Capability	50Ω 400 to 512MHz or more Vicinity of 100W
3. Deviation Meter	Frequency Range	400 to 512MHz
4. Digital Volt Meter (DVM)	Measuring Range Input Impedance	1V to 20V DC High input impedance for minimum circuit loading
5. Oscilloscope		DC through 30MHz
6. High Sensitivity Frequency Counter	Frequency Range Frequency Stability	10Hz to 600MHz 0.2ppm or less
7. Ammeter		15A or more
8. AF Volt Meter (AF V.M)	Frequency Range Voltage Range	50Hz to 10kHz 3mV to 3V
9. Audio Generator (AG)	Frequency Range Output	50Hz to 5kHz 0 to 1V
10. Distortion Meter	Capability Input Level	1% or less at 1kHz 50mV to 10Vrms
11. Voltmeter	Measuring Range Input Impedance	10V to 1.5V DC or less 50kΩ/V or greater
12. 4Ω Dummy Load		Approx. 4Ω, 5W
13. Spectrum Analyzer	Frequency Range Input Level Input Sensitivity Resolution Bandwidth Video Bandwidth	40MHz to 520MHz Up to +20dBm -100dBm 100Hz 100Hz
14. Tracking Generator	Frequency Range Output Level	40MHz to 520MHz -30dBm to 0dBm

MIC connector (Front panel view)

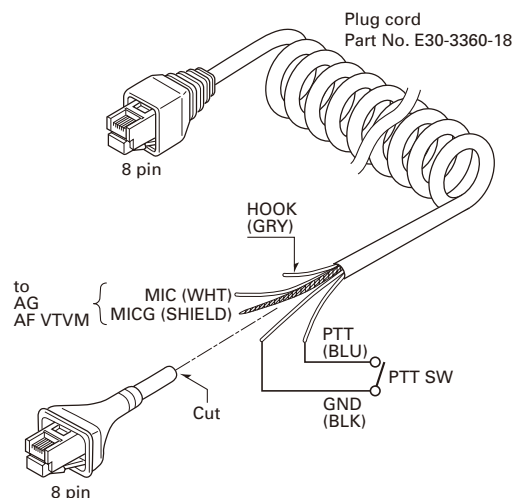


- | | |
|--------|---------|
| 1: NC | 5: MIG |
| 2: SB | 6: MIC |
| 3: GND | 7: HOOK |
| 4: PTT | 8: NC |

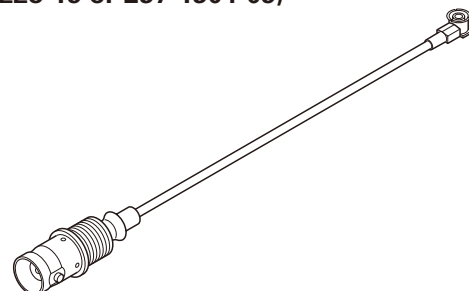
Jig for MCF adjustment (W05-1000-00)



Test cable for microphone input (E30-3360-18)

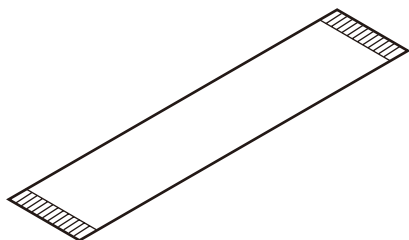


Jig for Drive AMP adjustment (E30-3228-15 or E37-1304-05)

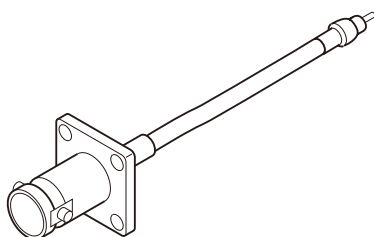


ADJUSTMENT

Flat cable (36-pin) about 256mm (E37-0979-05)



ANT Jig for BPF adjustment (E30-3418-08)



Test Signaling

■ Analog

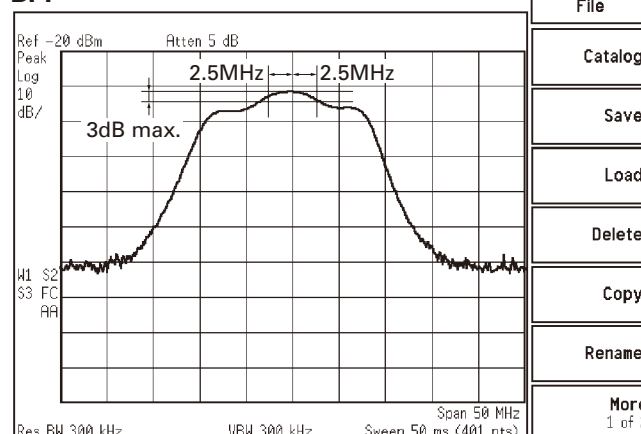
No.	Decode tone	Encode tone
1	None	None
2	None	100Hz square wave
3	QT 67.0Hz	QT 67.0Hz
4	QT 151.4Hz	QT 151.4Hz
5	QT 210.7Hz	QT 210.7Hz
6	QT 254.1Hz	1QT 254.1Hz
7	DQT D023N	DQT D023N
8	DQT D754I	DQT D754I
9	None	CWID encode (ID: VVV)
10	None	Single tone
11	DTMF decode (Code: 159D)	DTMF encode (Code: 159D)
12	None	DTMF encode (Code: 9)
13	None	Courtesy tone

■ NXDN

No.	Decode tone	Encode tone
1	RAN1	RAN1
2	RAN1	PN9
3	RAN1	Maximum deviation pattern

- Signaling number 1 is used for link test with voice.
- Signaling number 2 is used for TX modulation signal quality test. i.e, TX adjacent channel power, FSK error, Occupied bandwidth, Emission mask, etc.
- Signaling number 3 is used for TX deviation test. If the modulation mode is very narrow, the modulation frequency is 600Hz. If the modulation mode is narrow, the modulation frequency is 1200Hz.

BPF



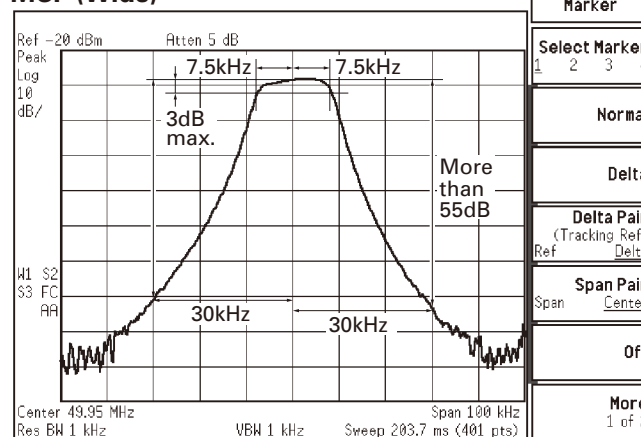
BPF center frequency (Production default)

K: 465MHz, K2: 496MHz

Pass bandwidth ± 2.5 MHz at 3dB

Fig. 1

MCF (Wide)

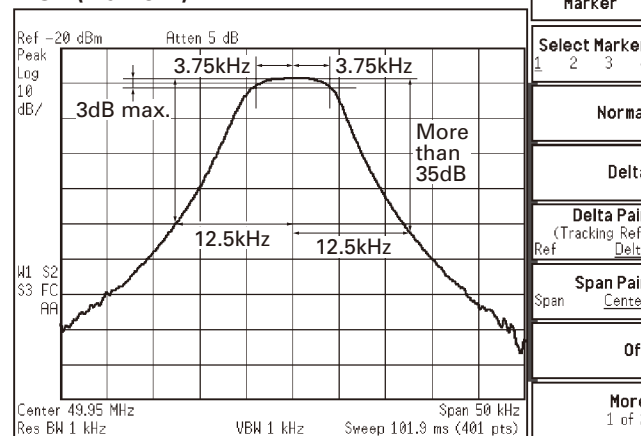


Center frequency: 49.95MHz

Pass bandwidth ± 7.5 MHz at 3dB

Fig. 2

MCF (Narrow)



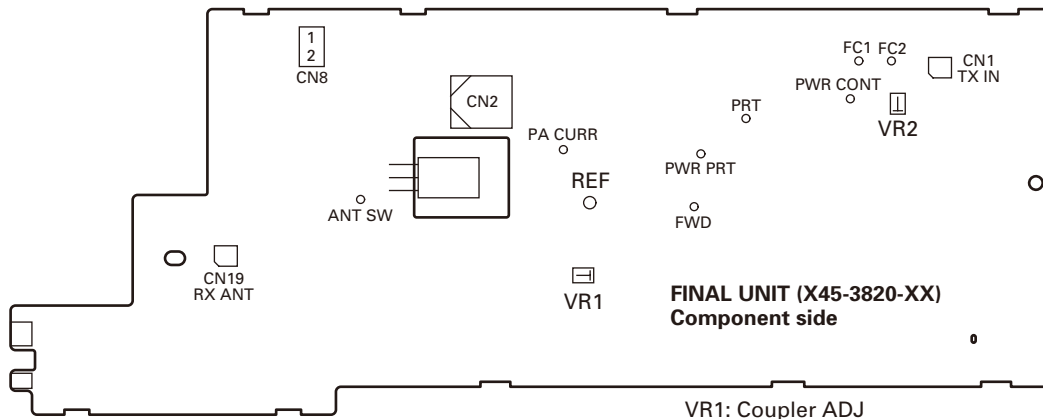
Center frequency: 49.95MHz

Pass bandwidth ± 3.75 MHz at 3dB

Fig. 3

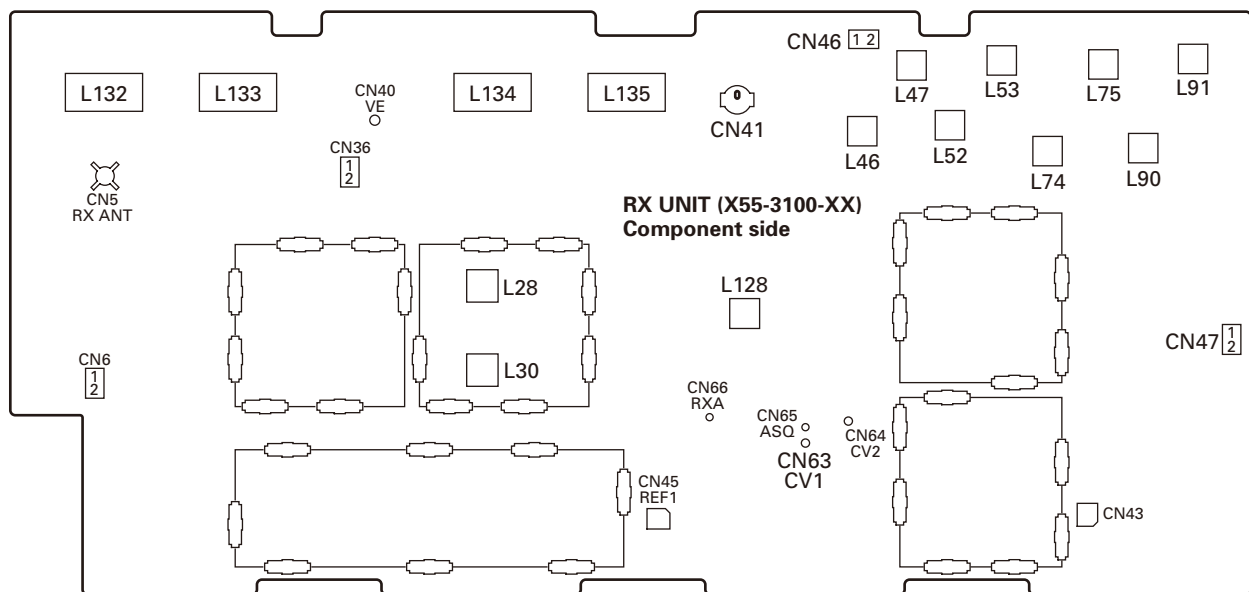
ADJUSTMENT

Adjustment Points



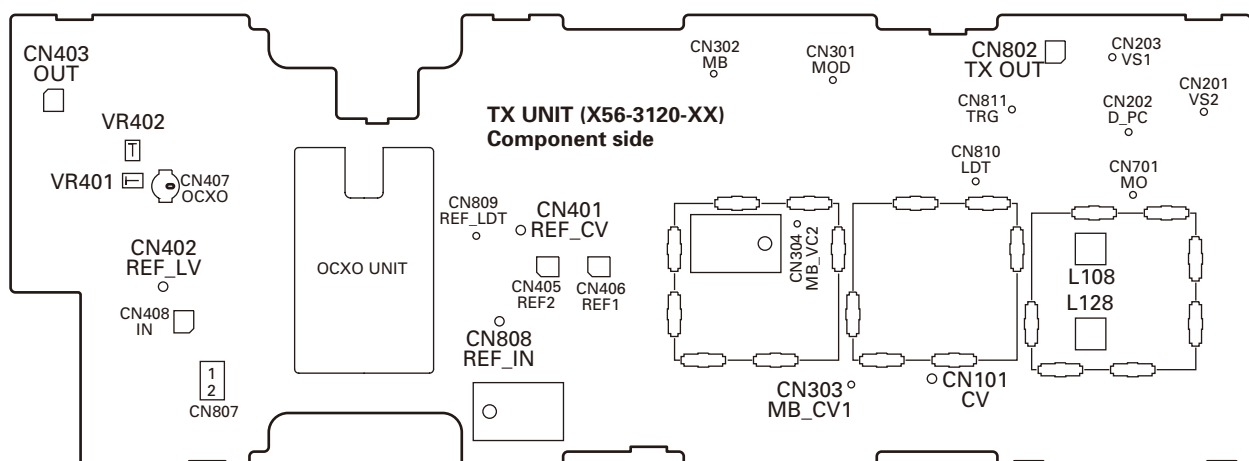
VR1: Coupler ADJ

VR2: High Transmit Power (Pre ADJ)



L28,30: Receive VCO Lock Voltage (Adjustment)
L132~135: BPF

L46,52,74,90: MCF WIDE
L47,53,75,91: MCF NARROW
L128: Discriminator



L108,128: Transmit VCO Lock Voltage (Adjustment)
VR401,402: Reference Signal

ADJUSTMENT

Alignment

Item	Condition	Measurement			Adjustment			Specifications / Remarks	
		Test-equipment	Unit	Terminal	Unit	Parts	Method		
1. Setting	1) Connect the DC power output to the rear panel DC terminal (13.8V). 2) Connect the front panel COM port (D-sub 9 connector) to the PC serial port with a cross cable. 3) Activate the FPU to go to the test mode.								
2. Temperature Sensor	1) Receive unit (Celsius or Fahrenheit)	Thermometer		Room temperature	RX	PC ADJ	Measuring room temperature, write the value with PC.		
	2) Transmit unit (Celsius or Fahrenheit)				TX				
3. Driver Amplifier Power (Pre ADJ)	1) Low 2) Center 3) High					PC ADJ	Value: 1	Fixed value writing	
4. RF Power Down Detection	1) High 2) Low					PC ADJ	Value: 1	Fixed value writing	
5. VCO Lock Voltage	1) REF Low SSG frequency: 10MHz -10ppm (9.99999MHz) SSG output: -10dBm	SSG DVM	TX	REF IN REF CV (CN401)			Check	1.5V or more	
	2) REF High SSG frequency: 10MHz +10ppm (10.00001MHz) SSG output: +10dBm							3.5V or less	
	3) MOD Low SSG frequency: 10MHz -10ppm (9.99999MHz) SSG output: -10dBm			REF IN MB_CV1 (CN303)				1.5V or more	
	4) MOD High SSG frequency: 10MHz +10ppm (10.00001MHz) SSG output: +10dBm							3.5V or less	
6. Transmit VCO Lock Voltage (Adjustment)	1) A: Low	DVM	TX	CV	TX	L128	Adjust the interval of the L128. 1.35~1.55V		
	2) B: Low					L108	Adjust the interval of the L108. 1.35~1.55V		
7. Receive VCO Lock Voltage (Adjustment)	1) A: Low	DVM	RX	CV1	RX	L28	Adjust the interval of the L28. 0.90~0.95V	Make the adjustments after inserting the insulating tube in the L28 and L30 coils and applying the high frequency varnish.	
	2) B: Low					L30	Adjust the interval of the L30. 1.05~1.10V K 1.10~1.15V K2		
8. Fixation of Oscillation Coil	1) Apply the high-frequency varnish to the adjusted Transmit VCO coil (L128, L108) and cover it with a shield cover. 2) Apply the high-frequency varnish to the adjusted Receive VCO coil (L28, L30) and cover it with a shield cover.								
9. Transmit VCO Lock Voltage (Check)	1) A: High	DVM	TX	CV			Check	3.6~4.2V	
	2) B: High								

ADJUSTMENT

Item	Condition	Measurement			Adjustment			Specifications / Remarks
		Test-equipment	Unit	Terminal	Unit	Parts	Method	
10. Receive VCO Lock Voltage (Check)	1) A: Low	DVM PC	RX	CV1			Check	0.8~1.2V
	2) A: High							3.5~4.2V
	3) B: Low							0.8~1.2V
	4) B: High							3.0~3.7V K 3.3~4.0V K2
11. Reference Signal The switching circuit to switch the OCXO and the internal reference oscillation	1) Connecting SSG to REF IN and 50Ω-load parallel. SSG frequency: 10MHz SSG output: +0dBm (224mV)	SSG Spectrum analyzer	Rear TX	REF IN REF OUT	TX	VR402	+8~+9dBm	The OCXO LED (orange) lights.
	2) SSG frequency: 10MHz SSG output: +0dBm (224mV)	SSG Oscilloscope	Rear TX	REF IN REV_LV		VR401	2.0Vp-p	The OCXO LED (green) lights.
	3) SSG frequency: 10MHz SSG output: +10dBm (708mV)	SSG Spectrum analyzer	Rear TX	REF IN REF OUT			Check	REF OUT: +10dBm or less The OCXO LED (orange) lights.
	4) SSG frequency: 10MHz SSG output: −7dBm (99.9mV)							REF OUT: −50dBm or less The OCXO LED goes off.
12. VCXO	1) Confirm that there is no OCXO and external reference input.	F. counter PC	TX	REF_IN		PC ADJ	5.99MHz+0.3ppm	±0.15ppm (5.99000270~5.99000090MHz) It takes a time from movement of adjustment value to stability.
13. Maximum Deviation (NXDN)	1) NXDN Narrow					PC ADJ	Value: 22800	Fixed value writing
	2) NXDN Very Narrow						Value: 10000	
14. Driver Amplifier Power	Disconnect the cable from TX OUT and insert a cable from power meter. After the adjustment, connect the cable to TX OUT. 1) Low 2) Center 3) High	Power meter	TX	TX OUT (CN802)		PC ADJ	+20.0dBm (100mW)	±0.1dBm Disconnect the cable from TX OUT and insert a cable from power meter. After the adjustment, connect the cable to TX OUT.
15. High Transmit Power (Pre ADJ)	1) Low	Power meter PC	Rear	TX ANT		PC ADJ	Value: 1024	Fixed value writing
					Final	VR2	5.0W	±0.1W
16. Coupler ADJ	1) Low	DVM	Final	REF	Final	VR1	0.09~0.14V	Adjust to the minimum value, if it is not reduced to 0.14V.
17. High Transmit Power (Max power limit ADJ)	1) High	Power meter PC	Rear	TX ANT		PC ADJ	Value: 1024	Fixed value writing
					Final	VR2	7.0W	±0.2W
	2) Low					PC ADJ	Value: 1024	Fixed value writing
							Check	6.5W or more

ADJUSTMENT

Item	Condition	Measurement			Adjustment			Specifications / Remarks
		Test-equipment	Unit	Terminal	Unit	Parts	Method	
18. High Transmit Power	Frequency 1) Low 2) Center 3) High Attach the EXCITER/FINAL shield cover.	Power meter Ammeter	Rear	TX ANT		PC ADJ	5.0W	±0.1W 4.4A or less
19. Low Transmit Power	Frequency 1) Low 2) Center 3) High Attach the EXCITER/FINAL shield cover.						0.50W	±0.01W 3.3A or less
20. Deviation (The transmission VCO band is separated into A and B. 3-points for each, i.e., total of 6-points shall be adjusted.)	Mode: NXDN Wide/Narrow: Very Narrow Connect the deviation meter to the TX ANT end via the ATT. Deviation meter setting HPF: OFF LPF: 15kHz De-emp: OFF Detector: (p-p)/2 Modulation pattern : 100Hz square signal 1) A: Low 2) A: Center 3) A: High 4) B: Low 5) B: Center 6) B: High	Deviation meter Oscilloscope PC	Rear	TX ANT		PC ADJ	±1.10kHz Adjust it into clean square wave with changing "Sub-audible Gain" and "Audible Gain".	±0.05kHz Connect the deviation meter to the TX ANT end via the ATT.
	Mode: NXDN Wide/Narrow: Narrow Connect the deviation meter to the TX ANT end via the ATT. Deviation meter setting HPF: OFF LPF: 15kHz De-emp: OFF Detector: +peak, -peak Modulation pattern : Max deviation pattern 1) A (Low)						Check	±3.06kHz±0.10kHz Clean sine wave.
21. Maximum Deviation (Analog)	1) Channel: 3 (Center) Wide/Narrow: Analog Wide Connect the deviation meter to the TX ANT end via the ATT. Deviation meter setting HPF: OFF LPF: 15kHz De-emp: OFF Detector: +peak, -peak AG setting: 1kHz/45mVrms (Sine wave, Terminal load)	Deviation meter AG DVM	Rear Front	TX ANT MIC		PC ADJ	±4.1kHz	±0.2kHz Connect the deviation meter to the TX ANT end via the ATT.
	2) Channel: 3 (Center) Wide/Narrow: Analog Narrow Connect the deviation meter to the TX ANT end via the ATT. AG setting: 1kHz/55mVrms (Sine wave, Terminal load)						±1.7kHz	±0.1kHz

ADJUSTMENT

Item	Condition	Measurement			Adjustment			Specifications / Remarks
		Test-equipment	Unit	Terminal	Unit	Parts	Method	
22. Standard Modulation Check	1) Channel: 3 (Center) Wide/Narrow: Analog Wide Connect the deviation meter to the TX ANT end via the ATT. Deviation meter setting HPF: OFF LPF: 15kHz De-emp: OFF Detector: (p-p)/2 AG setting : 1kHz/±3kHz DEV (Sine wave, Terminal load)	Deviation meter AG DVM	Rear Front	TX ANT MIC			Check	4.5mV±1.5mV Connect the deviation meter to the TX ANT end via the ATT.
	2) Channel: 3 (Center) Wide/Narrow: Analog Narrow Connect the deviation meter to the TX ANT end via the ATT. AG setting : 1kHz/±1.5kHz DEV (Sine wave, Terminal load)							5.5mV±1.5mV
23. QT Deviation	1) Channel: 3 (Center) Wide/Narrow: Analog Wide Connect the deviation meter to the TX ANT end via the ATT. Deviation meter setting HPF: OFF LPF: 3kHz De-emp: OFF Detector: p-p/2	Deviation meter	Rear	TX ANT		PC ADJ	±0.75kHz	±0.05kHz Connect the deviation meter to the TX ANT end via the ATT.
	2) Channel: 3 (Center) Wide/Narrow: Analog Narrow						±0.35kHz	±0.05kHz
24. DQT Deviation	1) Channel: 3 (Center) Wide/Narrow: Analog Wide Connect the deviation meter to the TX ANT end via the ATT. Deviation meter setting HPF: OFF LPF: 3kHz De-emp: OFF Detector: Peak hold	Deviation meter	Rear	TX ANT		PC ADJ	±0.75kHz	±0.05kHz Connect the deviation meter to the TX ANT end via the ATT.
	2) Channel: 3 (Center) Wide/Narrow: Analog Narrow						±0.35kHz	±0.05kHz
25. CW ID Deviation	1) Channel: 3 (Center) Wide/Narrow: Analog Wide Connect the deviation meter to the TX ANT end via the ATT. Deviation meter setting HPF: OFF LPF: 15kHz De-emp: OFF Detector: +peak, -peak	Deviation meter	Rear	TX ANT		PC ADJ	±2.00kHz	±0.05kHz Connect the deviation meter to the TX ANT end via the ATT.
	2) Channel: 3 (Center) Wide/Narrow: Analog Narrow						±1.00kHz	±0.05kHz

ADJUSTMENT

Item	Condition	Measurement			Adjustment			Specifications / Remarks
		Test-equipment	Unit	Terminal	Unit	Parts	Method	
26. Test Tone Deviation	1) Channel: 3 (Center) Wide/Narrow: Analog Wide Connect the deviation meter to the TX ANT end via the ATT. Deviation meter setting HPF: OFF, LPF: 15kHz De-emp: OFF Detector: (p-p)/2	Deviation meter	Rear	TX ANT		PC ADJ	±3.00kHz	±0.05kHz Connect the deviation meter to the TX ANT end via the ATT.
	2) Channel: 3 (Center) Wide/Narrow: Analog Narrow						±1.50kHz	±0.05kHz
27. DTMF Deviation	1) Channel: 3 (Center) Wide/Narrow: Analog Wide Connect the deviation meter to the TX ANT end via the ATT. Deviation meter setting HPF: OFF, LPF: 15kHz De-emp: OFF Detector: (p-p)/2	Deviation meter	Rear	TX ANT		PC ADJ	±2.85kHz	±0.05kHz Connect the deviation meter to the TX ANT end via the ATT.
	2) Channel: 3 (Center) Wide/Narrow: Analog Narrow						±1.50kHz	±0.05kHz
28. Courtesy Tone Deviation	1) Channel: 3 (Center) Wide/Narrow: Analog Wide Connect the deviation meter to the TX ANT end via the ATT. Deviation meter setting HPF: OFF, LPF: 15kHz De-emp: OFF Detector: (p-p)/2	Deviation meter	Rear	TX ANT		PC ADJ	±1.00kHz	±0.05kHz Connect the deviation meter to the TX ANT end via the ATT.
	2) Channel: 3 (Center) Wide/Narrow: Analog Narrow						±0.50kHz	±0.05kHz
29. TD Deviation	1) Channel: 3 (Center) Wide/Narrow: Analog Wide Connect the deviation meter to the TX ANT end via the ATT. Deviation meter setting HPF: OFF, LPF: 3kHz De-emp: OFF Detector: +peak, -peak AG setting : 0.1kHz/0.5Vp-p (177mVrms)	Deviation meter AG DVM	Rear	TX ANT CONTROL I/O jack TD (pin 8)		PC ADJ	±0.75kHz	±0.02kHz Connect the deviation meter to the TX ANT end via the ATT.
	2) Channel: 3 (Center) Wide/Narrow: Analog Narrow						±0.75kHz	±0.02kHz
30. Transmit Audio Input (TA)	1) Channel: 3 (Center) Wide/Narrow: Analog Wide Connect the deviation meter to the TX ANT end via the ATT. Deviation meter setting HPF: OFF, LPF: 15kHz De-emp: OFF Detector: +peak, -peak AG setting : 1kHz/280mVrms	Deviation meter AG DVM	Rear	TX ANT CONTROL I/O jack TA (pin 9)		PC ADJ	±3.00kHz	±0.03kHz Connect the deviation meter to the TX ANT end via the ATT.
	2) Channel: 3 (Center) Wide/Narrow: Analog Narrow						±1.50kHz	±0.02kHz

ADJUSTMENT

Item	Condition	Measurement			Adjustment			Specifications / Remarks
		Test-equipment	Unit	Terminal	Unit	Parts	Method	
31. BPF	1) Tracking generator Output: -20dBm Spectrum analyzer Frequency: Desired frequency Span: 50MHz	Tracking generator Spectrum analyzer	Rear RX	RX ANT CN41	RX	L132 L133 L134 L135	Adjust it by the programmed frequency to look like the wave in figure 1.	Refer to Fig. 1. (Page 50)
32 MCF	1) Wide Tracking generator Output: -20dBm Spectrum analyzer Frequency: 49.95MHz Span: 100kHz	Tracking generator Spectrum analyzer	Rear RX	CN46 CN47	RX	L46 L52 L74 L90	Adjust it to look like the wave in figure 2.	Refer to Fig. 2. (Page 50)
	2) Narrow Spectrum analyzer Span: 50kHz					L47 L53 L75 L91	Adjust it to look like the wave in figure 3.	Refer to Fig. 3. (Page 50)
33. Discriminator	1) Narrow Frequency: Desired frequency SSG output: -53dBm (501μV) SSG MOD: 1kHz SSG DEV: 1.5kHz AF output: 2V/4Ω	SSG AF V.M	Rear	RX ANT TEST/ SPKR jack SPO (pin 12) 4Ω load	RX	L128	Adjust AF output max.	
34. RD Level	1) Wide/Narrow: Analog Wide Connect the SSG to the RX ANT. SSG setting Frequency: Desired frequency Output: -53dBm (501μV) MOD: 1kHz DEV: ±3.0kHz	SSG AF V.M	Rear	RX ANT CONTROL I/O jack RD (pin 10)		PC ADJ	80mV	±5mV
	2) Wide/Narrow: Analog Narrow SSG setting DEV: ±1.5kHz							
35. RA Level	1) Wide/Narrow: Analog Wide Connect the SSG to the RX ANT. SSG setting Frequency: Desired frequency Output: -53dBm (501μV) MOD: 1kHz DEV: ±3.0kHz	SSG AF V.M	Rear	RX ANT CONTROL I/O jack RA (pin 11)		PC ADJ	400mV	±20mV
	2) Wide/Narrow: Analog Narrow SSG setting DEV: ±1.5kHz							
36. Receiver Sensitivity Check	1) Wide/Narrow: Analog Wide Connect the SSG to the RX ANT. SSG setting Frequency: Desired frequency MOD: 1kHz DEV: ±3.0kHz AF: 0.45V/4Ω	SSG Distortion meter	Rear	RX ANT TEST/ SPKR jack SPO (pin 12) 4Ω load			Check	-115dBm (0.4μV) or less
	2) Wide/Narrow: Analog Narrow SSG setting DEV: ±1.5kHz							

ADJUSTMENT

Item	Condition	Measurement			Adjustment			Specifications / Remarks
		Test-equipment	Unit	Terminal	Unit	Parts	Method	
37. Tight Squelch	1) Wide/Narrow: Analog Wide Connect the SSG to the RX ANT. SSG setting Frequency: Desired frequency Output: 12dB SINAD level +7dB MOD: 1kHz DEV: ±3.0kHz	SSG Oscilloscope	Rear	RX ANT TEST/ SPKR jack SPO (pin 12) 4Ω load		PC ADJ	Adjust it to the level to open the squelch.	
						Check	The squelch shall be closed.	
	3) Wide/Narrow: Analog Narrow SSG setting DEV: ±1.5kHz					PC ADJ	Adjust it to the level to open the squelch.	
	4) SSG output: OFF						Check	The squelch shall be closed.
38. Open Squelch	1) Wide/Narrow: Analog Wide Connect the SSG to the RX ANT. SSG setting Frequency: Desired frequency Output: 12dB SINAD level −2dB MOD: 1kHz DEV: ±3.0kHz	SSG Oscilloscope	Rear	RX ANT TEST/ SPKR jack SPO (pin 12) 4Ω load		PC ADJ	Adjust it to the level to open the squelch.	
	2) SSG output: OFF	SSG Audio analyzer	Rear	RX ANT TEST/ SPKR jack SPO (pin 12) 4Ω load			Check	The squelch shall be closed.
	3) Wide/Narrow: Analog Narrow SSG setting DEV: ±1.5kHz					PC ADJ	Adjust it to the level to open the squelch.	
	4) SSG output: OFF						Check	The squelch shall be closed.
39. RSSI	Wide/Narrow: Analog Wide Connect the SSG to the RX ANT. SSG setting Frequency: Desired frequency MOD: 1kHz DEV: ±1.5kHz Narrow 1) SSG output: −53dBm (501μV)	SSG AF V.M	Rear	RX ANT TEST/ SPKR jack RSSI (pin 8)		PC ADJ	3.5V	±0.1V
	2) Point: High Level SSG output : 12dB SINAD level +7dB						Import the value to a PC.	
	3) Point: Low Level SSG output : 12dB SINAD level −2dB							
40. Repeater Gain	1) Wide/Narrow: Analog Wide Connect the SSG to the RX ANT. SSG setting Frequency: Desired frequency Output: −53dBm (501μV) MOD: 1.0kHz DEV: ±1.0kHz Connect the deviation meter to the TX ANT end via the ATT. Deviation meter setting HPF: OFF LPF: 15kHz De-emp: OFF Detector: +peak, −peak	SSG Deviation meter	Rear	RX ANT TX ANT		PC ADJ	±1.00kHz	±0.10kHz
	2) Wide/Narrow: Analog Narrow							±1.00kHz

ADJUSTMENT

Adjustment for KXK-3 (OCXO unit)

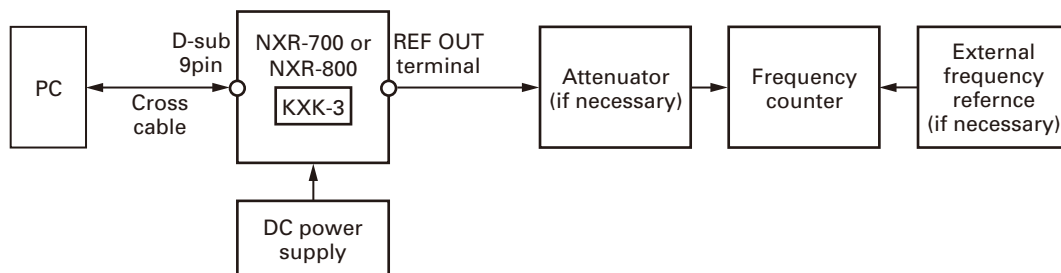
We recommend that the frequency adjustment be checked each time the radio is serviced, or at least once per year. Maintenance should only be performed under normal temperatures.

Test Equipment Required for Alignment

Test Equipment	Major Specifications	
1. Frequency Counter	Frequency Range	Up to 50MHz
	Resolution	9 digits
	Reference Frequency Accuracy	Smaller than 0.01ppm
	Input level	Up to 5Vpp

Adjustment Setup

The KXK-3 OCXO unit must be mounted on the NXR-700 or NXR-800 repeater. Adjustment setup is shown as follows.



To adjust the KXK-3 OCXO unit, some preparations are required.

1. The NXR-700 or NXR-800 with the KXK-3 OCXO unit must be warmed up at least 24 hours before the adjustment is made. The environment temperature must be stable.
2. The frequency counter (or reference oscillator) must be warmed up as defined by the equipment manufacturer.

Adjustment

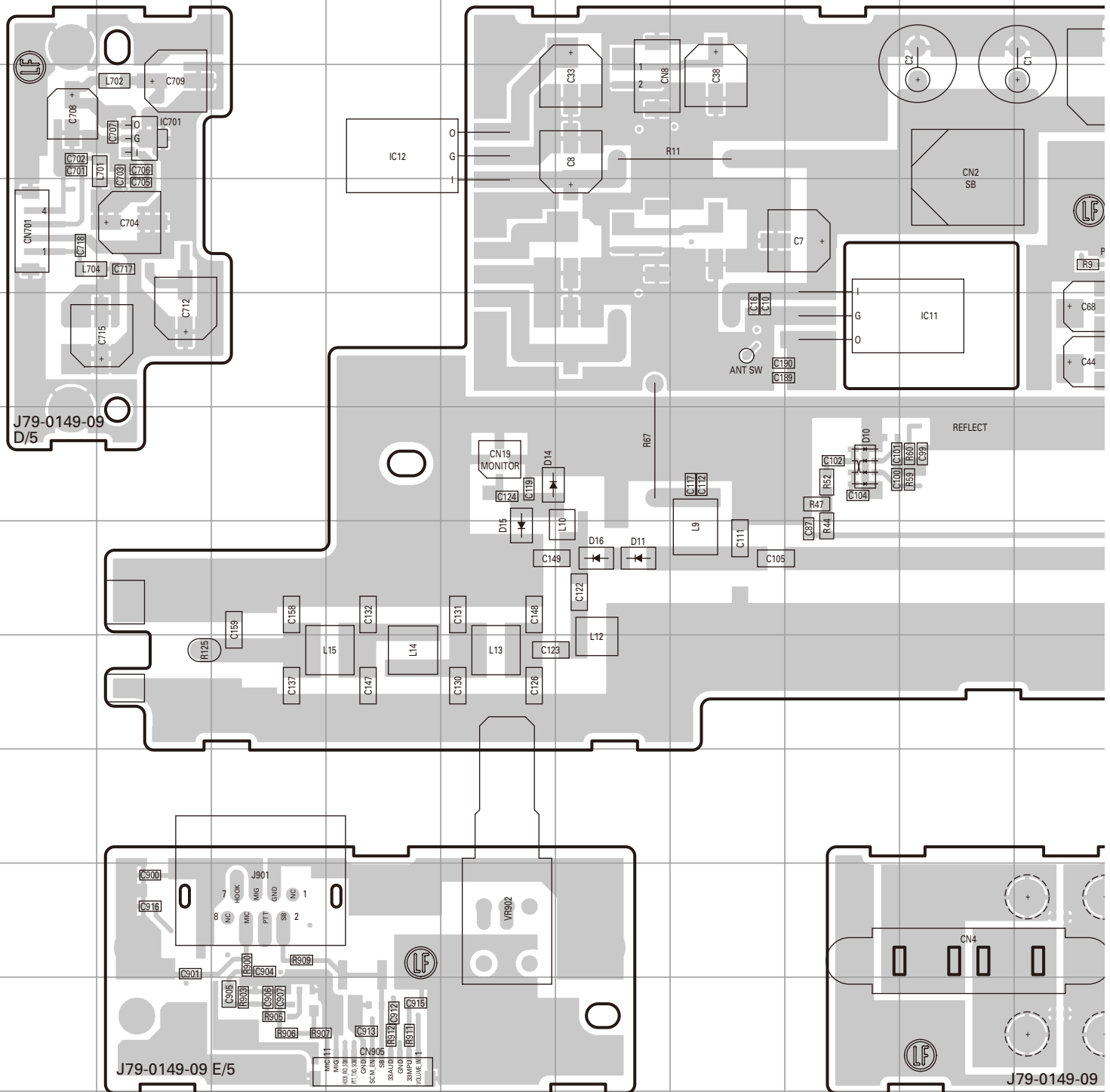
Item	Condition	Measurement			Adjustment			Specifications / Remarks
		Test-equipment	Unit	Terminal	Unit	Parts	Method	
1. Setting	1) Connect the DC power output to the rear panel DC terminal (13.8V). 2) Connect the “REF OUT” terminal to the frequency counter. 3) Warm-up the equipment and KXK-3 properly. 4) Connect the front panel COM port (D-sub 9 connector) to the PC serial port with a cross cable. 5) Activate the FPU to go to the test mode.							
2. OCXO frequency adjustment		f. counter	Rear	REF OUT		PC ADJ		±0.15ppm 9.99999850MHz~ 10.00000150MHz

Note:

Adjusted data is stored in the KXK-3 internal memory, therefore no re-adjustment is required when the adjusted KXK-3 is moved to another NXR-700 or NXR-800.

