

NXR-800

SERVICE MANUAL

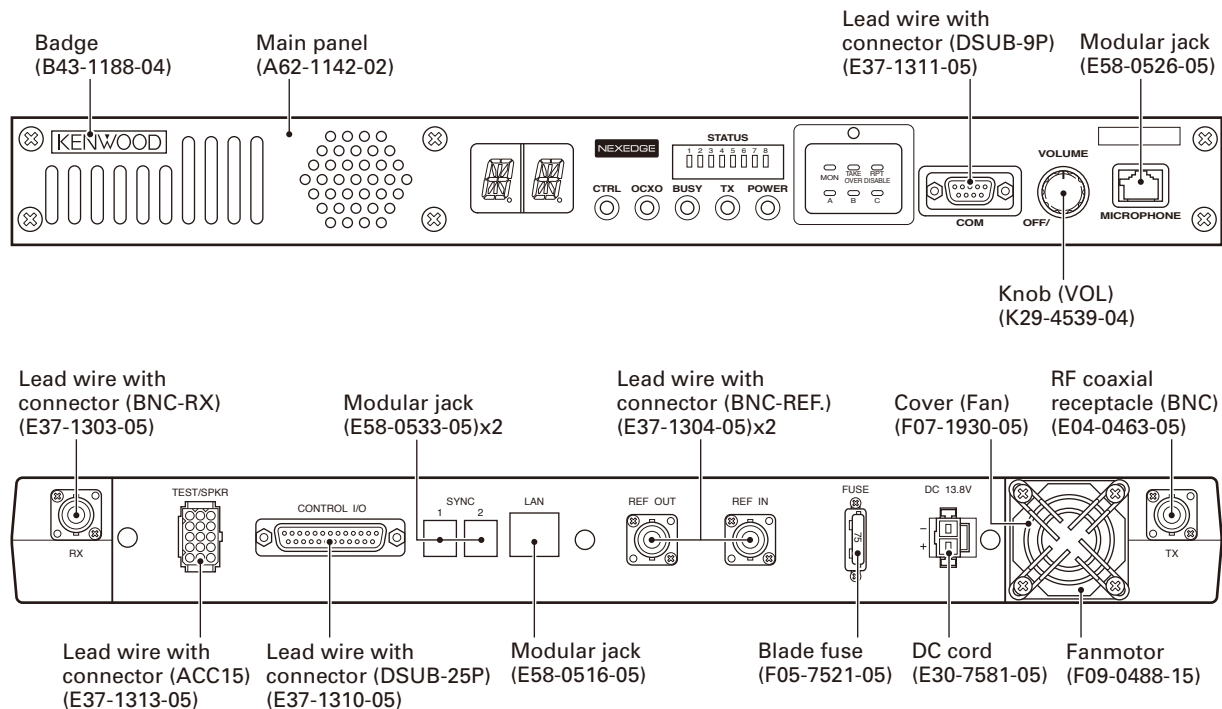
SUPPLEMENT III K4 version

KENWOOD

Kenwood Corporation

© 2009-12 PRINTED IN JAPAN
B51-8898-00 (N) 156

This NXR-800 (K4) service manual contains a number of sections which differ from the service manual (B51-8795-00 and B51-8827-00) for NXR-800 (K and K, K2). For items other than those in this NXR-800 (K4) service manual, please refer to the service manual (B51-8795-00 and B51-8827-00) for NXR-800 (K and K, K2).



CONTENTS

| | | | |
|----------------------------------|-----------|---|-------------------|
| GENERAL | 2 | PC BOARD | |
| SYSTEM SET-UP | 3 | FINAL UNIT (X45-3820-13) | 44 |
| CIRCUIT DESCRIPTION | 4 | CONTROL UNIT (X53-4130-10) | 48 |
| PARTS LIST | 6 | RF UNIT (X55-3100-13) | 52 |
| EXPLODED VIEW | 26 | TX UNIT (X56-3120-13) | 56 |
| PACKING | 28 | SCHEMATIC DIAGRAM | 60 |
| ADJUSTMENT | 29 | SPECIFICATIONS | BACK COVER |



NXR-800

Document Copyrights

Copyright 2009 by Kenwood Corporation. All rights reserved.

No part of this manual may be reproduced, translated, distributed, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, for any purpose without the prior written permission of Kenwood.

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.

Transceivers containing AMBE+2™ Vocoder:

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

GENERAL

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 :

- DO NOT transmit if someone is within two feet (0.6 meter) of the antenna.
- DO NOT 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.

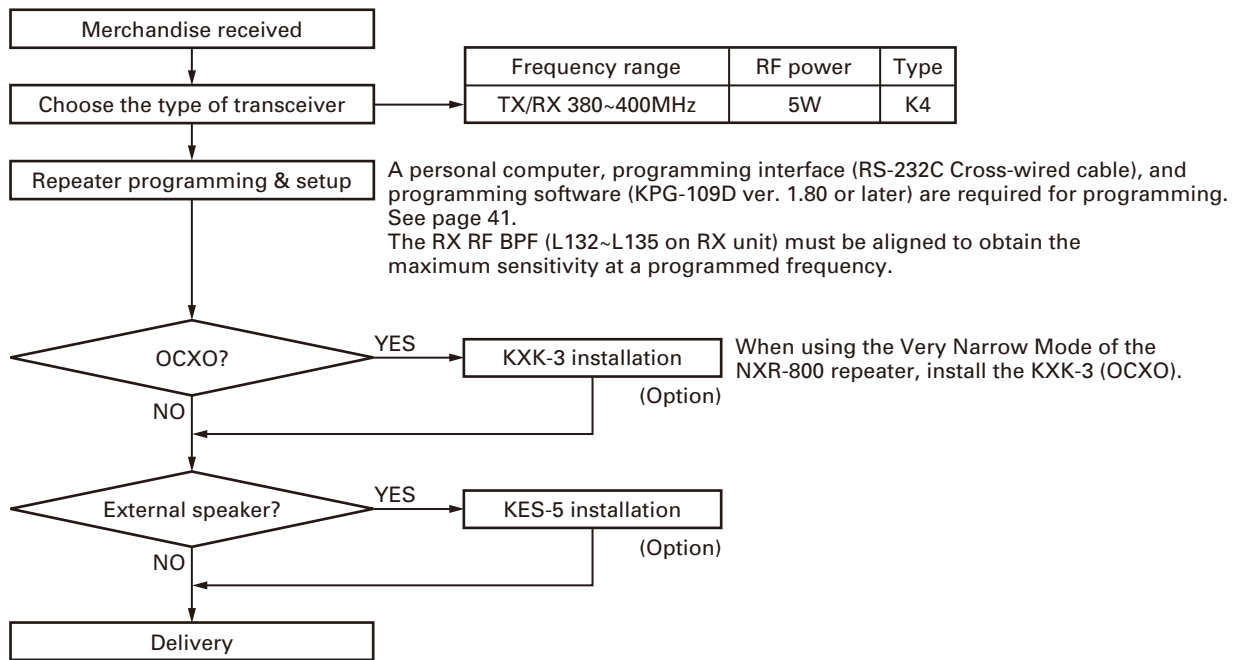
SERVICE

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

Service Manual List

| Title | Parts number | Remarks | Market code | Final unit number | Control unit number | Control unit number | RX unit number | TX unit number |
|---------|--------------|---------------------------------------|-------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| NXR-800 | B51-8795-00 | First edition | K | X45-3820-10 J79-0149-09 | X53-4130-10 J79-0011-09 | X53-4140-10 J79-0012-09 | X55-3100-10 J79-0151-09 | X56-3120-10 J79-0153-09 |
| NXR-800 | B51-8827-00 | Supplement | K,K2 | X45-3820-1X J79-0149-09 | X53-4130-10 J79-0011-09 | X53-4140-10 J79-0012-09 | X55-3100-1X J79-0151-09 | X56-3120-1X J79-0153-09 |
| NXR-800 | B51-8847-00 | Supplement II | K3 | X45-3820-12 J79-0149-09 | X53-4130-10 J79-0011-09 | X53-4140-10 J79-0012-09 | X55-3100-12 J79-0151-09 | X56-3120-12 J79-0153-09 |
| NXR-800 | B51-8898-00 | Supplement III This service manual | K4 | X45-3820-13 J79-0149-09 | X53-4130-10 J79-0011-19 | X53-4140-10 J79-0012-09 | X55-3100-13 J79-0292-09 | X56-3120-13 J79-0153-09 |

SYSTEM SET-UP

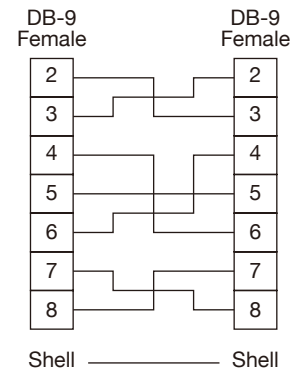
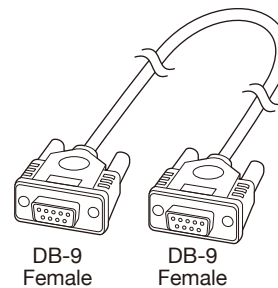


■ Cross-wired cable

There are a few types of null modem cable available in the market. Make sure to use one of the following null modem cables that meets the following specifications.

Cable Specification: Null modem cable with full handshaking (cross-wired) or InterLink cable that is usually used to transfer files between PCs.

Connector Specification (both cable ends): DB-9 female



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 380.000MHz to 389.995MHz.

The VCO Q103 produces transmitter frequencies from 390.000MHz to 400.000MHz.

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.

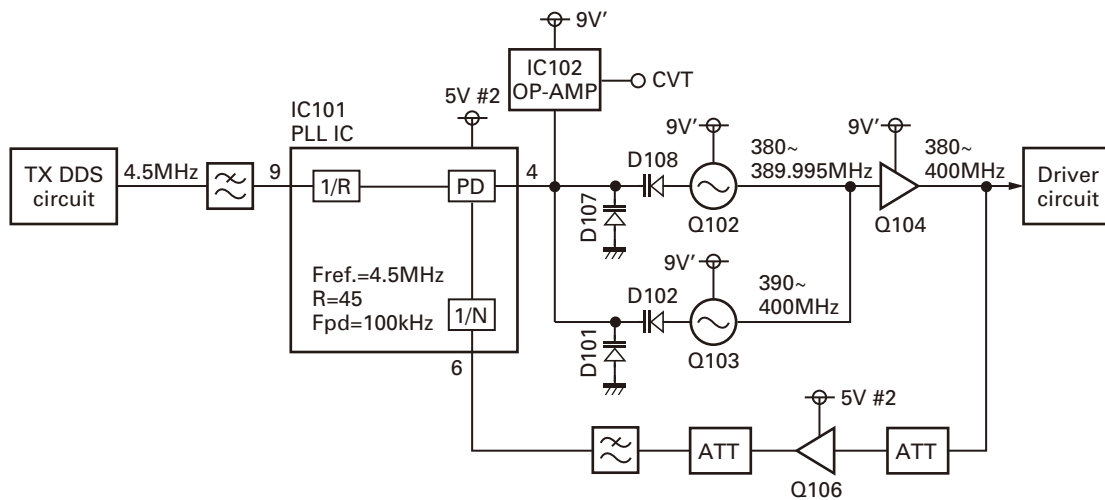


Fig. 1 Transmitter main PLL circuit

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 300.05~340.00MHz band generated by VCO Q7 and the 340.05~350.05MHz 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 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.

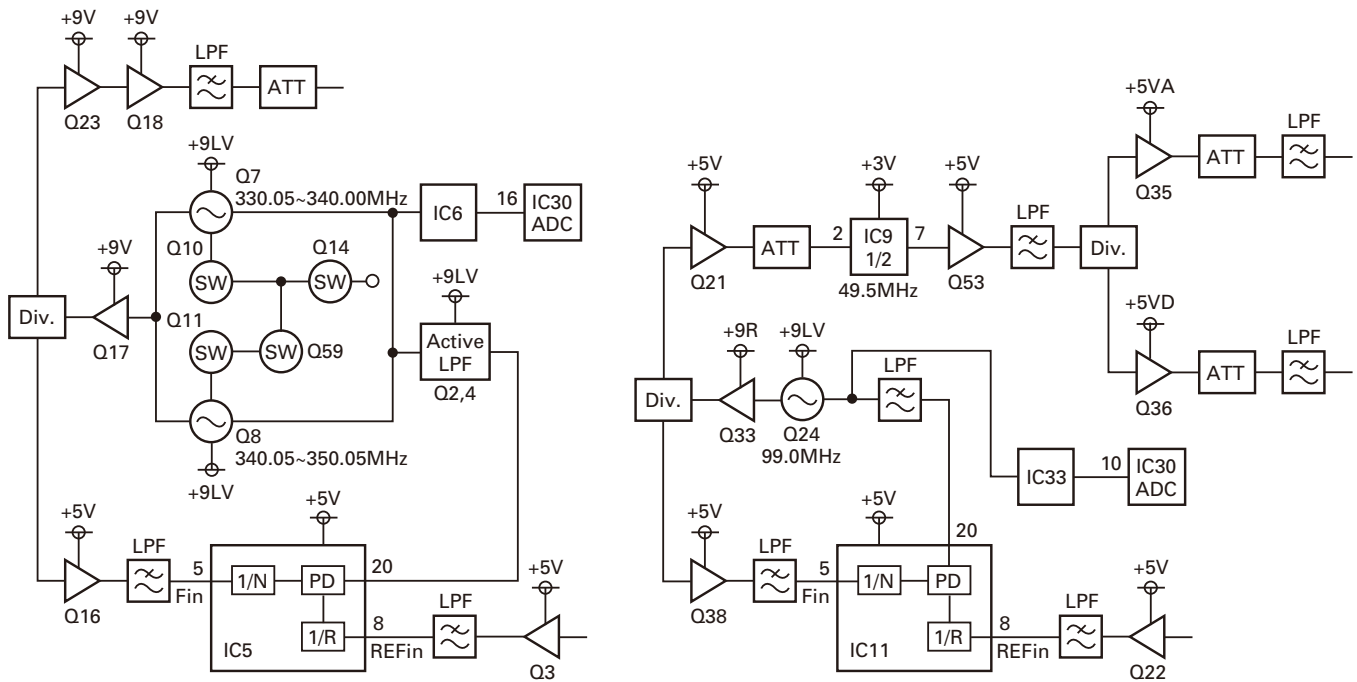


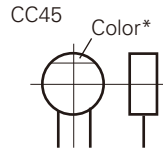
Fig. 2 Receiver PLL circuits

PARTS LIST

CAPACITORS

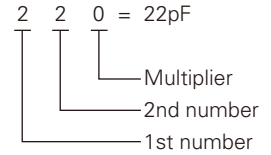
$\frac{C}{1} \frac{C}{2} \frac{45}{3} \frac{TH}{4} \frac{1H}{5} \frac{220}{6} \frac{J}{6}$

- 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 |

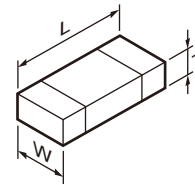
• Voltage rating

| 2nd word | A | B | C | D | E | F | G | H | J | K | V | |
|----------|------|------|------|------|------|------|------|------|------|------|-----|---|
| 1st word | 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 | 2150 | 4000 | 5000 | 6300 | 8000 | - | |

• Chip capacitors

- (EX) $\frac{C}{1} \frac{C}{2} \frac{73}{3} \frac{F}{4} \frac{SL}{5} \frac{1H}{6} \frac{000}{7} \frac{J}{7}$ → Refer to the table above.
- (Chip) (CH, RH, UJ, SL)
- 1 = Type
 - 2 = Shape
 - 3 = Dimension
 - 4 = Temp. coefficient
 - 5 = Voltage rating
 - 6 = Value
 - 7 = Tolerance
- (EX) $\frac{C}{1} \frac{K}{2} \frac{73}{3} \frac{F}{4} \frac{F}{5} \frac{1H}{6} \frac{000}{7} \frac{Z}{7}$
- (Chip) (B, F)

• 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 |

RESISTORS

• Chip resistor (Carbon)

- (EX) $\frac{R}{1} \frac{D}{2} \frac{73}{3} \frac{E}{4} \frac{B}{5} \frac{2B}{6} \frac{000}{7} \frac{J}{7}$
- (Chip) (B, F)

• Carbon resistor (Normal type)

- (EX) $\frac{R}{1} \frac{D}{2} \frac{14}{3} \frac{B}{4} \frac{B}{5} \frac{2C}{6} \frac{000}{7} \frac{J}{7}$