NXR-800 PC BOARD

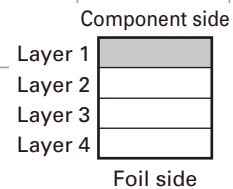
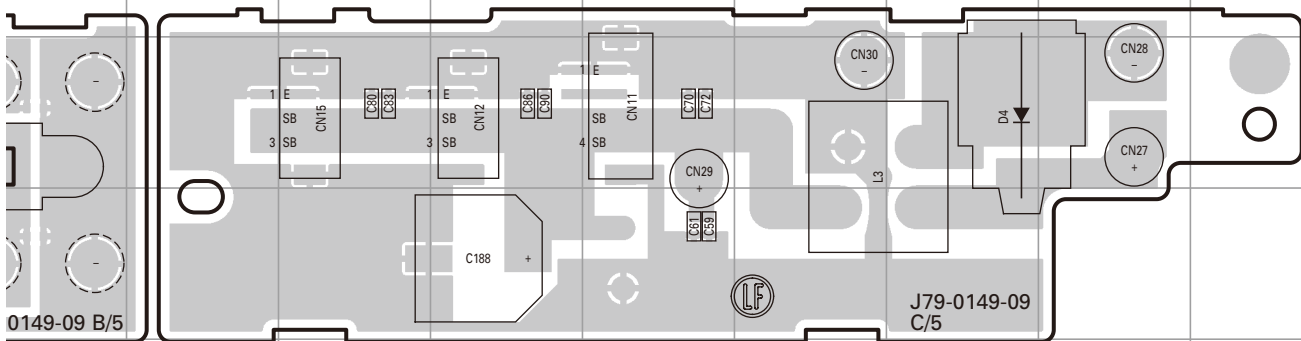
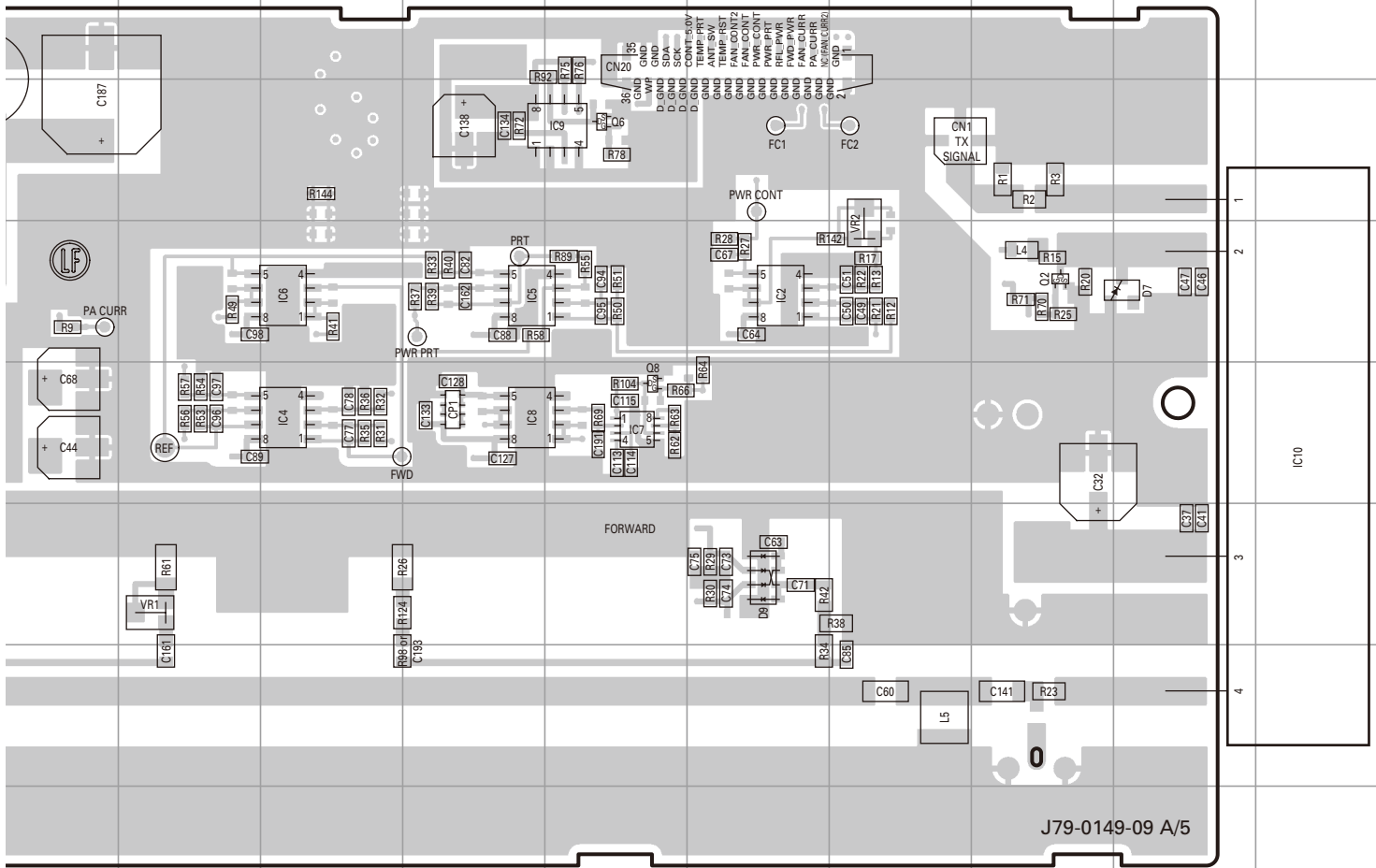
FINAL UNIT (X45-3820-XX) -10 : K -11 : K2
Component side view (J79-0149-09)



Ref. No.	Address	Ref. No.	Address	Ref. No.	Address	Ref. No.	Address	Ref. No.	Address
IC2	4O	IC8	5M	IC701	3B	D7	4R	D15	7E
IC4	5L	IC9	3N	Q2	4Q	D9	6O	D16	7F
IC5	4M	IC10	5S	Q6	3N	D10	6H		
IC6	4L	IC11	5I	Q8	5N	D11	7F		
IC7	5N	IC12	3D	D4	10P	D14	6E		

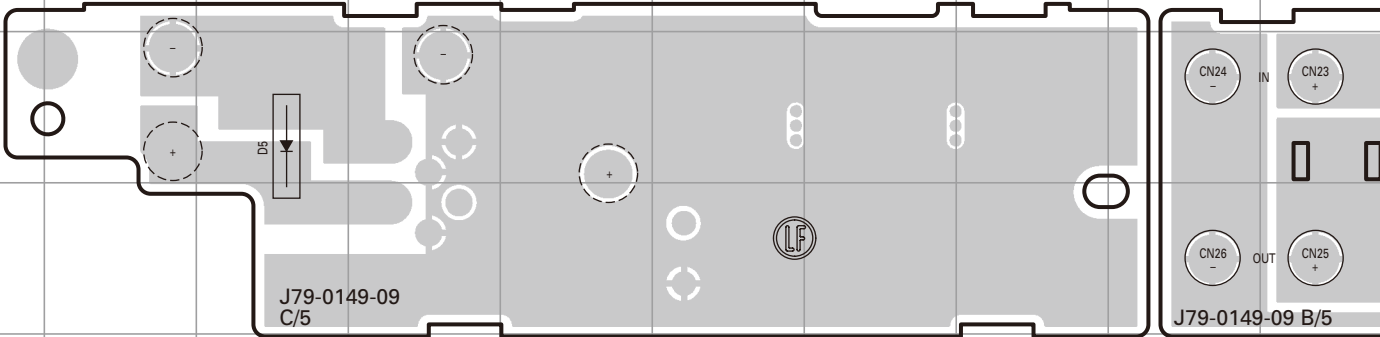
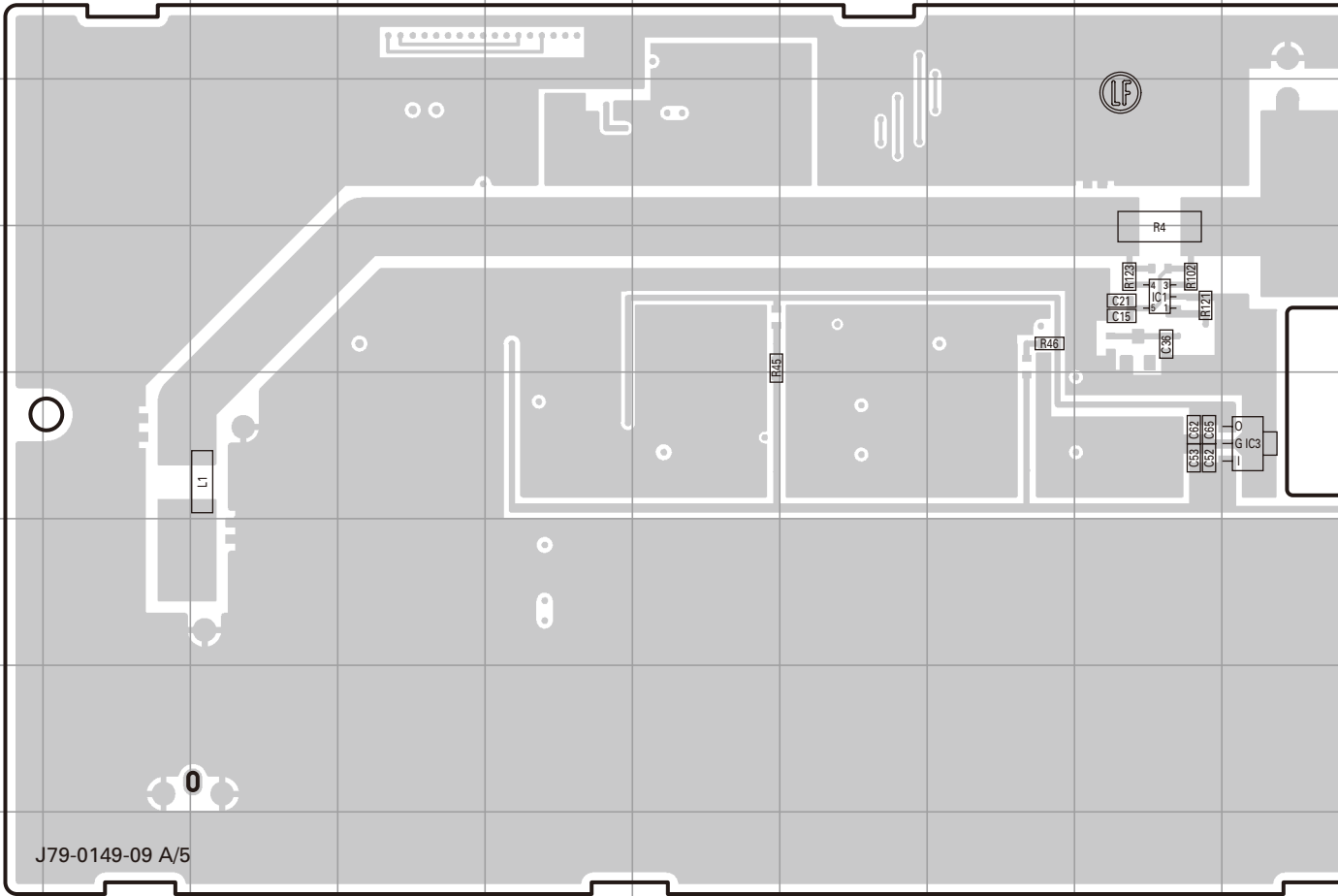
PC BOARD NXR-800

FINAL UNIT (X45-3820-XX) -10 : K -11 : K2
Component side view (J79-0149-09)



NXR-800 PC BOARD

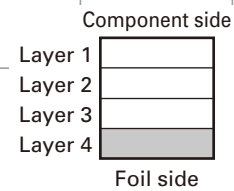
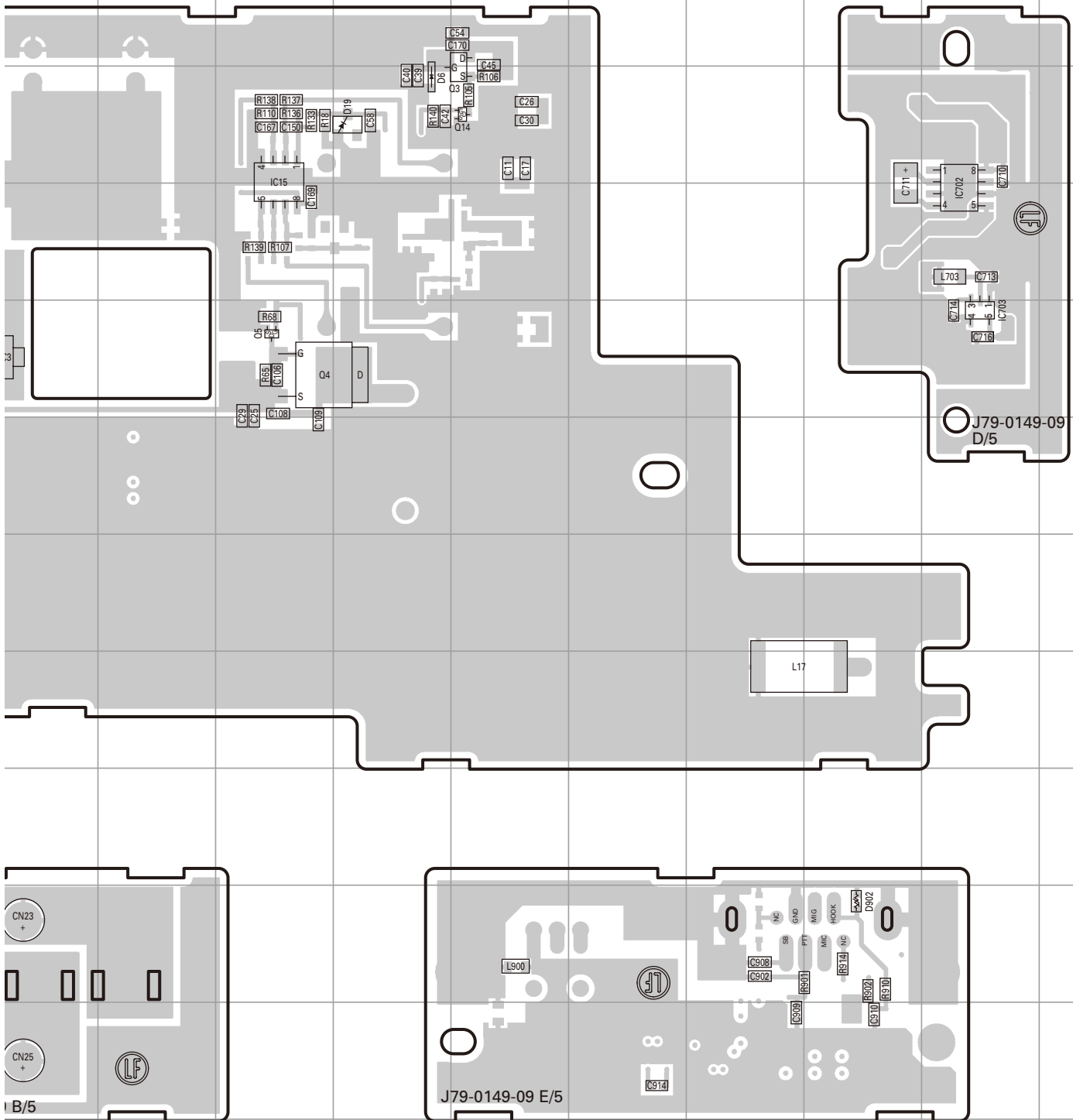
FINAL UNIT (X45-3820-XX) -10 : K -11 : K2
Foil side view (J79-0149-09)



Ref. No.	Address	Ref. No.	Address	Ref. No.	Address
IC1	4I	Q3	3N	D6	3M
IC3	5J	Q4	5L	D19	3M
IC15	3L	Q5	5L	D902	10Q
IC702	4R	Q14	3N		
IC703	5R	D5	10C		

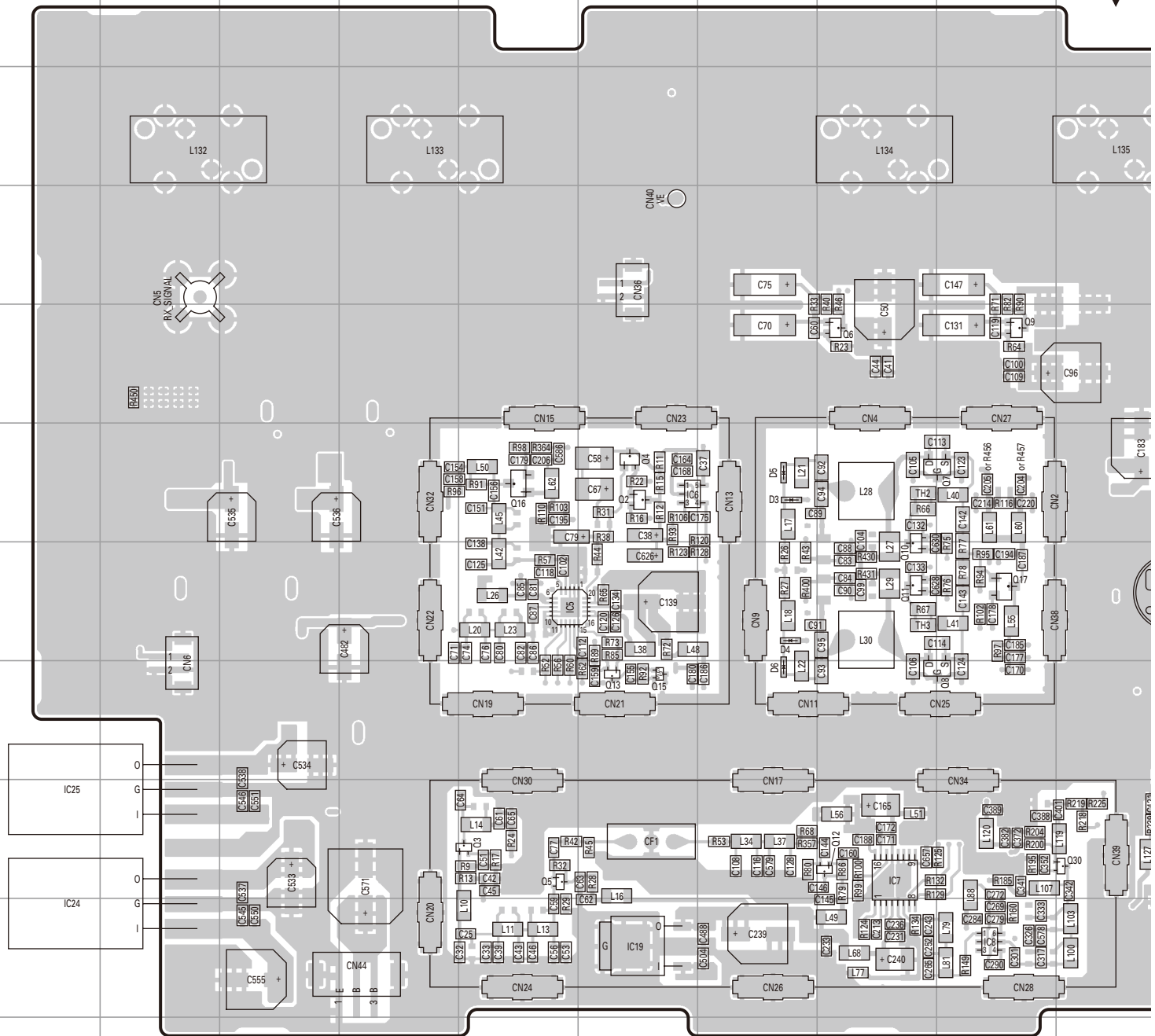
PC BOARD NXR-800

FINAL UNIT (X45-3820-XX) -10 : K -11 : K2
Foil side view (J79-0149-09)



NXR-800 PC BOARD

RX UNIT (X55-3100-XX) -10 : K -11 : K2
Component side view (J79-0151-09)

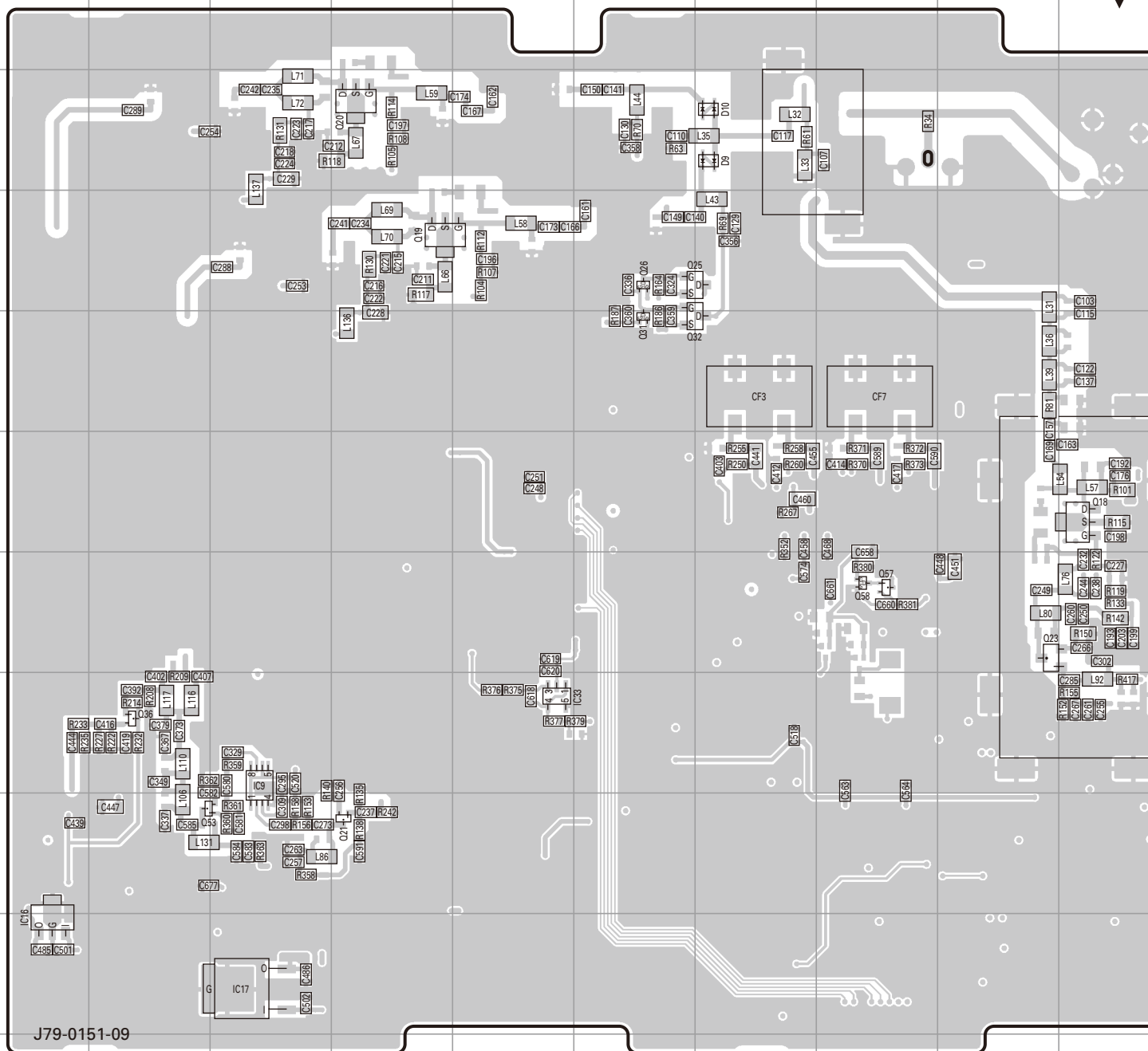


Ref. No.	Address	Ref. No.	Address	Ref. No.	Address	Ref. No.	Address	Ref. No.	Address	Ref. No.	Address	Ref. No.	Address
IC5	7E	IC15	5K	IC30	8M	Q7	6I	Q17	7I	Q35	6N	D5	6G
IC6	6F	IC19	10F	IC31	9M	Q8	8I	Q22	6O	Q37	7N	D6	8G
IC7	9H	IC20	8K	IC32	8L	Q9	5I	Q24	10O	Q38	6P	D11	8N
IC8	10I	IC22	10Q	IC35	8M	Q10	7H	Q27	9P	Q39	9J	D12	9N
IC10	9Q	IC23	9K	Q2	6F	Q11	7H	Q28	6Q	Q40	7M	D13	7R
IC11	6O	IC24	10A	Q3	9E	Q12	9H	Q29	5S	Q51	10M	D14	6R
IC12	7M	IC25	9A	Q4	6F	Q13	8F	Q30	9J	Q56	10L	D15	6M
IC13	9S	IC28	8N	Q5	9E	Q15	8F	Q33	9P	D3	6G	D16	6M
IC14	9R	IC29	8L	Q6	5H	Q16	6E	Q34	7N	D4	7G	D17	8M



NXR-800 PC BOARD

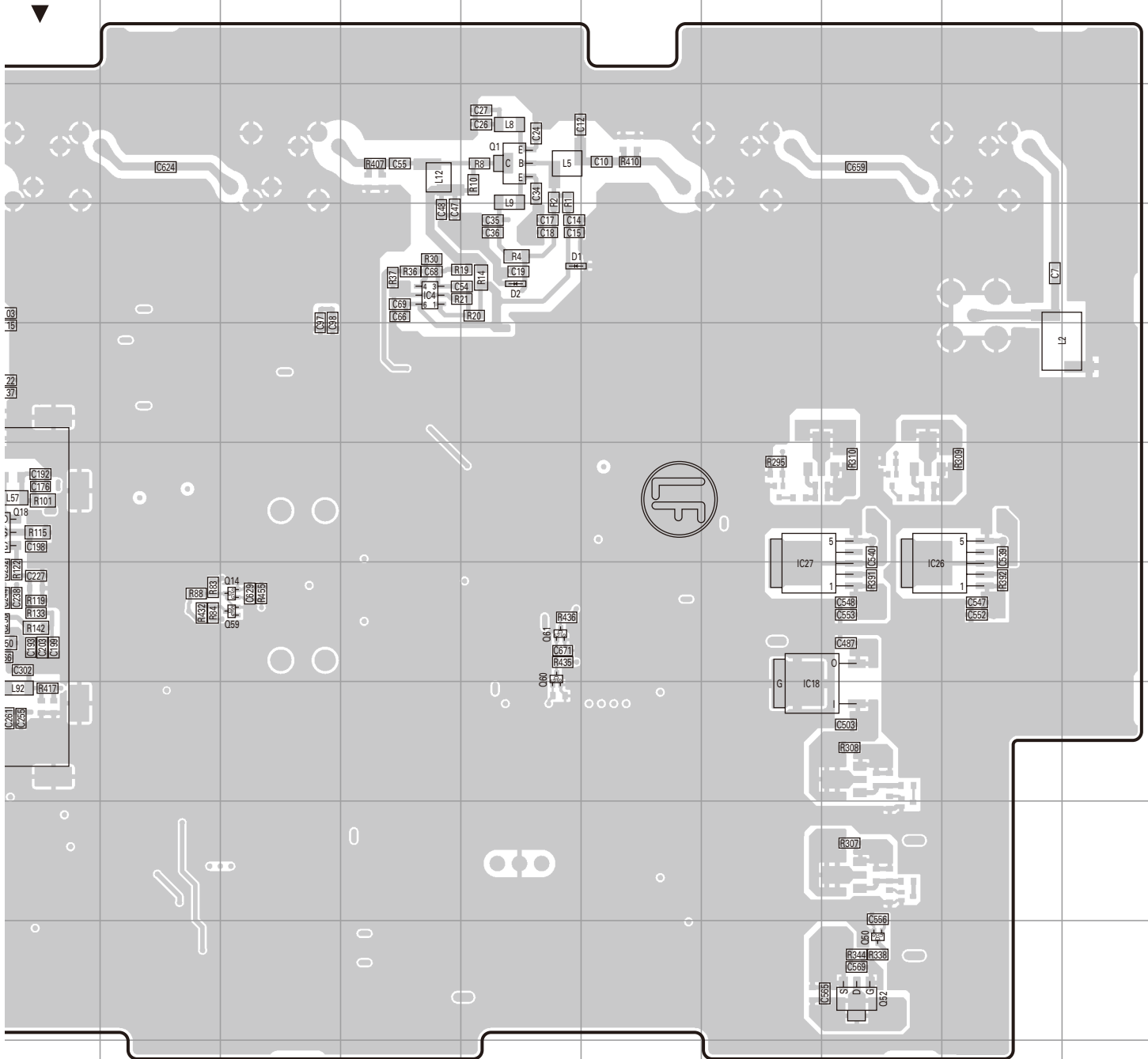
RX UNIT (X55-3100-XX) -10 : K -11 : K2
Foil side view (J79-0151-09)



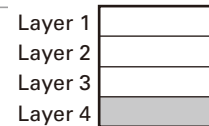
Ref. No.	Address	Ref. No.	Address	Ref. No.	Address	Ref. No.	Address
IC4	4M	Q14	7L	Q32	5G	Q61	7N
IC9	8C	Q18	6J	Q36	8B	D1	4N
IC16	10A	Q19	4D	Q50	10Q	D2	4N
IC17	10C	Q20	3D	Q52	10Q	D9	3G
IC18	8P	Q21	9D	Q53	9B	D10	3G
IC26	7Q	Q23	7I	Q57	7H		
IC27	7P	Q25	4G	Q58	7H		
IC33	8E	Q26	4F	Q59	7L		
Q1	3N	Q31	5F	Q60	7N		

PC BOARD NXR-800

RX UNIT (X55-3100-XX) -10 : K -11 : K2
Foil side view (J79-0151-09)

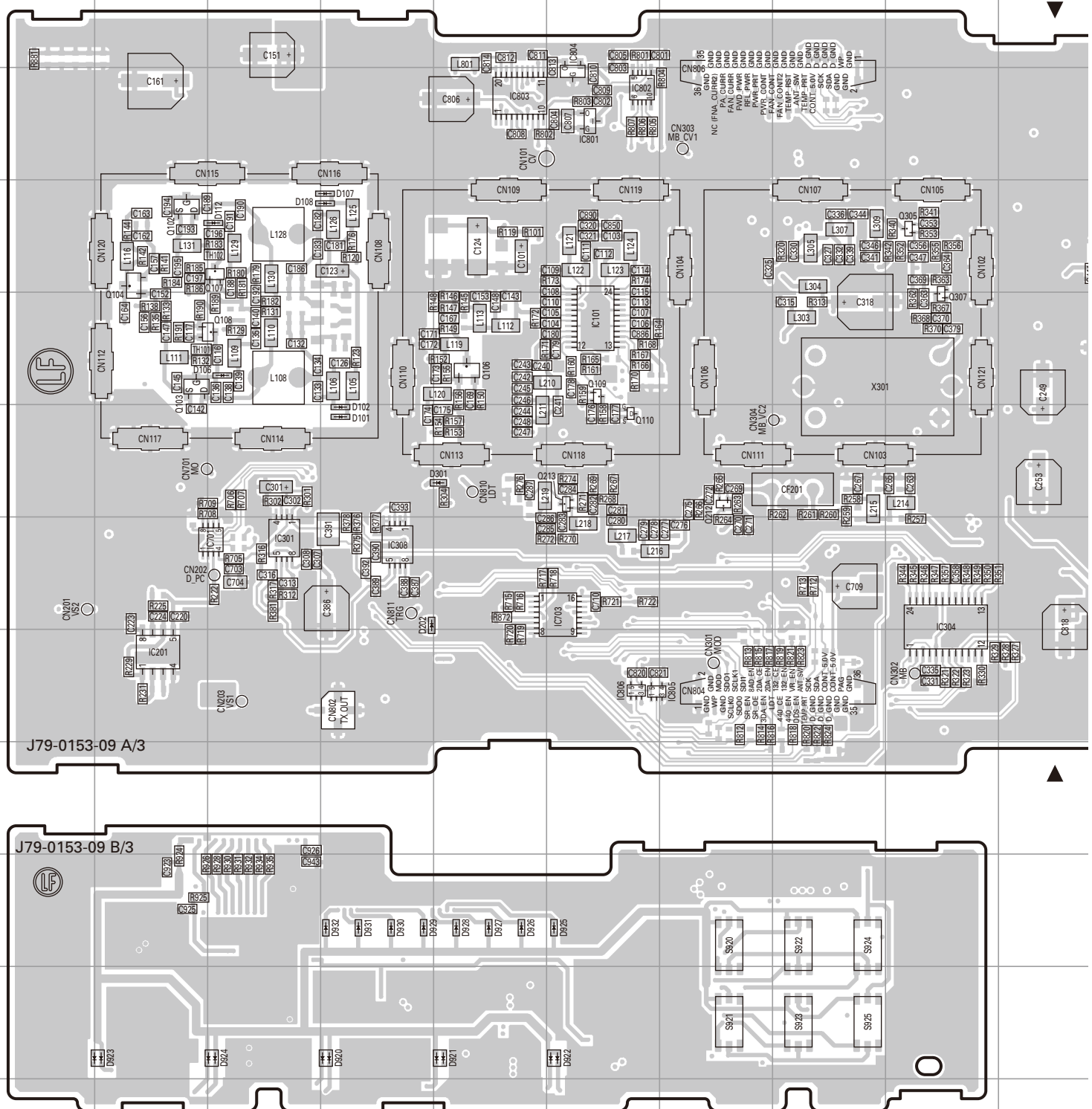


Component side



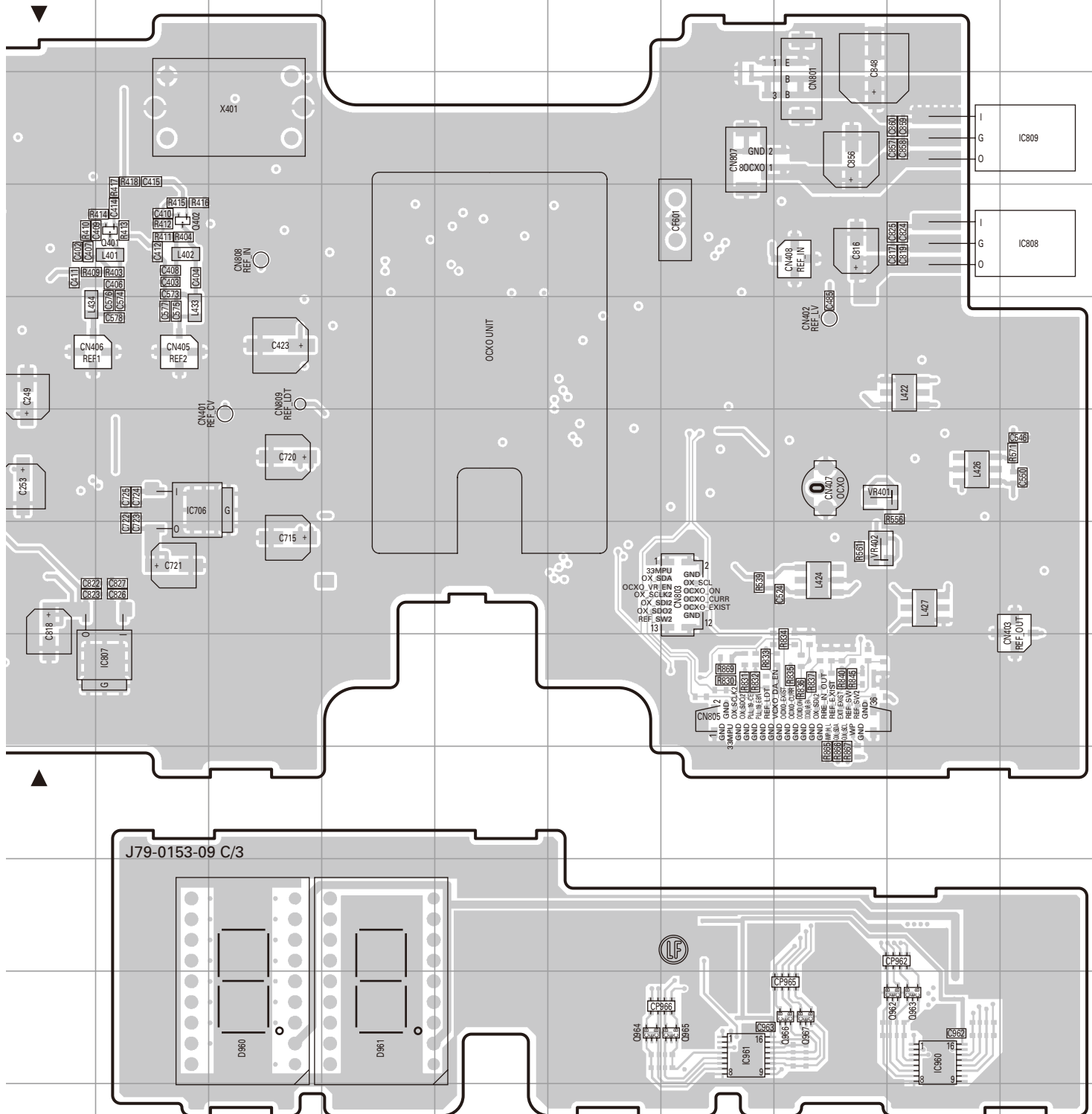
Foil side

TX UNIT (X56-3120-XX) -10 : K -11 : K2
Component side view (J79-0153-09)



Ref. No.	Address	Ref. No.	Address	Ref. No.	Address	Ref. No.	Address	Ref. No.	Address	Ref. No.	Address	Ref. No.	Address	Ref. No.	Address	Ref. No.	Address
IC101	5F	IC706	6K	IC807	8K	Q104	4B	Q213	6F	Q964	11O	D107	4D	D922	11F	D929	10E
IC201	8B	IC801	3F	IC808	4S	Q106	5E	Q305	4I	Q965	11P	D108	4D	D923	11B	D930	10E
IC301	7C	IC802	3F	IC809	3S	Q107	4C	Q307	5I	Q966	11Q	D112	4C	D924	11C	D931	10E
IC304	7I	IC803	3E	IC960	11R	Q108	5C	Q401	4K	Q967	11Q	D202	7D	D925	10F	D932	10E
IC308	7D	IC804	3F	IC961	11P	Q109	5F	Q402	4K	D101	6D	D301	6E	D926	10E	D960	11L
IC701	7C	IC805	8F	Q102	4B	Q110	6F	Q962	11R	D102	6D	D920	11D	D927	10E	D961	11M
IC703	7F	IC806	8F	Q103	5B	Q212	6G	Q963	11R	D106	5C	D921	11E	D928	10E		

TX UNIT (X56-3120-XX) -10 : K -11 : K2
Component side view (J79-0153-09)



No.	Address
29	10D
30	10D
31	10D
32	10D
60	11L
61	11M

Diagram illustrating the structure of a four-layer laminate:

- Layer 1 (Top layer, shaded gray)
- Layer 2
- Layer 3
- Layer 4 (Bottom layer)

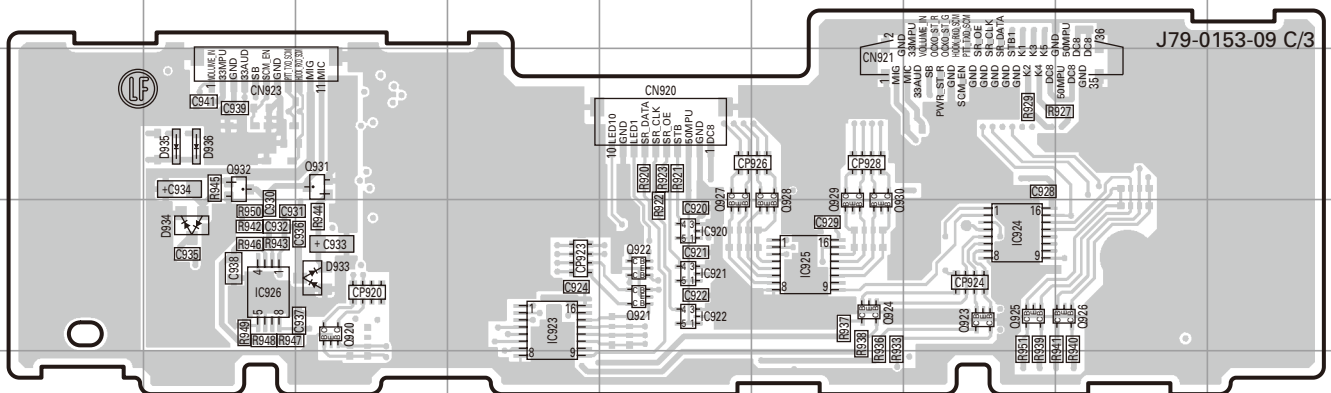
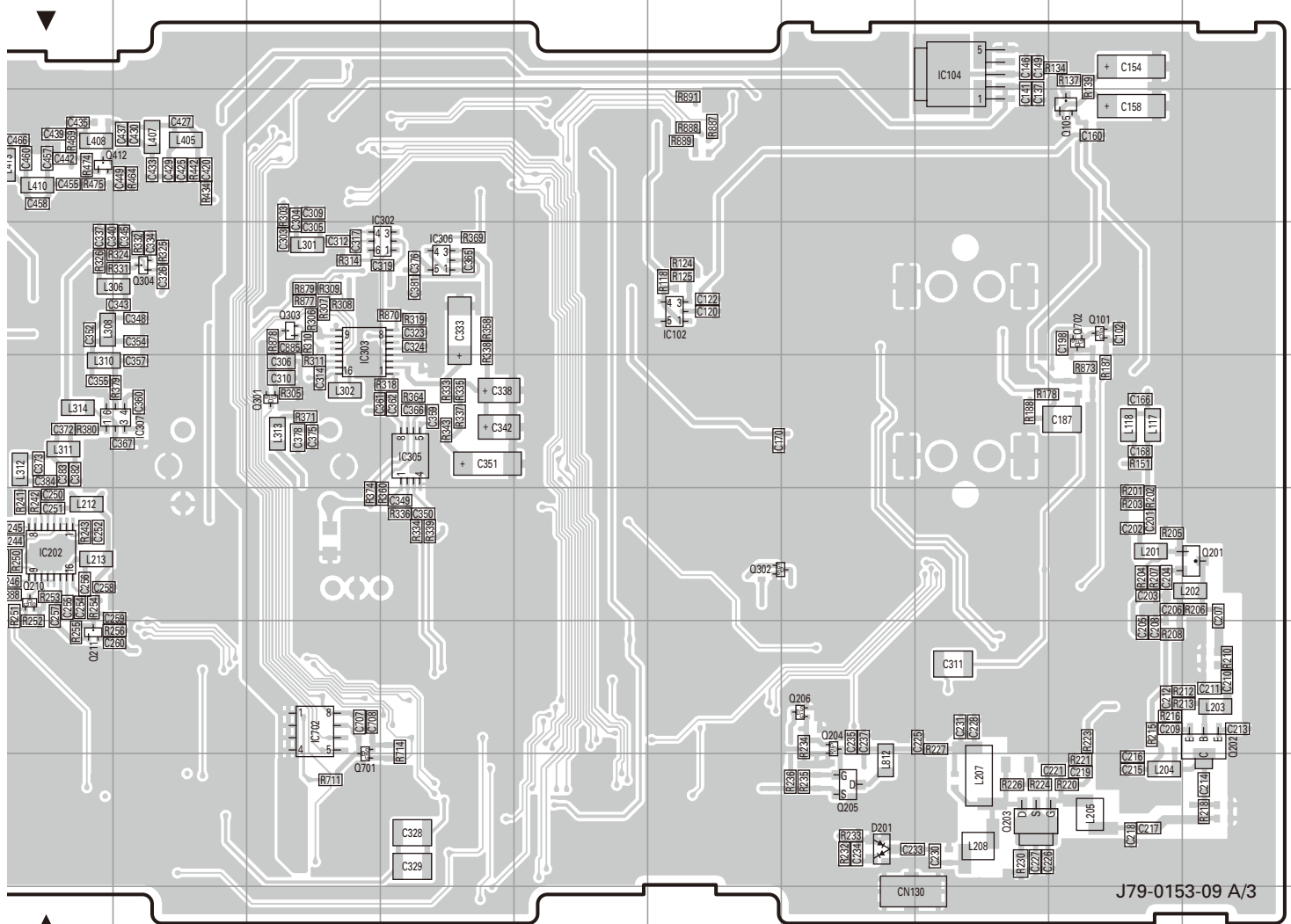
The top surface is labeled "Component side" and the bottom surface is labeled "Foil side".