- 1 = Type
- 2 = Shape
- 3 = Dimension
- 4 = Temp. coefficient
- 5 = Rating wattage
- 6 = Value
- 7 = Tolerance

• 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 | | |

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)

C : China

K : USA

T : England

X : Australia

P : Canada

E : Europe

M : Other Areas

NXR-800

FINAL UNIT (X45-3820-13)

| 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 (L) | |
| 16 | 1B,2C | | E30-7583-05 | TRUNK CABLE (S) | |
| 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 | 1D | | E37-1304-05 | LEAD WIRE WITH CONNECTOR (BNC-REF) | |
| 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 (DSUB25P) | |
| 29 | 3B | | E37-1311-05 | LEAD WIRE WITH CONNECTOR (DSUB9P) | |
| 30 | 2D | | E37-1313-05 | LEAD WIRE WITH CONNECTOR (ACC15) | |
| 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 | * | F09-0488-15 | FANMOTOR | |
| 42 | 3A | | G10-1343-04 | FIBROUS SHEET (FRONT PANEL) | |
| 44 | 3C | | G10-1396-04 | FIBROUS SHEET (SHIELDING COVER) | |
| 45 | 2B | | G11-4408-04 | RUBBER SHEET (CONT-TR) | |
| 47 | 3A | | G13-2163-04 | CUSHION (PF) | |
| 52 | 3B | | J19-5496-02 | HOLDER (DISP) | |
| 53 | 1C | | J19-5497-05 | HOLDER (CF) | |
| 54 | 1E | | J29-0725-04 | BRACKET (SIDE) | |
| 55 | 3A | | J39-0655-03 | SPACER (SP) | |
| 56 | 2D | | J61-0307-05 | BAND (DC) | |
| 58 | 1E | | K01-0421-05 | HANDLE ACCESSORY | |
| 59 | 3A | | K29-4539-04 | KNOB (VOLUME) | |
| 61 | 1F | | L79-1419-05 | LINE FILTER | |
| A | 1E | | N08-0563-04 | DRESSED SCREW (FRONT GLASS) | |
| B | 3B,1D | | N09-2292-05 | HEXAGON HEAD SCREW (DSUB) | |
| FINAL UNIT (X45-3820-13) | | | | | |
| C | 1C | | N30-2008-43 | PAN HEAD MACHINE SCREW (CF) | |
| D | 2C,1D | | N30-2606-48 | PAN HEAD MACHINE SCREW (BNC) | |
| E | 2A | | N30-3016-43 | PAN HEAD MACHINE SCREW (FUN) | |
| 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) | |
| 64 | 3A | | T07-0347-15 | SPEAKER | |
| - | | | X53-4130-11 | CONTROL UNIT (FOR SERVICE) | |
| - | | | X53-4140-11 | CONTROL UNIT (FOR SERVICE) | |
| 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 | | | CK73GB1H473K | CHIP C | 0.047UF 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 | | | C93-0599-05 | CHIP C | 470PF K |
| 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 |

PARTS LIST

FINAL UNIT (X45-3820-13)

| Ref. No. | Address | New parts | Parts No. | Description | Destination | Ref. No. | Address | New parts | Parts No. | Description | Destination |
|----------|---------|-----------|---------------|---------------------|-------------|----------|---------|-----------|---------------|------------------------------|-------------|
| C86 | | | CK73GB1H103K | CHIP C 0.010UF K | | C915 | | | CC73GCH1H101J | CHIP C 100PF J | |
| C87 | | | CC73GCH1H180J | CHIP C 18PF J | | C916 | | | CK73GB1H102K | CHIP C 1000PF K | |
| C88-90 | | | CK73GB1H471K | CHIP C 470PF K | | CN1 | | | E04-0193-05 | PIN SOCKET | |
| C94 | | | CC73GCH1H101J | CHIP C 100PF J | | CN2 | | | E23-0902-05 | TERMINAL | |
| C95-102 | | | CK73GB1H471K | CHIP C 470PF K | | CN8 | | | E41-2671-05 | PIN ASSY | |
| C104 | | | CK73GB1H471K | CHIP C 470PF K | | CN11 | | | E41-2673-05 | PIN ASSY | |
| C105 | | | C93-0599-05 | CHIP C 470PF K | | CN12 | | | E41-2672-05 | PIN ASSY | |
| C106 | | | CK73GB1H471K | CHIP C 470PF K | | CN15 | | | E41-2672-05 | PIN ASSY | |
| C108,109 | | | CK73GB1H471K | CHIP C 470PF K | | CN19 | | | E04-0193-05 | PIN SOCKET | |
| C112 | | | CK73GB1H471K | CHIP C 470PF K | | CN20 | | | E40-6656-05 | PIN ASSY | |
| C113,114 | | | CK73GB1H472K | CHIP C 4700PF K | | CN701 | | | E41-2741-05 | PIN ASSY | |
| C115 | | | CK73GB1H471K | CHIP C 470PF K | | CN905 | | | E41-1483-05 | PIN ASSY | |
| C116 | | | C93-0552-05 | CHIP C 2.0PF C | | J901 | | | E58-0526-05 | MODULAR JACK | |
| C117 | | | CK73GB1H103K | CHIP C 0.010UF K | | CN4 | | | J13-0071-05 | FUSE HOLDER | |
| C119 | | | CC73GCH1H1R5C | CHIP C 1.5PF C | | L1 | | | L92-0179-05 | CHIP FERRITE | |
| C122 | | | C93-0570-05 | CHIP C 68PF J | | L3 | | | L79-0558-05 | FILTER | |
| C123 | | | C93-0566-05 | CHIP C 33PF J | | L4 | | | L92-0131-05 | CHIP FERRITE | |
| C124 | | | CC73GCH1H180J | CHIP C 18PF J | | L9 | | | L34-4638-05 | AIR-CORE COIL | |
| C126 | | | C93-0556-05 | CHIP C 6.0PF D | | L10 | | | L34-4606-15 | AIR-CORE COIL | |
| C127,128 | | | CK73GB1H471K | CHIP C 470PF K | | L12-15 | | | L34-4518-05 | AIR-CORE COIL | |
| C131 | | | C93-0560-05 | CHIP C 10PF D | | L17 | | | L34-4523-05 | AIR-CORE COIL | |
| C133,134 | | | CK73GB1H471K | CHIP C 470PF K | | L701,702 | | | L41-4705-33 | SMALL FIXED INDUCTOR (47UH) | |
| C138 | | | CE32CL1V100M | CHIP EL 10UF 35WV | | L703,704 | | | L41-1095-33 | SMALL FIXED INDUCTOR (1.0UH) | |
| C141 | | | C93-0599-05 | CHIP C 470PF K | | L900 | | | L92-0447-05 | BEADS CORE | |
| C147 | | | C93-0560-05 | CHIP C 10PF D | | CP1 | | | RK75GB1J103J | CHIP-COM 10K J 1/16W | |
| C149 | | | C93-0558-05 | CHIP C 8.0PF D | | R1 | | | RK73FB2B271J | CHIP R 270 J 1/8W | |
| C150 | | | CK73GB1H104K | CHIP C 0.10UF K | | R2 | | | RK73FB2B180J | CHIP R 18 J 1/8W | |
| C158 | | | C93-0557-05 | CHIP C 7.0PF D | | R3 | | | RK73FB2B271J | CHIP R 270 J 1/8W | |
| C161 | | | CC73FCH1H080D | CHIP C 8.0PF D | | R4 | | | R92-3604-05 | CHIP R 0.047 D 1W | |
| C162 | | | CK73GB1H104K | CHIP C 0.10UF K | | R9 | | | RK73GB2A101J | CHIP R 100 J 1/10W | |
| C167 | | | CK73GB1H104K | CHIP C 0.10UF K | | R11 | | | RS14DB3A4R7J | FL-PROOFRS 4.7 J 1W | |
| C169,170 | | | CK73GB1H471K | CHIP C 470PF K | | R12,13 | | | RK73GB2A473J | CHIP R 47K J 1/10W | |
| C187,188 | | | C92-0905-05 | OS-CON 47UF 35WV | | R15 | | | RK73GB2A332J | CHIP R 3.3K J 1/10W | |
| C189 | | | CK73GB1H103K | CHIP C 0.010UF K | | R17 | | | RK73GB2A103J | CHIP R 10K J 1/10W | |
| C190 | | | CK73GB1H471K | CHIP C 470PF K | | R18 | | | RK73GB2A473J | CHIP R 47K J 1/10W | |
| C191 | | | CK73GB1E105K | CHIP C 1.0UF K | | R20 | | | RK73GB2A104J | CHIP R 100K J 1/10W | |
| C193 | | | CC73FCH1H220J | CHIP C 22PF J | | R21,22 | | | RK73GB2A824J | CHIP R 820K J 1/10W | |
| C701 | | | CK73GB1E105K | CHIP C 1.0UF K | | R23 | | | RK73FB2B000J | CHIP R 0.0 J 1/8W | |
| C702,703 | | | CK73GB1H471K | CHIP C 470PF K | | R25 | | | RK73GB2A104J | CHIP R 100K J 1/10W | |
| C704 | | | CE32AU1E100M | CHIP EL 10UF 25WV | | R26 | | | RK73EB2E101J | CHIP R 100 J 1/4W | |
| C705 | | | CK73GB1E105K | CHIP C 1.0UF K | | R27 | | | RK73GB2A224J | CHIP R 220K J 1/10W | |
| C706,707 | | | CK73GB1H471K | CHIP C 470PF K | | R28 | | | RK73GB2A474J | CHIP R 470K J 1/10W | |
| C708 | | | CE32CL1V100M | CHIP EL 10UF 35WV | | R29,30 | | | RK73GB2A562J | CHIP R 5.6K J 1/10W | |
| C709 | | | CE32AU1C330M | CHIP EL 33UF 16WV | | R31,32 | | | RK73GB2A104J | CHIP R 100K J 1/10W | |
| C710 | | | CK73GB1H104K | CHIP C 0.10UF K | | R33 | | | RK73GB2A564J | CHIP R 560K J 1/10W | |
| C711 | | | CS77CB21C100M | CHIP TNTL 10UF 16WV | | R34 | | | RK73FB2B8R2J | CHIP R 8.2 J 1/8W | |
| C712 | | | CE32AU1C330M | CHIP EL 33UF 16WV | | R35,36 | | | RK73GB2A683J | CHIP R 68K J 1/10W | |
| C713,714 | | | CK73GB1H104K | CHIP C 0.10UF K | | R37 | | | RK73GB2A564J | CHIP R 560K J 1/10W | |
| C715 | | | CE32AU1C330M | CHIP EL 33UF 16WV | | R38 | | | RK73FB2B151J | CHIP R 150 J 1/8W | |
| C716 | | | CK73GB1H104K | CHIP C 0.10UF K | | R39,40 | | | RK73GB2A824J | CHIP R 820K J 1/10W | |
| C717,718 | | | CK73GB1H471K | CHIP C 470PF K | | R41 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | |
| C900 | | | CK73GB1H104K | CHIP C 0.10UF K | | R42 | | | RK73FB2B8R2J | CHIP R 8.2 J 1/8W | |
| C901 | | | CK73GB1H102K | CHIP C 1000PF K | | R44 | | | RK73FB2B8R2J | CHIP R 8.2 J 1/8W | |
| C902 | | | CC73GCH1H101J | CHIP C 100PF J | | R45,46 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | |
| C904 | | | CC73GCH1H101J | CHIP C 100PF J | | R47 | | | RK73FB2B151J | CHIP R 150 J 1/8W | |
| C905 | | | CK73FB0J106K | CHIP C 10UF K | | R49 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | |
| C906-908 | | | CK73GB1H102K | CHIP C 1000PF K | | R50,51 | | | RK73GB2A104J | CHIP R 100K J 1/10W | |
| C909,910 | | | CC73GCH1H101J | CHIP C 100PF J | | R52 | | | RK73FB2B8R2J | CHIP R 8.2 J 1/8W | |
| C912,913 | | | CC73GCH1H101J | CHIP C 100PF J | | | | | | | |
| C914 | | | CK73GB1H104K | CHIP C 0.10UF K | | | | | | | |

PARTS LIST

FINAL UNIT (X45-3820-13)
CONTROL UNIT (X53-4130-10)

| Ref. No. | Address | New parts | Parts No. | Description | Destination | Ref. No. | Address | New parts | Parts No. | Description | Destination |
|-----------------------------------|---------|-----------|---------------|------------------------------------|-----------------|----------|---------|-----------|---------------|-------------|-------------|
| R53,54 | | | RK73GB2A184J | CHIP R 180K J 1/10W | | IC9 | | | S24CS02AFJTBG | ROM IC | |
| R55-58 | | | RK73GB2A104J | CHIP R 100K J 1/10W | | IC10 | 1A | * | RA13H3340M131 | MOS-IC | |
| R59,60 | | | RK73GB2A562J | CHIP R 5.6K J 1/10W | | IC11 | 1B | | NJM7808FA-ZB | BI-POLAR IC | |
| R61 | | | RK73EB2E820J | CHIP R 82 J 1/4W | | IC12 | 1B | | NJM7805FA-ZB | BI-POLAR IC | |
| R62 | | | RK73GH2A563D | CHIP R 56K D 1/10W | | IC15 | | | NJM2904E-ZB | ANALOGUE IC | |
| R63 | | | RK73GH2A333D | CHIP R 33K D 1/10W | | IC701 | | | NJM78L05UA-ZB | BI-POLAR IC | |
| R64 | | | RK73GB2A474J | CHIP R 470K J 1/10W | | IC702 | | | LTC1046IS8 | MOS-IC | |
| R65 | | | RK73GB2A473J | CHIP R 47K J 1/10W | | IC703 | | | TK72130CS | BI-POLAR IC | |
| R66 | | | RK73GB2A100J | CHIP R 10 J 1/10W | | Q2 | | | SSM3K15TE(F) | FET | |
| R67 | | | RS14DB3A121J | FL-PROOF RS 120 J 1W | | Q3 | | | SSM3J01F | FET | |
| R68 | | | RK73GB2A104J | CHIP R 100K J 1/10W | | Q4 | | | 2SJ506-E(S) | FET | |
| R69 | | | RK73GB2A103J | CHIP R 10K J 1/10W | | Q5,6 | | | SSM3K15TE(F) | FET | |
| R70-72 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | | Q8 | | | SSM3K15TE(F) | FET | |
| R75,76 | | | RK73GB2A472J | CHIP R 4.7K J 1/10W | | Q14 | | | SSM3K15TE(F) | FET | |
| R78 | | | RK73GB2A104J | CHIP R 100K J 1/10W | | | | | | | |
| R89 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | | | | | | | |
| R92 | | | RK73GB2A104J | CHIP R 100K J 1/10W | | | | | | | |
| R102 | | | RK73GH2A471D | CHIP R 470 D 1/10W | | | | | | | |
| R104 | | | RK73GB2A393J | CHIP R 39K J 1/10W | | | | | | | |
| R105 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | | | | | | | |
| R106 | | | RK73GB2A474J | CHIP R 470K J 1/10W | | | | | | | |
| R107 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | | | | | | | |
| R110 | | | RK73GB2A394J | CHIP R 390K J 1/10W | | | | | | | |
| R121 | | | RK73GH2A103D | CHIP R 10K D 1/10W | | | | | | | |
| R123 | | | RK73GB2A103J | CHIP R 10K J 1/10W | | | | | | | |
| R124 | | | RK73FB2B6R8J | CHIP R 6.8 J 1/8W | | | | | | | |
| R125 | | | R92-1061-05 | JUMPER REST 0.0 | | | | | | | |
| R133 | | | RK73GB2A102J | CHIP R 1.0K J 1/10W | | | | | | | |
| R136 | | | RK73GB2A394J | CHIP R 390K J 1/10W | | | | | | | |
| R137-140 | | | RK73GB2A104J | CHIP R 100K J 1/10W | | | | | | | |
| R142 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | | | | | | | |
| R147 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | | | | | | | |
| R900 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | | | | | | | |
| R901 | | | RK73GB2A182J | CHIP R 1.8K J 1/10W | | | | | | | |
| R902 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | | | | | | | |
| R903 | | | RK73GB2A681J | CHIP R 680 J 1/10W | | | | | | | |
| R905,906 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | | | | | | | |
| R907 | | | RK73GH2A153D | CHIP R 15K D 1/10W | | | | | | | |
| R909 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | | | | | | | |
| R910 | | | RK73GB2A182J | CHIP R 1.8K J 1/10W | | | | | | | |
| 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) | | | | | | | |
| VR2 | | | R32-0754-05 | SEMI FIXED VARIABLE RESISTOR (10K) | | | | | | | |
| VR902 | | | R31-0668-15 | VARIABLE RESISTOR (10K) | | | | | | | |
| D4 | | * | Z5W27V | SURGE ABSORBER | | | | | | | |
| D5 | | | DSM3MA1-RPB | DIODE | | | | | | | |
| D6 | | | 1SS355 | DIODE | | | | | | | |
| D7 | | | 02CZ5.6(Y)F | ZENER DIODE | | | | | | | |
| D9,10 | | | HSB88WS | DIODE | | | | | | | |
| D11 | | | L7091CER | DIODE | | | | | | | |
| D14-16 | | | L7091CER | DIODE | | | | | | | |
| D19 | | | 02CZ4.7(Y)F | ZENER DIODE | | | | | | | |
| D902 | | | AVRM16270MABB | VARIATOR | | | | | | | |
| IC1 | | | LTC6101BIS5-F | ANALOGUE IC | | | | | | | |
| IC2 | | | NJM2904E-ZB | ANALOGUE IC | | | | | | | |
| IC3 | | | TA78L05FF | MOS-IC | | | | | | | |
| IC4-6 | | | NJM2904E-ZB | ANALOGUE IC | | | | | | | |
| IC7 | | | S-8130AC | MOS-IC | | | | | | | |
| IC8 | | | NJM2904E-ZB | ANALOGUE IC | | | | | | | |
| CONTROL UNIT (X53-4130-10) | | | | | | | | | | | |
| C1-5 | | | | CK73GB1H102K | CHIP C 1000PF K | | | | | | |