TX UNIT (X56-3120-XX) -10 : K -11 : K2
Foil side view (J79-0153-09)



Ref. No.	Address	Ref. No.	Address	Ref. No.	Address	Ref. No.	Address	Ref. No.	Address	Ref. No.	Address	Ref. No.	Address	Ref. No.	Address	Ref. No.	Address
IC102	4O	IC404	4H	IC702	7L	IC926	11L	Q205	8P	Q407	4G	Q417	3I	Q426	6D	Q605	5E
IC104	2Q	IC405	3D	IC704	7G	IC962	11D	Q206	7P	Q408	4G	Q418	5D	Q428	6D	Q606	4E
IC202	6J	IC406	5E	IC705	6G	IC963	10D	Q210	6J	Q409	4G	Q419	5C	Q429	6D	Q607	4F
IC302	4M	IC407	4H	IC920	11O	Q101	4R	Q211	7J	Q410	5H	Q420	7D	Q430	6A	Q608	4F
IC303	4L	IC408	7C	IC921	11O	Q105	3R	Q301	5L	Q412	3J	Q421	6D	Q431	6D	Q609	4F
IC305	5M	IC409	6B	IC922	11O	Q201	6S	Q302	6O	Q413	5E	Q422	5B	Q601	4G	Q701	8L
IC306	4M	IC601	4F	IC923	11N	Q202	7S	Q303	4L	Q414	3D	Q423	6D	Q602	4F	Q702	4R
IC307	5K	IC602	5F	IC924	11Q	Q203	8Q	Q304	4K	Q415	3H	Q424	6D	Q603	3E	Q920	11M
IC401	5I	IC603	6F	IC925	11P	Q204	7P	Q405	5G	Q416	3I	Q425	7B	Q604	5E	Q921	11N

TX UNIT (X56-3120-XX) -10 : K -11 : K2
Foil side view (J79-0153-09)



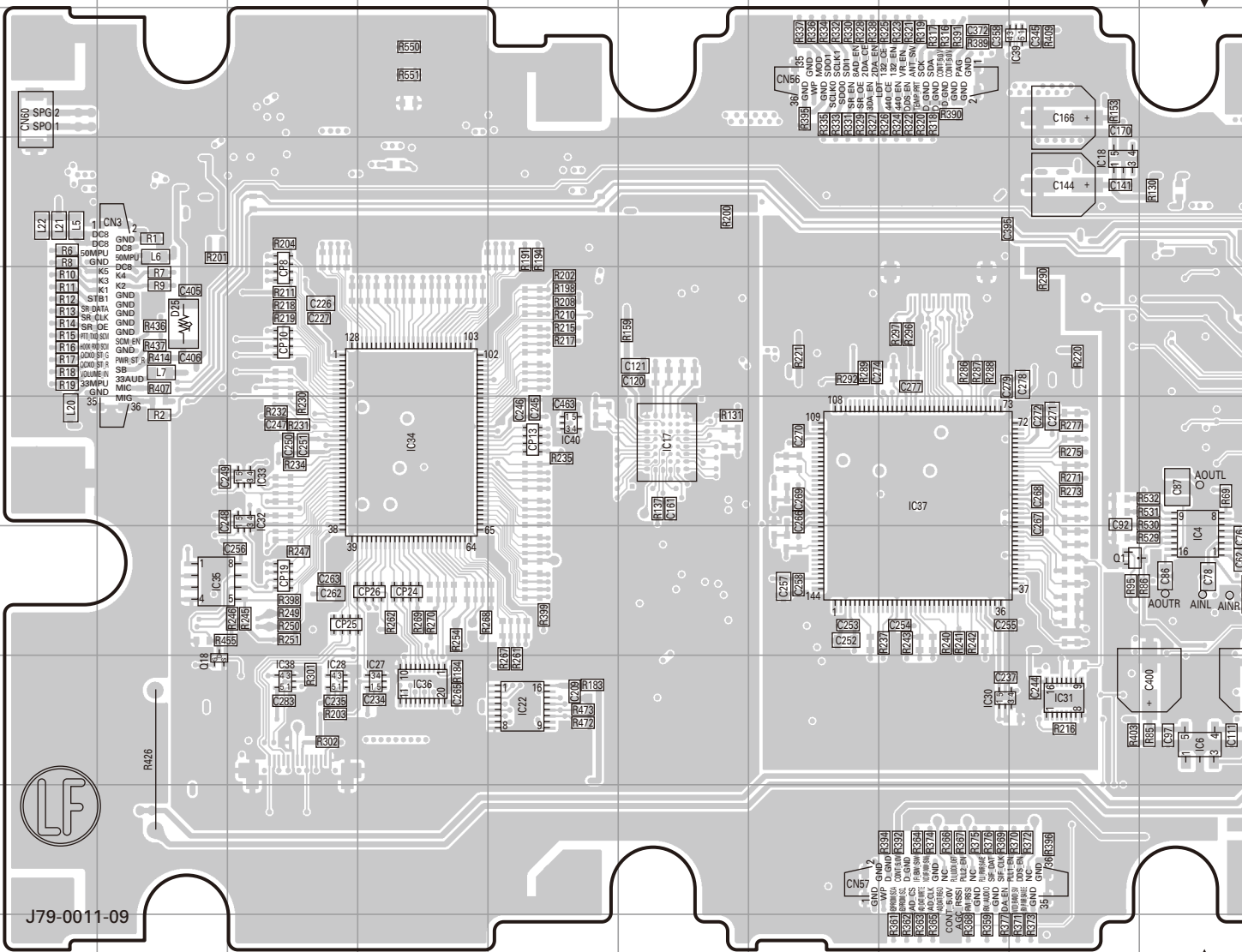
No.	Address	Ref. No.	Address	Ref. No.	Address	Ref. No.	Address	Ref. No.	Address	Ref. No.	Address
05	5E	Q922	11O	Q931	10M	Q973	10E	D405	6C	D605	4C
06	4E	Q923	11Q	Q932	10L	Q974	11E	D406	6D	D606	4C
07	4F	Q924	11P	Q960	10B	Q975	10E	D407	6D	D933	11M
08	4F	Q925	11Q	Q961	10B	Q976	10E	D408	7B	D934	11L
09	4F	Q926	11R	Q968	11G	D201	8P	D409	8A	D935	10L
01	8L	Q927	11O	Q969	11E	D401	5D	D601	4G	D936	10L
02	4R	Q928	11P	Q970	11E	D402	3C	D602	3G		
20	11M	Q929	11P	Q971	11E	D403	6C	D603	7A		
21	11O	Q930	11P	Q972	11E	D404	6C	D604	7A		

Diagram illustrating the structure of a four-layer laminate:

- Layer 1 (Top layer, white)
- Layer 2 (Second layer, white)
- Layer 3 (Third layer, white)
- Layer 4 (Bottom layer, gray, labeled "Foil side")

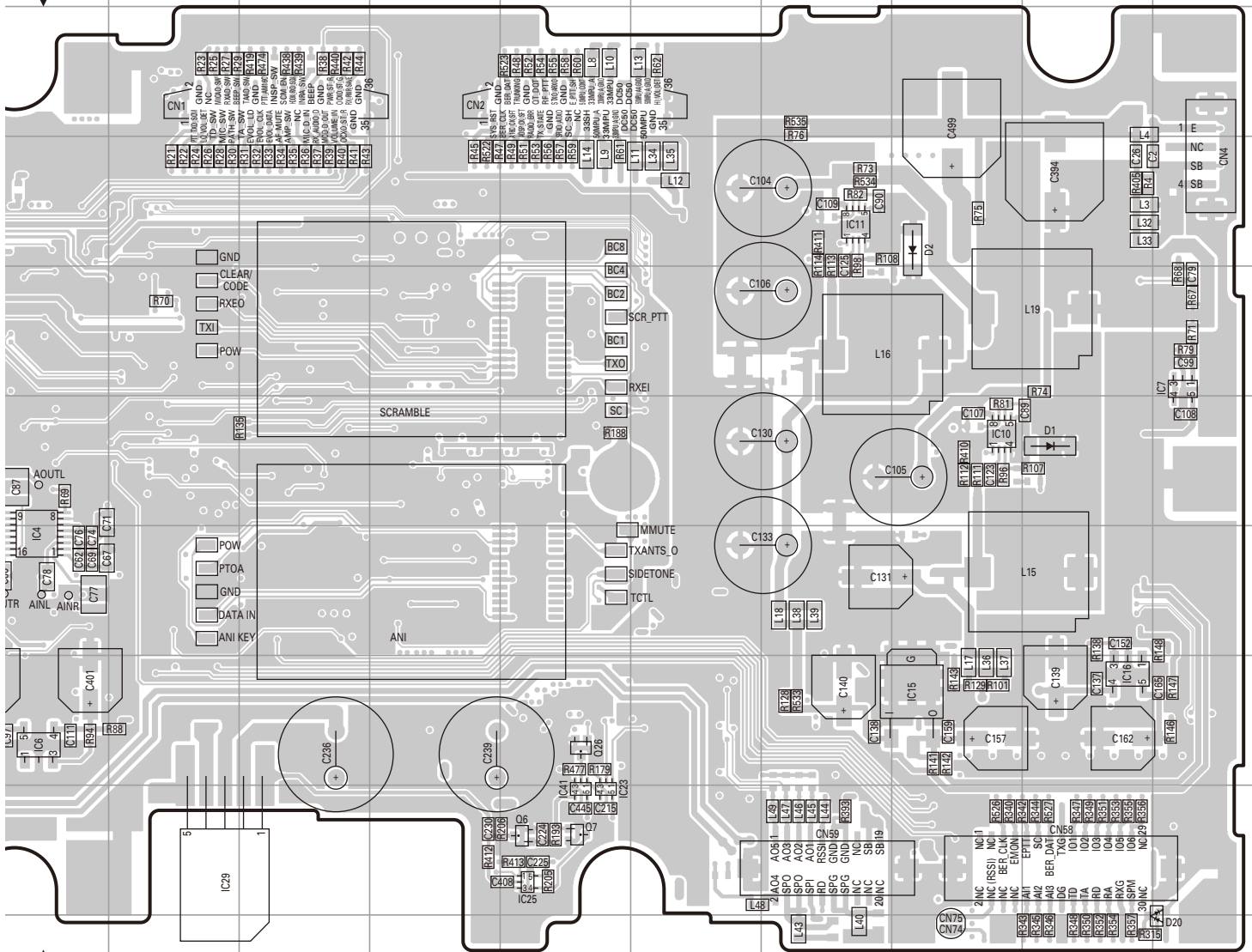
The top surface is labeled "Component side".

CONTROL UNIT (X53-4130-XX) -10 : K,K2 -11 : For service
Component side view (J79-0011-09)

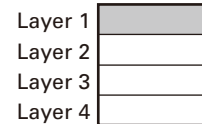


Ref. No.	Address	Ref. No.	Address	Ref. No.	Address	Ref. No.	Address
IC4	7J	IC22	8E	IC33	6C	Q1	7I
IC6	8J	IC23	9N	IC34	6D	Q6	9N
IC7	5S	IC25	9N	IC35	7B	Q7	9N
IC10	6Q	IC27	8D	IC36	8D	Q18	8B
IC11	4P	IC28	8C	IC37	6H	Q26	8N
IC15	8Q	IC29	9K	IC38	8C	D1	6R
IC16	8R	IC30	8H	IC39	3I	D2	4Q
IC17	6F	IC31	8I	IC40	6E	D20	10S
IC18	4I	IC32	6C	IC41	9N	D25	5B

CONTROL UNIT (X53-4130-XX) -10 : K,K2 -11 : For service Component side view (J79-0011-09)

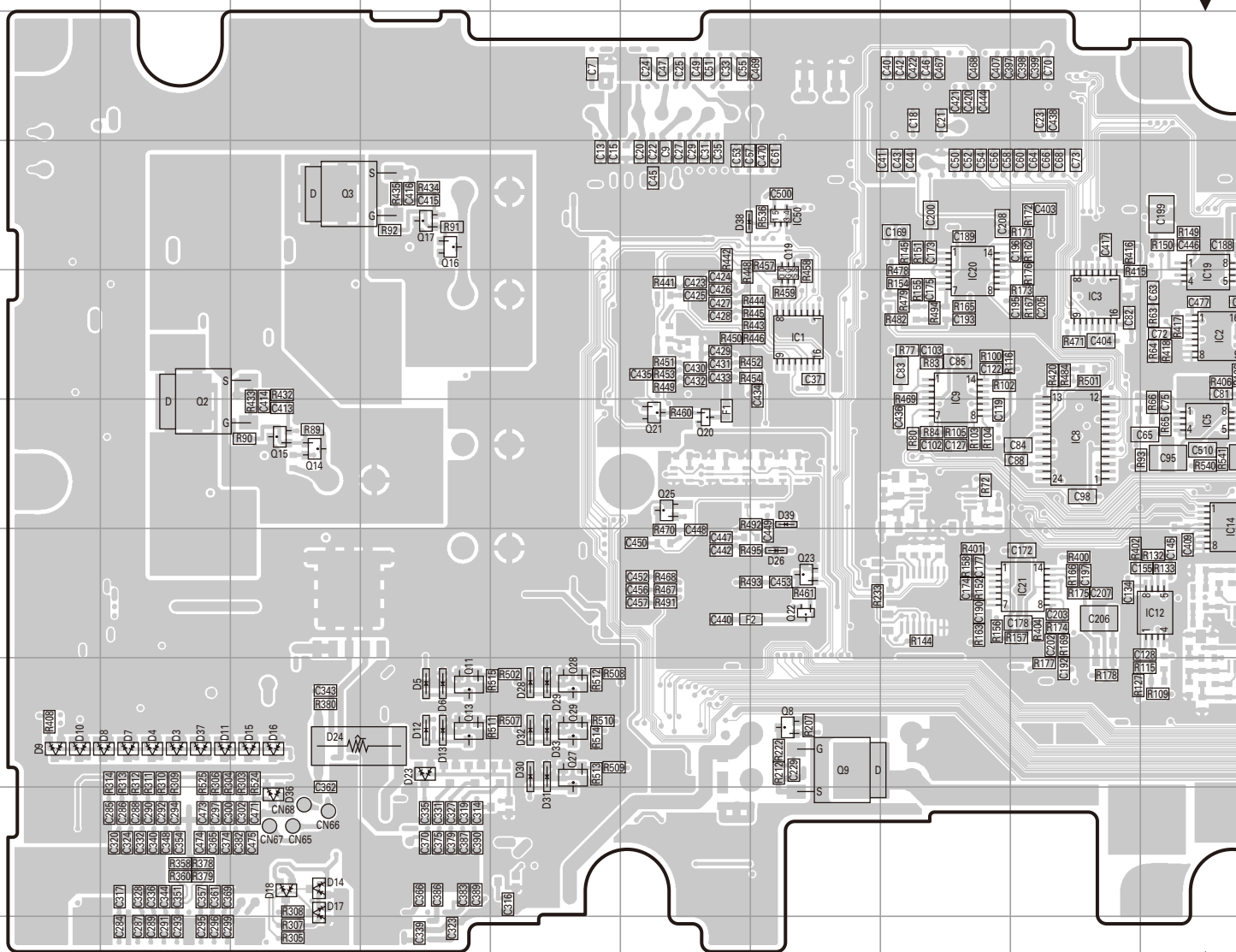


Component side



Foil side

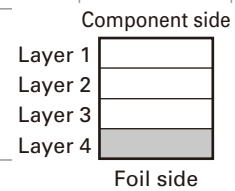
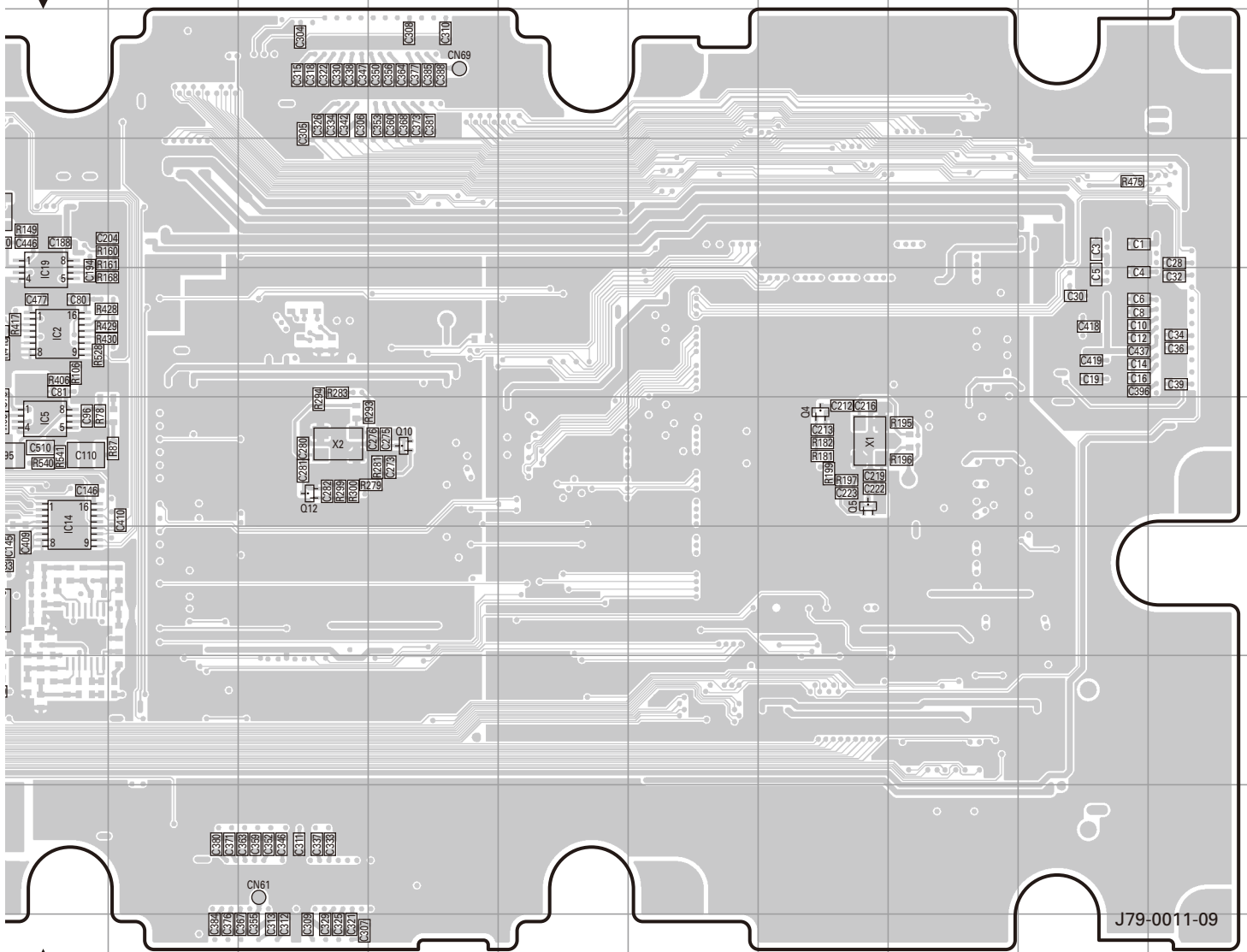
**CONTROL UNIT (X53-4130-XX) -10 : K,K2 -11 : For service
Foil side view (J79-0011-09)**



Ref. No.	Address	Ref. No.	Address	Ref. No.	Address	Ref. No.	Address	Ref. No.	Address
IC1	5G	Q3	4C	Q19	5G	D7	8B	D24	8C
IC2	5J	Q4	6P	Q20	6F	D8	8B	D26	7G
IC3	5I	Q5	6P	Q21	6F	D9	8A	D28	8E
IC5	6J	Q8	8G	Q22	7G	D10	8A	D29	8E
IC8	6I	Q9	8G	Q23	7G	D11	8B	D30	8E
IC9	5H	Q10	6M	Q25	6F	D12	8D	D31	8E
IC12	7J	Q11	8D	Q27	8E	D13	8D	D32	8E
IC14	6J	Q12	6L	Q28	8E	D14	9C	D33	8E
IC19	5J	Q13	8D	Q29	8E	D15	8C	D36	9C
IC20	5H	Q14	6C	D3	8B	D16	8C	D37	8B
IC21	7I	Q15	6C	D4	8B	D17	9C	D38	4F
IC50	4G	Q16	4D	D5	8D	D18	9C	D39	6G
Q2	6B	Q17	4D	D6	8D	D23	8D		

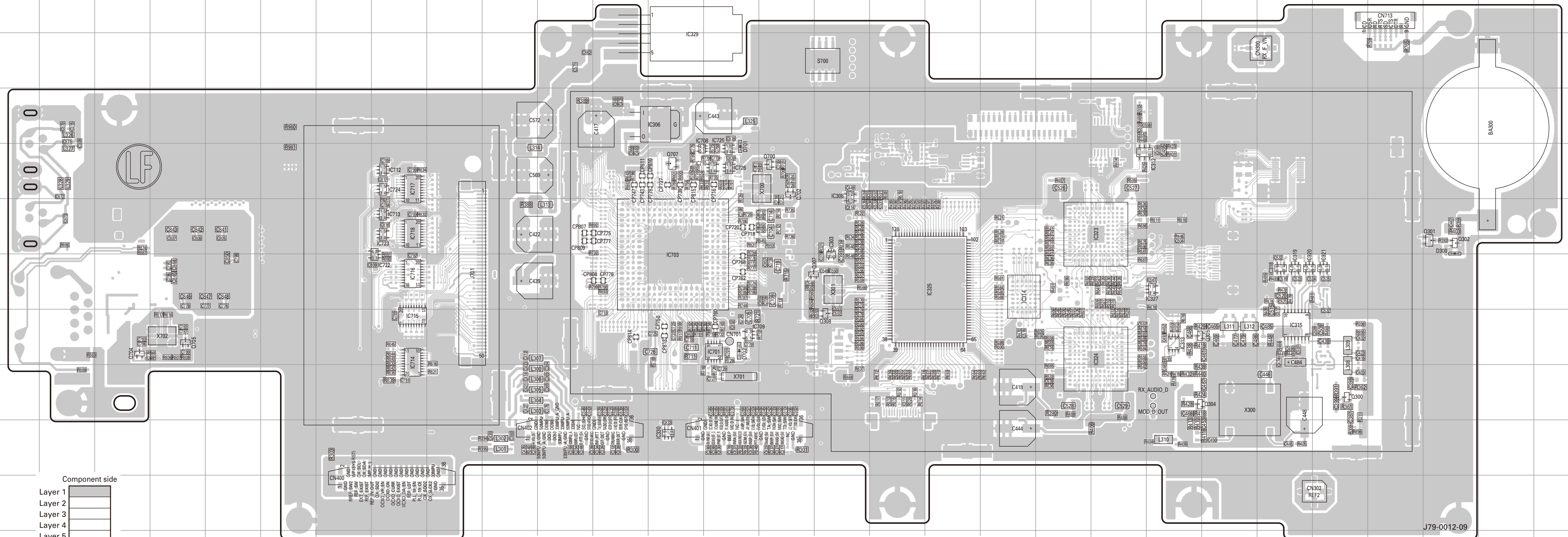
PC BOARD NXR-800

CONTROL UNIT (X53-4130-XX) -10 : K,K2 -11 : For service
Foil side view (J79-0011-09)



**CONTROL UNIT (X53-4140-XX) -10 : K,K2 -11 : For service
Component side view (J79-0012-09)**

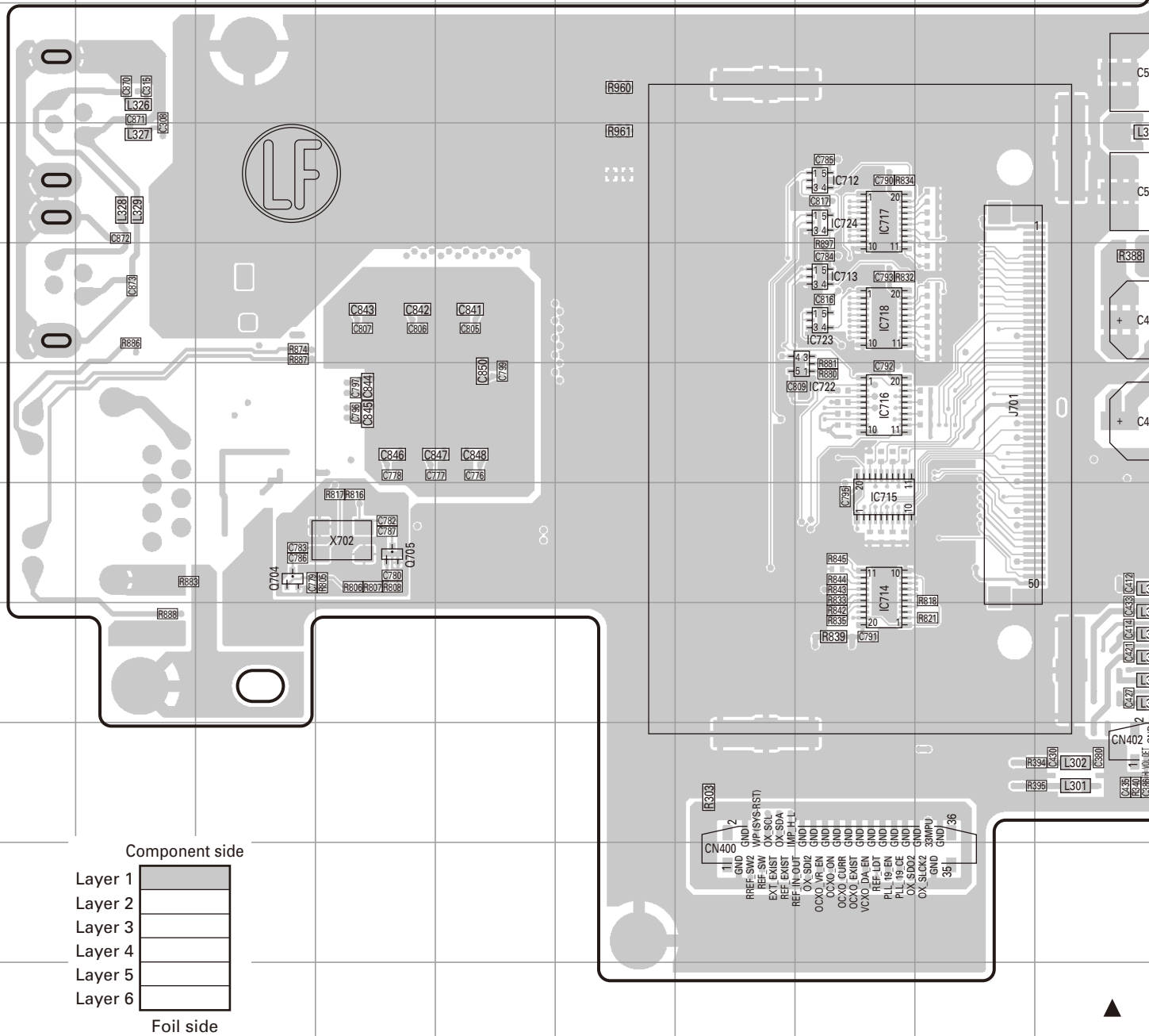
CONTROL UNIT (X53-4140-XX) -10 : K,K2 -11 : For service
Component side view (J79-0012-09)

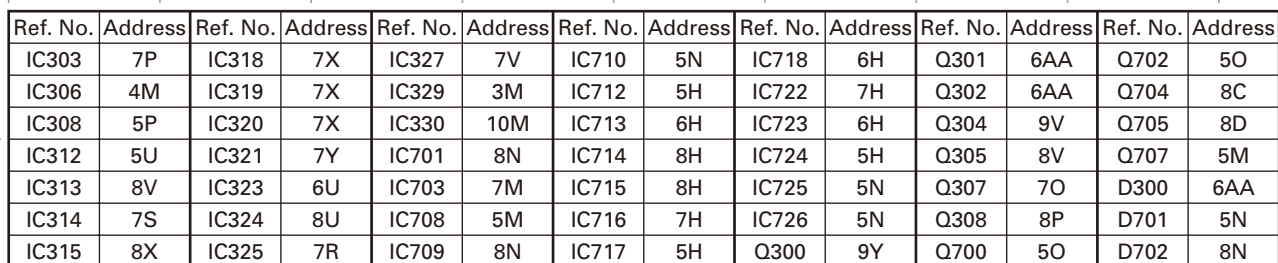


Ref. No.	Address	Ref. No.	Address	Ref. No.	Address	Ref. No.	Address	Ref. No.	Address	Ref. No.	Address	Ref. No.	Address
IC303	7P	IC318	7X	IC327	7V	IC710	5N	IC718	6H	Q301	6AA	Q702	5O
IC306	4M	IC319	7X	IC329	3M	IC712	5H	IC722	7H	Q302	6AA	Q704	8C
IC308	5P	IC320	7X	IC330	10M	IC713	6H	IC723	6H	Q304	9V	Q705	8D
IC312	5U	IC321	7Y	IC701	8N	IC714	8H	IC724	5H	Q305	8V	Q707	5M
IC313	8V	IC323	6U	IC703	7M	IC715	8H	IC725	5N	Q307	7O	D300	6AA
IC314	7S	IC324	8U	IC708	5M	IC716	7H	IC726	5N	Q308	8P	D701	5N
IC315	8X	IC325	7R	IC709	8N	IC717	5H	Q300	9Y	Q700	5O	D702	8N

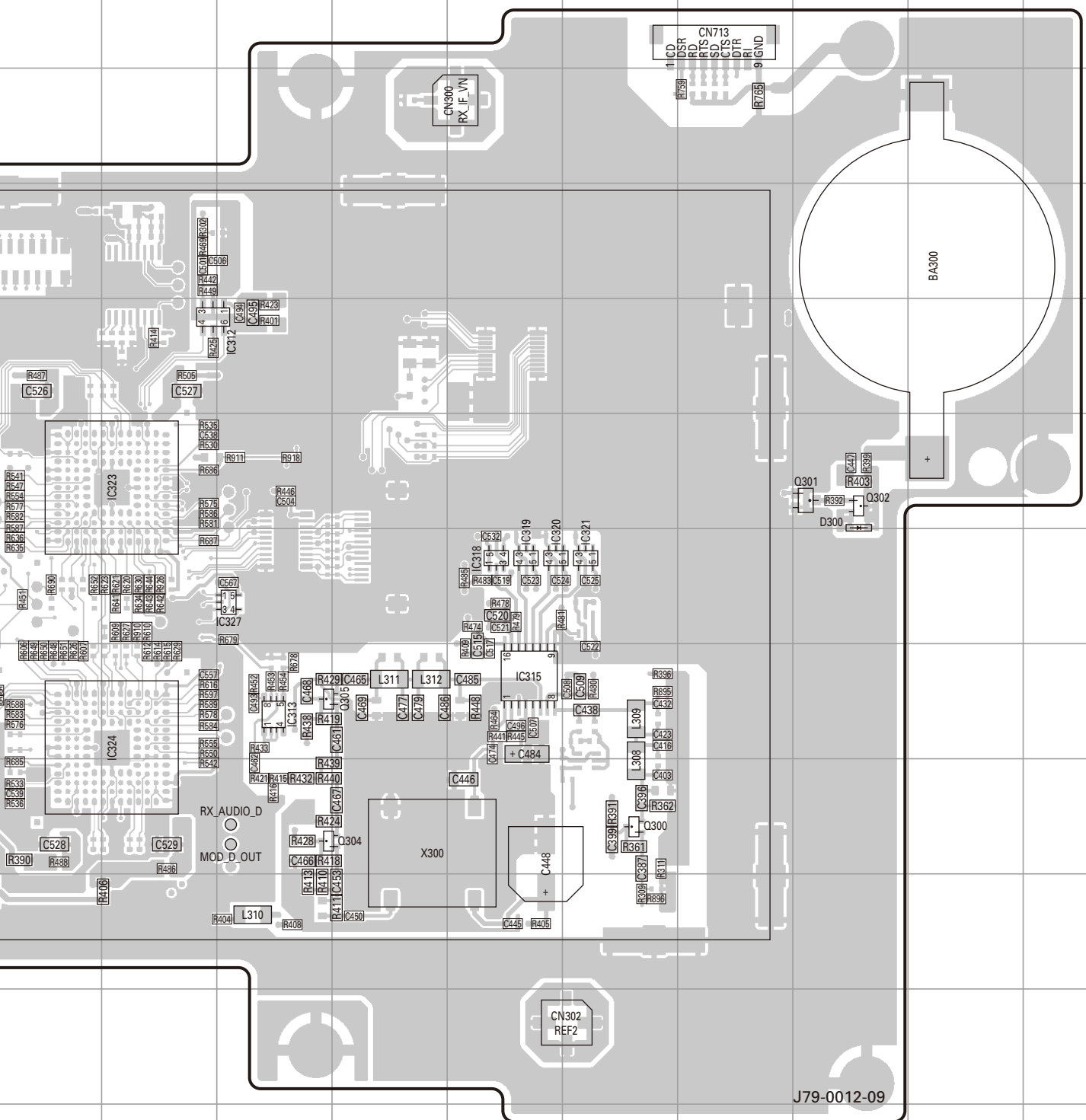
Diagram illustrating the structure of a 6-layered composite material. The layers are labeled Layer 1 through Layer 6, stacked vertically. The top surface is labeled "Component side" and the bottom surface is labeled "Foil side". Layer 1 is shaded gray, while Layers 2 through 6 are white.

**CONTROL UNIT (X53-4140-XX) -10 : K,K2 -11 : For service
Component side view (J79-0012-09)**





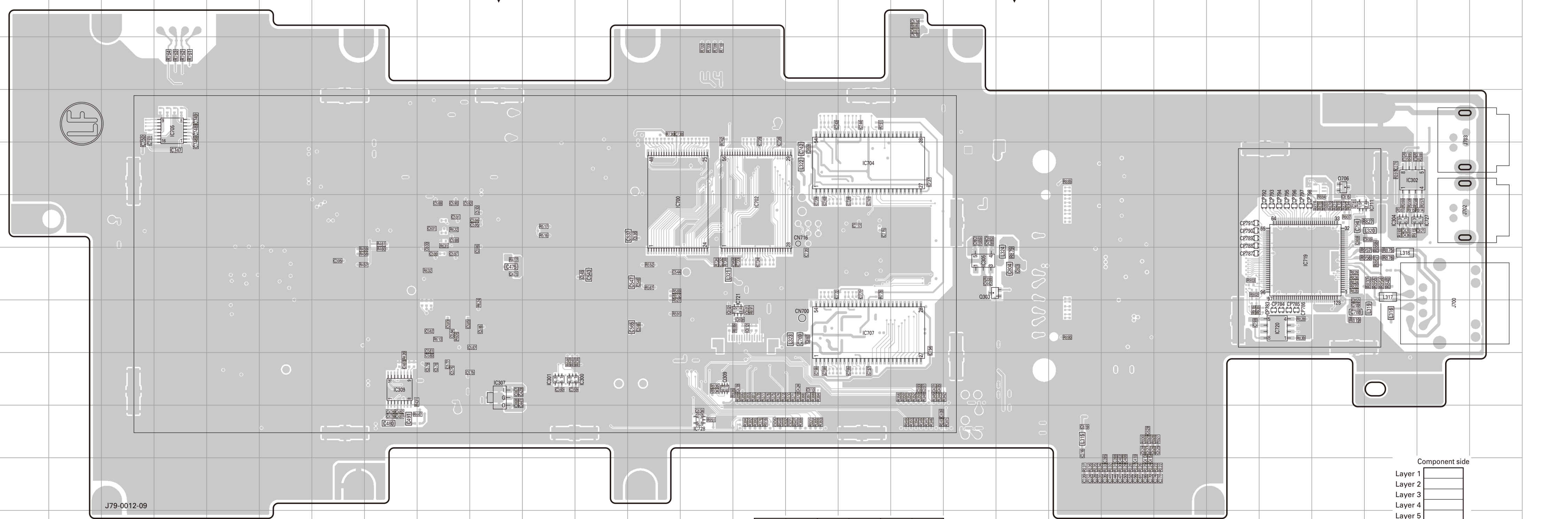
**CONTROL UNIT (X53-4140-XX) -10 : K,K2 -11 : For service
Component side view (J79-0012-09)**



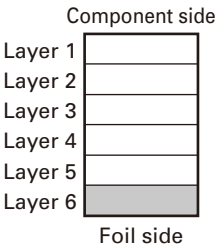
NXR-800 PC BOARD

CONTROL UNIT (X53-4140-XX) -10 : K,K2 -11 : For service
Foil side view (J79-0012-09)

CONTROL UNIT (X53-4140-XX) -10 : K,K2 -11 : For service
Foil side view (J79-0012-09)

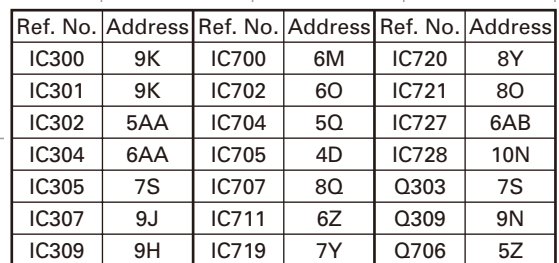


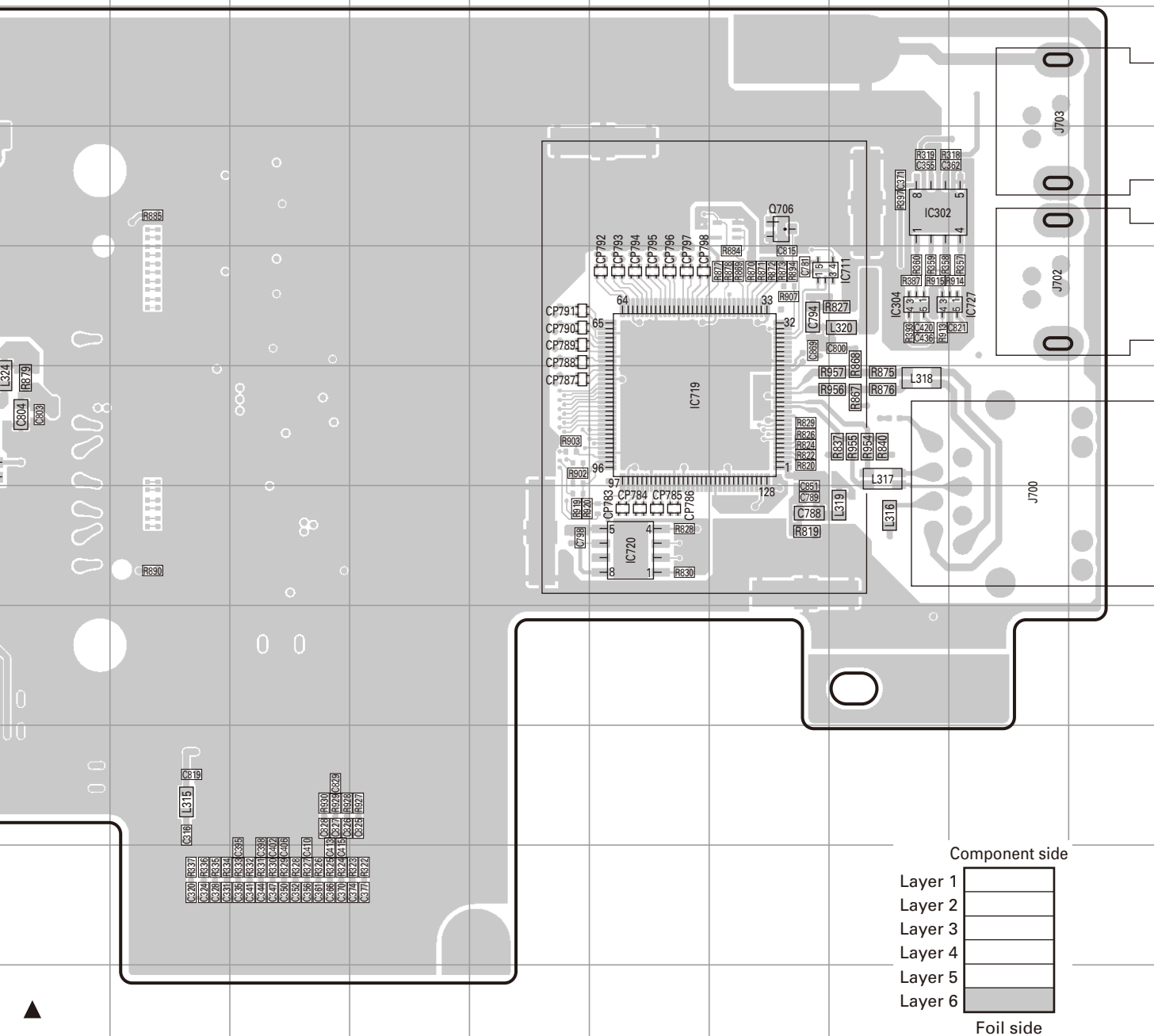
Ref. No.	Address	Ref. No.	Address	Ref. No.	Address
IC300	9K	IC700	6M	IC720	8Y
IC301	9K	IC702	6O	IC721	8O
IC302	5AA	IC704	5Q	IC727	6AB
IC304	6AA	IC705	4D	IC728	10N
IC305	7S	IC707	8Q	Q303	7S
IC307	9J	IC711	6Z	Q309	9N
IC309	9H	IC719	7Y	Q706	5Z

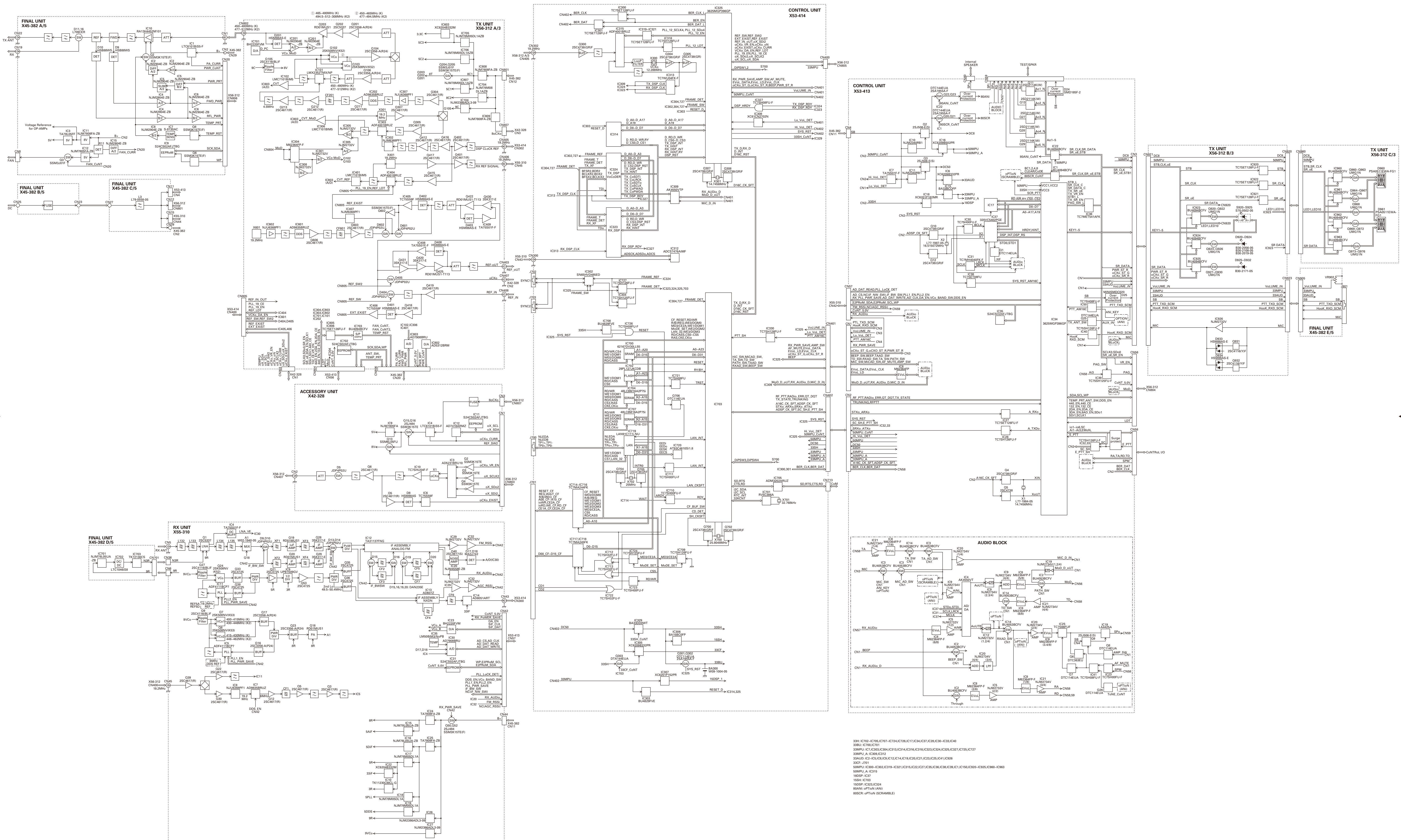


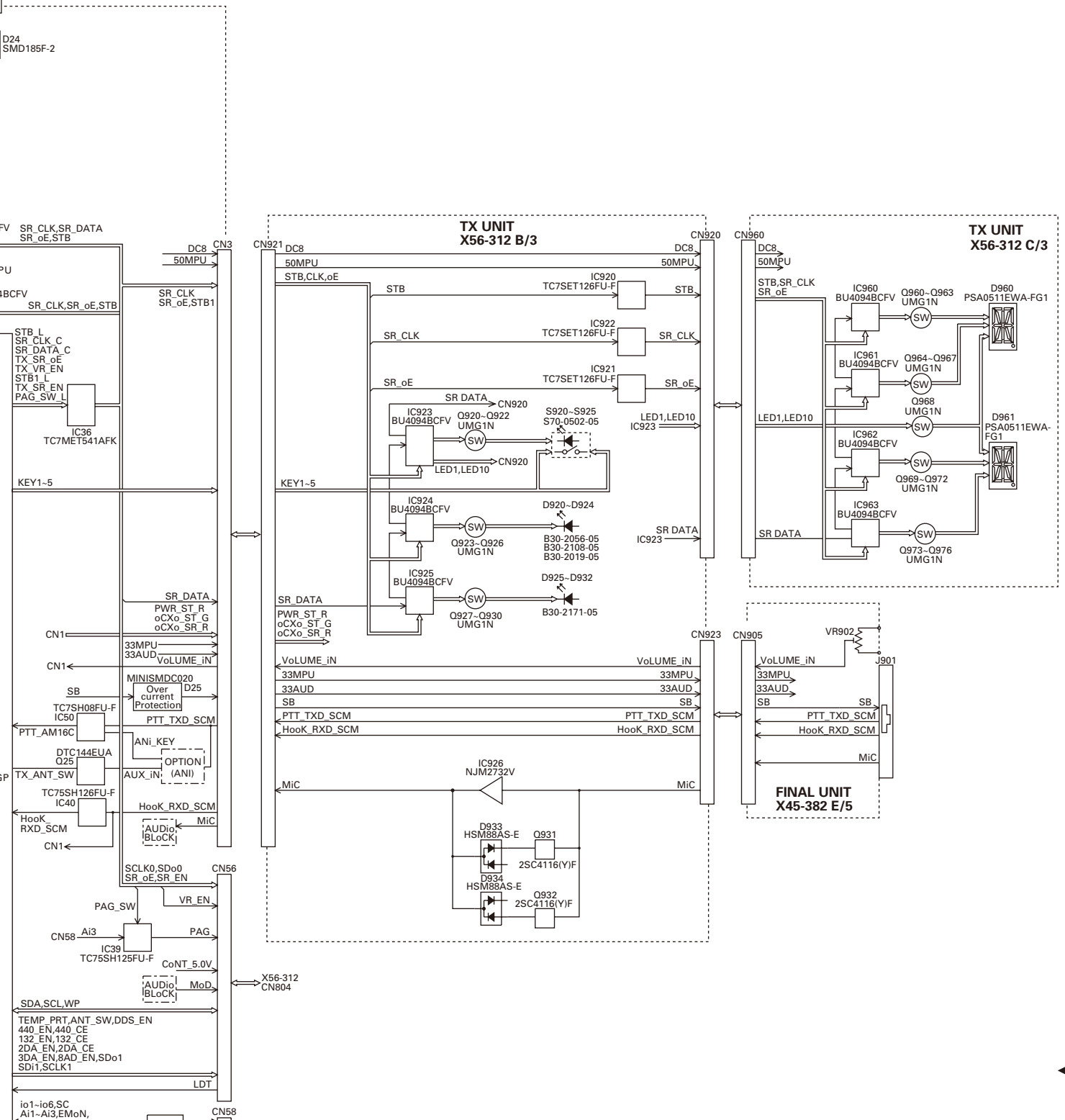
▼



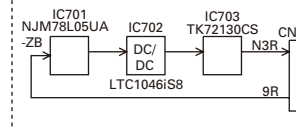




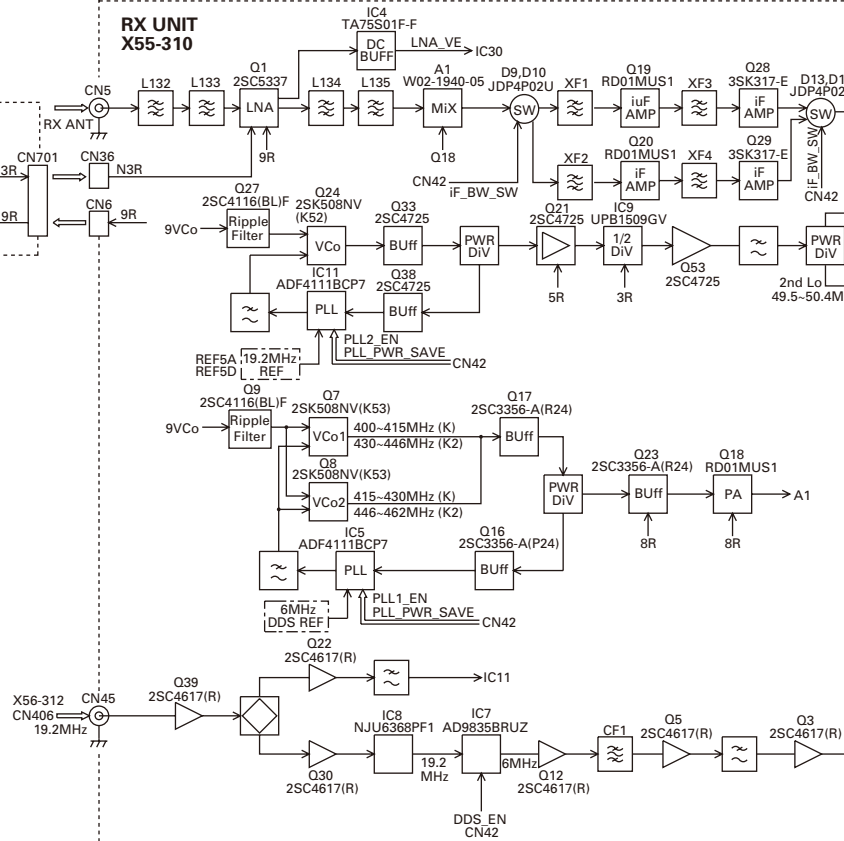


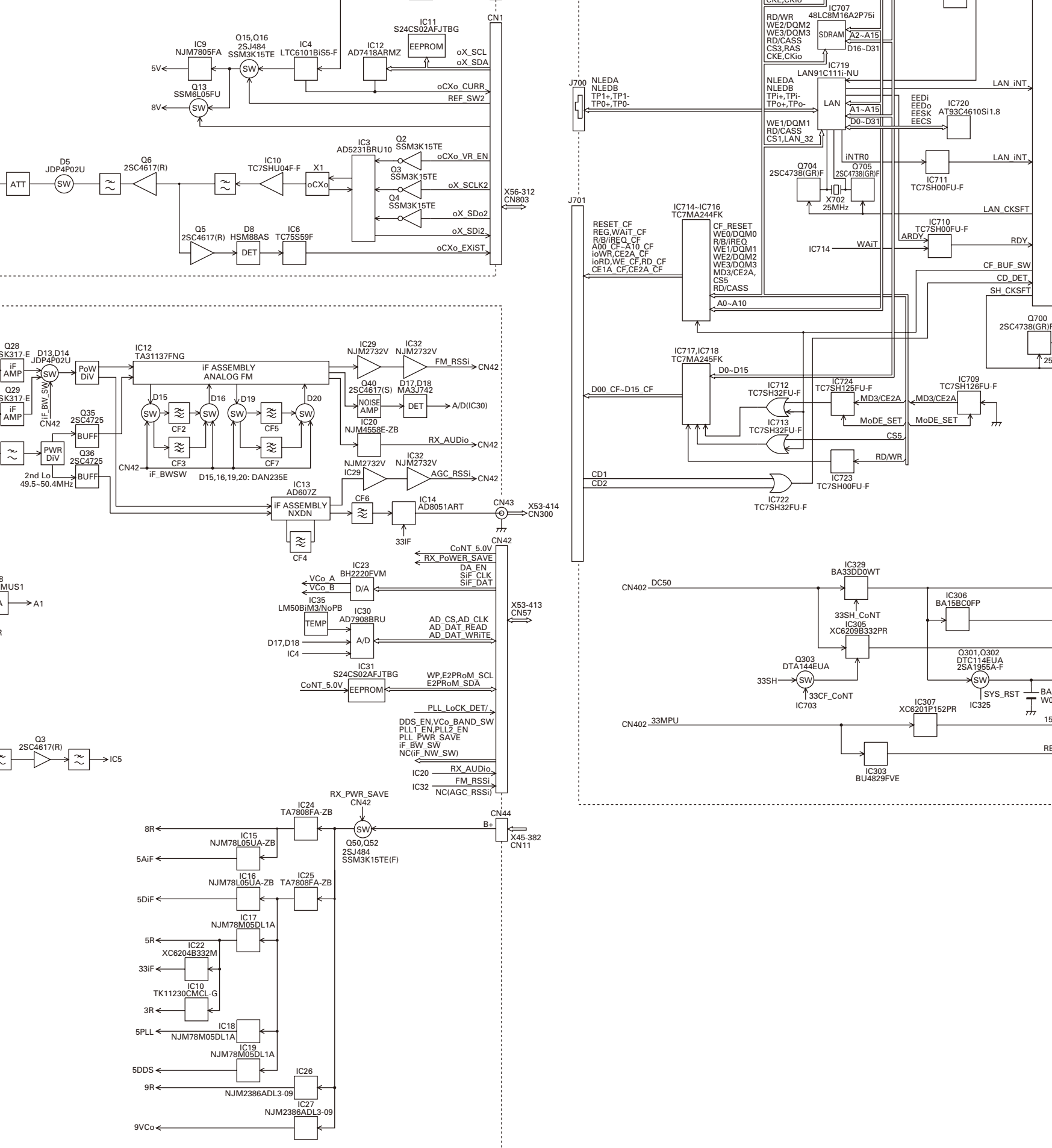


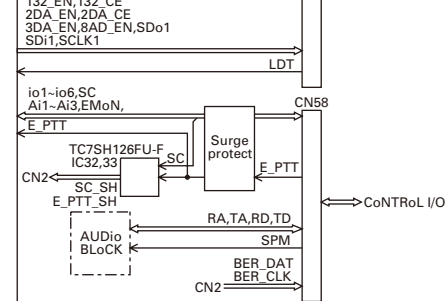
**FINAL UNIT
X45-382 D/5**



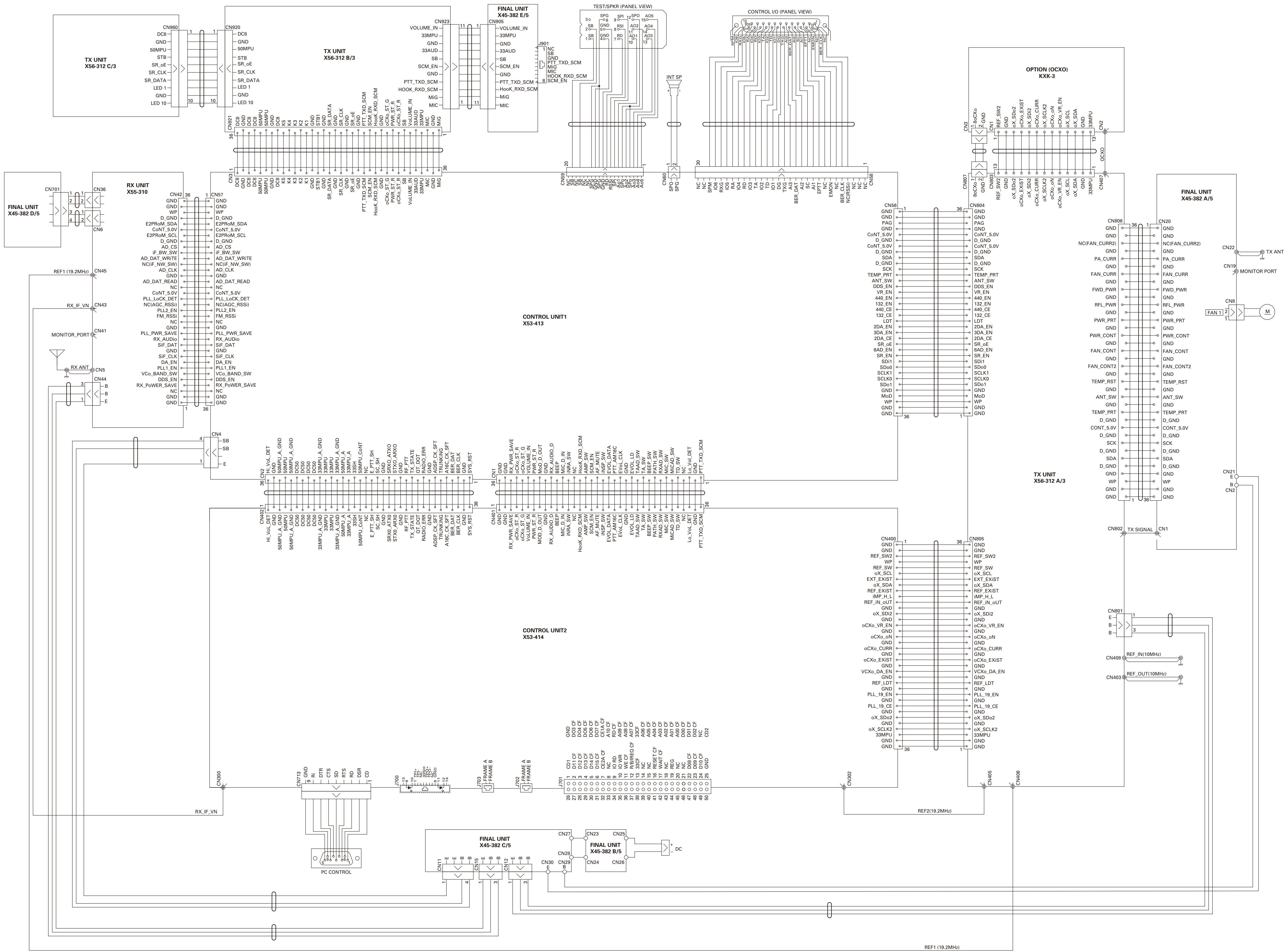
**RX UNIT
X55-310**





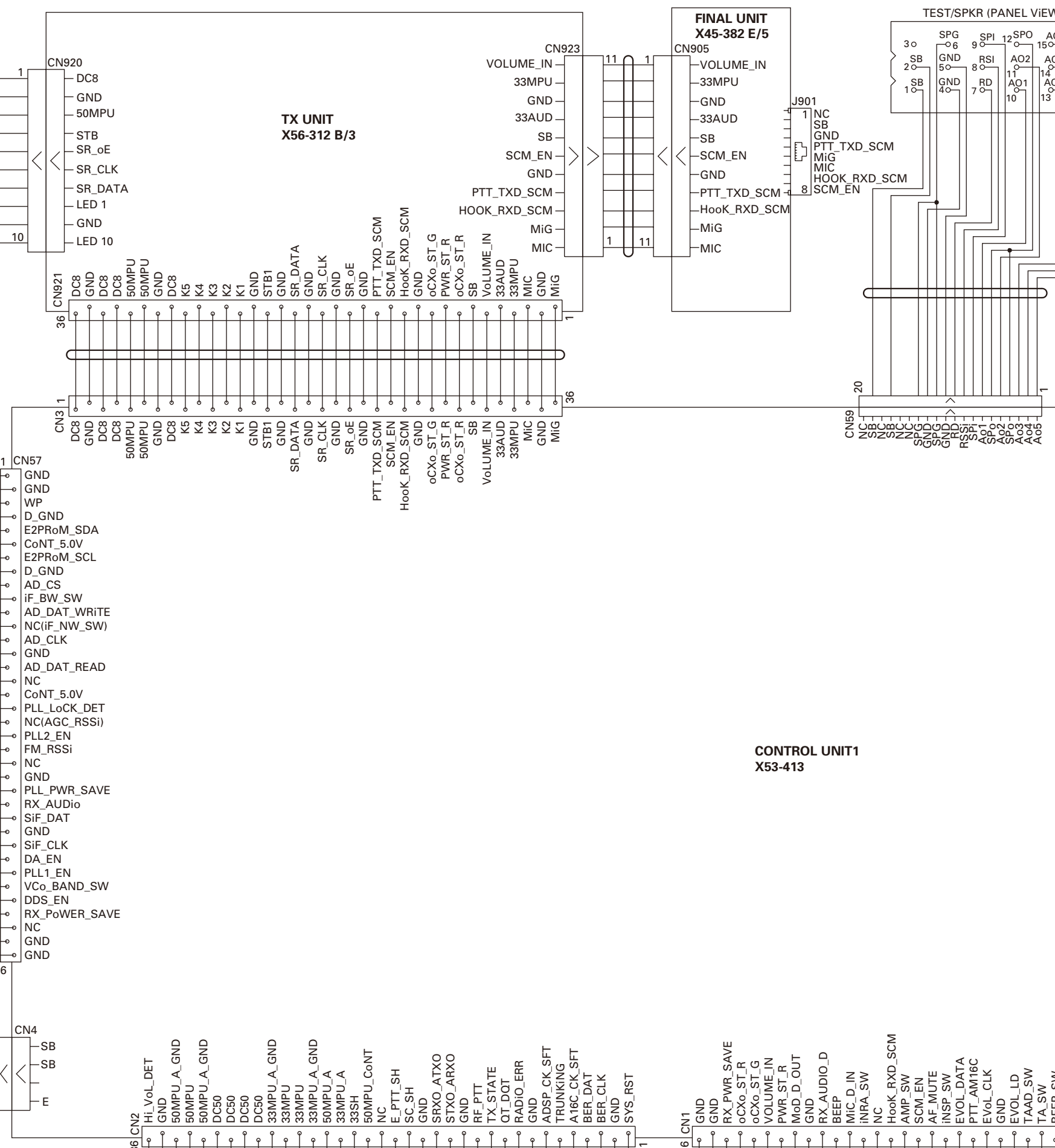


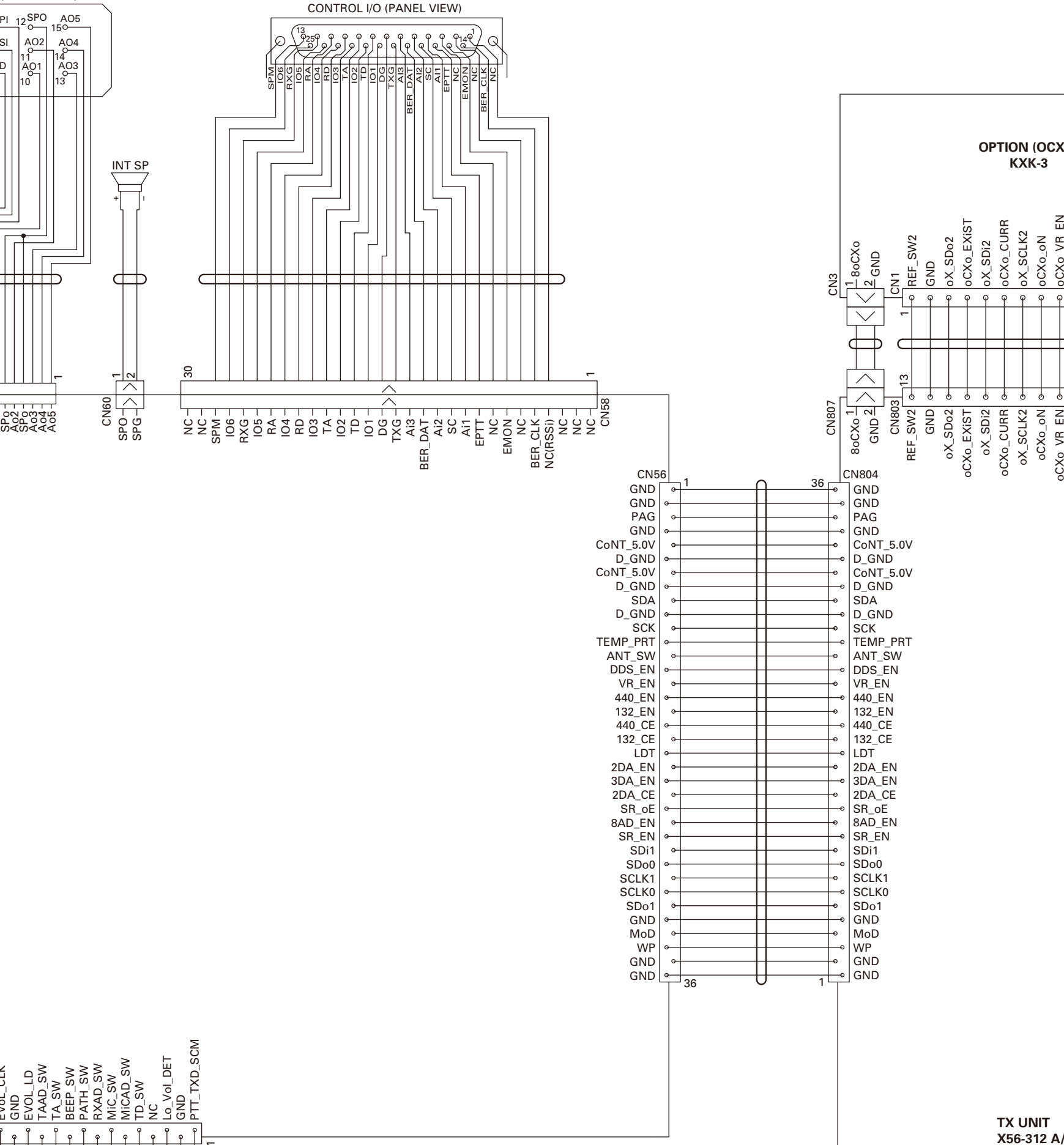
NXR-800 INTERCONNECTION DIAGRAM

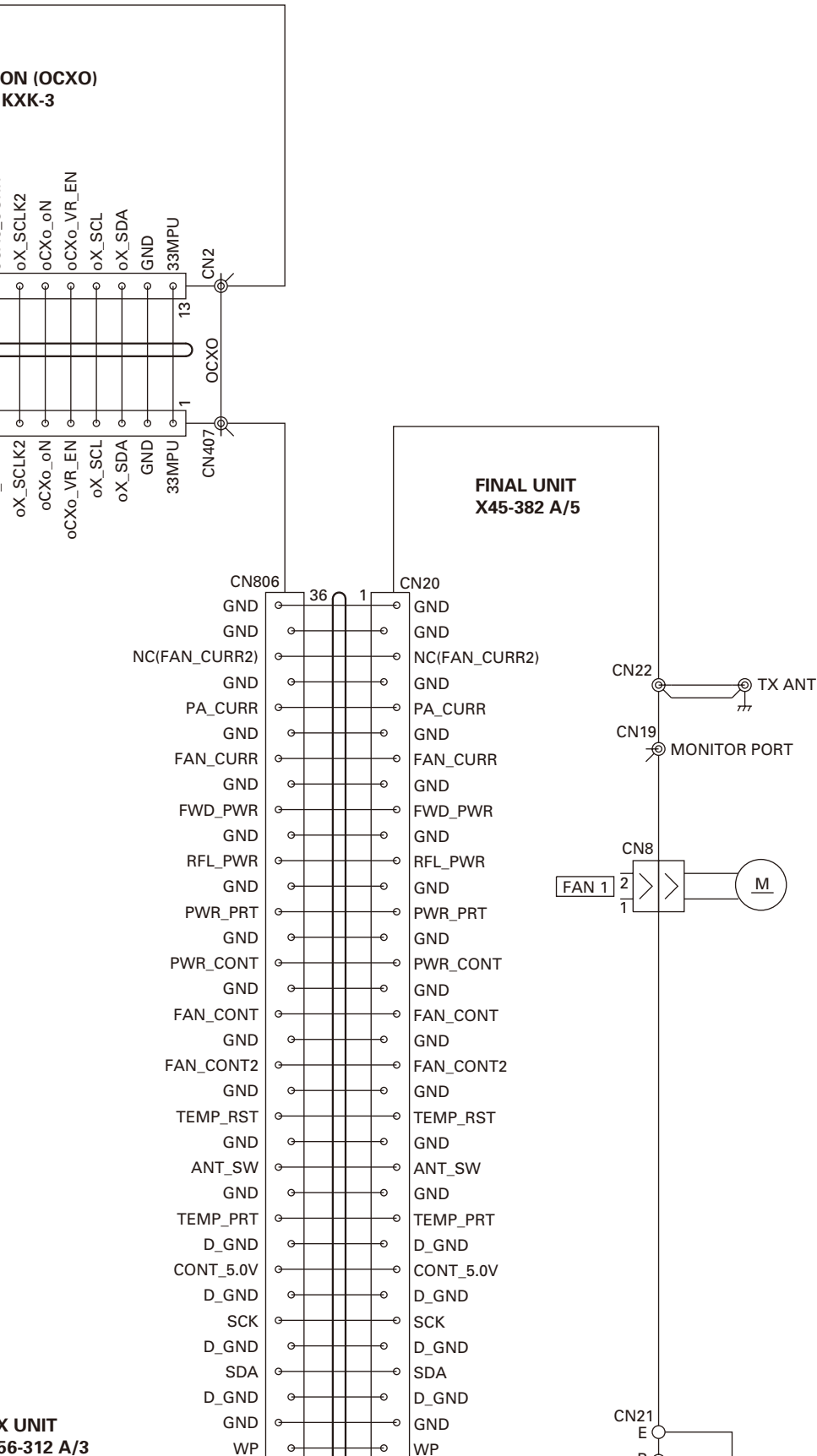


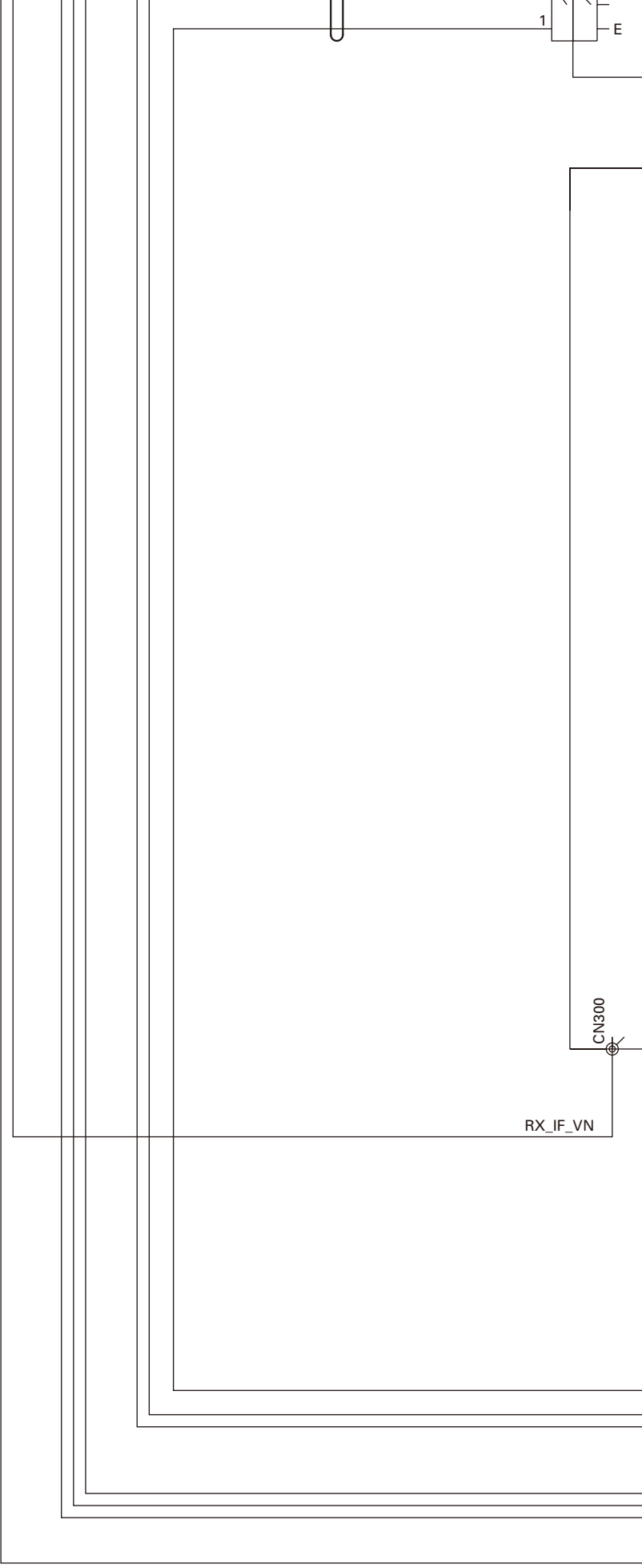
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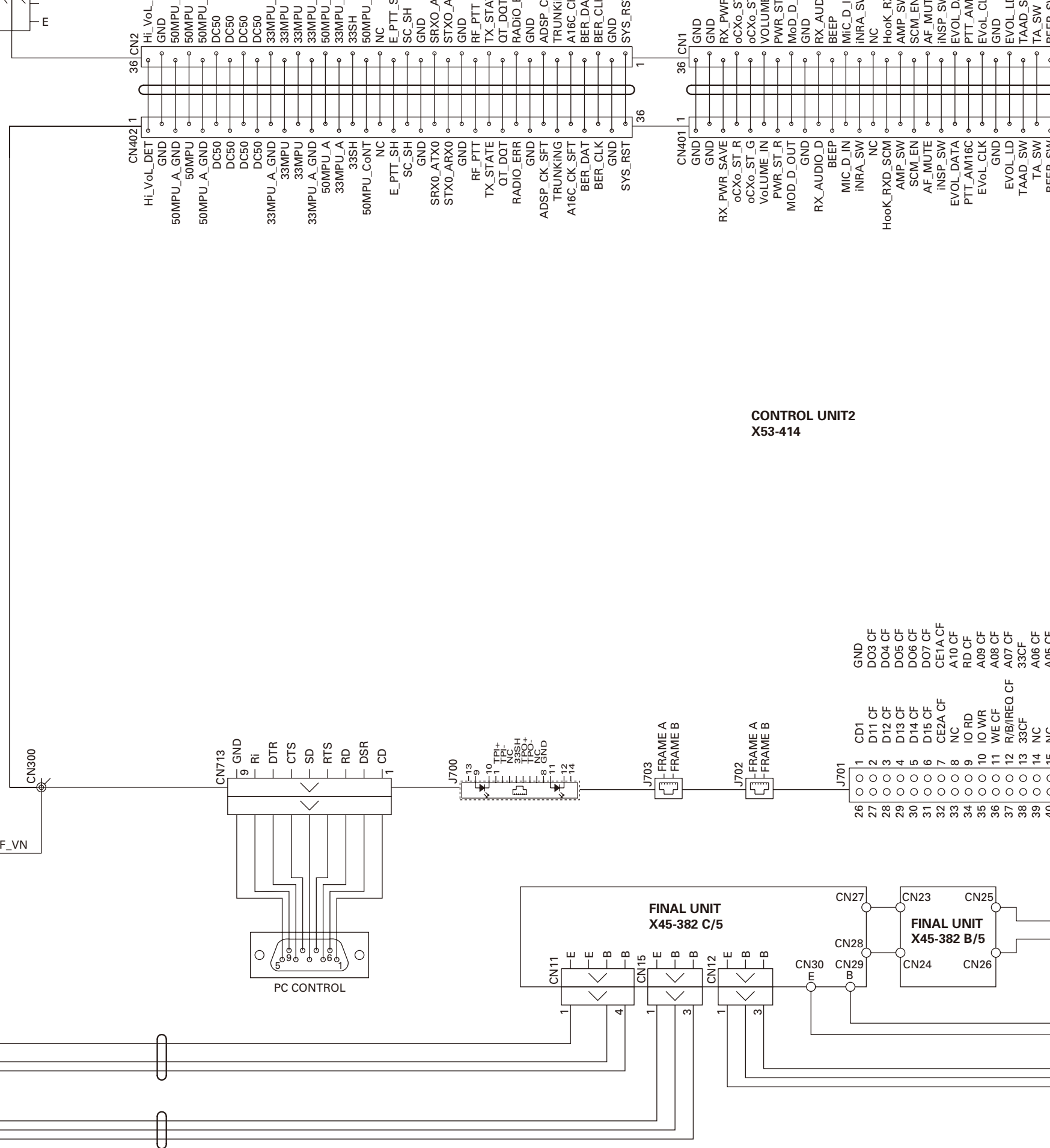


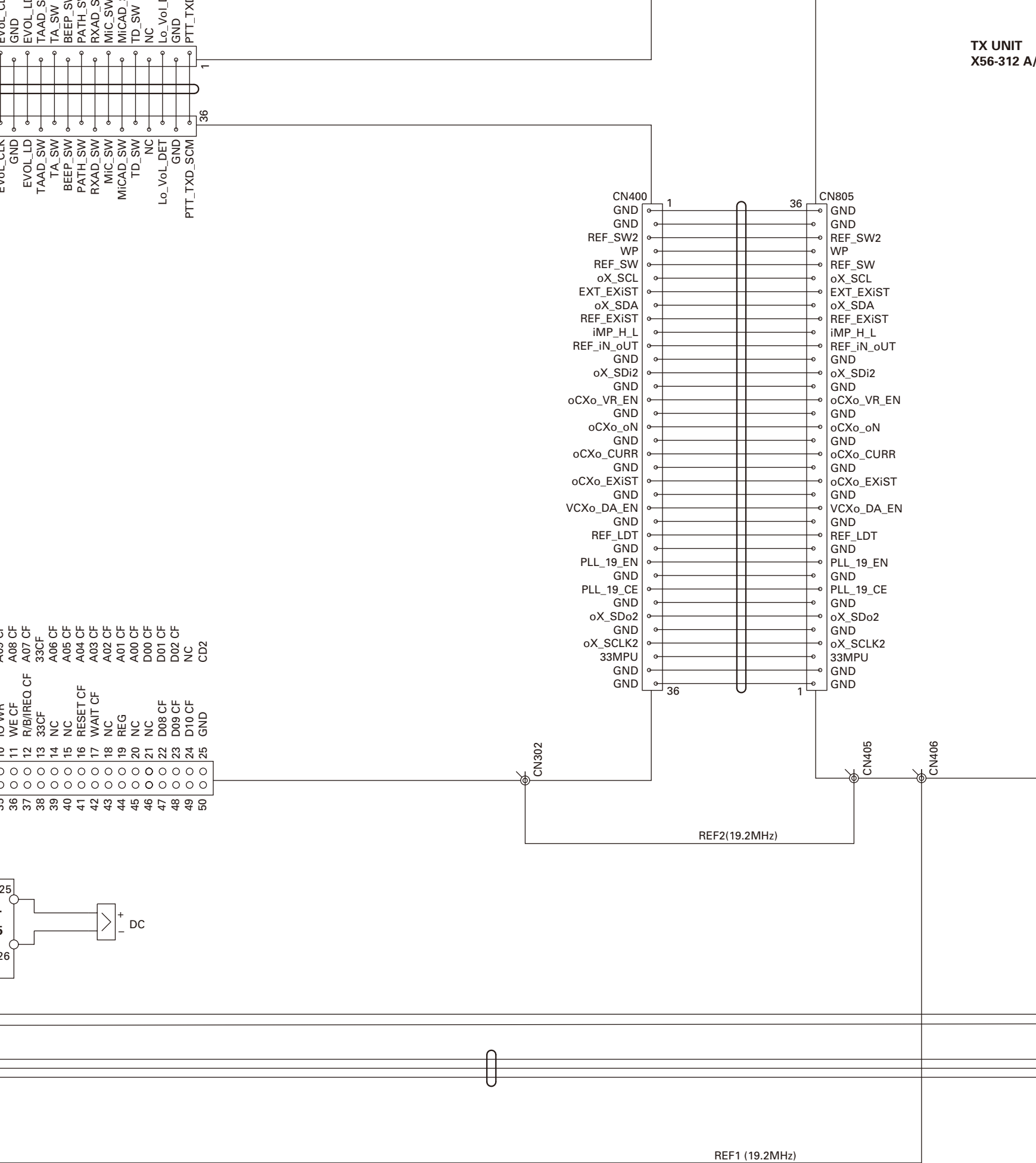




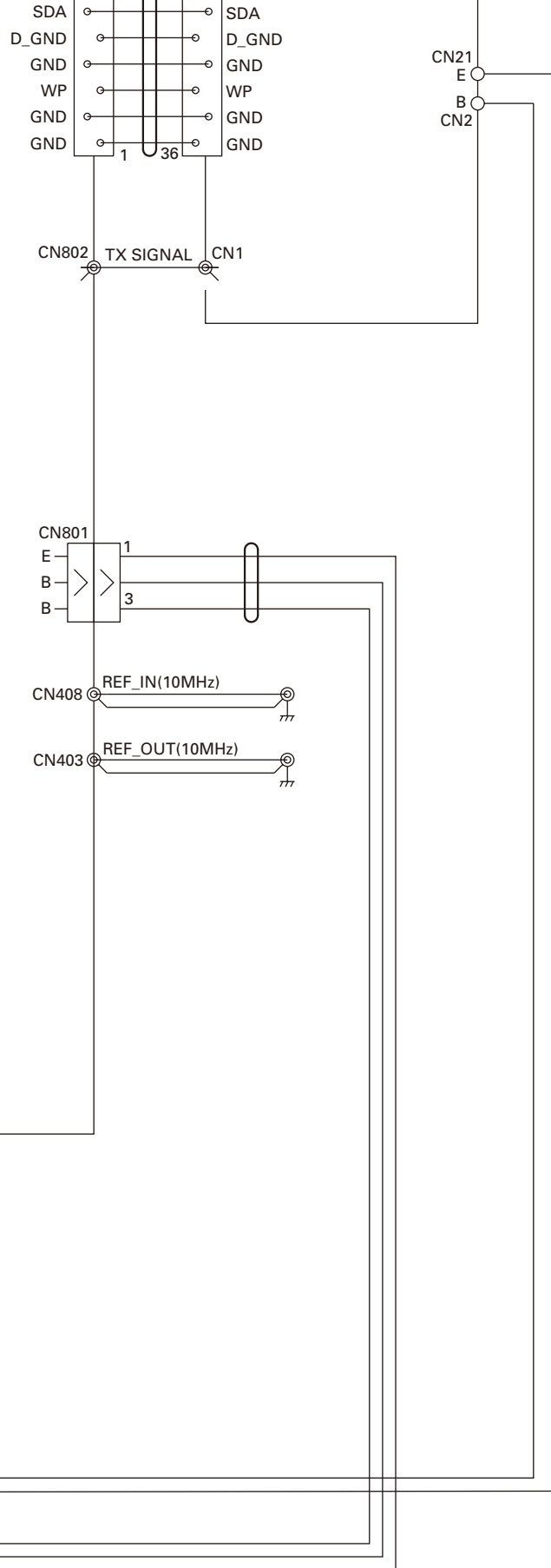




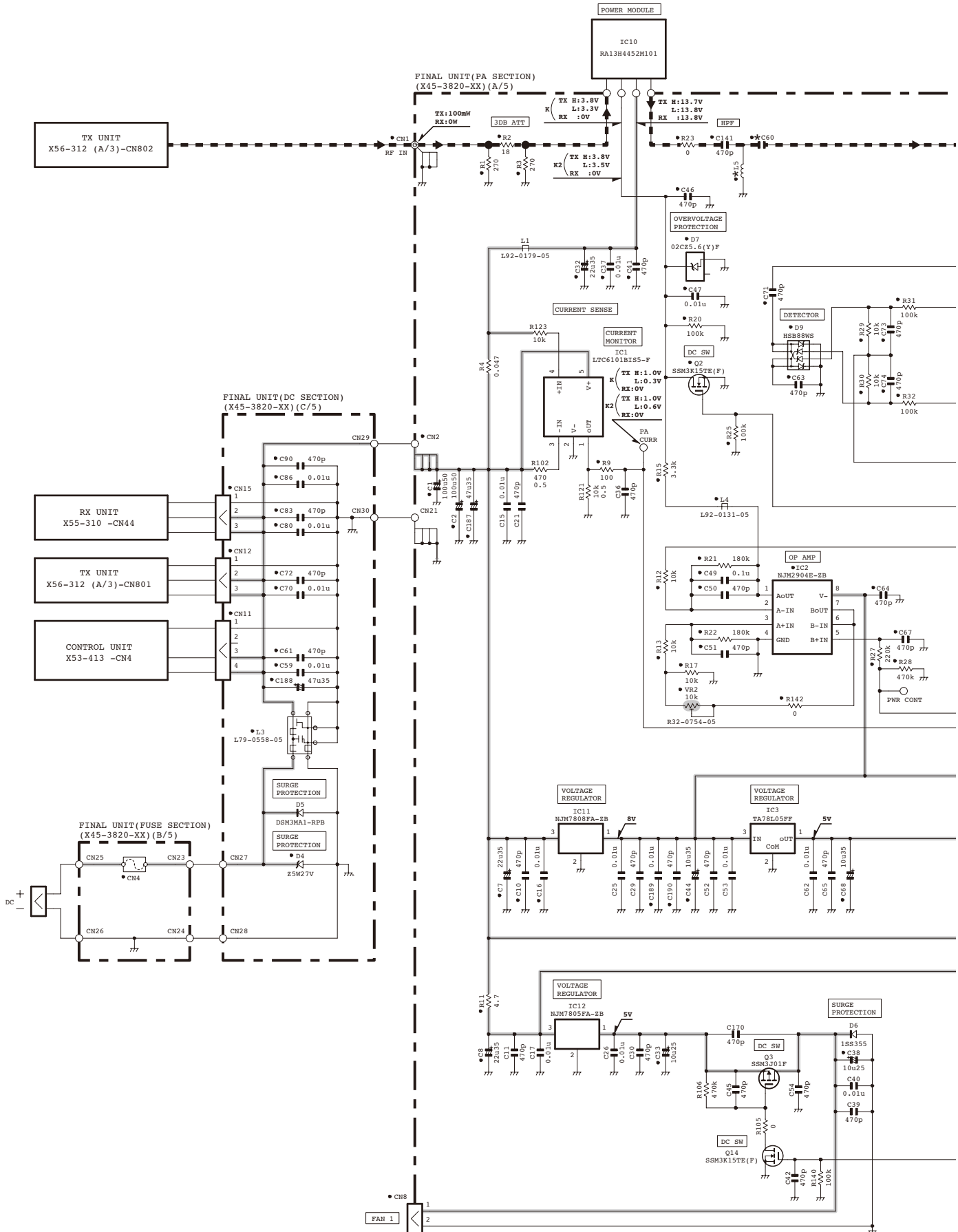




K UNIT
56-312 A/3



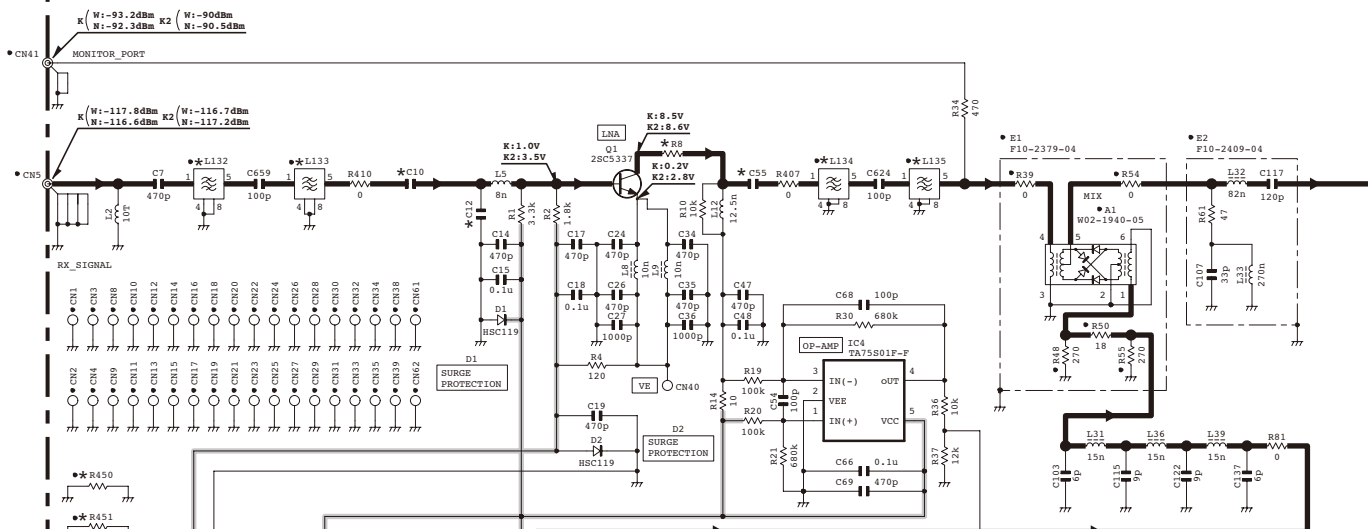
NXR-800 SCHEMATIC DIAGRAM



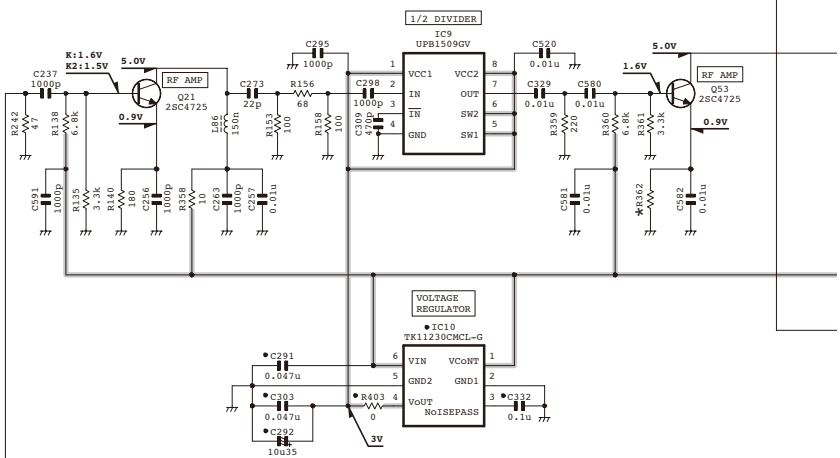
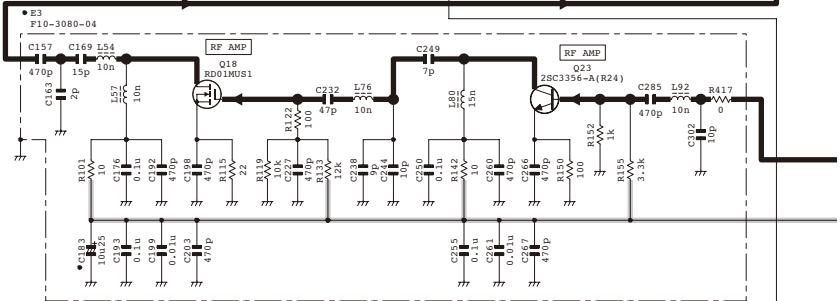
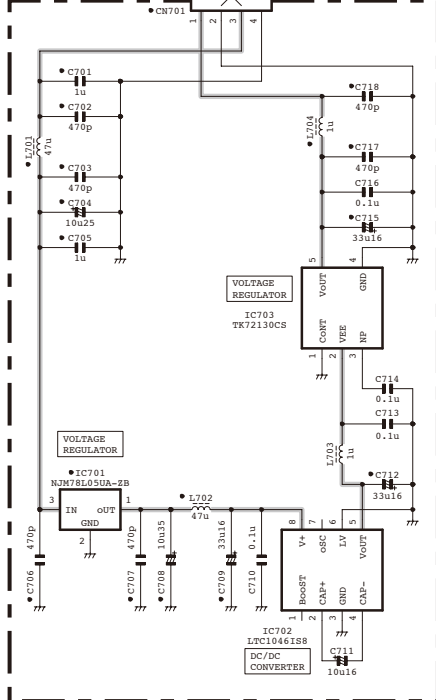
X45-3820-XX	L5	C60
-10	K	L34-4518-05 100p
-11	K2	NO 470p