| C6 | | | | CC73GCH1H101J | CHIP C 100PF J | | | | | | |
| C7 | | | | CK73GB1H102K | CHIP C 1000PF K | | | | | | |
| C8 | | | | CC73GCH1H101J | CHIP C 100PF J | | | | | | |
| C9 | | | | CK73GB1H102K | CHIP C 1000PF K | | | | | | |
| C10 | | | | CC73GCH1H101J | CHIP C 100PF J | | | | | | |
| C12-16 | | | | CK73GB1H102K | CHIP C 1000PF K | | | | | | |
| C18-28 | | | | CK73GB1H102K | CHIP C 1000PF K | | | | | | |
| C29 | | | | CC73GCH1H101J | CHIP C 100PF J | | | | | | |
| C30-33 | | | | CK73GB1H102K | CHIP C 1000PF K | | | | | | |
| C34 | | | | CC73GCH1H101J | CHIP C 100PF J | | | | | | |
| C35 | | | | CK73GB1H102K | CHIP C 1000PF K | | | | | | |
| C36 | | | | CC73GCH1H101J | CHIP C 100PF J | | | | | | |
| C37 | | | | CK73GB1H104K | CHIP C 0.10UF K | | | | | | |
| C39-47 | | | | CK73GB1H102K | CHIP C 1000PF K | | | | | | |
| C49 | | | | CC73GCH1H101J | CHIP C 100PF J | | | | | | |
| C50-53 | | | | CK73GB1H102K | CHIP C 1000PF K | | | | | | |
| C54 | | | | CC73GCH1H101J | CHIP C 100PF J | | | | | | |
| C55 | | | | CK73GB1H102K | CHIP C 1000PF K | | | | | | |
| C56 | | | | CC73GCH1H101J | CHIP C 100PF J | | | | | | |
| C57 | | | | CK73GB1H102K | CHIP C 1000PF K | | | | | | |
| C58 | | | | CC73GCH1H101J | CHIP C 100PF J | | | | | | |
| C60-62 | | | | CK73GB1H102K | CHIP C 1000PF K | | | | | | |
| C63 | | | | CK73GB1H104K | CHIP C 0.10UF K | | | | | | |
| C64 | | | | CK73GB1H102K | CHIP C 1000PF K | | | | | | |
| C65 | | | | CK73FB0J106K | CHIP C 10UF K | | | | | | |
| C66 | | | | CK73GB1H102K | CHIP C 1000PF K | | | | | | |
| C67 | | | | CK73FB0J106K | CHIP C 10UF K | | | | | | |
| C68 | | | | CK73GB1H102K | CHIP C 1000PF K | | | | | | |
| C69 | | | | CK73GB1H104K | CHIP C 0.10UF K | | | | | | |
| C70 | | | | CK73GB1H102K | CHIP C 1000PF K | | | | | | |
| C71 | | | | CK73FB0J106K | CHIP C 10UF K | | | | | | |
| C72 | | | | CK73GB1E105K | CHIP C 1.0UF K | | | | | | |
| C73 | | | | CC73GCH1H101J | CHIP C 100PF J | | | | | | |
| C74 | | | | CK73GB1H104K | CHIP C 0.10UF K | | | | | | |
| C75 | | | | CC73GCH1H101J | CHIP C 100PF J | | | | | | |
| C76 | | | | CK73GB1H102K | CHIP C 1000PF K | | | | | | |
| C77 | | | | C93-0912-05 | CHIP C 100UF M | | | | | | |
| C78 | | | | CK73FB0J106K | CHIP C 10UF K | | | | | | |
| C79-82 | | | | CK73GB1H104K | CHIP C 0.10UF K | | | | | | |
| C83-86 | | | | CK73FB0J106K | CHIP C 10UF K | | | | | | |
| C87 | | | | C93-0912-05 | CHIP C 100UF M | | | | | | |

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

PARTS LIST

CONTROL UNIT (X53-4130-10)

| Ref. No. | Address | New parts | Parts No. | Description | Destination | Ref. No. | Address | New parts | Parts No. | Description | Destination |
|----------|---------|-----------|---------------|--------------------|-------------|----------|---------|-----------|---------------|---------------------|-------------|
| 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 47UF 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 | |
| C170 | | | CK73GB1H102K | CHIP C 1000PF K | | C276 | | | CC73GCH1H100D | CHIP C 10PF D | |
| C172 | | | CK73FB0J106K | CHIP C 10UF K | | C277 | | | CK73GB1H103K | CHIP C 0.010UF K | |
| C173 | | | CC73GCH1H101J | CHIP C 100PF J | | C278 | | | CK73FB0J106K | CHIP C 10UF K | |
| C174 | | | CK73GB1H102K | CHIP C 1000PF K | | C279 | | | CK73GB1H103K | CHIP C 0.010UF K | |
| C175 | | | CC73GCH1H391J | CHIP C 390PF J | | C280 | | | CC73GCH1H100D | CHIP C 10PF D | |
| C177 | | | CC73GCH1H101J | CHIP C 100PF J | | C281 | | | CC73GCH1H150J | CHIP C 15PF J | |
| C178 | | | CK73FB0J106K | CHIP C 10UF K | | C282 | | | CK73GB1H103K | CHIP C 0.010UF K | |
| C188,189 | | | CK73GB1H104K | CHIP C 0.10UF K | | C283 | | | CK73GB1H104K | CHIP C 0.10UF K | |
| C190 | | | CK73GB1E105K | CHIP C 1.0UF K | | C284-288 | | | CK73GB1H103K | CHIP C 0.010UF K | |
| C192,193 | | | CK73GB1E105K | CHIP C 1.0UF K | | C289 | | | CK73GB1H102K | CHIP C 1000PF K | |
| C194 | | | CC73GCH1H560J | CHIP C 56PF J | | C290-297 | | | CK73GB1H103K | CHIP C 0.010UF K | |
| C195 | | | CC73GCH1H181J | CHIP C 180PF J | | C299,300 | | | CK73GB1H103K | CHIP C 0.010UF K | |
| C196 | | | CC73GCH1H101J | CHIP C 100PF J | | C302 | | | CK73GB1H103K | CHIP C 0.010UF K | |
| C197 | | | CC73GCH1H330J | CHIP C 33PF J | | C304 | | | CC73GCH1H101J | CHIP C 100PF J | |
| C199 | | | C93-0912-05 | CHIP C 100UF M | | C305,306 | | | CK73GB1H102K | CHIP C 1000PF K | |
| C200 | | | CK73FB0J106K | CHIP C 10UF K | | C307-310 | | | CC73GCH1H101J | CHIP C 100PF J | |
| C202 | | | CK73GB1E105K | CHIP C 1.0UF K | | C311,312 | | | CK73GB1H102K | CHIP C 1000PF K | |

PARTS LIST

CONTROL UNIT (X53-4130-10)

| Ref. No. | Address | New parts | Parts No. | Description | Destination | Ref. No. | Address | New parts | Parts No. | Description | Destination |
|----------|---------|-----------|---------------|-------------------|-------------|----------|---------|-----------|---------------|----------------------------------|-------------|
| 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 (0.25A) | |
| C370-372 | | | CK73GB1H102K | CHIP C 1000PF K | | F3 | | * | F53-0328-15 | FUSE (5A) | |
| C373 | | | CC73GCH1H101J | CHIP C 100PF J | | L3-14 | | | L92-0447-05 | BEADS CORE | |
| C374 | | | CK73GB1H103K | CHIP C 0.010UF K | | L15 | | | L33-1476-05 | SMALL FIXED INDUCTOR | |
| C375,376 | | | CK73GB1H102K | CHIP C 1000PF K | | L16 | | | L33-1475-05 | SMALL FIXED INDUCTOR | |
| C377 | | | CC73GCH1H101J | CHIP C 100PF J | | L17,18 | | | L92-0447-05 | BEADS CORE | |
| C379,380 | | | CK73GB1H102K | CHIP C 1000PF K | | L19 | | | L33-1475-05 | SMALL FIXED INDUCTOR | |
| C381 | | | CC73GCH1H101J | CHIP C 100PF J | | L20-22 | | | L92-0447-05 | BEADS CORE | |
| C382 | | | CK73GB1H103K | CHIP C 0.010UF K | | L32-40 | | | L92-0447-05 | BEADS CORE | |
| C383,384 | | | CK73GB1H102K | CHIP C 1000PF K | | L43 | | | L92-0447-05 | BEADS CORE | |
| C385 | | | CC73GCH1H101J | CHIP C 100PF J | | L44-49 | | | L92-0467-05 | CHIP FERRITE | |
| C386,387 | | | CK73GB1H102K | CHIP C 1000PF K | | X1 | | | L77-1984-05 | CRYSTAL RESONATOR (14.7456MHZ) | |
| C388 | | | CC73GCH1H101J | CHIP C 100PF J | | X2 | | | L77-1987-05 | CRYSTAL RESONATOR (16.515072MHZ) | |
| C389,390 | | | CK73GB1H102K | CHIP C 1000PF K | | CP8 | | | RK75GB1JR00 | CHIP-COM 0.0 1/16W | |
| C394 | | | C92-0905-05 | OS-CON 47UF 35WV | | CP10 | | | RK75GB1JR00 | CHIP-COM 0.0 1/16W | |
| C395 | | | CK73GB1H103K | CHIP C 0.010UF K | | CP13 | | | RK75GB1JR00 | CHIP-COM 0.0 1/16W | |
| C396-399 | | | CK73GB1H102K | CHIP C 1000PF K | | CP19 | | | RK75GB1JR00 | CHIP-COM 0.0 1/16W | |
| C400,401 | | | CE32AU1C330M | CHIP EL 33UF 16WV | | CP25,26 | | | RK75GB1JR00 | CHIP-COM 0.0 1/16W | |
| C403 | | | CK73GB1E105K | CHIP C 1.0UF K | | | | | | | |
| C404 | | | CK73FB0J106K | CHIP C 10UF K | | | | | | | |
| C405,406 | | | CC73GCH1H101J | CHIP C 100PF J | | | | | | | |

PARTS LIST

CONTROL UNIT (X53-4130-10)

| Ref. No. | Address | New parts | Parts No. | Description | Destination | Ref. No. | Address | New parts | Parts No. | Description | Destination |
|----------|---------|-----------|--------------|---------------------|-------------|----------|---------|-----------|--------------|---------------------|-------------|
| R1,2 | | | 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 | | R191 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | |
| R86 | | | RK73GB2A473J | CHIP R 47K J 1/10W | | R193 | | | RK73GB2A103J | CHIP R 10K J 1/10W | |
| R87 | | | RK73GB2A223J | CHIP R 22K J 1/10W | | R194 | | | RK73GB2A473J | CHIP R 47K J 1/10W | |
| R88 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | | R195,196 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | |
| R89 | | | RK73GB2A103J | CHIP R 10K J 1/10W | | R197 | | | RK73GB2A103J | CHIP R 10K J 1/10W | |
| R90 | | | RK73GB2A153J | CHIP R 15K J 1/10W | | R198 | | | RK73GB2A473J | CHIP R 47K J 1/10W | |
| R91 | | | RK73GB2A472J | CHIP R 4.7K J 1/10W | | R199 | | | RK73GB2A103J | CHIP R 10K J 1/10W | |
| R92 | | | RK73GB2A562J | CHIP R 5.6K J 1/10W | | R200,201 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | |
| R93,94 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | | R202 | | | RK73GB2A473J | CHIP R 47K J 1/10W | |
| R95 | | | RK73GB2A470J | CHIP R 47 J 1/10W | | R203 | | | RK73GB2A104J | CHIP R 100K J 1/10W | |
| R96 | | | RK73GB2A223J | CHIP R 22K J 1/10W | | R204 | | | RK73GB2A473J | CHIP R 47K J 1/10W | |
| R98 | | | RK73GB2A103J | CHIP R 10K J 1/10W | | R205 | | | RK73GB2A104J | CHIP R 100K J 1/10W | |
| R100 | | | RK73GB2A473J | CHIP R 47K J 1/10W | | R206 | | | RK73GB2A122J | CHIP R 1.2K J 1/10W | |
| R101 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | | R207,208 | | | RK73GB2A473J | CHIP R 47K J 1/10W | |
| R102 | | | RK73GB2A123J | CHIP R 12K J 1/10W | | R210 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | |
| R103-105 | | | RK73GB2A473J | CHIP R 47K J 1/10W | | R211,212 | | | RK73GB2A473J | CHIP R 47K J 1/10W | |
| R106-108 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | | R215 | | | RK73GB2A473J | CHIP R 47K J 1/10W | |
| R109 | | | RK73GB2A153J | CHIP R 15K J 1/10W | | R216,217 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | |
| R111 | | | RK73GB2A823J | CHIP R 82K J 1/10W | | R218,219 | | | RK73GB2A473J | CHIP R 47K J 1/10W | |
| R112 | | | RK73GB2A123J | CHIP R 12K J 1/10W | | R220,221 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | |
| R113 | | | RK73GB2A823J | CHIP R 82K J 1/10W | | R222 | | | RK73GB2A473J | CHIP R 47K J 1/10W | |
| R114 | | | RK73GB2A223J | CHIP R 22K J 1/10W | | R230,231 | | | RK73GB2A473J | CHIP R 47K J 1/10W | |
| R115 | | | RK73GB2A154J | CHIP R 150K J 1/10W | | R232 | | | RK73GB2A102J | CHIP R 1.0K J 1/10W | |
| R116 | | | RK73GB2A223J | CHIP R 22K J 1/10W | | R233 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | |
| R127 | | | RK73GB2A473J | CHIP R 47K J 1/10W | | R234,235 | | | RK73GB2A473J | CHIP R 47K J 1/10W | |
| R128-130 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | | R237 | | | RK73GB2A473J | CHIP R 47K J 1/10W | |
| R131-133 | | | RK73GB2A473J | CHIP R 47K J 1/10W | | R240-243 | | | RK73GB2A473J | CHIP R 47K J 1/10W | |
| R135 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | | R245,246 | | | RK73GB2A472J | CHIP R 4.7K J 1/10W | |
| R137 | | | RK73GB2A102J | CHIP R 1.0K J 1/10W | | R247 | | | RK73GB2A473J | CHIP R 47K J 1/10W | |
| R138 | | | RK73GB2A473J | CHIP R 47K J 1/10W | | R249,250 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | |
| R141-144 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | | R251 | | | RK73GB2A473J | CHIP R 47K J 1/10W | |
| R145 | | | RK73GB2A104J | CHIP R 100K J 1/10W | | R254 | | | RK73GB2A473J | CHIP R 47K J 1/10W | |
| R146-148 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | | R261,262 | | | RK73GB2A473J | CHIP R 47K J 1/10W | |
| R149 | | | RK73GB2A333J | CHIP R 33K J 1/10W | | R267-271 | | | RK73GB2A473J | CHIP R 47K J 1/10W | |
| R150 | | | RK73GB2A563J | CHIP R 56K J 1/10W | | R273 | | | RK73GB2A473J | CHIP R 47K J 1/10W | |
| R151 | | | RK73GB2A124J | CHIP R 120K J 1/10W | | R275 | | | RK73GB2A473J | CHIP R 47K J 1/10W | |
| R152 | | | RK73GB2A104J | CHIP R 100K J 1/10W | | R277 | | | RK73GB2A473J | CHIP R 47K J 1/10W | |