NXR-800 SCHEMATIC DIAGRAM

RX UNIT (X55-3100-XX)

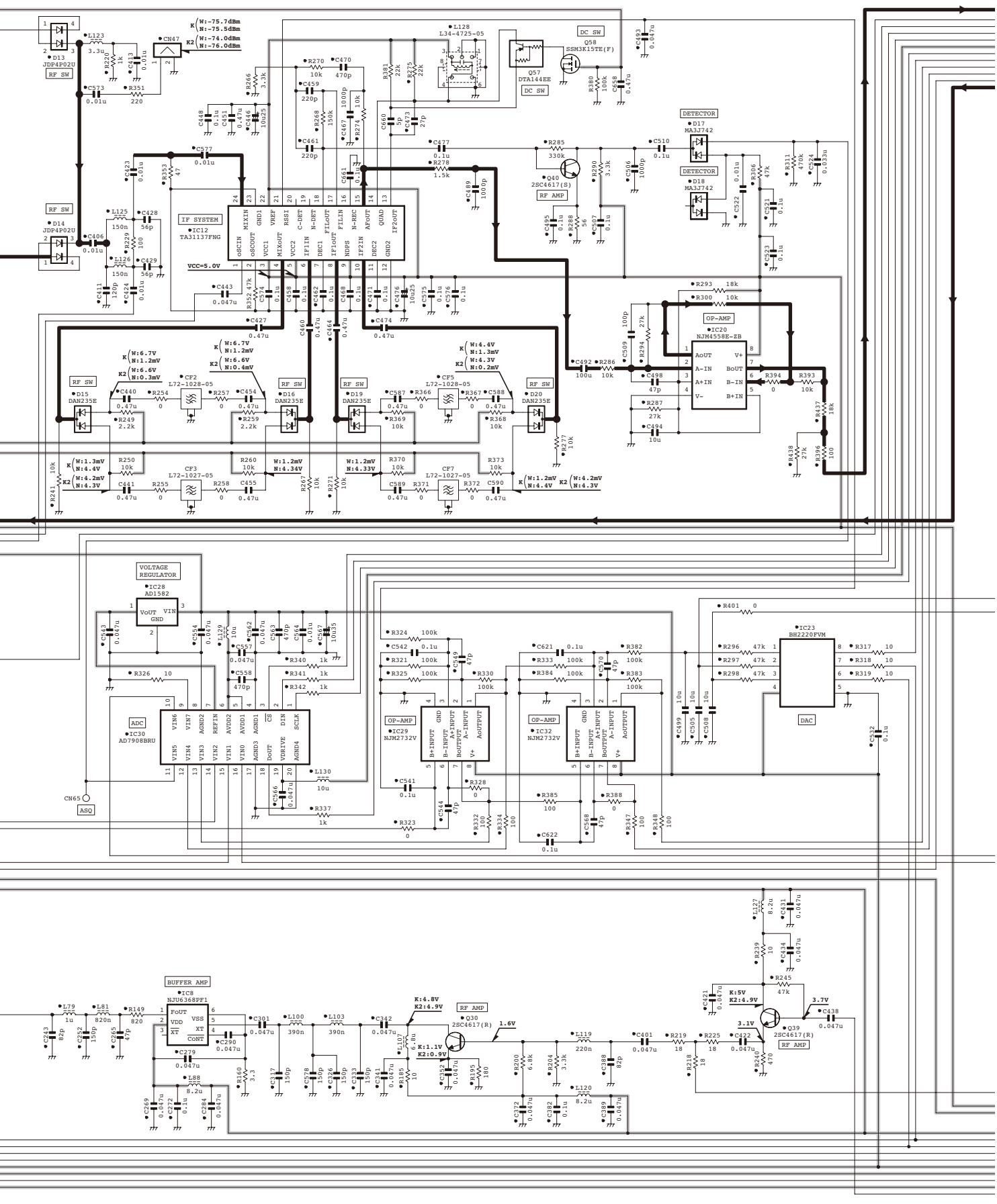


FINAL UNIT (N-DC)
(X45-3820-XX) (D/5)



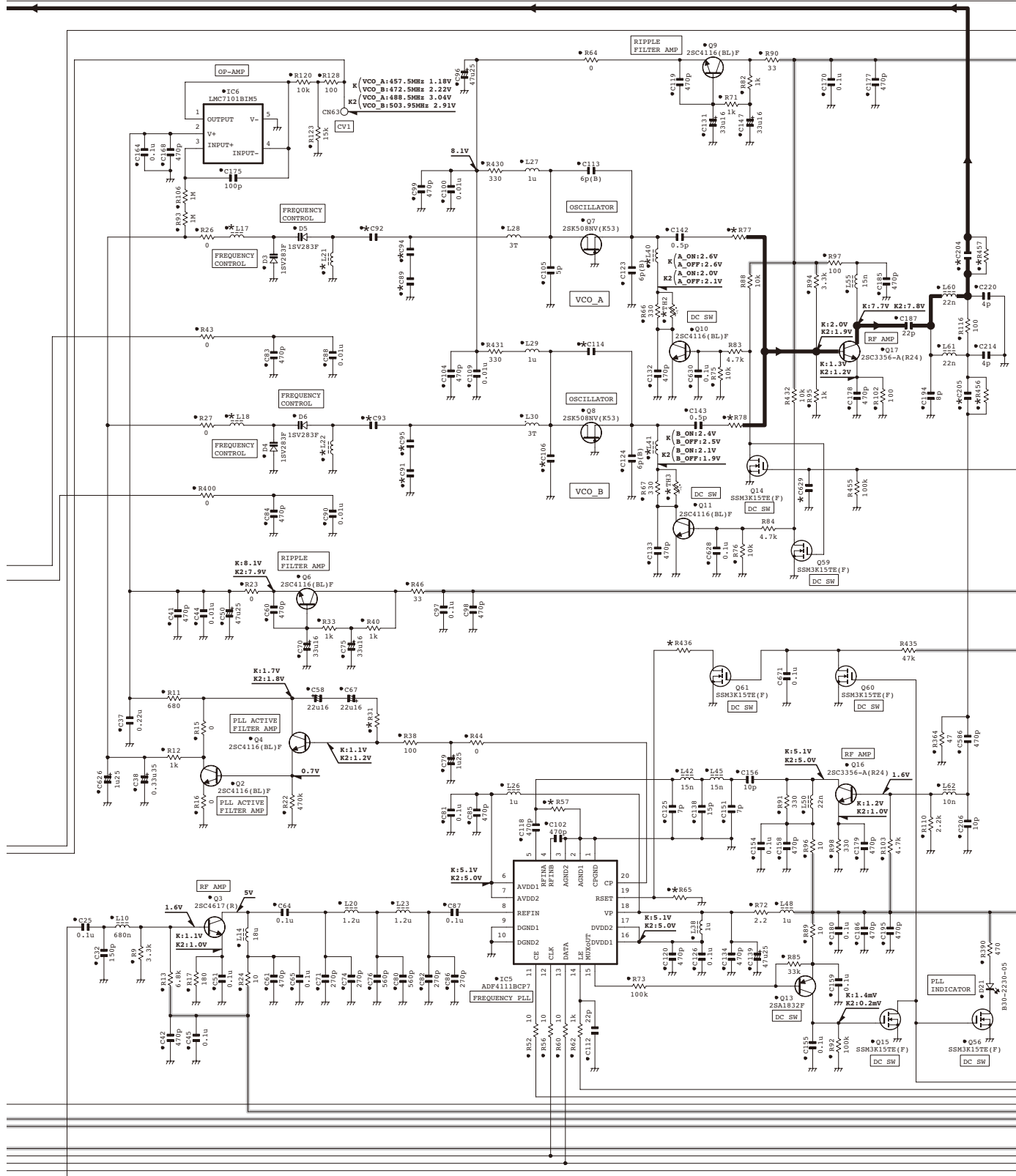
X55-3100-XX	L132	L133	L134	L135	R8	R362	R450	R451	C10	C12	C55
-10	K	L79-1849-05	L79-1849-05	L79-1849-05	L79-1849-05	10	180	0	NO	8p	8p
-11	K2	L79-1852-05	L79-1852-05	L79-1852-05	L79-1852-05	4.7	100	NO	0	7p	6p(B) 8p(B)

NXR-800 SCHEMATIC DIAGRAM



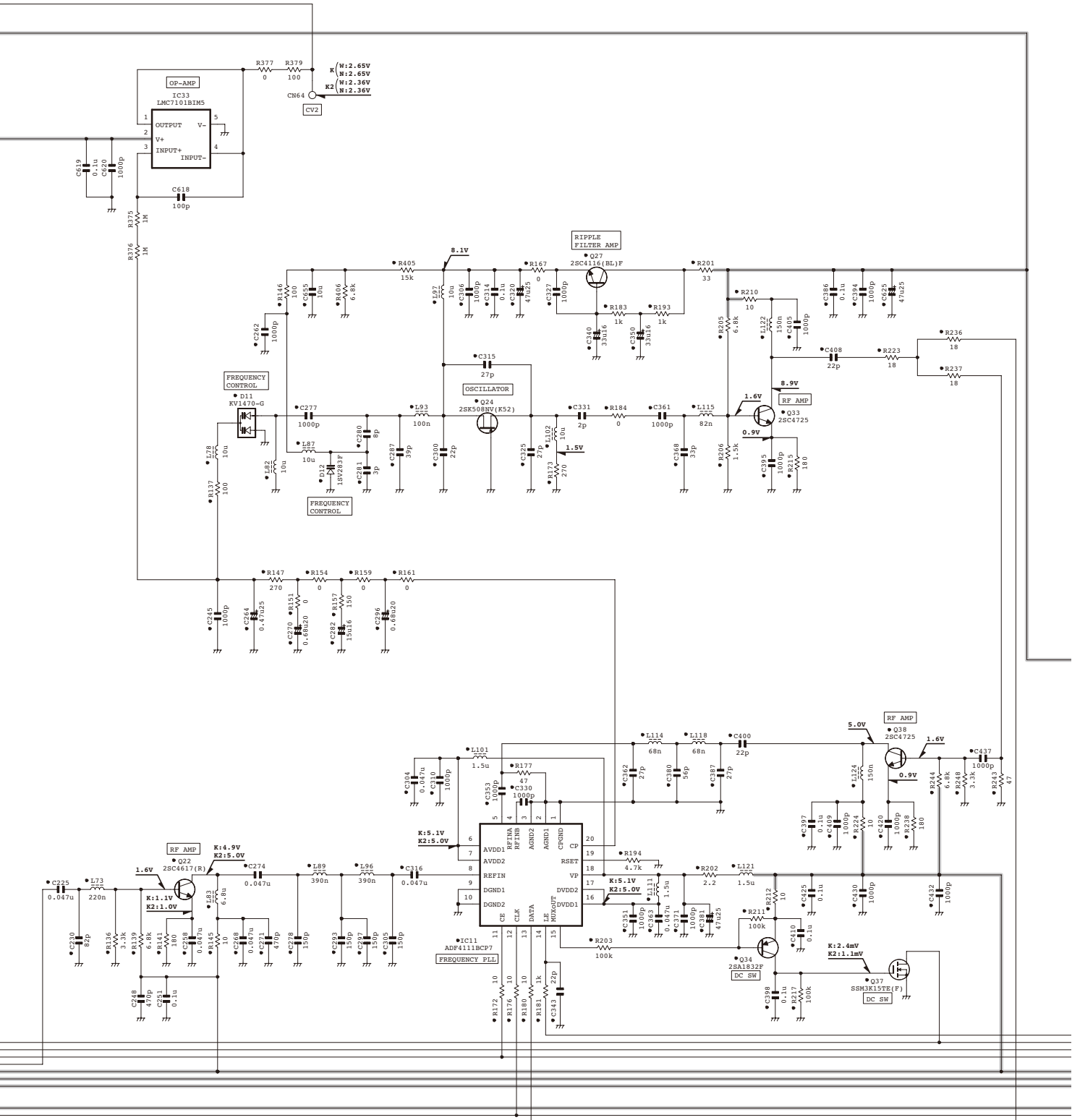
SCHEMATIC DIAGRAM NXR-800

RX UNIT (X55-3100-XX)



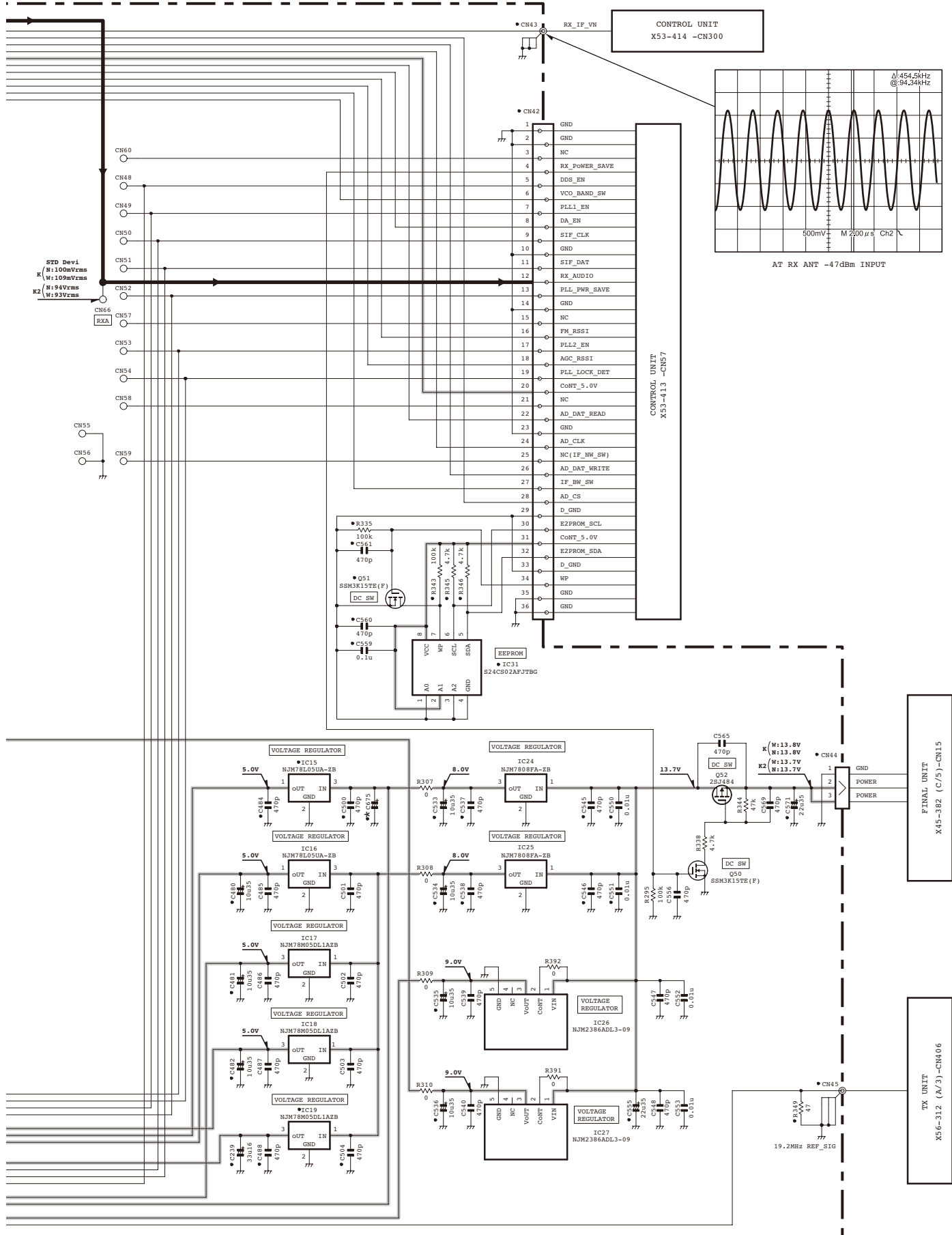
X55-3100-XX	TH2	TH3	L17	L18	L21	L22	L40	L41	R31	R57	R65	R77	R78	R436	R456	R457	C89	C91	C92	C93	C94	C95	C106	C114	C204	C205	C629
-10	K	NO	NO	NO	L41-1095-33	L41-1095-33	L41-1095-33	L41-1095-33	270	NO	8.2k	47	47	3.9k	NO	NO	22p	18p	5p	5p	6p(B)	5p	5p	5p(B)	470p	470p	NO
-11	K2	157-103-53007(10k)	157-103-53007(10k)	L41-1098-40	L41-1098-40	L41-1098-40	L41-1098-40	L41-1098-40	470	47	10k	150	150	4.7k	47	47	18p(G)	12p	4p	4p	4p	4p	4p(G)	6p	NO	NO	470p

NXR-800 SCHEMATIC DIAGRAM



SCHEMATIC DIAGRAM NXR-800

RX UNIT (X55-3100-XX)

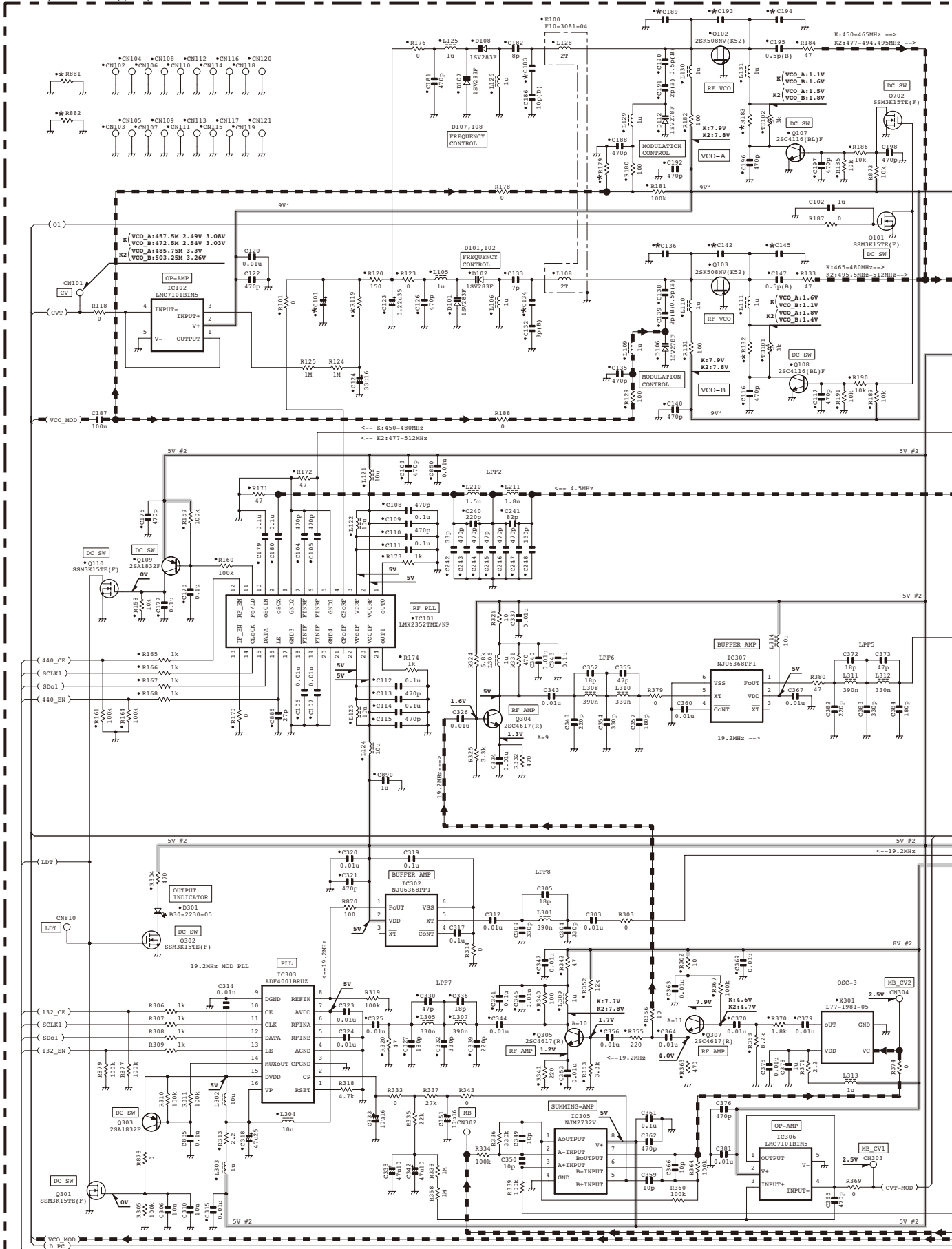


X55-3100-XX	C675
-10	K NO
-11	K2 33u16

Note : The components marked with a dot (•) are parts of layer 1.

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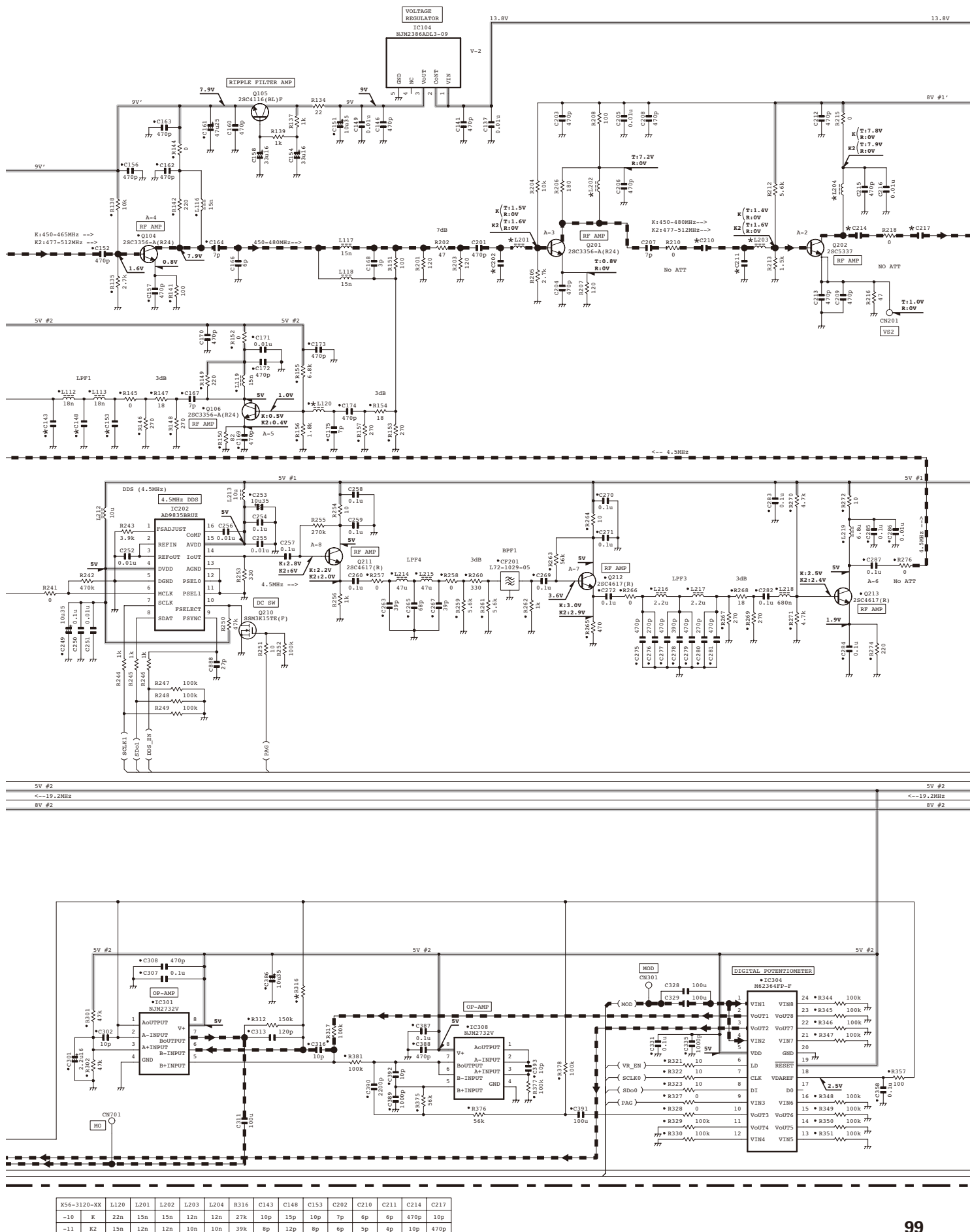
TX UNIT(X56-3120-XX) (A/3)



X56-3120-XX		R119	R132	R179	R183	R881	R882	C101	C134	C136	C142	C145	C183	C189	C193	C19
-10	K	82	180	220k	180	0	NO	0.47u25	9p	7p	9p	10p	10p	8p	9p	10p
-11	K2	100	220	330k	220	NO	0	0.33u35	7p	6p	7p	7p	8p	6p	7p	8p

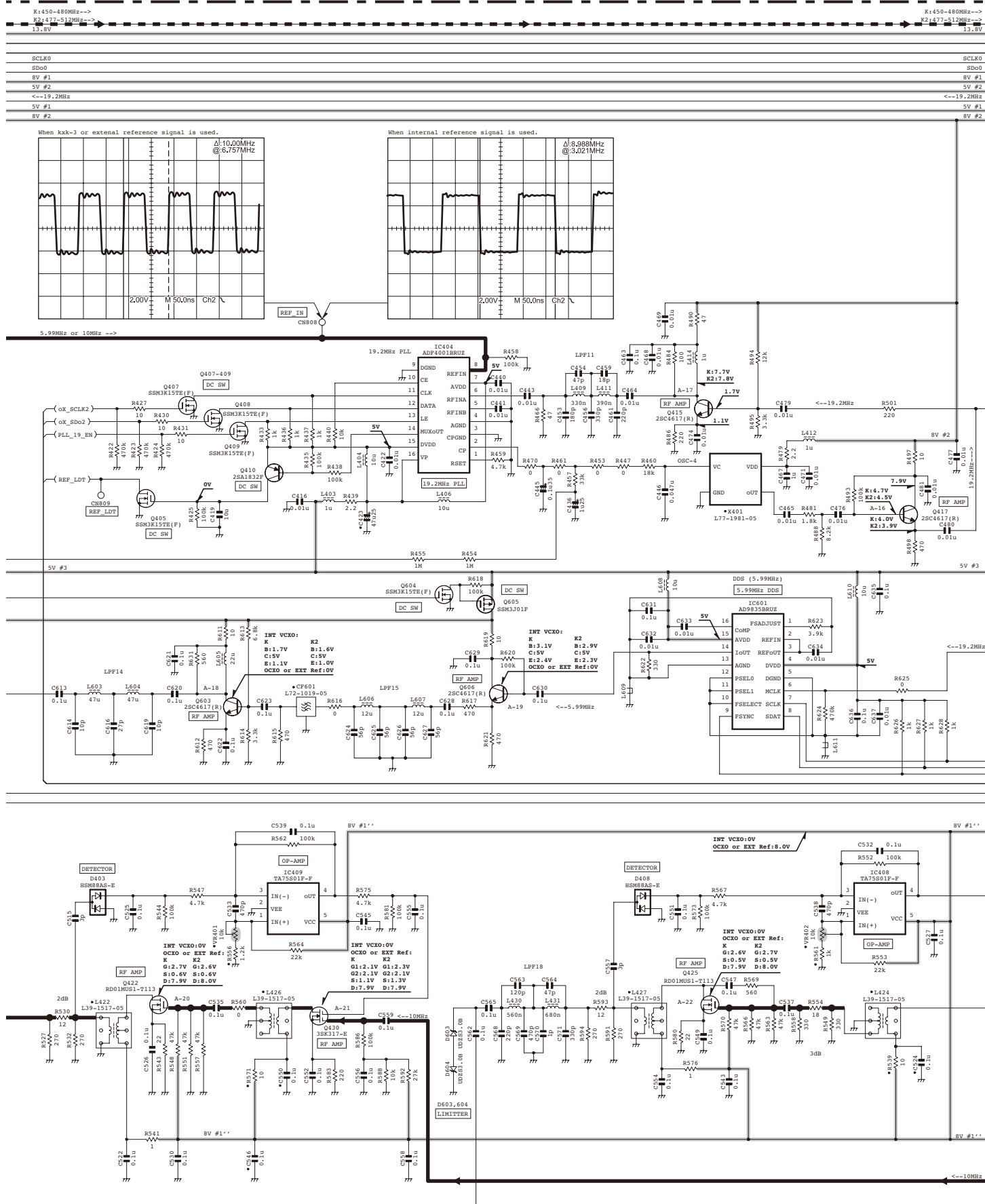
SCHEMATIC DIAGRAM NXR-800

TX UNIT (X56-3120-XX) (A/3)



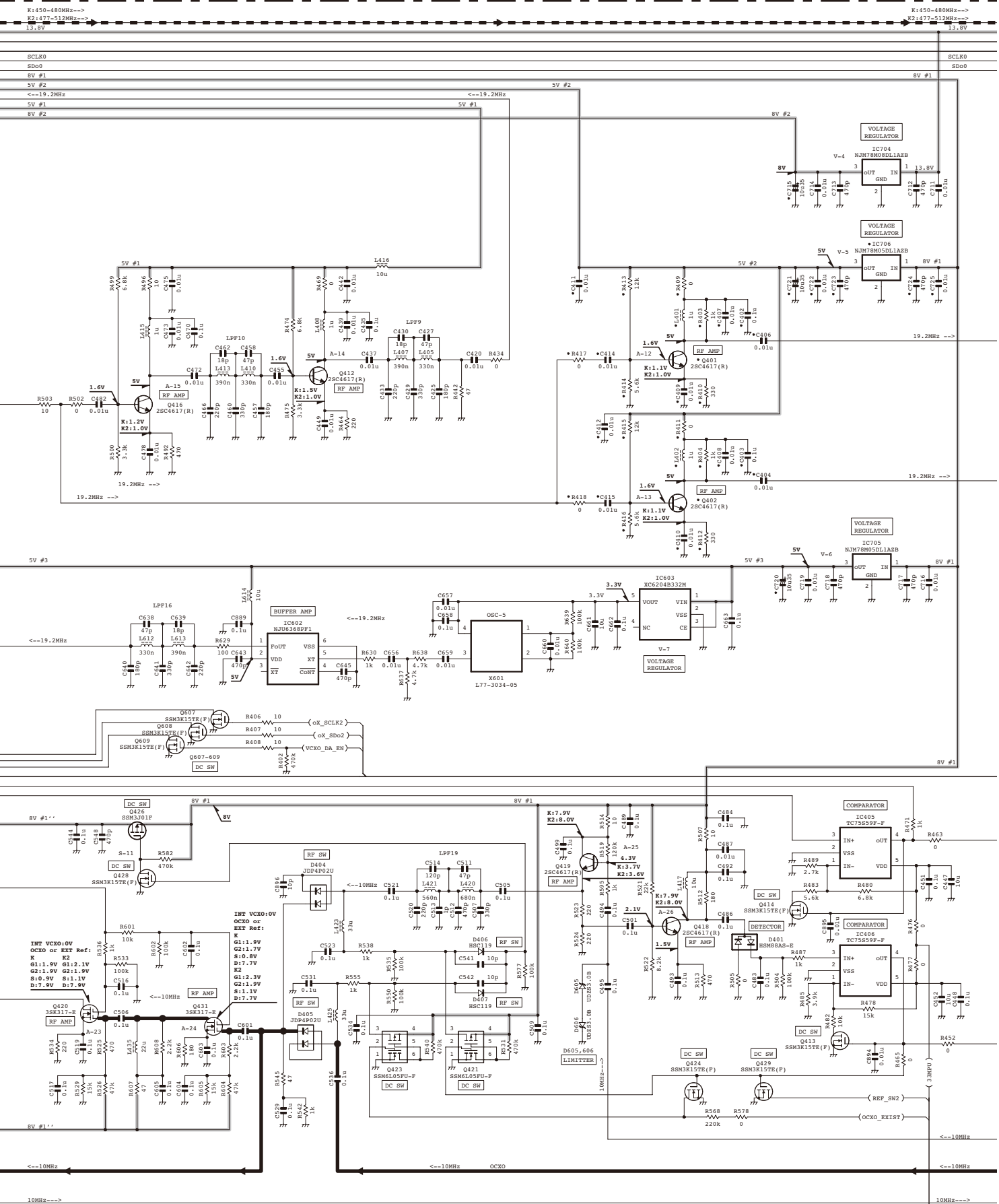
GRAM NXR-800

TX UNIT (X56-3120-XX) (A/3)



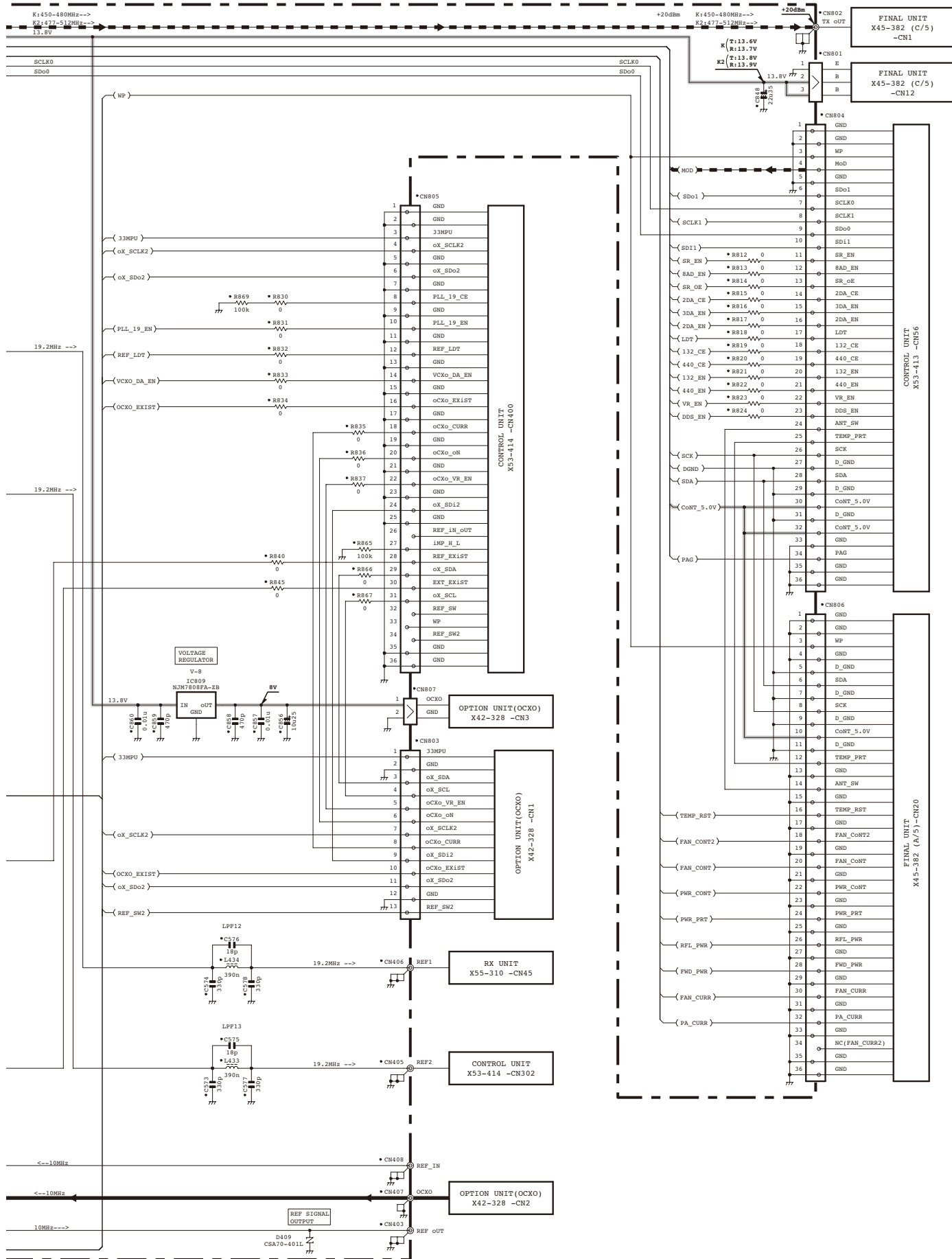
NXR-800 SCHEMATIC DIAGRAM

TX UNIT (X56-312-XX) (A/3)



GRAM NXR-800

TX UNIT (X56-3120-XX) (A/3)

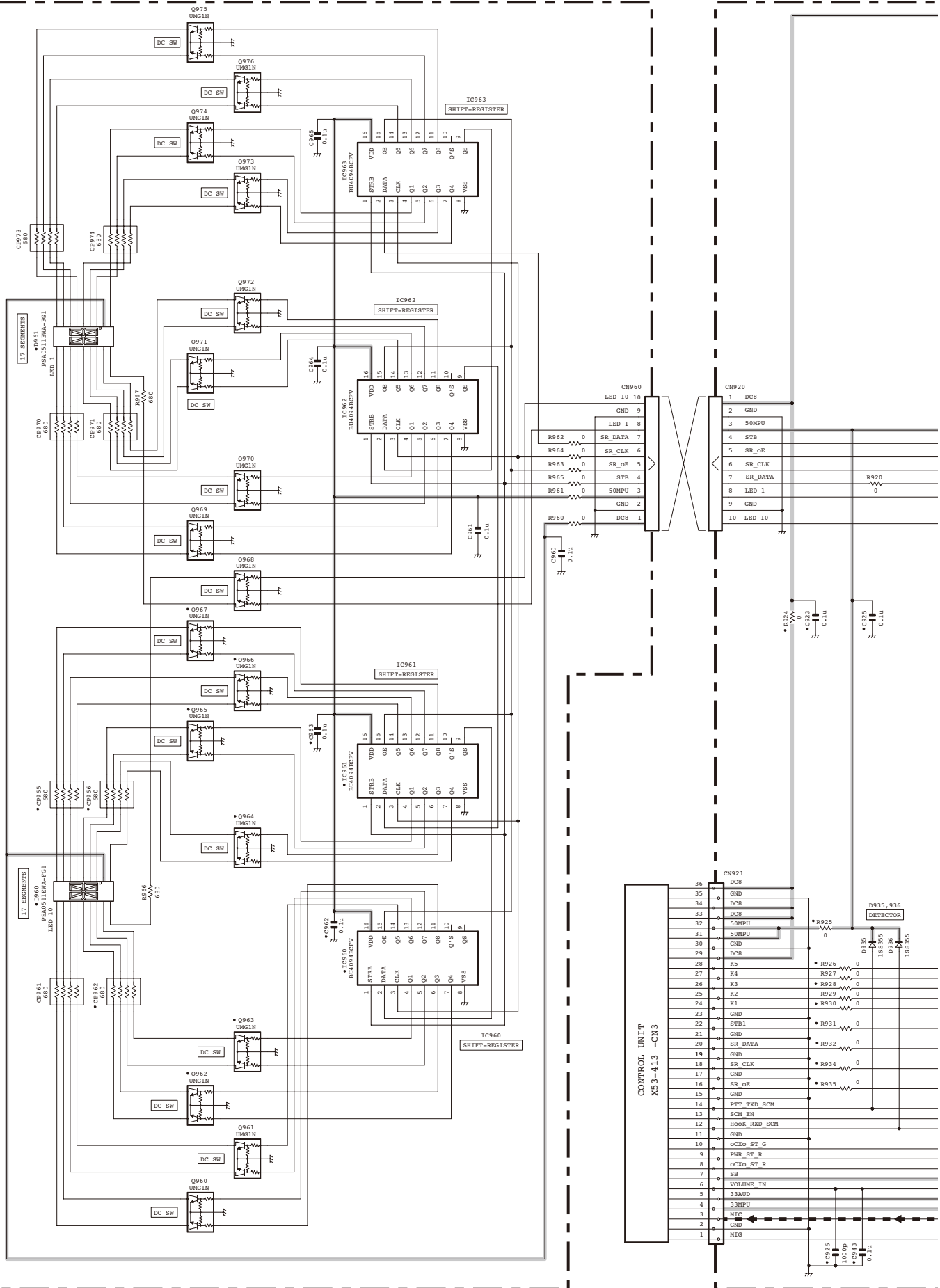


Note : The components marked with a dot (•) are parts of layer 1.