PARTS LIST

CONTROL UNIT (X53-4130-10)

| Ref. No. | Address | New parts | Parts No. | Description | Destination | Ref. No. | Address | New parts | Parts No. | Description | Destination |
|----------|---------|-----------|--------------|---------------------|-------------|----------|---------|-----------|--------------------|---------------------|-------------|
| R279 | | | RK73GB2A103J | CHIP R 10K J 1/10W | | R522,523 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | |
| R281 | | | RK73GB2A103J | CHIP R 10K J 1/10W | | R524,525 | | | RK73GB2A473J | CHIP R 47K J 1/10W | |
| R283 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | | R526,527 | | | RK73GB2A121J | CHIP R 120 J 1/10W | |
| R286-288 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | | R528-535 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | |
| R289 | | | RK73GB2A473J | CHIP R 47K J 1/10W | | R536 | | | RK73GB2A104J | CHIP R 100K J 1/10W | |
| R290 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | | R540 | | | RK73GB2A222J | CHIP R 2.2K J 1/10W | |
| R292-294 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | | R541 | | | RK73GB2A123J | CHIP R 12K J 1/10W | |
| R296,297 | | | RK73GB2A473J | CHIP R 47K J 1/10W | | R550 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | |
| R299,300 | | | RK73GB2A103J | CHIP R 10K J 1/10W | | R551 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | |
| R301,302 | | | RK73GB2A104J | CHIP R 100K J 1/10W | | D1,2 | | | CMS05-Q | DIODE | |
| R303-315 | | | RK73GB2A473J | CHIP R 47K J 1/10W | | D3,4 | | | DA204U | DIODE | |
| R316-338 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | | D5 | | | 1SS355 | DIODE | |
| R340 | | | RK73GB2A102J | CHIP R 1.0K J 1/10W | | D6 | * | | 02DZ18F-X | ZENER DIODE | |
| R342-351 | | | RK73GB2A102J | CHIP R 1.0K J 1/10W | | D7-11 | | | DA204U | DIODE | |
| R352 | | | RK73GB2A471J | CHIP R 470 J 1/10W | | D12 | | | 1SS355 | DIODE | |
| R353-357 | | | RK73GB2A102J | CHIP R 1.0K J 1/10W | | D13 | * | | 02DZ18F-X | ZENER DIODE | |
| R358 | | | RK73GB2A122J | CHIP R 1.2K J 1/10W | | D14-18 | | | DA204U | DIODE | |
| R359 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | | D20 | | | DA204U | DIODE | |
| R360 | | | RK73GB2A122J | CHIP R 1.2K J 1/10W | | D23 | | | DA204U | DIODE | |
| R361-377 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | | D24 | | | SMD185F-2 | VARIATOR | |
| R378,379 | | | RK73GB2A122J | CHIP R 1.2K J 1/10W | | D25 | | | MINISMDC020F | VARIATOR | |
| R380 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | | D26 | | | 1SS388F | DIODE | |
| R389-396 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | | D28 | | | 1SS355 | DIODE | |
| R398-404 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | | D29 | * | | 02DZ18F-X | ZENER DIODE | |
| R406-409 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | | D30 | | | 1SS355 | DIODE | |
| R410 | | | RK73GB2A684J | CHIP R 680K J 1/10W | | D31 | * | | 02DZ18F-X | ZENER DIODE | |
| R411 | | | RK73GB2A224J | CHIP R 220K J 1/10W | | D32 | | | 1SS355 | DIODE | |
| R412 | | | RK73GB2A103J | CHIP R 10K J 1/10W | | D33 | * | | 02DZ18F-X | ZENER DIODE | |
| R413 | | | RK73GB2A104J | CHIP R 100K J 1/10W | | D36,37 | | | DA204U | DIODE | |
| R414 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | | D38,39 | | | 1SS388F | DIODE | |
| R415-418 | | | RK73GB2A104J | CHIP R 100K J 1/10W | | IC1 | | | BU4094BCFV | MOS-IC | |
| R419,420 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | | IC2,3 | | | BU4053BCFV | MOS-IC | |
| R426 | | | RS14KB3D220J | FL-PROOF RS 22 J 2W | | IC4 | | | AK4550VTP | MOS-IC | |
| R428-430 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | | IC5 | | | NJM2732V | BI-POLAR IC | |
| R432 | | | RK73GB2A470J | CHIP R 47 J 1/10W | | IC6 | | | XC6209B332PR | MOS-IC | |
| R433 | | | RK73GB2A473J | CHIP R 47K J 1/10W | | IC7 | | | TA75S01F-F | MOS-IC | |
| R434 | | | RK73GB2A470J | CHIP R 47 J 1/10W | | IC8 | | | M62364FP-F | MOS-IC | |
| R435 | | | RK73GB2A473J | CHIP R 47K J 1/10W | | IC9 | * | | NJM2734V | BI-POLAR IC | |
| R436-446 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | | IC10,11 | | | NJM2340RB1 | MOS-IC | |
| R448-454 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | | IC12 | | | NJM2732V | BI-POLAR IC | |
| R455 | | | RK73GB2A104J | CHIP R 100K J 1/10W | | IC14 | | | BU4053BCFV | MOS-IC | |
| R457 | | | RK73GB2A473J | CHIP R 47K J 1/10W | | IC15 | | | BA33BC0FP | MOS-IC | |
| R458,459 | | | RK73GB2A104J | CHIP R 100K J 1/10W | | IC16 | | | XC6209B502PR | MOS-IC | |
| R460,461 | | | RK73GB2A103J | CHIP R 10K J 1/10W | | IC17 | * | | Note1 (BGA) | ROM IC | |
| R467,468 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | | IC18 | | | XC6201P182MR | MOS-IC | |
| R469 | | | RK73GB2A103J | CHIP R 10K J 1/10W | | IC19 | | | NJM2732V | BI-POLAR IC | |
| R470 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | | IC20,21 | * | | NJM2734V | BI-POLAR IC | |
| R471-473 | | | RK73GB2A104J | CHIP R 100K J 1/10W | | IC22 | | | BU4094BCFV | MOS-IC | |
| R474 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | | IC23 | | | TC7SH00FU-F | MOS-IC | |
| R475 | | | RK73GB2A104J | CHIP R 100K J 1/10W | | IC25 | | | TC7S66FUF | MOS-IC | |
| R477 | | | RK73GB2A104J | CHIP R 100K J 1/10W | | IC27 | | | TC7SET126FU-F | MOS-IC | |
| R478 | | | RK73GB2A103J | CHIP R 10K J 1/10W | | IC28 | | | TC7SH126FU-F | MOS-IC | |
| R479 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | | IC29 | | | LA4425A | MOS-IC | |
| R482 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | | IC30 | 2C | | TC7SH00FU-F | MOS-IC | |
| R484 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | | IC31 | | | TC7MH4040FK-F | MOS-IC | |
| R491-495 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | | IC32,33 | | | TC7SH126FU-F | MOS-IC | |
| R501 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | | IC34 | * | | 30625MGP490GU | MICRO CONTROL UNIT | |
| R502 | | | RK73GB2A183J | CHIP R 18K J 1/10W | | IC35 | | | S24CS02AFJTBG | ROM IC | |
| R507-510 | | | RK73GB2A183J | CHIP R 18K J 1/10W | | IC36 | | | TC7MET541AFK | MOS-IC | |
| R511-515 | | | RK73GB2A123J | CHIP R 12K J 1/10W | | | | | | | |

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

PARTS LIST

CONTROL UNIT (X53-4130-10)