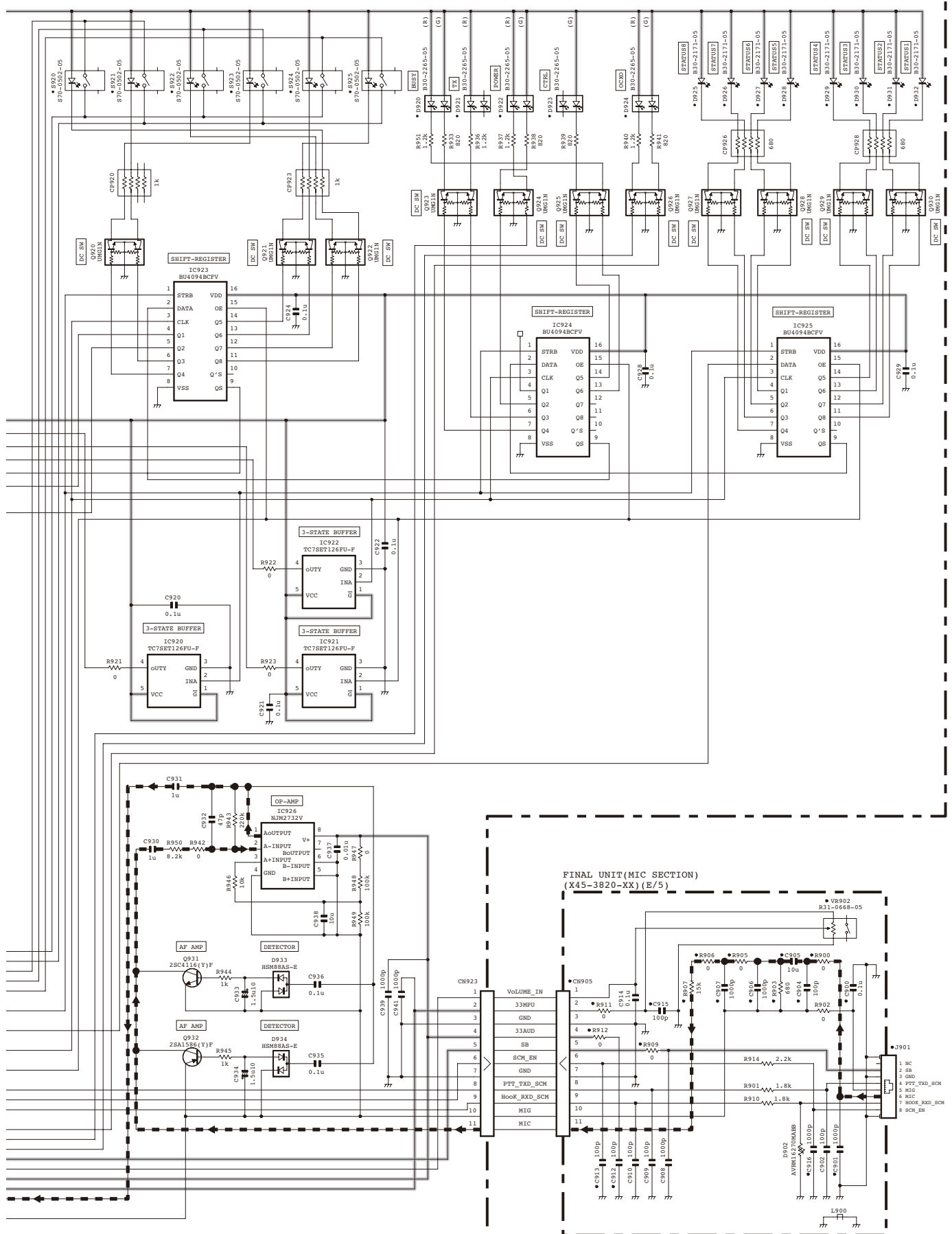
NXR-800 SCHEMATIC DIAGRAM

TX UNIT (17SEG)
(X56-3120-XX)

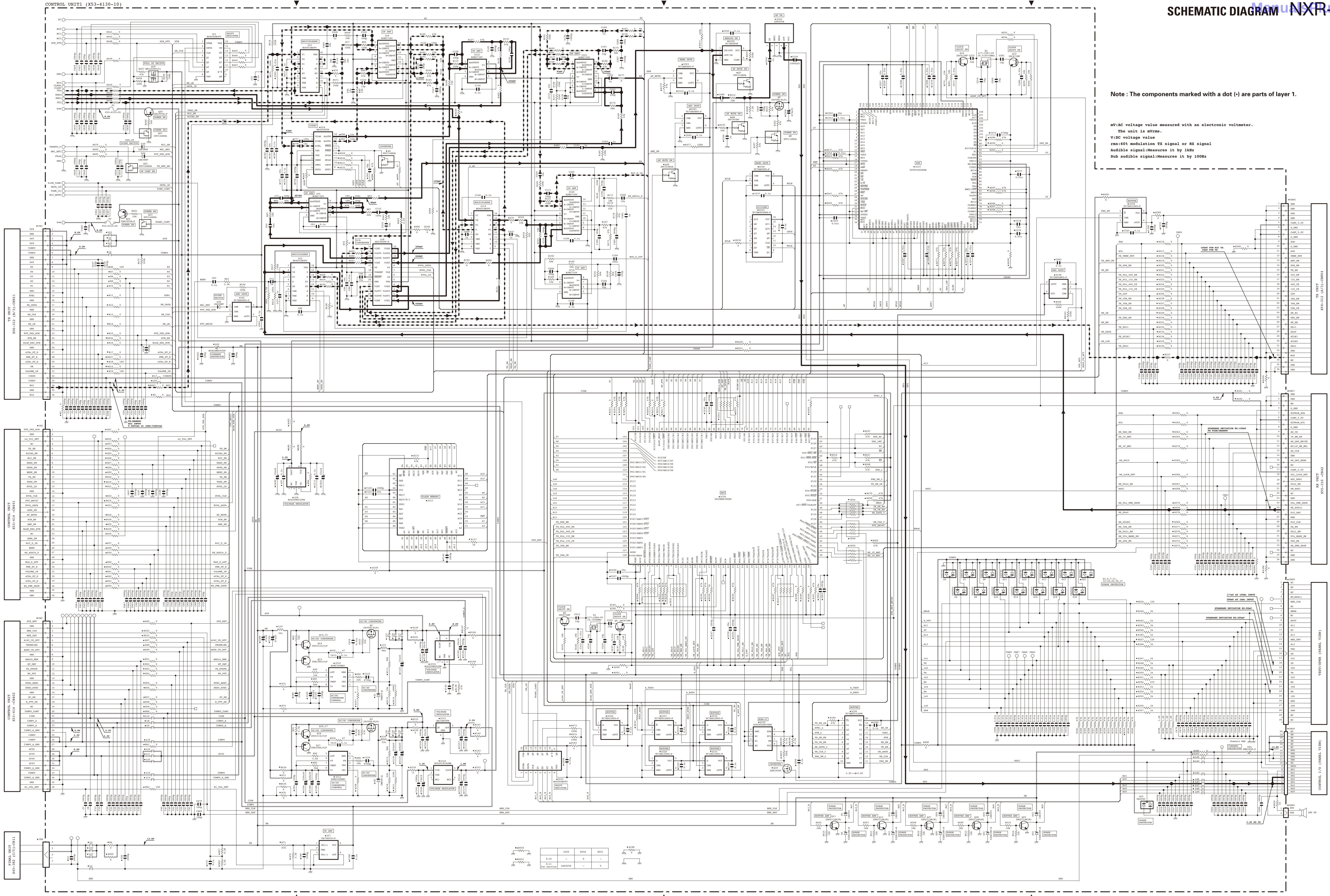
TX UNIT (LED)
(X56-3120-XX)



TX UNIT (LED)
(X56-3120-XX) (B/3)



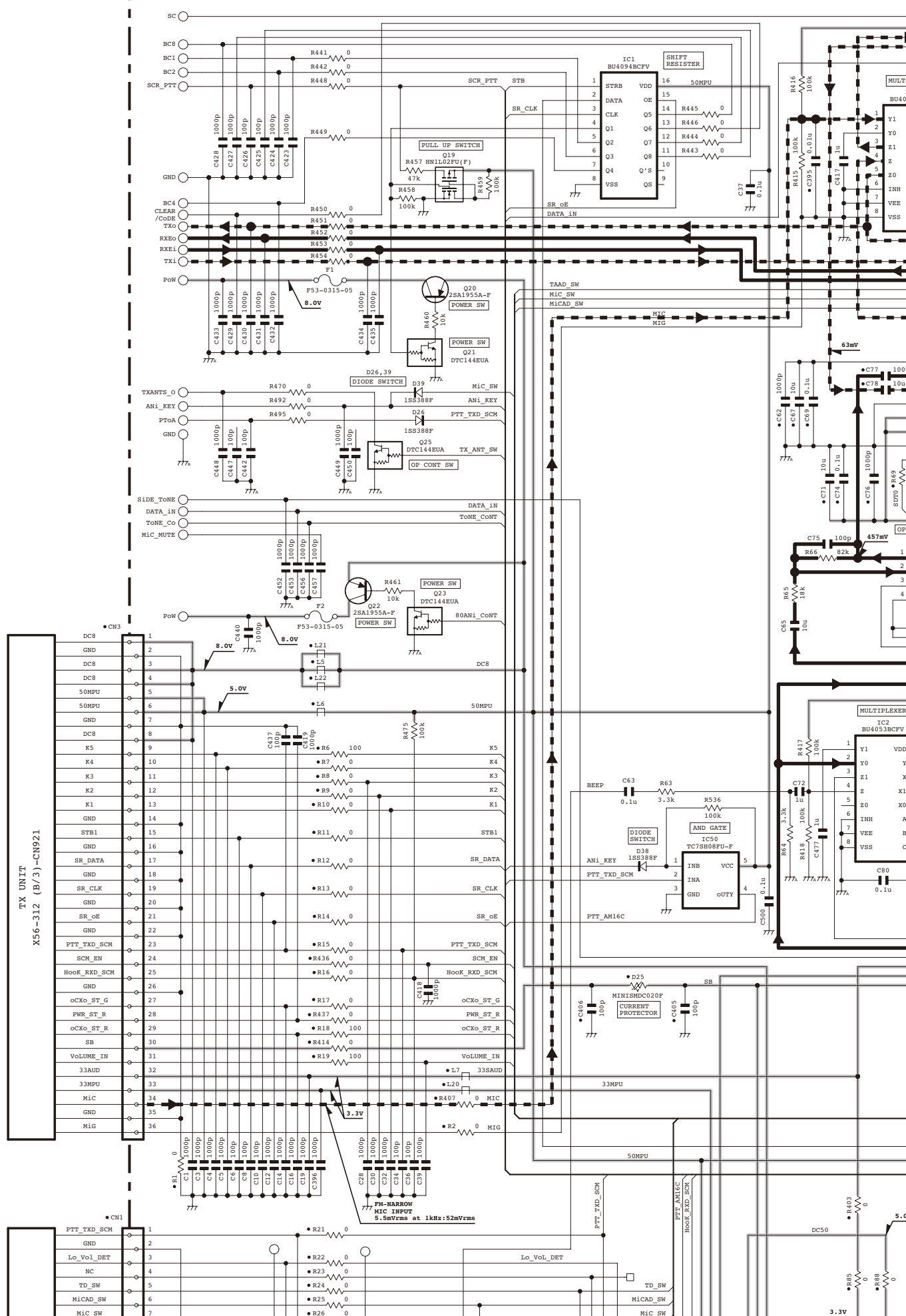
Note : The components marked with a dot (•) are parts of layer 1.

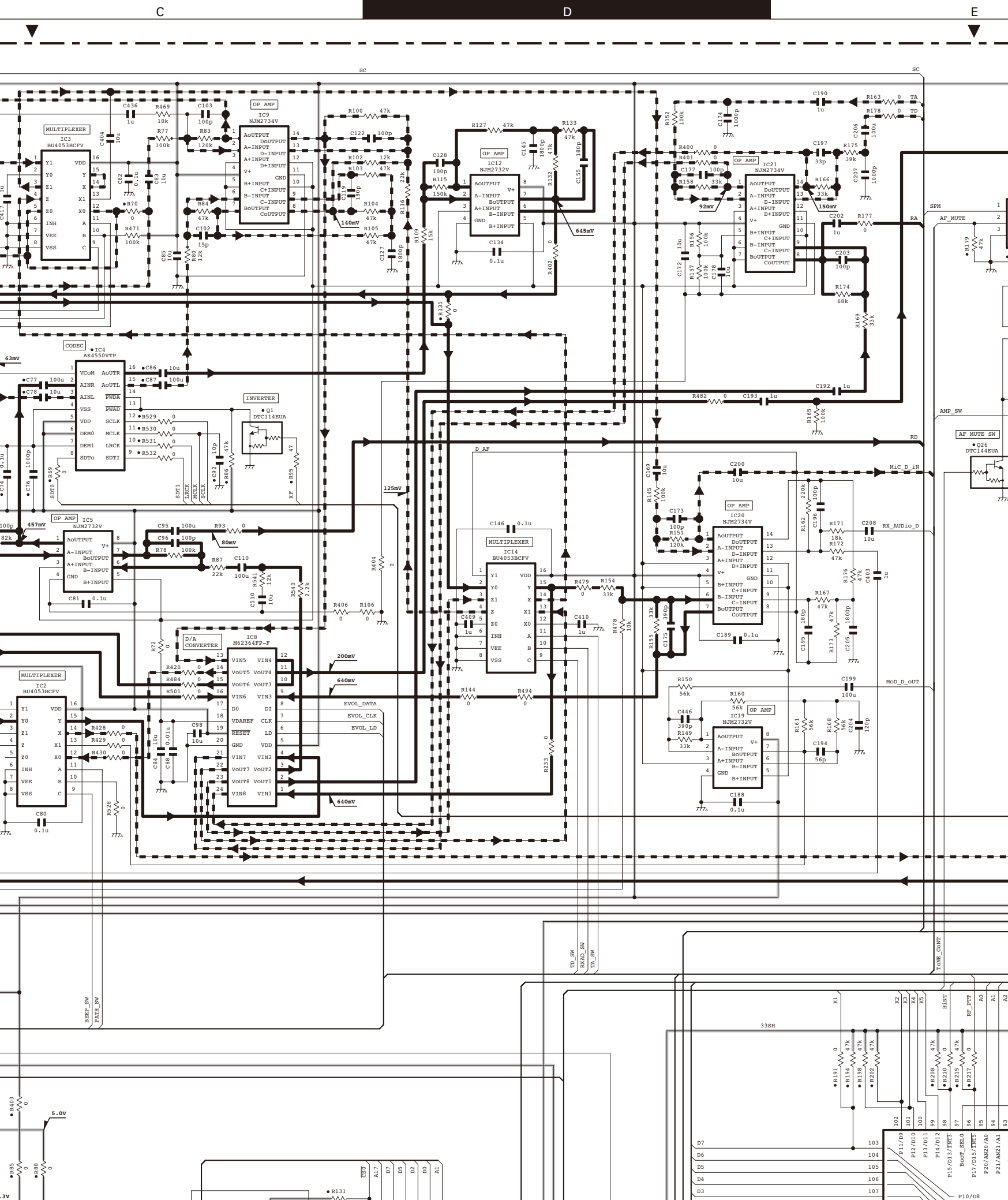


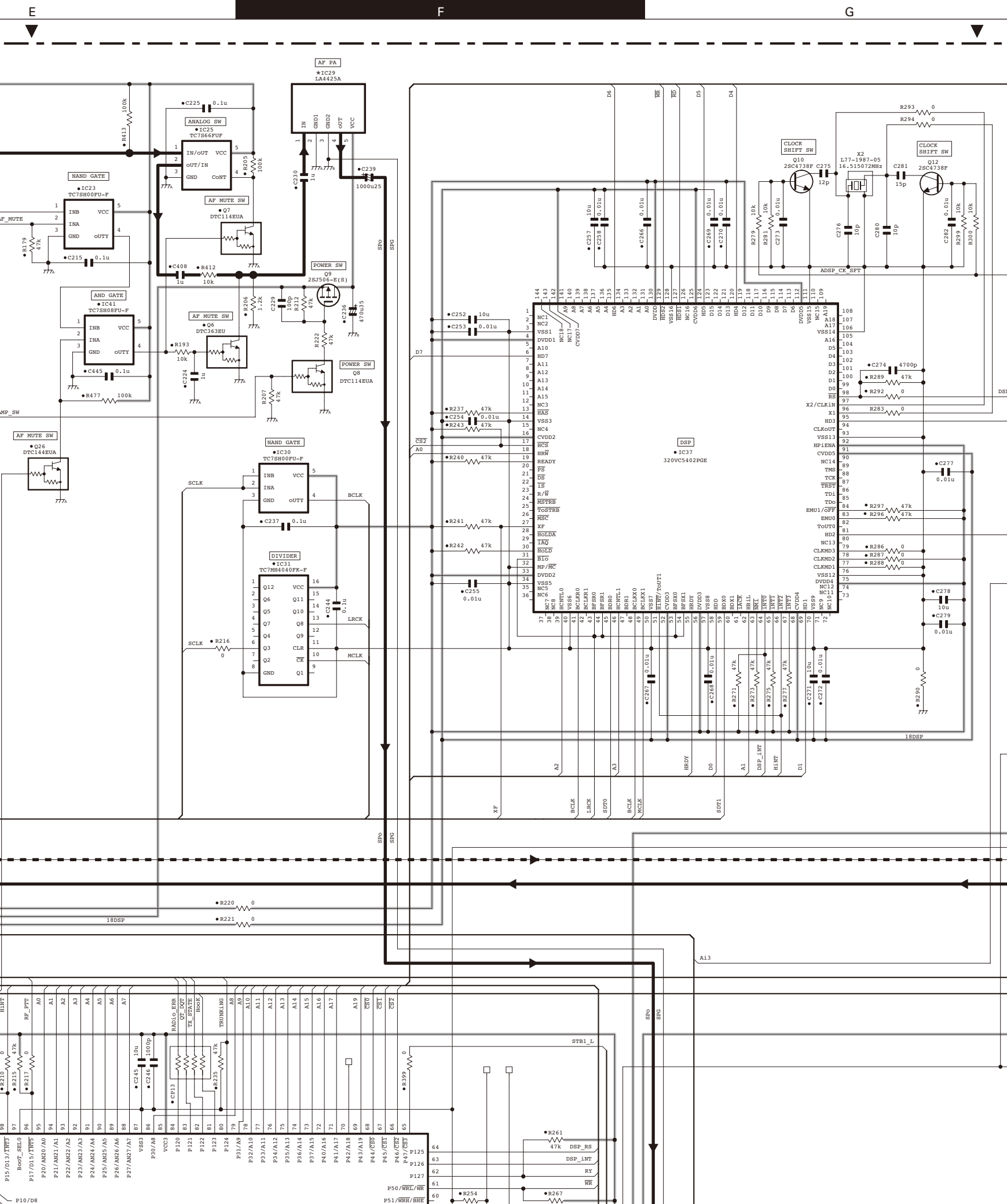
Note : The components marked with a dot (·) are parts of layer 1.

mV:AC voltage value measured with an electronic voltmeter.
 The unit is mVrms.
 V:DC voltage value
 rms:60% modulation TX signal or RX signal
 Audible signal:Measures it by 1kHz
 Sub audible signal:Measures it by 100Hz

CONTROL UNIT1 (X53-4130-10)







SCHEMATIC DIAGRAM NXR-800

Note : The components marked with a dot (•) are parts of layer 1.

mV:AC voltage value measured with an electronic voltmeter.

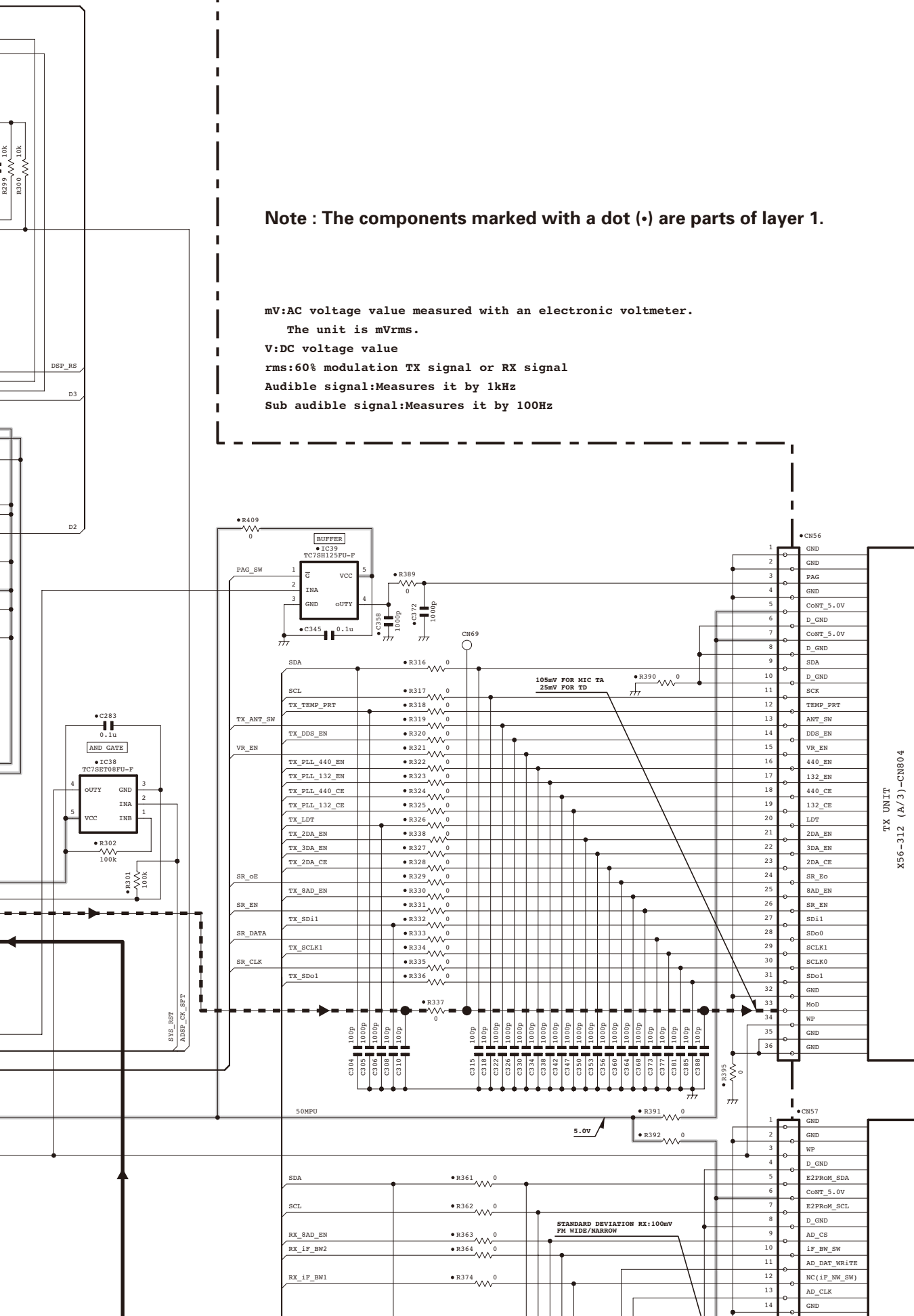
The unit is mVrms.

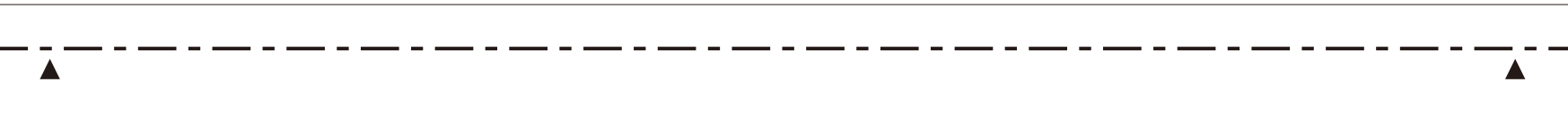
V:DC voltage value

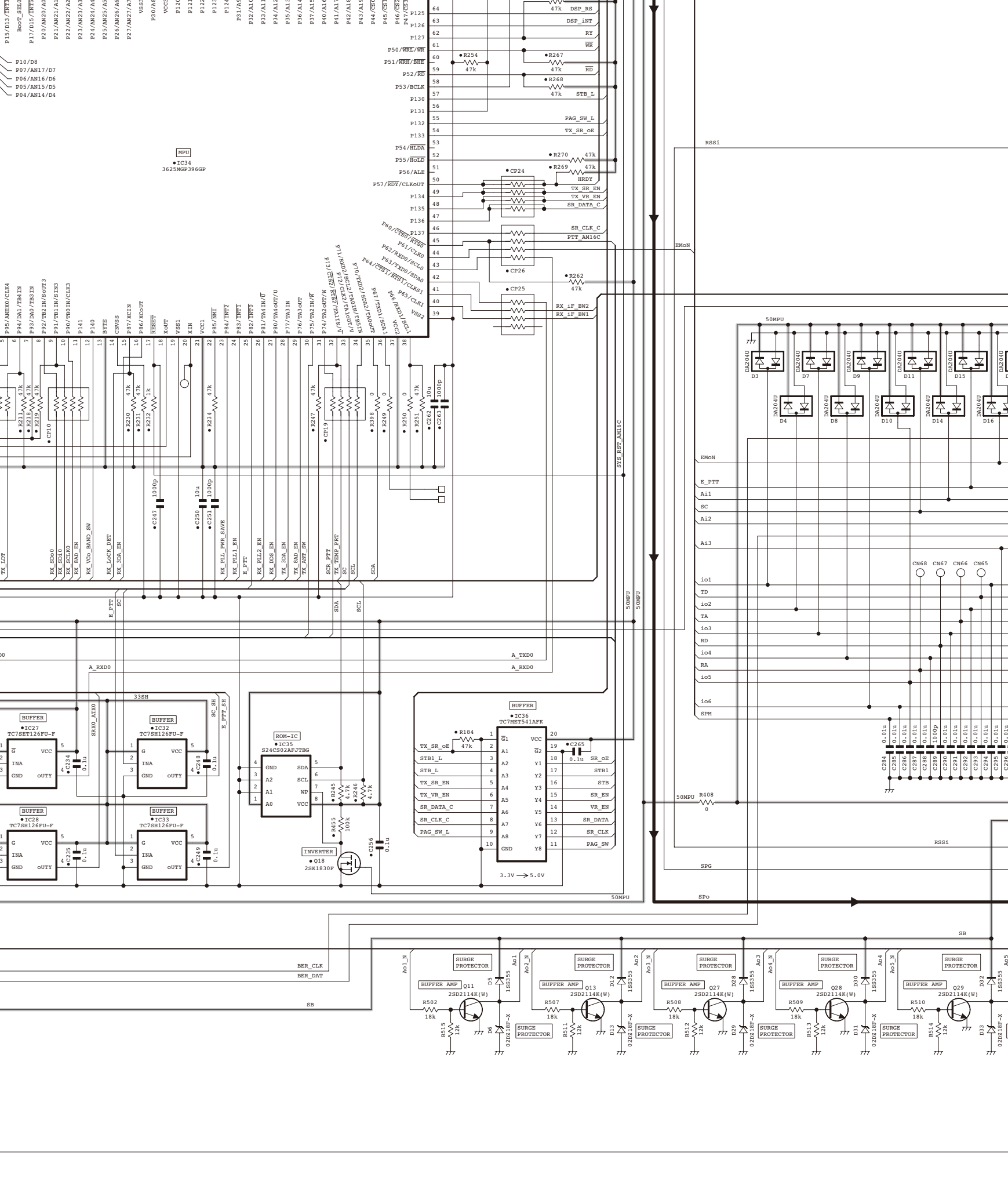
rms:60% modulation TX signal or RX signal

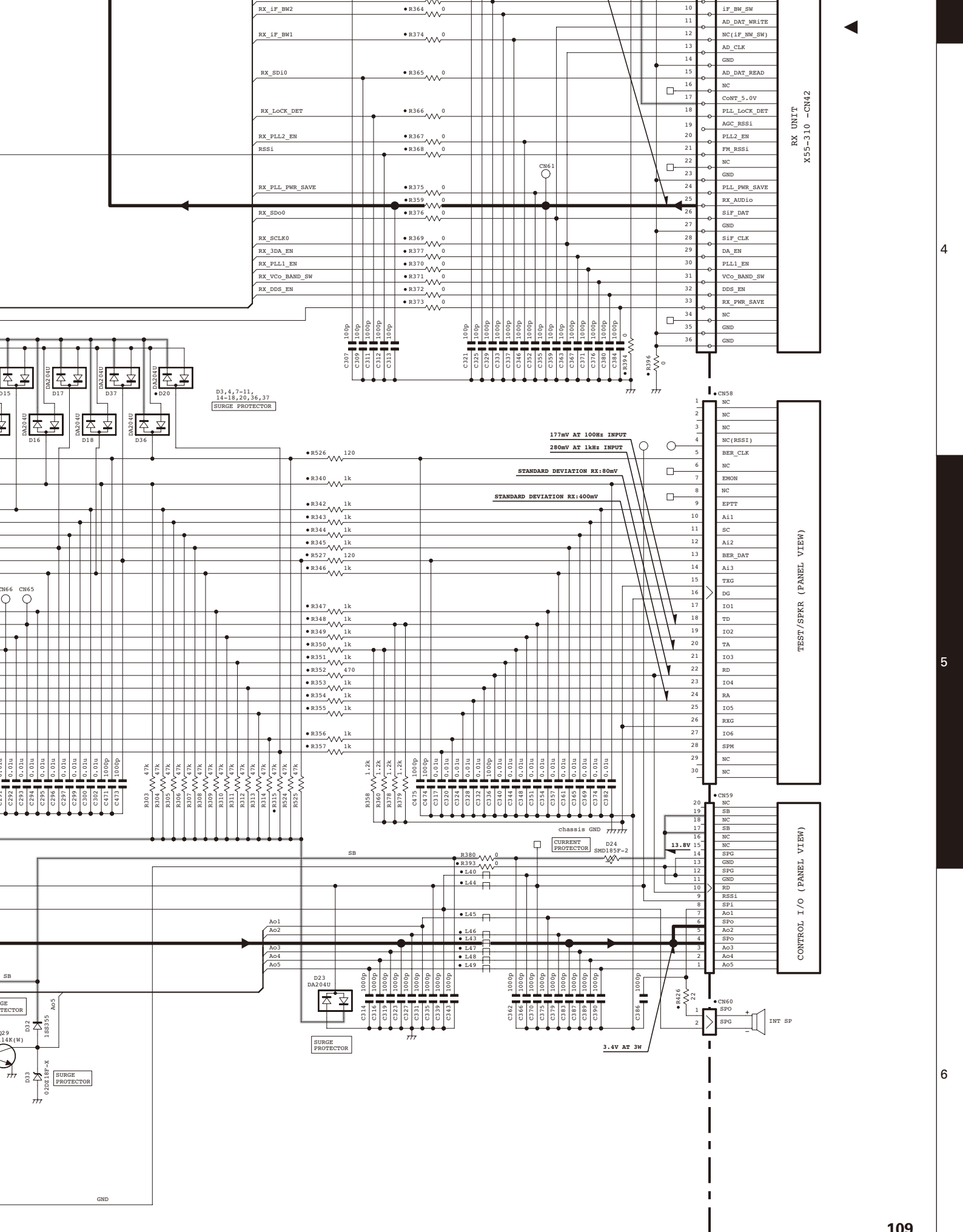
Audible signal:Measures it by 1kHz

Sub audible signal:Measures it by 100Hz





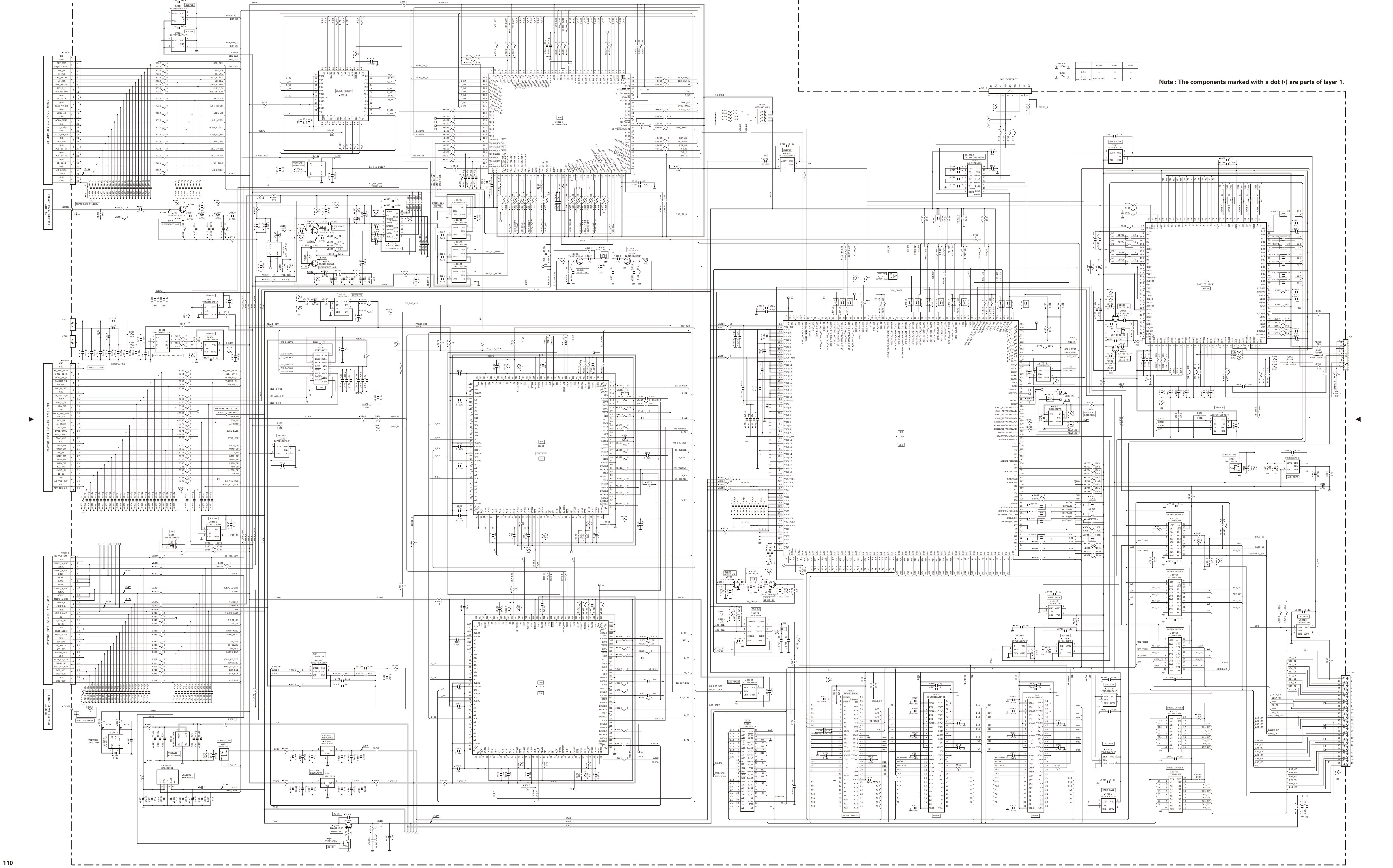


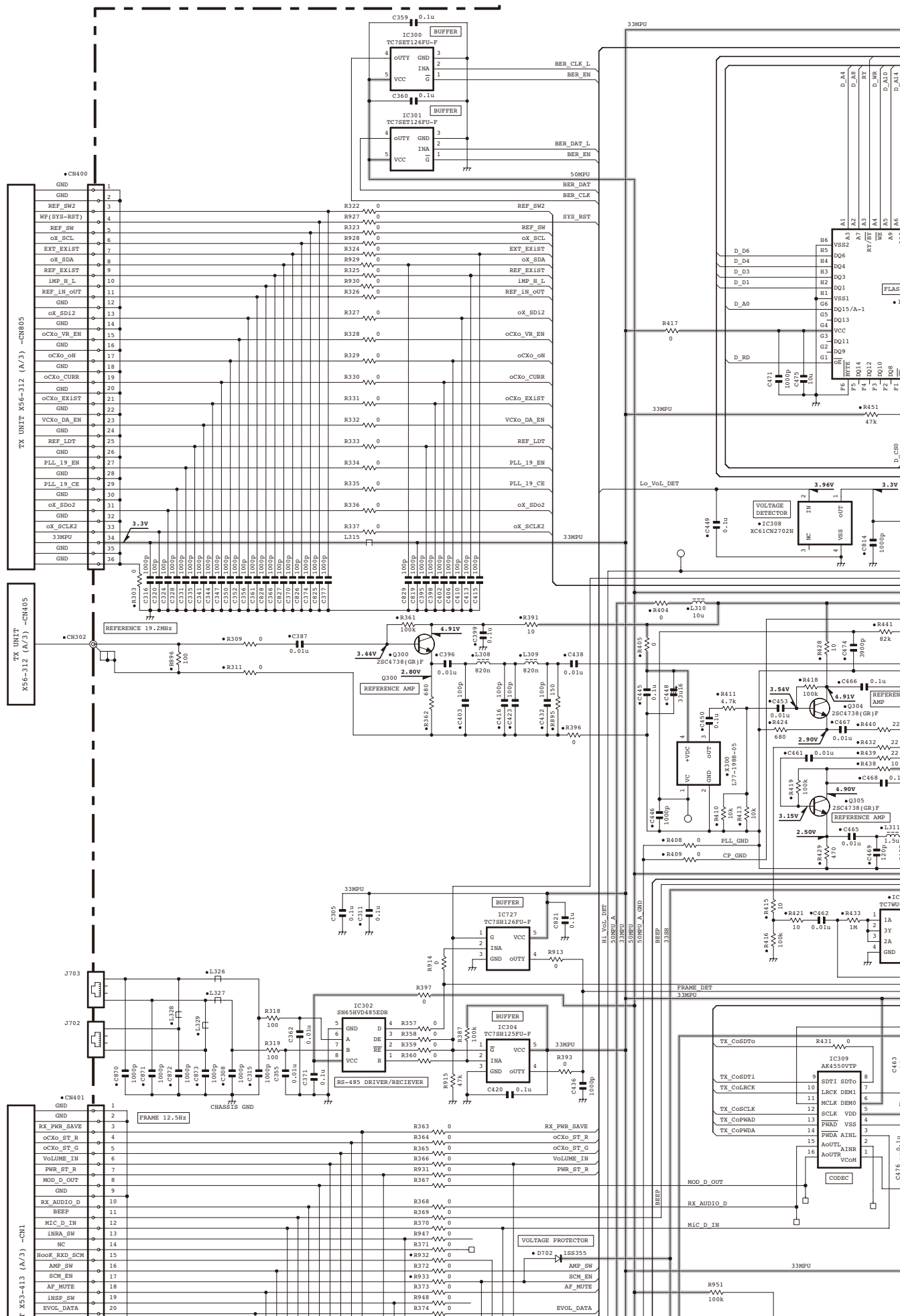


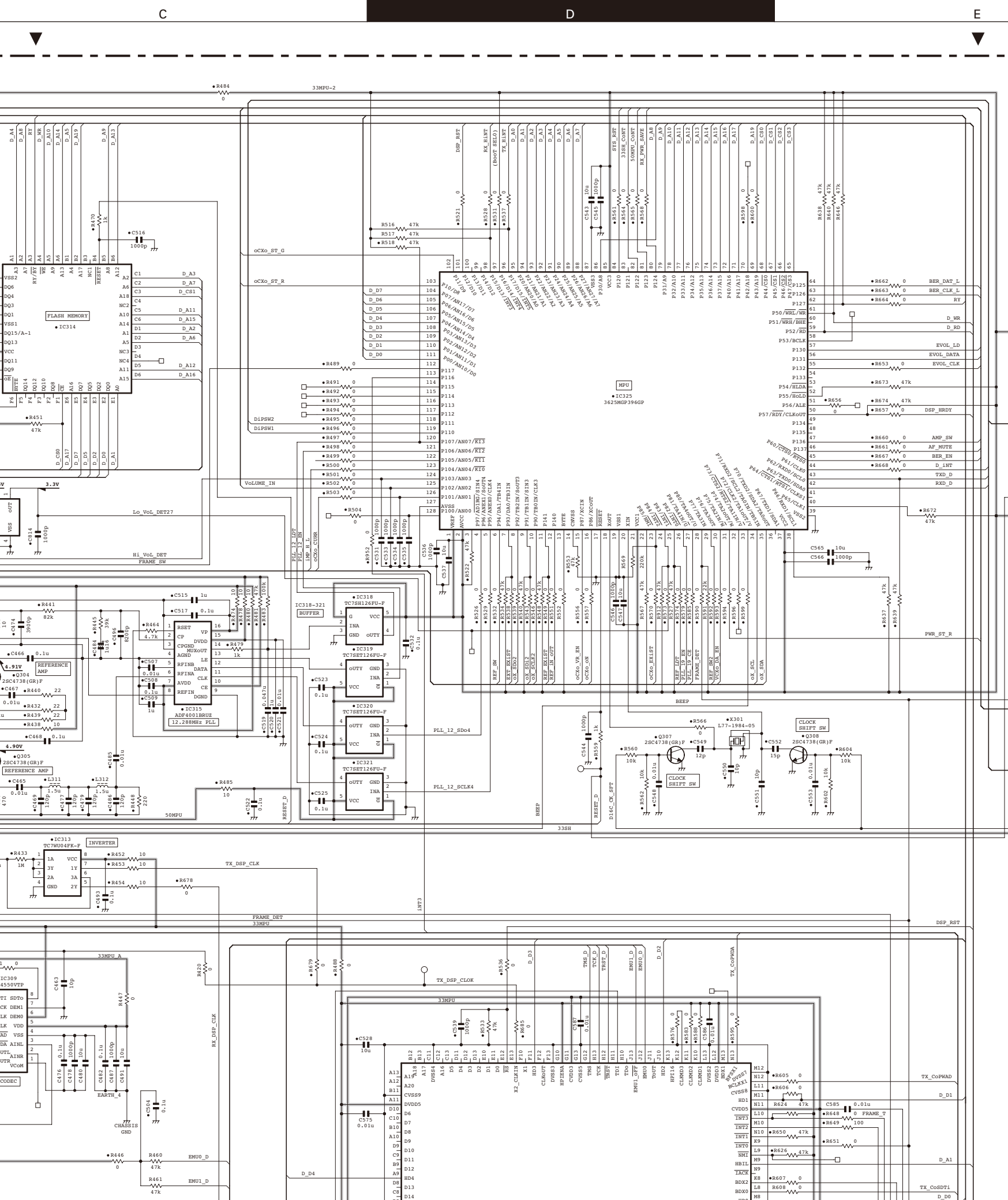
RX UNIT
X55-310 -CN42

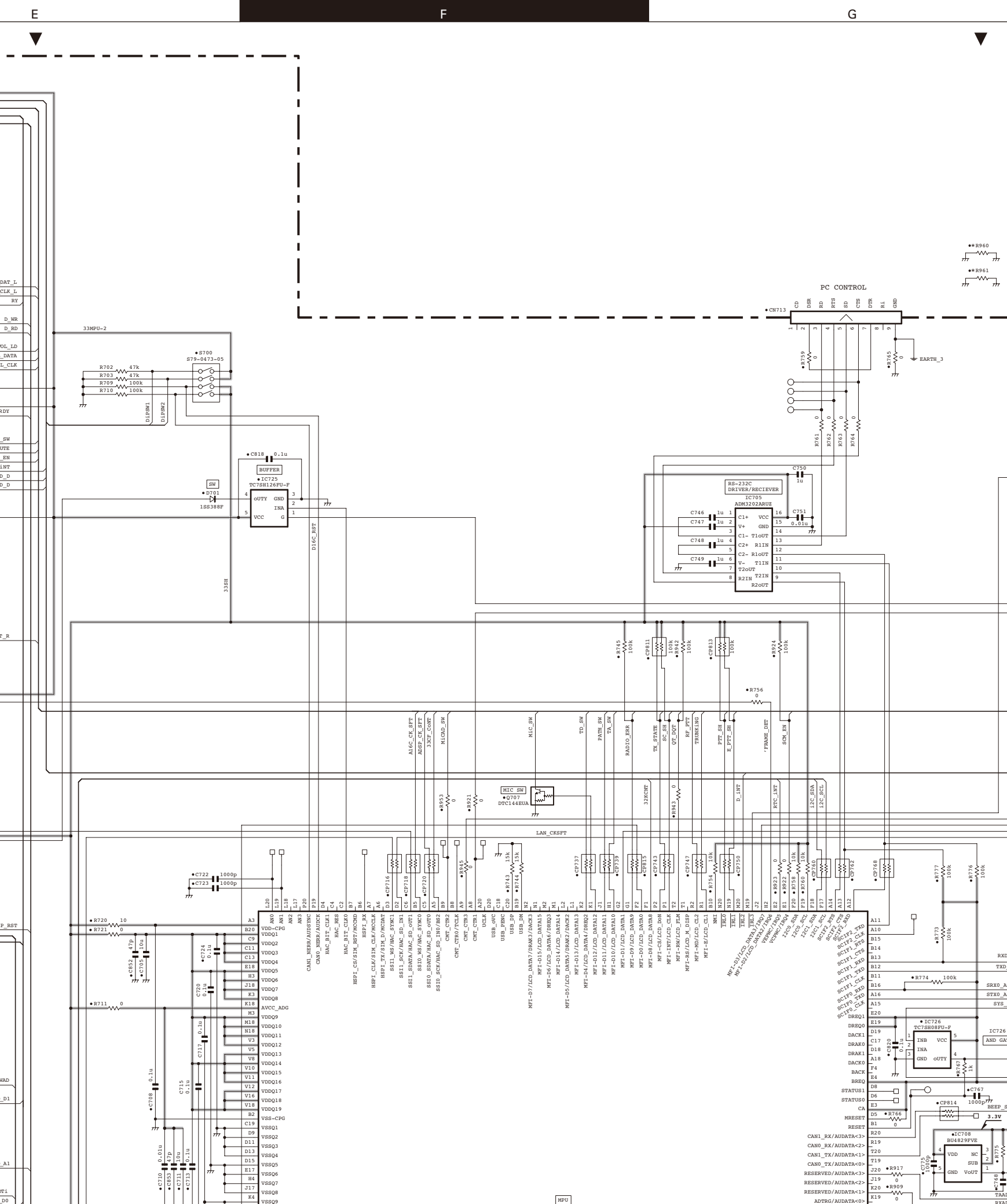
TEST/SPKR (PANEL VIEW)

CONTROL I/O (PANEL VIEW)









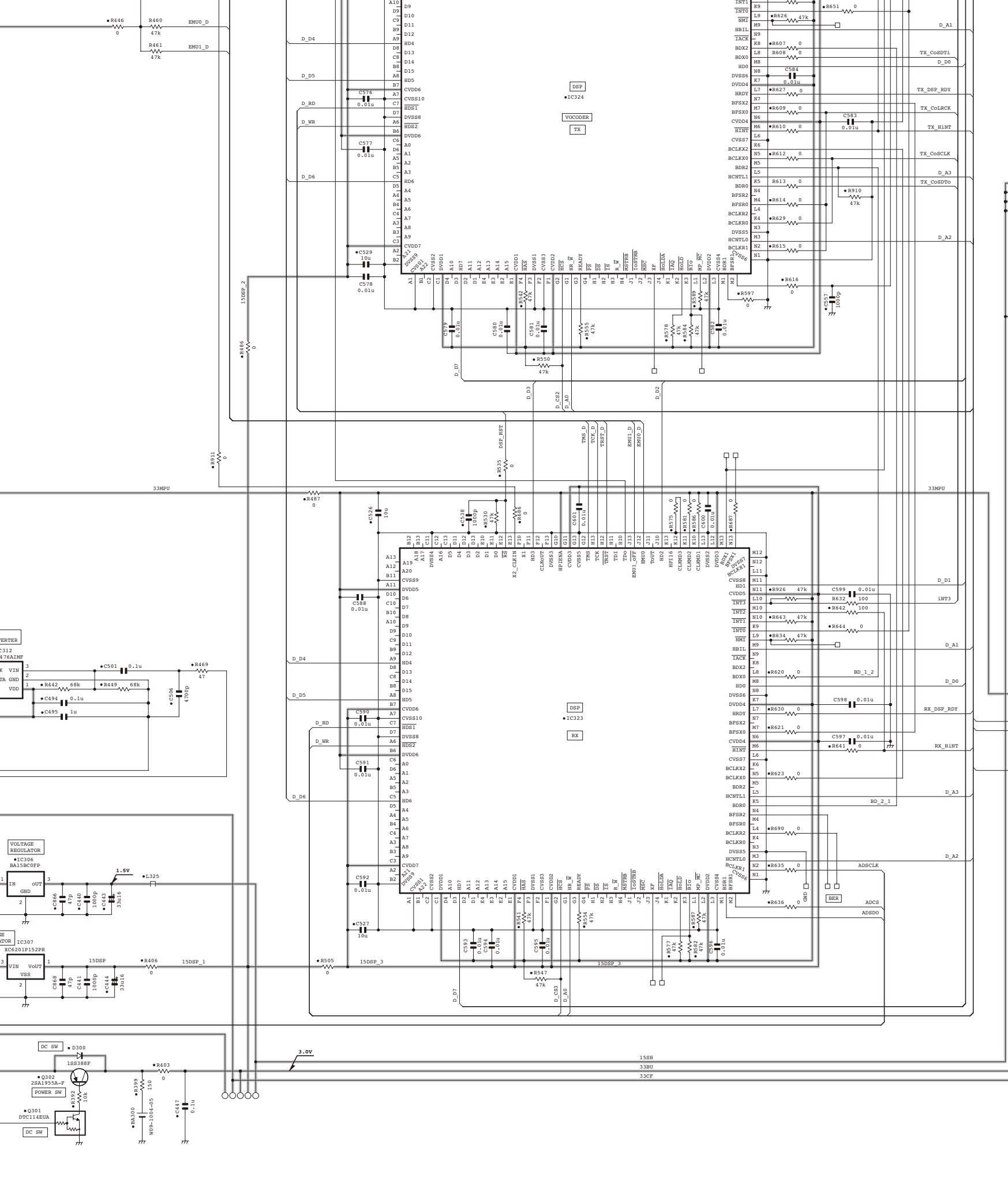
●*R960

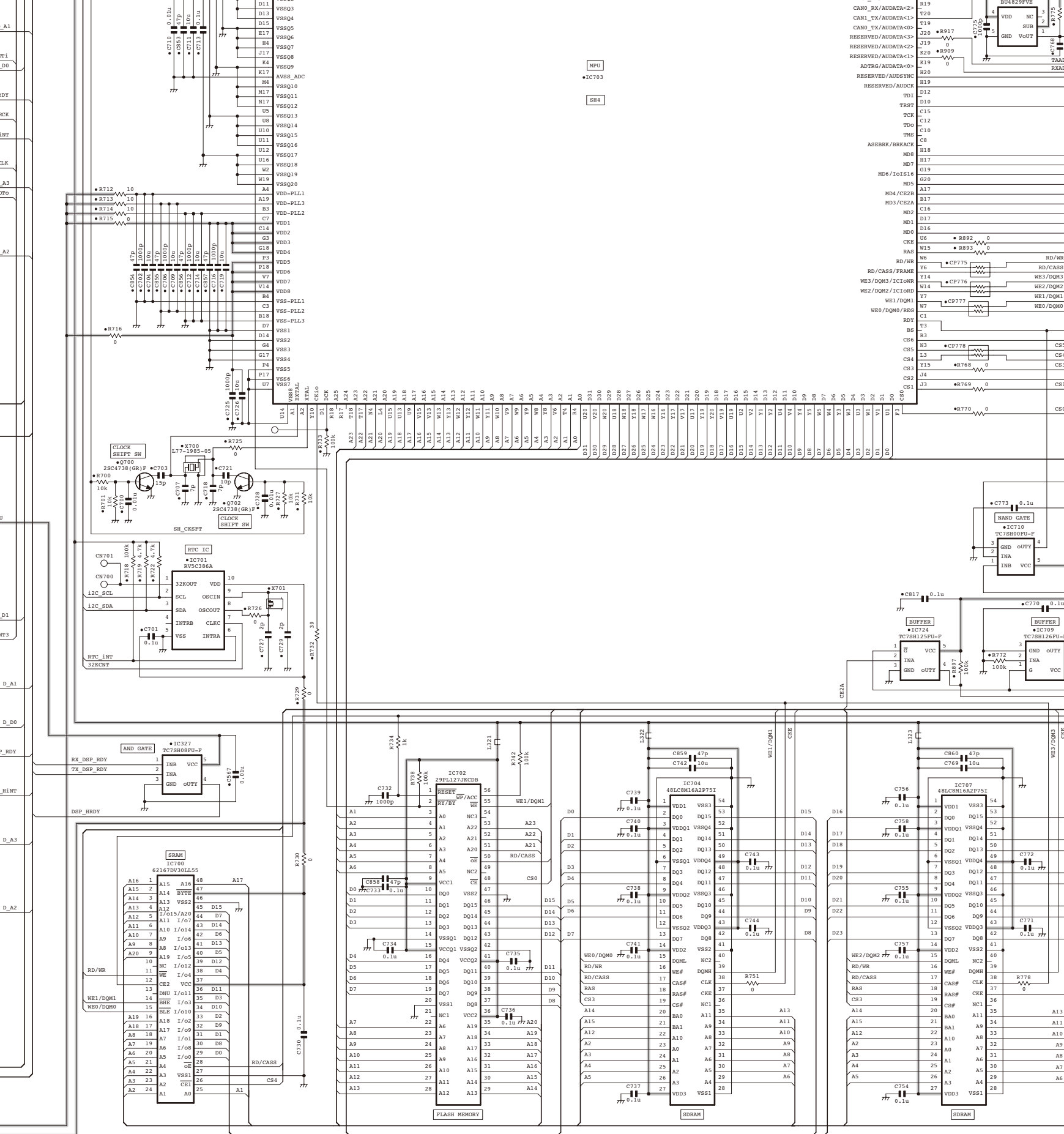


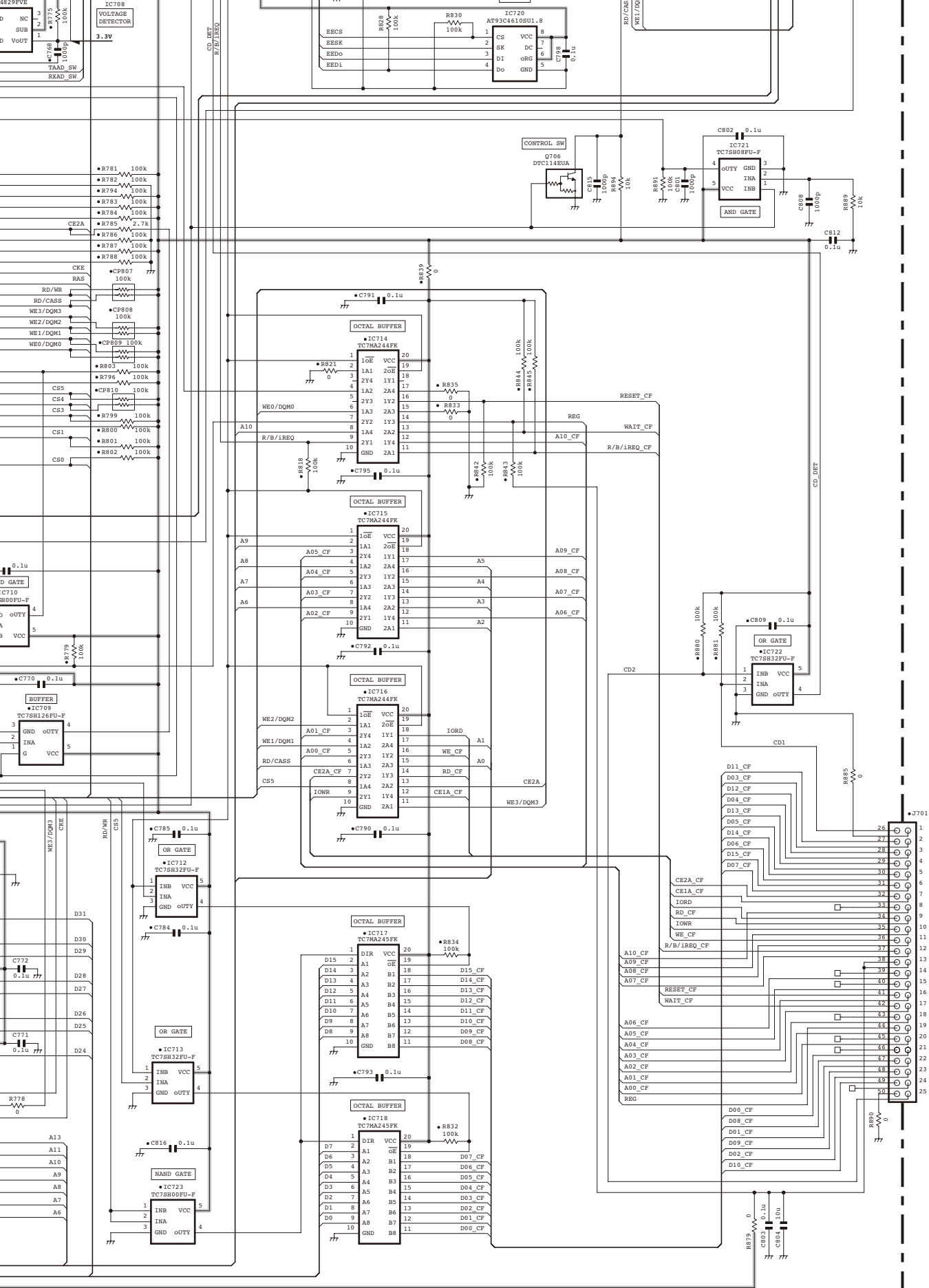
●*R961











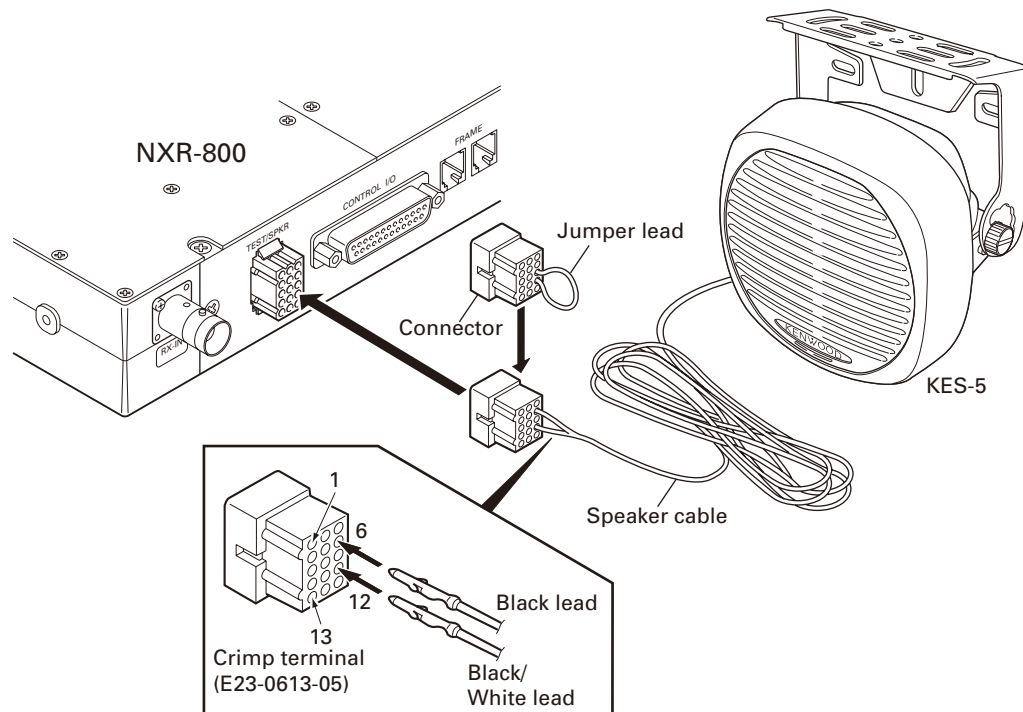
OPTIONAL ACCESSORIES: KES-5 (EXTERNAL SPEAKER)

When Using an External Speaker

1. Make sure the unit's power is tuned off.
2. When using the external speaker, remove the jumper lead from the connector, and attach the speaker cable.
3. When not using the external speaker, replace the jumper lead and insert the connector into the speaker jack (pin9 and 12).

Specifications

Maximum input power	40W
Impedance	4Ω
Dimensions (W x H x D) projection not included	129 x 129 x 77 mm (5-1/16 x 5-1/16 x 3 inches)
Weight	820g / 1.81 lbs



SPECIFICATIONS

General

Frequency Range.....	450~480MHz (K)
..... TX; 477~512MHz, RX; 480~512MHz (K2)	
Channel Spacing	
Wide.....	25kHz
Narrow	12.5kHz
VN	6.25kHz
PLL Channel Step.....	3.125/ 5/ 6.25kHz
Frequency Stability	±1.5ppm
with OCXO unit.....	±0.5ppm
Operating Voltage.....	10.8~15.9V DC
Operating Temperature Range	
.....	-22°F~+140°F (-30°C~+60°C)
Antenna Impedance	50Ω
Dimensions (W x H x D) (Projections not included)	
.....	19.02" x 1.73" x 13.03" (483 x 44 x 331 mm)
Weight.....	11 lbs (5kg)

Transmitter

RF Power Output.....	5~0.5W
Spurious & Harmonics.....	73dB
FM Hum & Noise	
Wide.....	55dB
Narrow	50dB
Modulation	
Wide.....	16K0F3E
Narrow	11K0F3E, 8K30F1E, 8K30F1D, 8K30F7W
VN	4K00F1E, 4K00F1D, 4K00F7W, 4K00F2D

Receiver

Sensitivity	
Digital@6.25kHz (3% BER)	0.33μV
Digital@12.5kHz (3% BER)	0.27μV
Analog (12dB SINAD).....	0.30μV
Selectivity	
Analog Wide *1 (±25kHz)	87dB
Analog Narrow *1 (±12.5kHz).....	81dB
Intermodulation Distortion	
Analog Wide (±50kHz/±100kHz).....	85dB
Analog Narrow (±50kHz/±100kHz)	85dB
Spurious & Image.....	100dB
Audio Distortion (at 0.3W)	Less than 2%
Audio Output (EXT. SP).....	3W

*1: Analog measurements made per TIA/EIA 603.

Without *1: Analog measurements made per TIA/EIA 603A.

KENWOOD reserves the right to change specifications without prior notice or obligation.

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Kenwood Electronics Deutschland GmbH

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Leuvensesteenweg 248 J, 1800 Vilvoorde, Belgium

Kenwood Electronics France S.A.

L'Etoile Paris Nord 2, 50 Allée des Impressionnistes, Bp 58416 Villepinte, 95944 Roissy Ch De Gaulle Cedex

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Via G. Sirtori, 7/9 20129 Milano, Italy

Kenwood Ibérica, S.A.

Bolivia, 239-08020 Barcelona, Spain

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(A.C.N. 001 499 074)

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Kenwood Electronics (Hong Kong) Ltd.

Unit 3712-3724, Level 37, Tower one Metroplaza, 223 Hing Fong Road, Kwai Fong, N.T., Hong Kong

Kenwood Electronics Singapore Pte Ltd

1 Ang Mo Kio Street 63, Singapore 569110



PC BOARD NXR-800

FINAL UNIT (X45-3820-XX) -10 : K -11 : K2
Component side view (J79-0149-09)

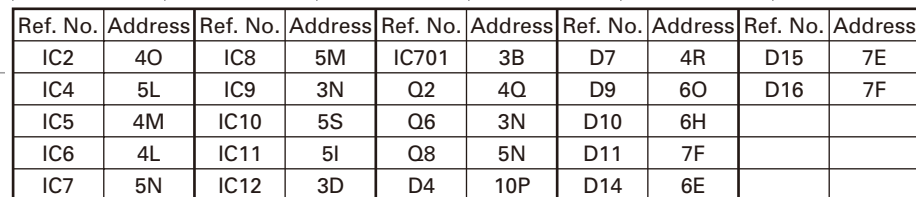


Diagram illustrating the structure of a four-layer laminate:

- Layer 1 (top layer, shaded pink)
- Layer 2
- Layer 3
- Layer 4 (bottom layer)

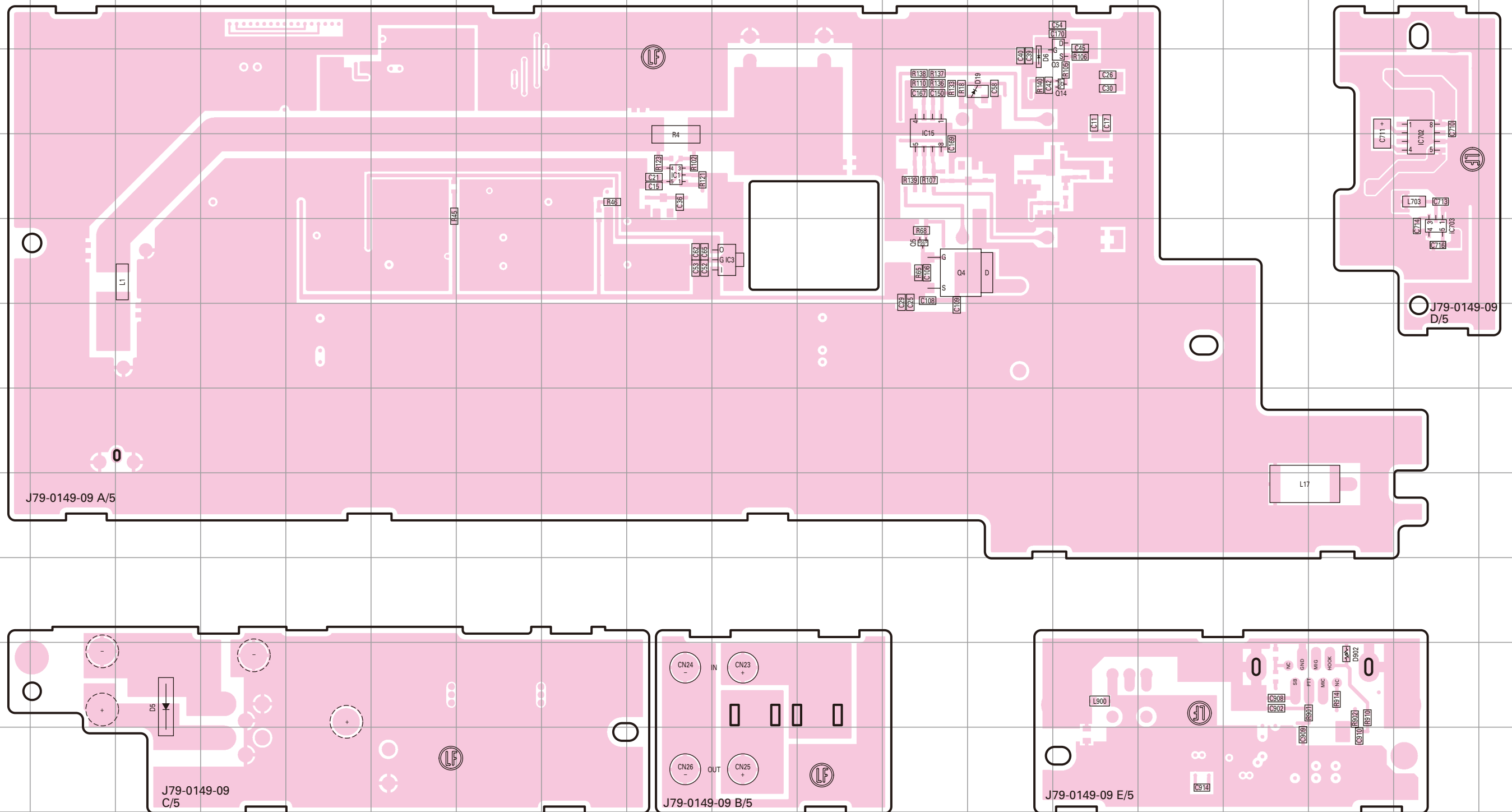
The top surface is labeled "Component side" and the bottom surface is labeled "Foil side".

NXR-800 PC BOARD

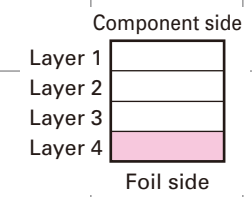
PC BOARD NXR-800

FINAL UNIT (X45-3820-XX) -10 : K -11 : K2
Foil side view (J79-0149-09)

FINAL UNIT (X45-3820-XX) -10 : K -11 : K2
Foil side view (J79-0149-09)

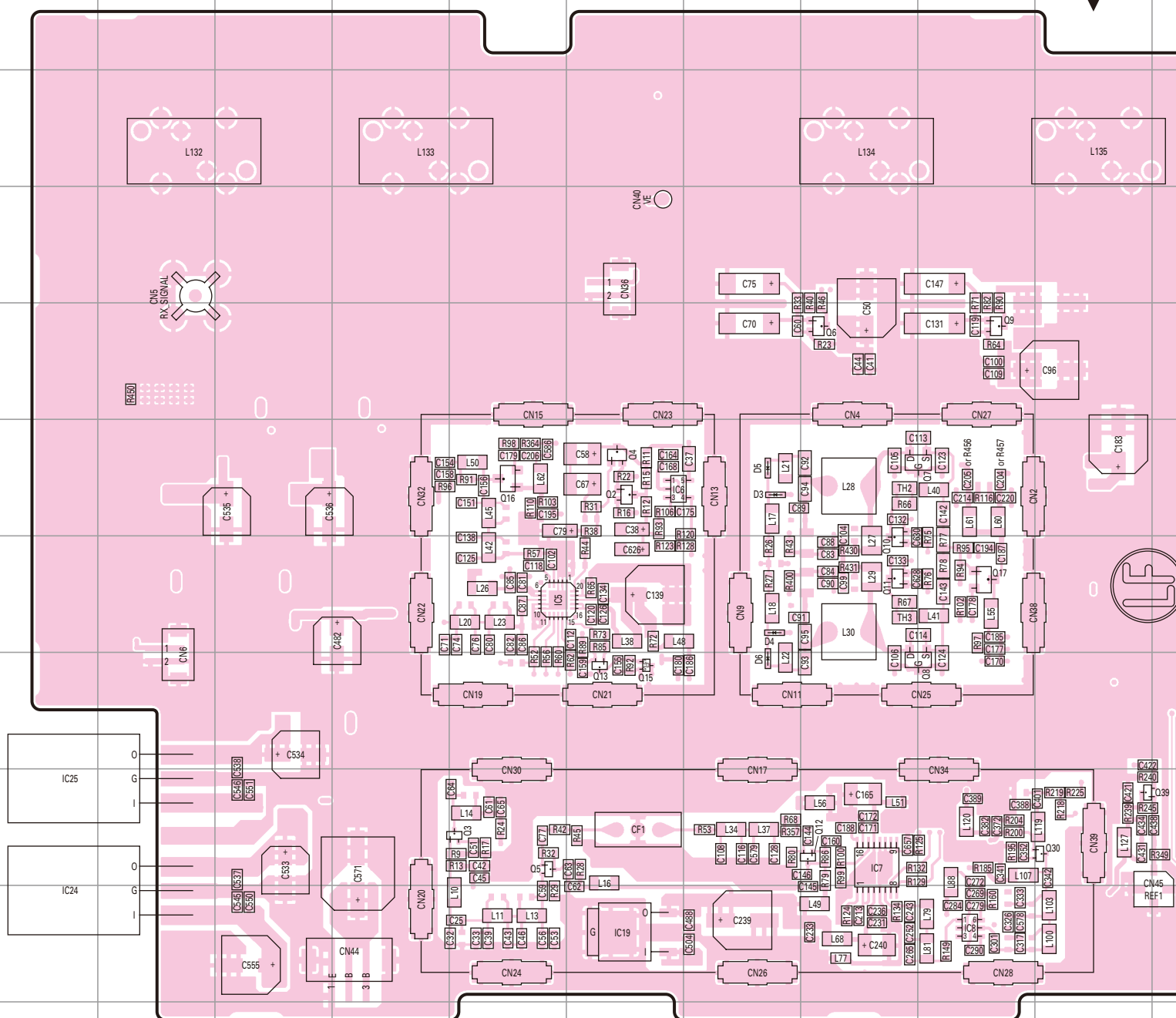


Ref. No.	Address	Ref. No.	Address	Ref. No.	Address
IC1	4I	Q3	3N	D6	3M
IC3	5J	Q4	5L	D19	3M
IC15	3L	Q5	5L	D902	10Q
IC702	4R	Q14	3N		
IC703	5R	D5	10C		



NXR-800 PC BOARD

RX UNIT (X55-3100-XX) -10 : K -11 : K2
Component side view (J79-0151-09)



PC BOARD NXR-800

RX UNIT (X55-3100-XX) -10 : K -11 : K2
Component side view (J79-0151-09)



Ref. No.	Address	Ref. No.	Address	Ref. No.	Address	Ref. No.	Address	Ref. No.	Address	Ref. No.	Address	Ref. No.	Address	Ref. No.	Address
IC5	7E	IC15	5K	IC30	8M	Q7	6I	Q17	7I	Q35	6N	D5	6G	D18	8M
IC6	6F	IC19	10F	IC31	9M	Q8	8I	Q22	6O	Q37	7N	D6	8G	D19	6L
IC7	9H	IC20	8K	IC32	8L	Q9	5I	Q24	10O	Q38	6P	D11	8N	D20	6L
IC8	10I	IC22	10Q	IC35	8M	Q10	7H	Q27	9P	Q39	9J	D12	9N	D21	9L
IC10	9Q	IC23	9K	Q2	6F	Q11	7H	Q28	6Q	Q40	7M	D13	7R		
IC11	6O	IC24	10A	Q3	9E	Q12	9H	Q29	5S	Q51	10M	D14	6R		
IC12	7M	IC25	9A	Q4	6F	Q13	8F	Q30	9J	Q56	10L	D15	6M		
IC13	9S	IC28	8N	Q5	9E	Q15	8F	Q33	9P	D3	6G	D16	6M		
IC14	9R	IC29	8L	Q6	5H	Q16	6E	Q34	7N	D4	7G	D17	8M		

Component side

Layer 1

Layer 2

Layer 3

Layer 4

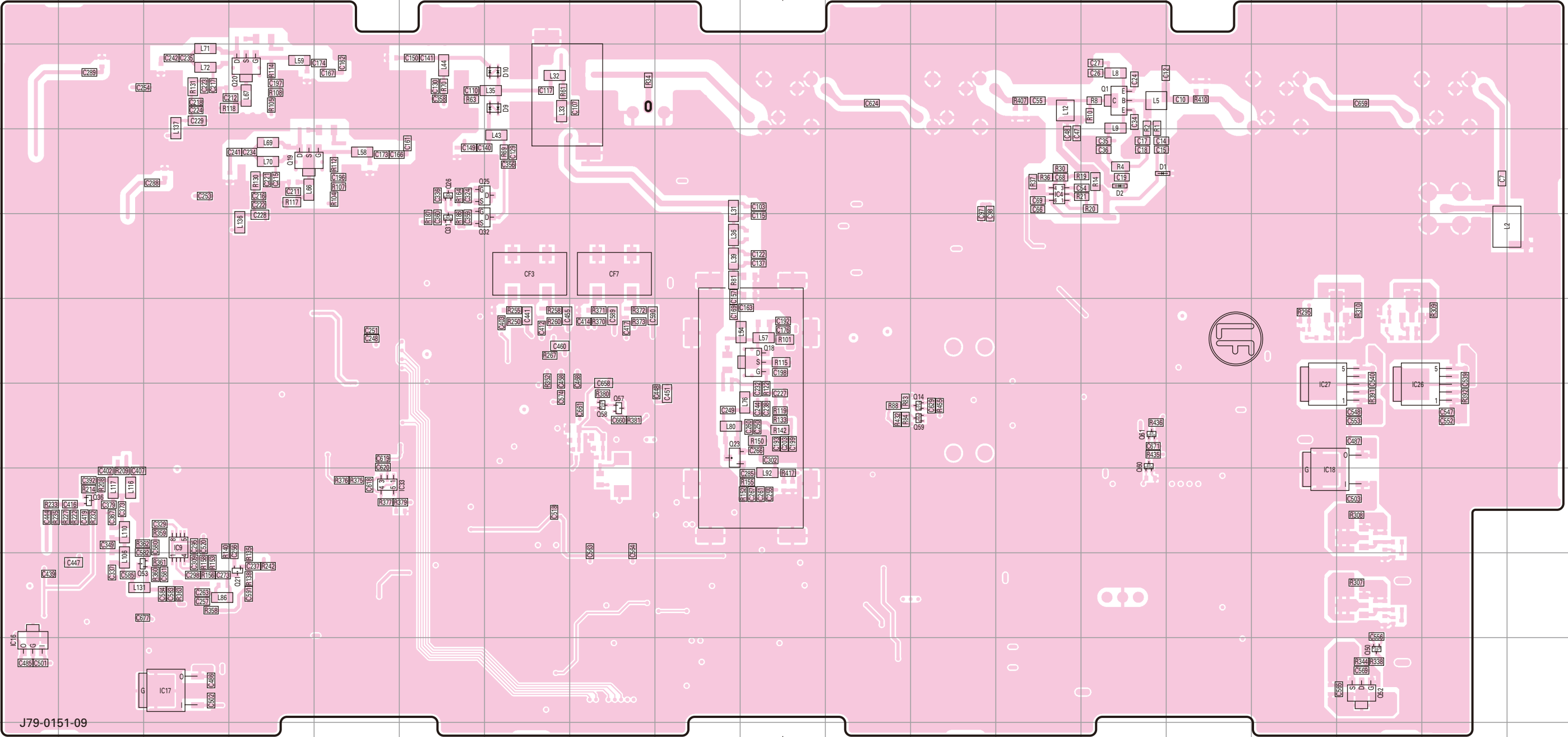
Foil side

NXR-800 PC BOARD

RX UNIT (X55-3100-XX) -10 : K -11 : K2
Foil side view (J79-0151-09)

PC BOARD NXR-800

RX UNIT (X55-3100-XX) -10 : K -11 : K2
Foil side view (J79-0151-09)



Ref. No.	Address	Ref. No.	Address	Ref. No.	Address	Ref. No.	Address
IC4	4M	Q14	7L	Q32	5G	Q61	7N
IC9	8C	Q18	6J	Q36	8B	D1	4N
IC16	10A	Q19	4D	Q50	10Q	D2	4N
IC17	10C	Q20	3D	Q52	10Q	D9	3G
IC18	8P	Q21	9D	Q53	9B	D10	3G
IC26	7Q	Q23	7I	Q57	7H		
IC27	7P	Q25	4G	Q58	7H		
IC33	8E	Q26	4F	Q59	7L		
Q1	3N	Q31	5F	Q60	7N		

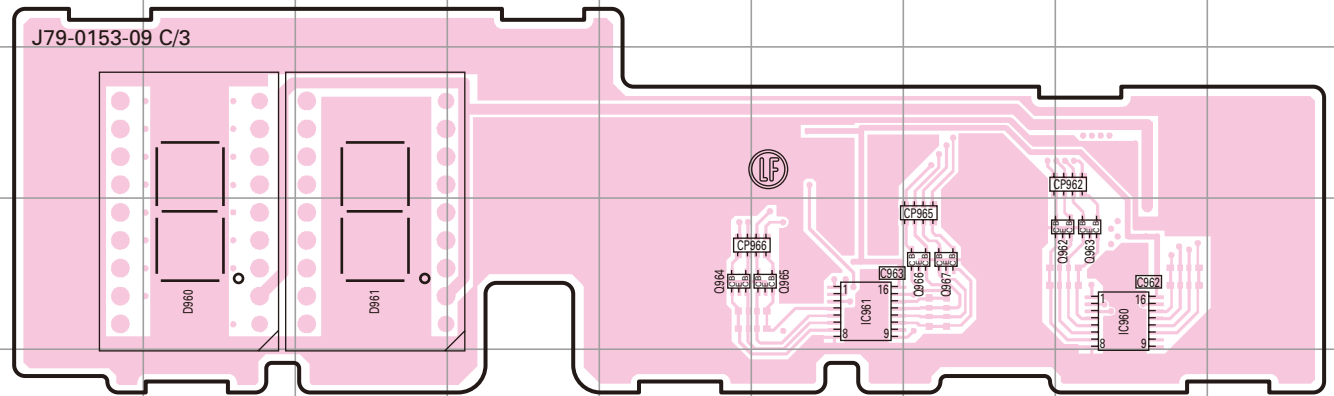
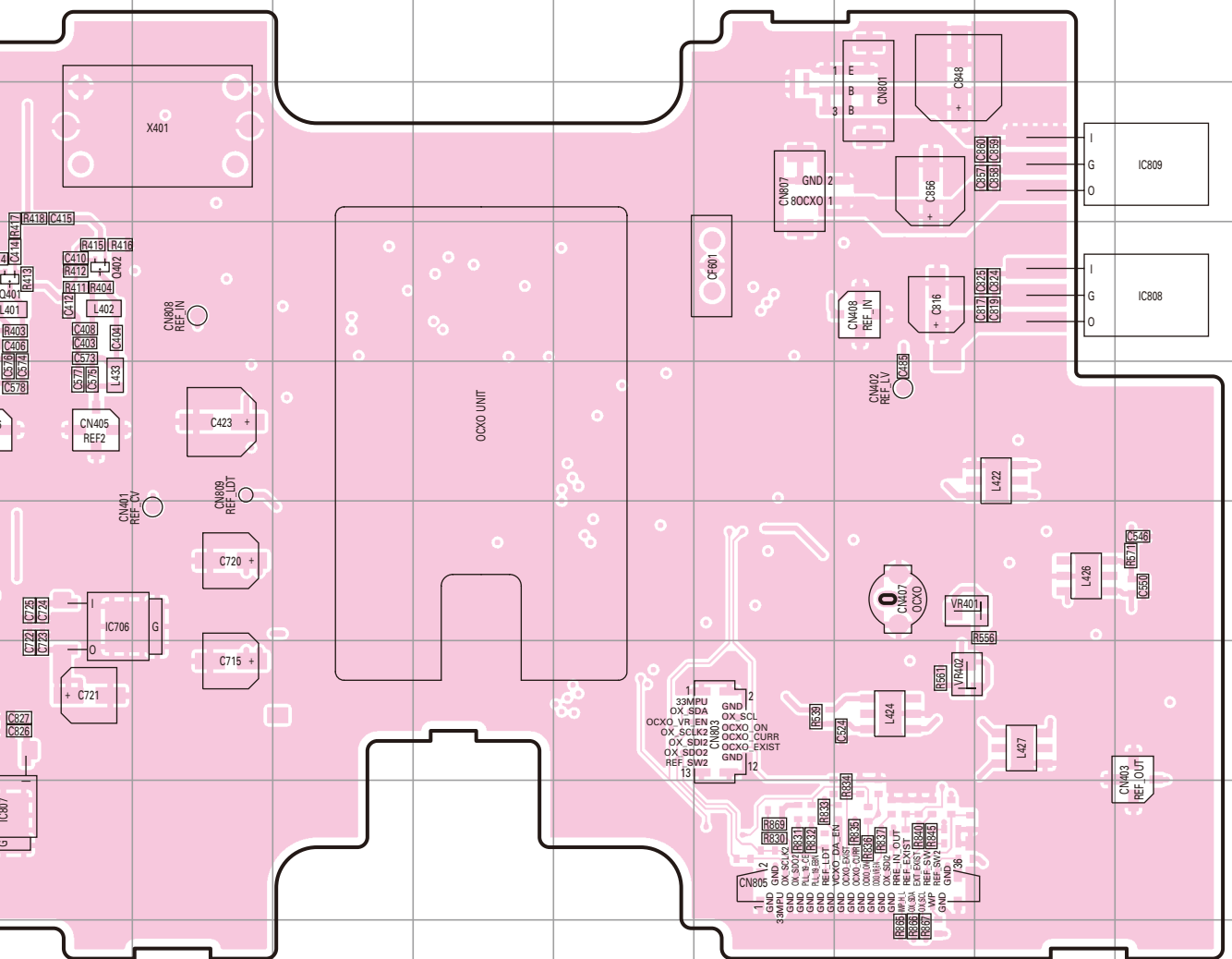
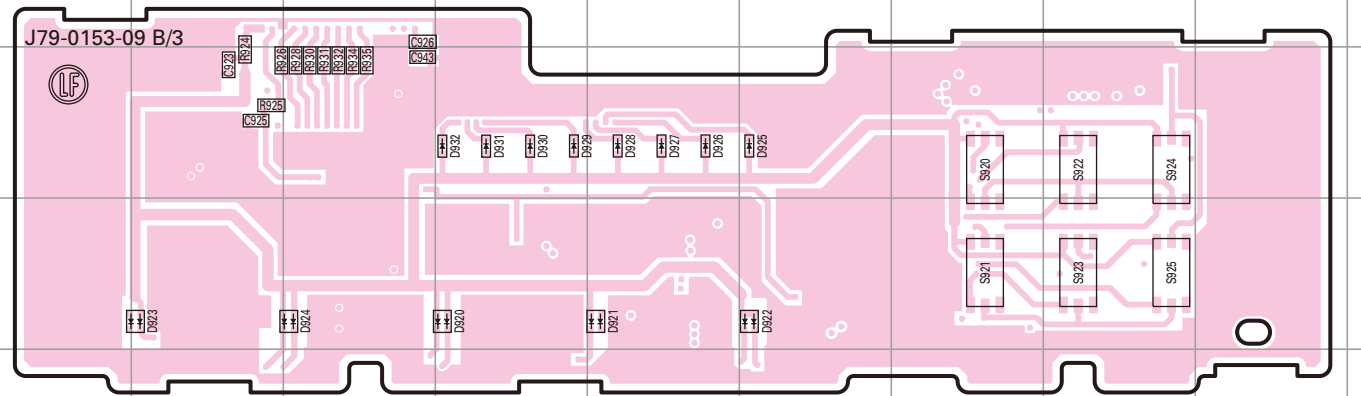
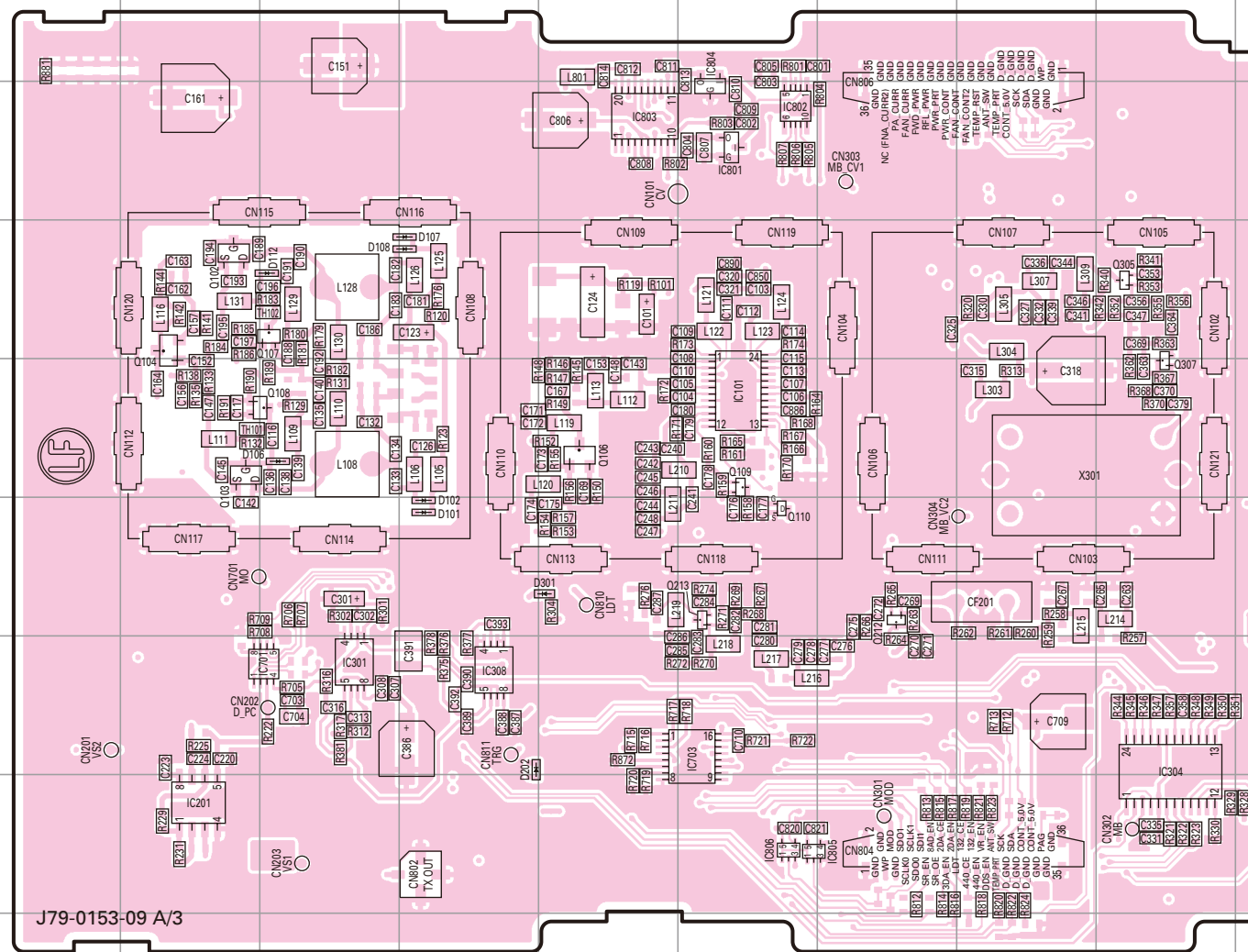
Component side

Layer 1	
Layer 2	
Layer 3	
Layer 4	

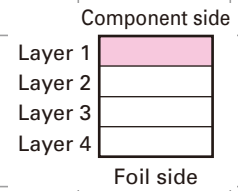
Foil side

NXR-800 PC BOARD

TX UNIT (X56-3120-XX) -10 : K -11 : K2
Component side view (J79-0153-09)



Ref. No.	Address	Ref. No.	Address	Ref. No.	Address	Ref. No.	Address	Ref. No.	Address	Ref. No.	Address	Ref. No.	Address
IC101	5F	IC706	6K	IC807	8K	Q104	4B	Q213	6F	Q964	11O	D107	4D
IC201	8B	IC801	3F	IC808	4S	Q106	5E	Q305	4I	Q965	11P	D108	4D
IC301	7C	IC802	3F	IC809	3S	Q107	4C	Q307	5I	Q966	11Q	D112	4C
IC304	7I	IC803	3E	IC901	11R	Q108	5C	Q401	4K	Q967	11Q	D202	7D
IC308	7D	IC804	3F	IC902	11P	Q109	5F	Q402	4K	D101	6D	D301	6E
IC701	7C	IC805	8F	Q102	4B	Q110	6F	Q962	11R	D102	6D	D920	11D
IC703	7F	IC806	8F	Q103	5B	Q212	6G	Q963	11R	D106	5C	D921	11E

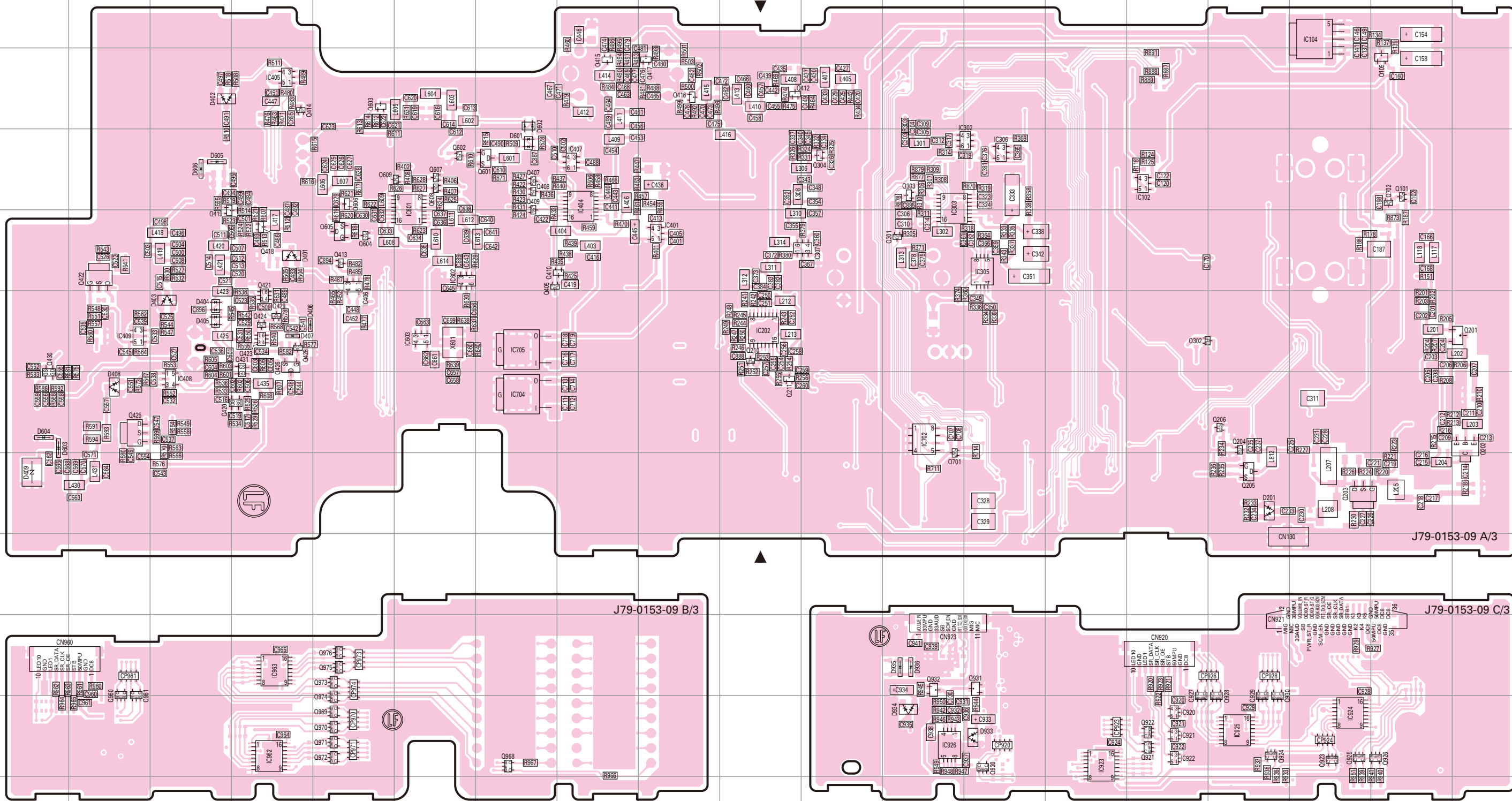


NXR-800 PC BOARD

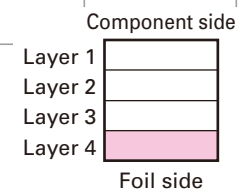
TX UNIT (X56-3120-XX) -10 : K -11 : K2
Foil side view (J79-0153-09)

PC BOARD NXR-800

TX UNIT (X56-3120-XX) -10 : K -11 : K2
Foil side view (J79-0153-09)



Ref. No.	Address	Ref. No.	Address	Ref. No.	Address	Ref. No.	Address	Ref. No.	Address	Ref. No.	Address	Ref. No.	Address	Ref. No.	Address	Ref. No.	Address	Ref. No.	Address	Ref. No.	Address
IC102	4O	IC404	4H	IC702	7L	IC926	11L	Q205	8P	Q407	4G	Q417	3I	Q426	6D	Q605	5E	Q922	11O	Q931	10M
IC104	2Q	IC405	3D	IC704	7G	IC962	11D	Q206	7P	Q408	4G	Q418	5D	Q428	6D	Q606	4E	Q923	11Q	Q932	10L
IC202	6J	IC406	5E	IC705	6G	IC963	10D	Q210	6J	Q409	4G	Q419	5C	Q429	6D	Q607	4F	Q924	11P	Q975	10E
IC302	4M	IC407	4H	IC920	11O	Q101	4R	Q211	7J	Q410	5H	Q420	7D	Q430	6A	Q608	4F	Q925	11Q	Q976	10E
IC303	4L	IC408	7C	IC921	11O	Q105	3R	Q301	5L	Q412	3J	Q421	6D	Q431	6D	Q609	4F	Q926	11R	D201	8P
IC305	5M	IC409	6B	IC922	11O	Q201	6S	Q302	6O	Q413	5E	Q422	5B	Q601	4G	Q701	8L	Q927	11O	D401	5D
IC306	4M	IC601	4F	IC923	11N	Q202	7S	Q303	4L	Q414	3D	Q423	6D	Q602	4F	Q702	4R	Q928	11P	D402	3C
IC307	5K	IC602	5F	IC924	11Q	Q203	8Q	Q304	4K	Q415	3H	Q424	6D	Q603	3E	Q920	11M	Q929	11P	D403	6C
IC401	5I	IC603	6F	IC925	11P	Q204	7P	Q405	5G	Q416	3I	Q425	7B	Q604	5E	Q921	11O	Q930	11P	D404	6C

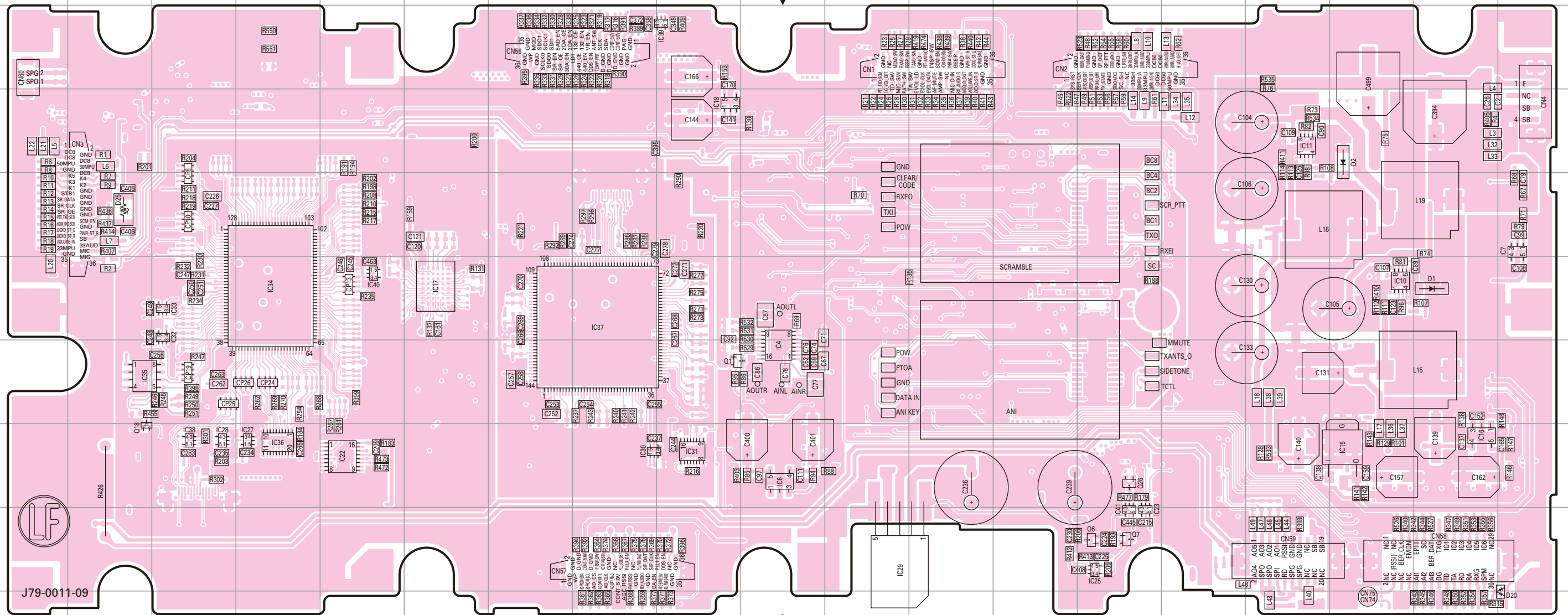


NXR-800 PC BOARD

PC BOARD NXR-800

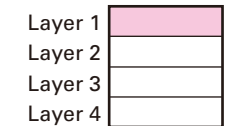
CONTROL UNIT (X53-4130-XX) -10 : K,K2 -11 : For service
Component side view (J79-0011-09)

CONTROL UNIT (X53-4130-XX) -10 : K,K2 -11 : For service
Component side view (J79-0011-09)



Ref. No.	Address	Ref. No.	Address	Ref. No.	Address	Ref. No.	Address
IC4	7J	IC22	8E	IC33	6C	Q1	7I
IC6	8J	IC23	9N	IC34	6D	Q6	9N
IC7	5S	IC25	9N	IC35	7B	Q7	9N
IC10	6Q	IC27	8D	IC36	8D	Q18	8B
IC11	4P	IC28	8C	IC37	6H	Q26	8N
IC15	8Q	IC29	9K	IC38	8C	D1	6R
IC16	8R	IC30	8H	IC39	3I	D2	4Q
IC17	6F	IC31	8I	IC40	6E	D20	10S
IC18	4I	IC32	6C	IC41	9N	D25	5B

Component side



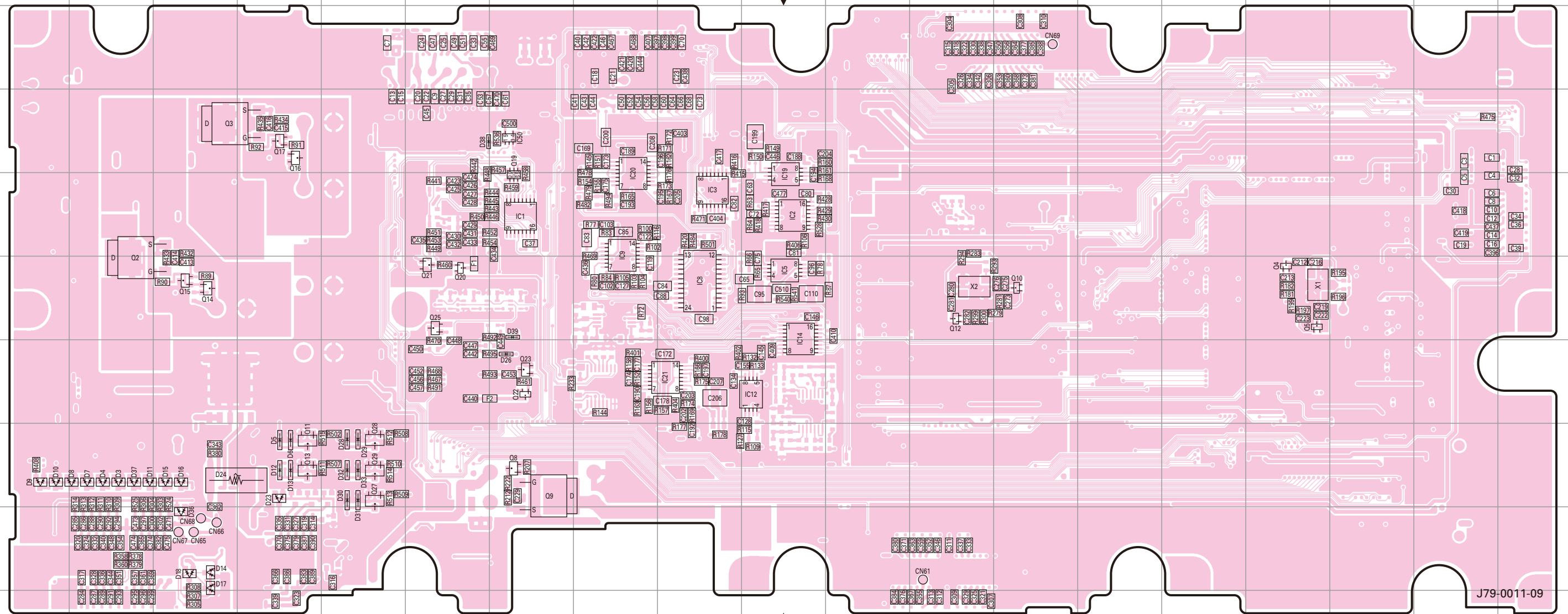
Foil side

NXR-800 PC BOARD

PC BOARD NXR-800

CONTROL UNIT (X53-4130-XX) -10 : K,K2 -11 : For service
Foil side view (J79-0011-09)

CONTROL UNIT (X53-4130-XX) -10 : K,K2 -11 : For service
Foil side view (J79-0011-09)

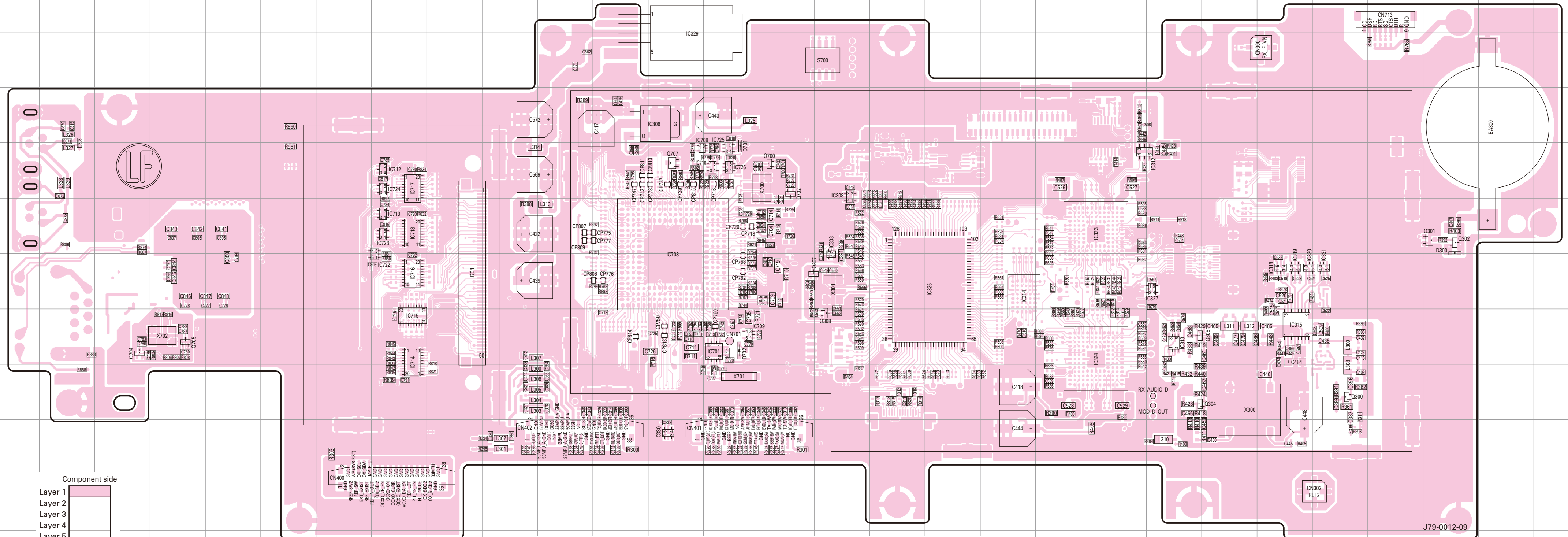


Ref. No.	Address	Ref. No.	Address	Ref. No.	Address	Ref. No.	Address	Ref. No.	Address
IC1	5G	Q3	4C	Q19	5G	D7	8B	D24	8C
IC2	5J	Q4	6P	Q20	6F	D8	8B	D26	7G
IC3	5I	Q5	6P	Q21	6F	D9	8A	D28	8E
IC5	6J	Q8	8G	Q22	7G	D10	8A	D29	8E
IC8	6I	Q9	8G	Q23	7G	D11	8B	D30	8E
IC9	5H	Q10	6M	Q25	6F	D12	8D	D31	8E
IC12	7J	Q11	8D	Q27	8E	D13	8D	D32	8E
IC14	6J	Q12	6L	Q28	8E	D14	9C	D33	8E
IC19	5J	Q13	8D	Q29	8E	D15	8C	D36	9C
IC20	5H	Q14	6C	D3	8B	D16	8C	D37	8B
IC21	7I	Q15	6C	D4	8B	D17	9C	D38	4F
IC50	4G	Q16	4D	D5	8D	D18	9C	D39	6G
Q2	6B	Q17	4D	D6	8D	D23	8D		

Component side
Layer 1
Layer 2
Layer 3
Layer 4
Foil side

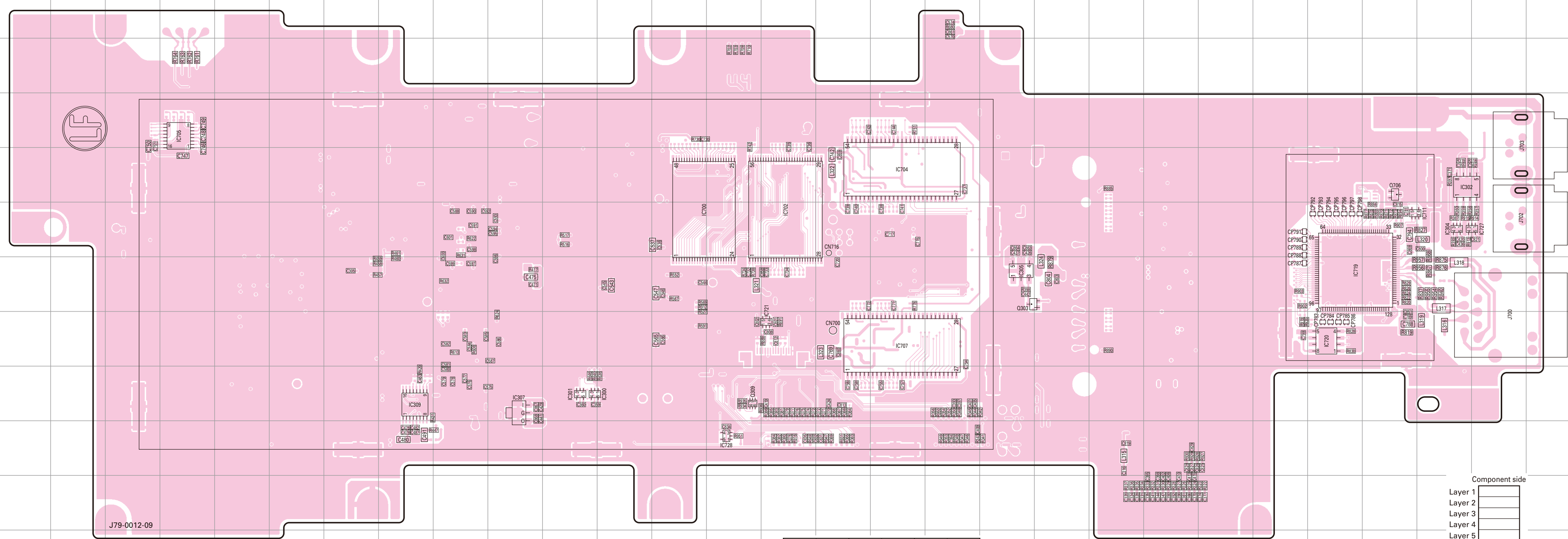
CONTROL UNIT (X53-4140-XX) -10 : K,K2 -11 : For service
Component side view (J79-0012-09)

CONTROL UNIT (X53-4140-XX) -10 : K,K2 -11 : For service
Component side view (J79-0012-09)



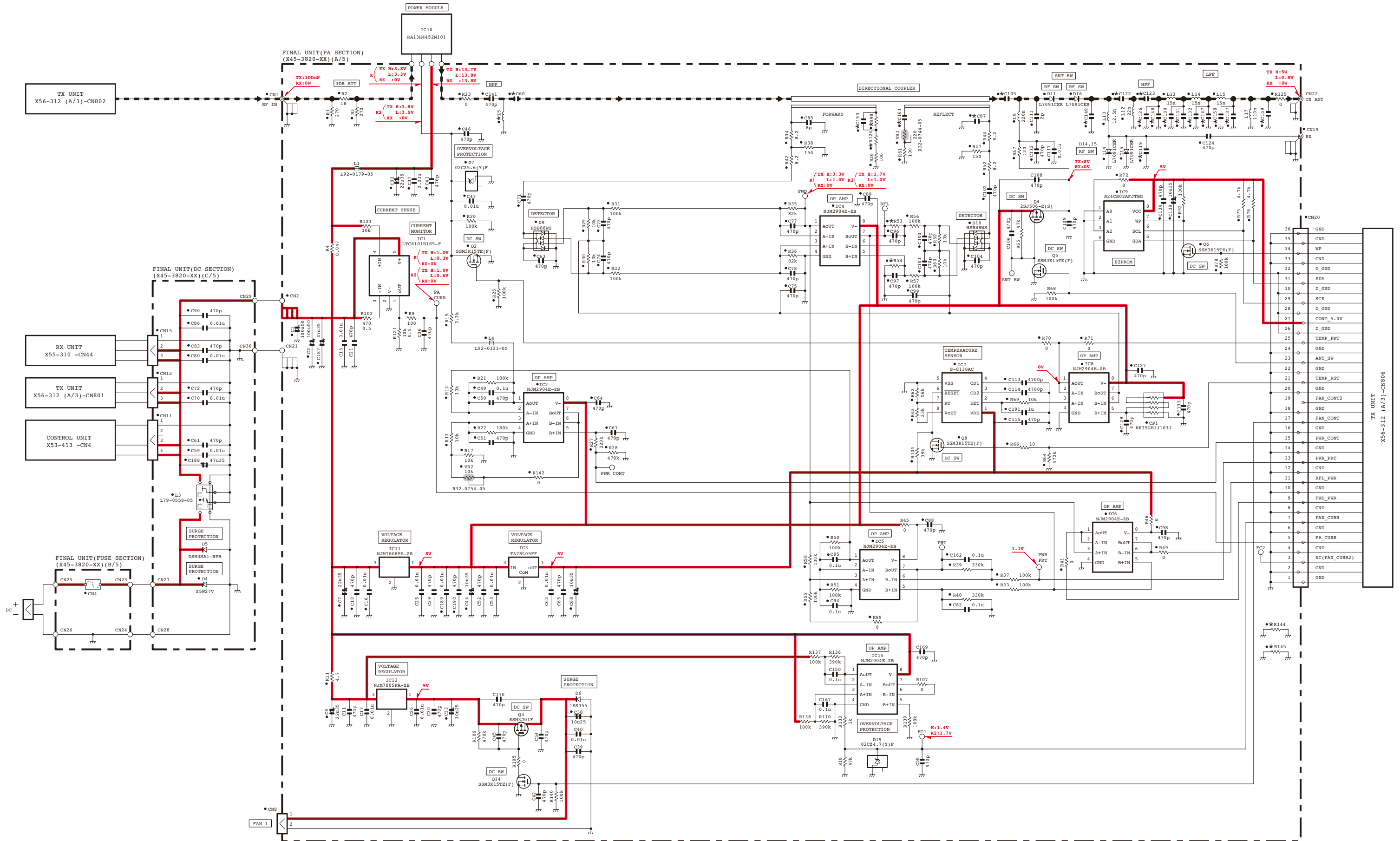
Ref. No.	Address	Ref. No.	Address	Ref. No.	Address	Ref. No.	Address	Ref. No.	Address	Ref. No.	Address	Ref. No.	Address
IC303	7P	IC318	7X	IC327	7V	IC710	5N	IC718	6H	Q301	6AA	Q702	5O
IC306	4M	IC319	7X	IC329	3M	IC712	5H	IC722	7H	Q302	6AA	Q704	8C
IC308	5P	IC320	7X	IC330	10M	IC713	6H	IC723	6H	Q304	9V	Q705	8D
IC312	5U	IC321	7Y	IC701	8N	IC714	8H	IC724	5H	Q305	8V	Q707	5M
IC313	8V	IC323	6U	IC703	7M	IC715	8H	IC725	5N	Q307	7O	D300	6AA
IC314	7S	IC324	8U	IC708	5M	IC716	7H	IC726	5N	Q308	8P	D701	5N
IC315	8X	IC325	7R	IC709	8N	IC717	5H	Q300	9Y	Q700	5O	D702	8N

**CONTROL UNIT (X53-4140-XX) -10 : K,K2 -11 : For service
Foil side view (J79-0012-09)**



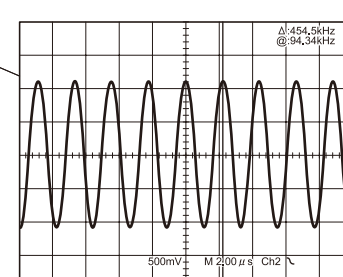
Ref. No.	Address	Ref. No.	Address	Ref. No.	Address
IC300	9K	IC700	6M	IC720	8Y
IC301	9K	IC702	6O	IC721	8O
IC302	5AA	IC704	5Q	IC727	6AB
IC304	6AA	IC705	4D	IC728	10N
IC305	7S	IC707	8Q	Q303	7S
IC307	9J	IC711	6Z	Q309	9N
IC309	9H	IC719	7Y	Q706	5Z

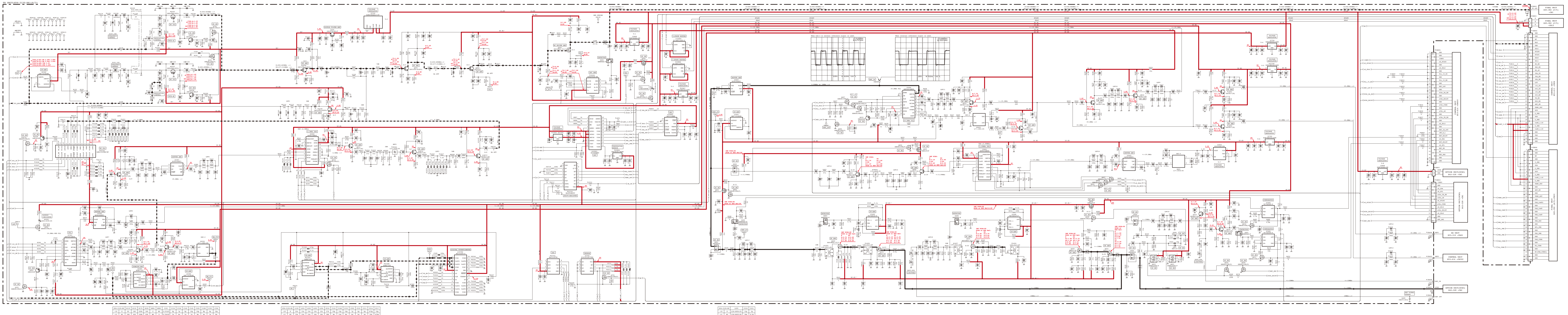
Diagram illustrating the structure of a 6-layer laminate. The layers are labeled Layer 1 through Layer 6, stacked vertically. The top surface is labeled "Component side" and the bottom surface is labeled "Foil side". Layer 6 is shaded pink.



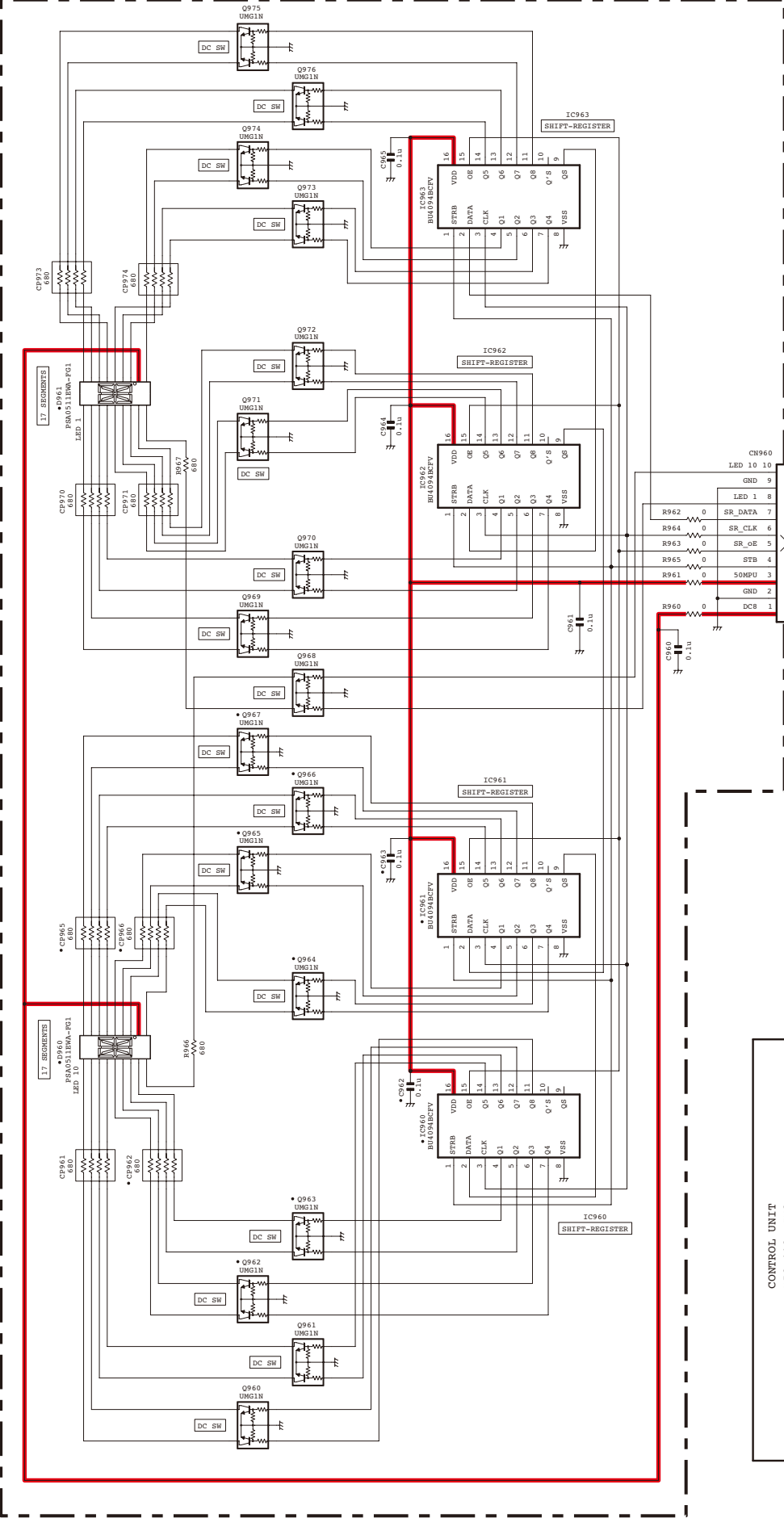
X45-3820-XX		L5	C60
-10	K	L34-4518-05	100p
-11	K2	NO	470p

X45-3820-XX	R53	R54	R98	R124	44	R145	C87	C105	C119	C122	C12	C126	C130	C131	C132	C137	C147	C148	C149	C158	C159	C161	C193	
-10	K	150K	150k	0	22	0	NO	12	470p	4p	150p	33p	4p	NO	7p	NO	7p	NO	7p	2p	2p	3p	22p	10p
-11	K2	100K	100k	NO	8.2	NO	0	8p	47p	5p	100p	33p	NO	7p	NO	6p	4p	NO	3p	6p	NO	NO	1000p	100p

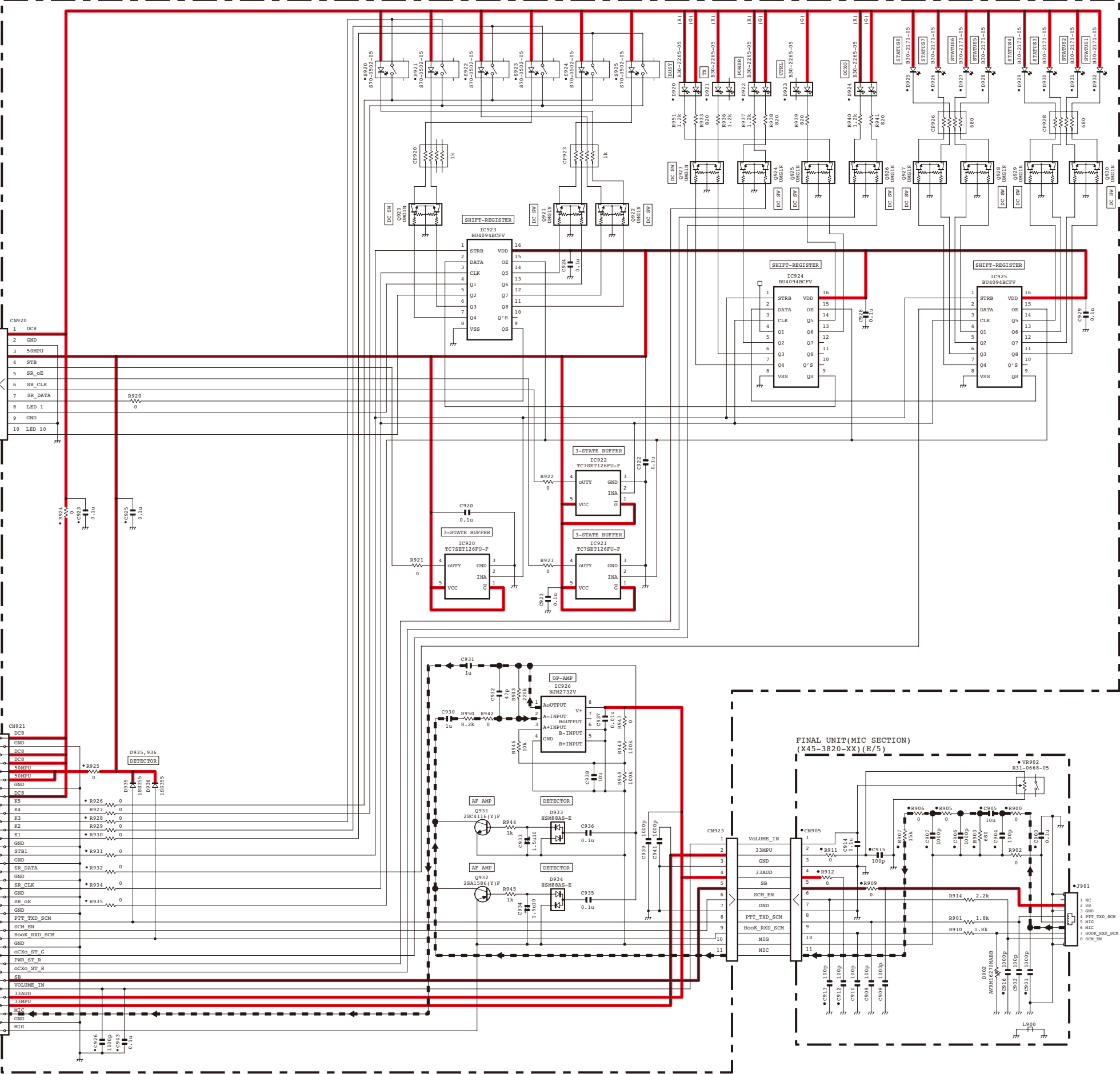




TX UNIT (17SEG)
(X56-3120-XX)



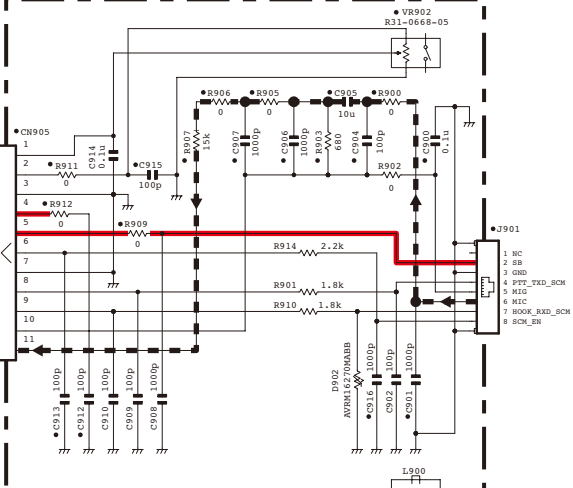
TX UNIT (LED)
(X56-3120-XX)

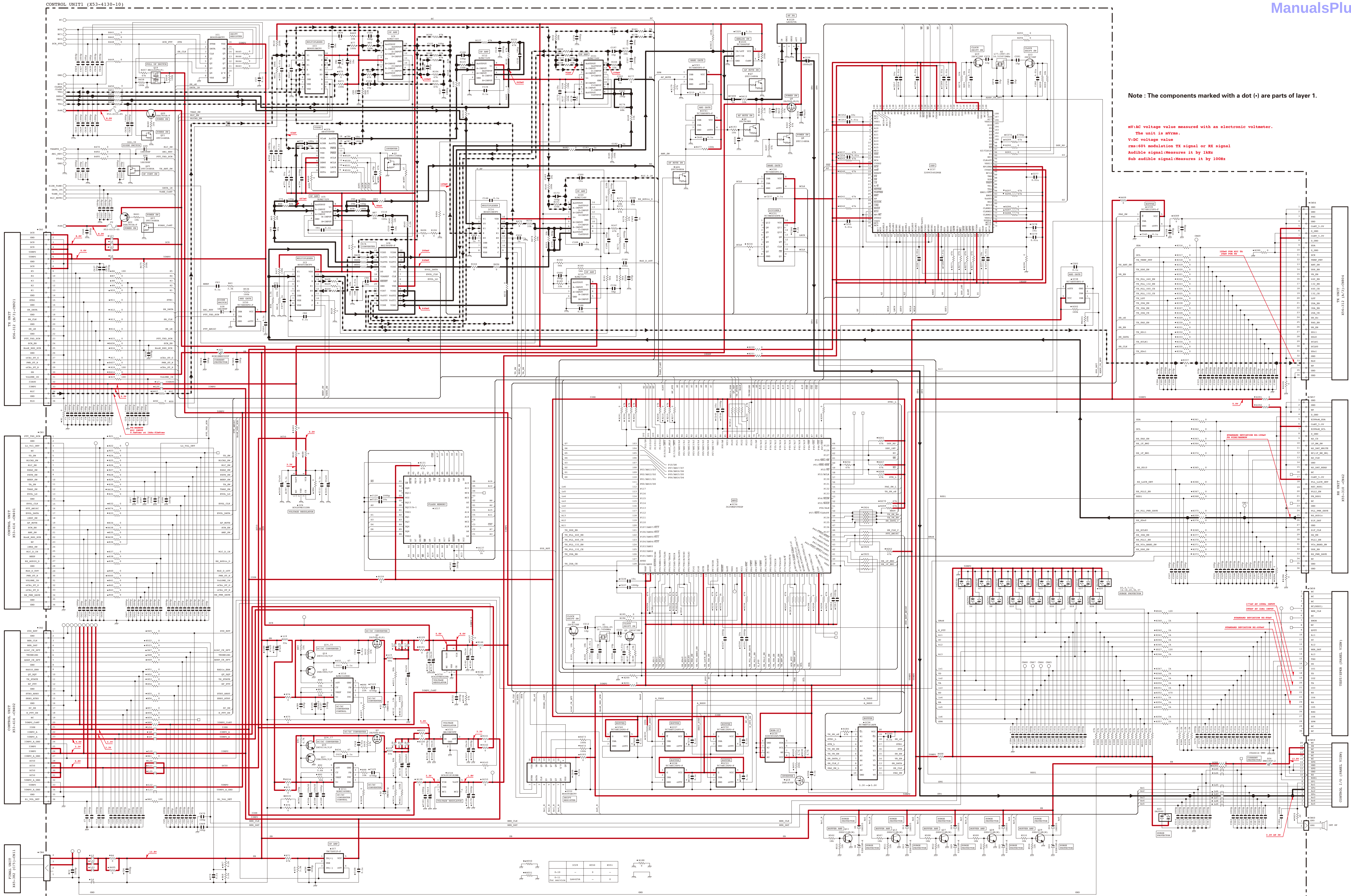


CONTROL UNIT
X53-413 -CN3



FINAL UNIT (MIC SECTION)
(X45-3820-XX) (E/5)





Note : The components marked with a dot (.) are parts of layer 1.

mV:AC voltage value measured with an electronic voltmeter.
The unit is mVrms.
V:DC voltage value.
rms:60 modulation TX signal or RX signal
Audible signal: Measures it by 1kHz
Sub audible signal: Measures it by 100Hz