RX UNIT (X55-3100-13)

| Ref. No. | Address | New parts | Parts No. | Description | Destination | Ref. No. | Address | New parts | Parts No. | Description | Destination |
|---|---------|-----------|---------------|--------------------|-------------|----------|---------|-----------|---------------|-------------|-------------|
| IC37 | | | 320VC5402PGE | MICRO CONTROL UNIT | | C44 | | | CK73GB1H103K | CHIP C | 0.010UF K |
| IC38 | | | TC7SET08FU-F | MOS-IC | | C45 | | | CK73GB1H104K | CHIP C | 0.10UF K |
| IC39 | | | TC7SH125FU-F | MOS-IC | | C46 | | | CC73GCH1H561J | CHIP C | 560PF J |
| IC40 | | | TC7SH126FU-F | MOS-IC | | C47 | | | CC73GCH1H471J | CHIP C | 470PF J |
| IC41 | | | TC7SH08FU-F | MOS-IC | | C48 | | | CK73GB1H104K | CHIP C | 0.10UF K |
| IC50 | | | TC7SH08FU-F | MOS-IC | | C50 | | | CE32BM1E470M | CHIP EL | 47UF 25WV |
| Q1 | | * | RT1N141M-T111 | TRANSISTOR | | C51 | | | CK73GB1H104K | CHIP C | 0.10UF K |
| Q2,3 | | | 2SJ506-E(S) | FET | | C53 | | | CC73GCH1H271J | CHIP C | 270PF J |
| Q4,5 | | * | 2SC4738F | TRANSISTOR | | C54 | | | CC73GCH1H101J | CHIP C | 100PF J |
| Q6 | | | DTC363EU | DIGITAL TRANSISTOR | | C55 | | | CC73GCH1H080B | CHIP C | 8.0PF B |
| Q7,8 | | * | RT1N141M-T111 | TRANSISTOR | | C56 | | | CC73GCH1H271J | CHIP C | 270PF J |
| Q9 | | | 2SJ506-E(S) | FET | | C58 | * | | CS77CB21C220M | CHIP TNTL | 22UF 16WV |
| Q10 | | * | 2SC4738F | TRANSISTOR | | C59 | | | CK73GB1H104K | CHIP C | 0.10UF K |
| Q11 | | | 2SD2114K(W) | TRANSISTOR | | C60,61 | | | CC73GCH1H471J | CHIP C | 470PF J |
| Q12 | | * | 2SC4738F | TRANSISTOR | | C62-66 | | | CK73GB1H104K | CHIP C | 0.10UF K |
| Q13 | | | 2SD2114K(W) | TRANSISTOR | | C67 | * | | CS77CB21C220M | CHIP TNTL | 22UF 16WV |
| Q14 | | | 2SC4116(Y)F | TRANSISTOR | | C68 | | | CC73GCH1H101J | CHIP C | 100PF J |
| Q15 | | | 2SA1586(Y)F | TRANSISTOR | | C69 | | | CC73GCH1H471J | CHIP C | 470PF J |
| Q16 | | | 2SC4116(Y)F | TRANSISTOR | | C70 | * | | CS77CC1C330M | CHIP TNTL | 33UF 16WV |
| Q17 | | | 2SA1586(Y)F | TRANSISTOR | | C74 | | | CC73GCH1H100C | CHIP C | 10PF C |
| Q18 | | | 2SK1830F | FET | | C75 | * | | CS77CC1C330M | CHIP TNTL | 33UF 16WV |
| Q19 | | | HN1L02FU(F) | FET | | C76 | | | CC73GCH1H330J | CHIP C | 33PF J |
| Q20 | | | 2SA1955A-F | TRANSISTOR | | C77 | | | CK73GB1H104K | CHIP C | 0.10UF K |
| Q21 | | | RT1N441M-T111 | TRANSISTOR | | C79 | | | CS77BA1E010M | CHIP TNTL | 1.0UF 25WV |
| Q22 | | | 2SA1955A-F | TRANSISTOR | | C81 | | | CK73GB1H104K | CHIP C | 0.10UF K |
| Q23 | | | RT1N441M-T111 | TRANSISTOR | | C83-85 | | | CC73GCH1H471J | CHIP C | 470PF J |
| Q25,26 | | | RT1N441M-T111 | TRANSISTOR | | C86 | | | CC73GCH1H100C | CHIP C | 10PF C |
| Q27-29 | | | 2SD2114K(W) | TRANSISTOR | | C87 | | | CK73GB1H104K | CHIP C | 0.10UF K |
| CONTROL UNIT (X53-4140-10) | | | | | | C88 | | | CK73GB1H103K | CHIP C | 0.010UF K |
| Refer to B51-8795-00 or B51-8827-00 service manual. | | | | | | C89 | | | CC73GCH1H150G | CHIP C | 15PF G |
| RX UNIT (X55-3100-13) | | | | | | C90 | | | CK73GB1H103K | CHIP C | 0.010UF K |
| D21 | | | B30-2230-05 | LED (1608/YG/8) | | C91 | | | CC73GCH1H220G | CHIP C | 22PF G |
| C7 | | | CC73GCH1H471J | CHIP C | 470PF J | C92,93 | | | CC73FCH1H050B | CHIP C | 5.0PF B |
| C10 | | | CC73GCH1H080B | CHIP C | 8.0PF B | C94 | | | CC73FCH1H050B | CHIP C | 5.0PF B |
| C12 | | | CC73GCH1H100C | CHIP C | 10PF C | C95 | | | CC73FCH1H040B | CHIP C | 4.0PF B |
| C14 | | | CC73GCH1H471J | CHIP C | 470PF J | C96 | | | CE32BM1E470M | CHIP EL | 47UF 25WV |
| C15 | | | CK73GB1H104K | CHIP C | 0.10UF K | C97 | | | CK73GB1H104K | CHIP C | 0.10UF K |
| C17 | | | CC73GCH1H471J | CHIP C | 470PF J | C98,99 | | | CC73GCH1H471J | CHIP C | 470PF J |
| C18 | | | CK73GB1H104K | CHIP C | 0.10UF K | C100 | | | CK73GB1H103K | CHIP C | 0.010UF K |
| C19 | | | CC73GCH1H471J | CHIP C | 470PF J | C102 | | | CC73GCH1H471J | CHIP C | 470PF J |
| C24 | | | CC73GCH1H471J | CHIP C | 470PF J | C103 | | | CC73GCH1H060D | CHIP C | 6.0PF D |
| C25 | | | CK73GB1H104K | CHIP C | 0.10UF K | C104 | | | CC73GCH1H471J | CHIP C | 470PF J |
| C26 | | | CC73GCH1H471J | CHIP C | 470PF J | C105,106 | | | CC73FCH1H060B | CHIP C | 6.0PF B |
| C27 | | | CK73GB1H102K | CHIP C | 1000PF K | C107 | | | CC73GCH1H330J | CHIP C | 33PF J |
| C32 | | | CC73GCH1H151J | CHIP C | 150PF J | C108 | | | CC73GCH1H560J | CHIP C | 56PF J |
| C33 | | | CC73GCH1H271J | CHIP C | 270PF J | C109,110 | | | CK73GB1H103K | CHIP C | 0.010UF K |
| C34,35 | | | CC73GCH1H471J | CHIP C | 470PF J | C112 | | | CC73GCH1H220J | CHIP C | 22PF J |
| C36 | | | CK73GB1H102K | CHIP C | 1000PF K | C113,114 | | | CC73FCH1H060B | CHIP C | 5.0PF B |
| C37 | | | CK73FB1E224K | CHIP C | 0.22UF K | C115 | | | CC73GCH1H120J | CHIP C | 12PF J |
| C38 | | | CS77CA1VR33M | CHIP TNTL | 0.33UF 35WV | C116 | | | CC73GCH1H560J | CHIP C | 56PF J |
| C39 | | | CC73GCH1H271J | CHIP C | 270PF J | C117 | | | CC73GCH1H121J | CHIP C | 120PF J |
| C41,42 | | | CC73GCH1H471J | CHIP C | 470PF J | C118-120 | | | CC73GCH1H471J | CHIP C | 470PF J |
| C43 | | | CC73GCH1H561J | CHIP C | 560PF J | C122 | | | CC73GCH1H120J | CHIP C | 12PF J |
| | | | | | | C123,124 | | | CC73FCH1H070B | CHIP C | 7.0PF B |
| | | | | | | C125 | | | CC73GCH1H120J | CHIP C | 12PF J |
| | | | | | | C126 | | | CK73GB1H104K | CHIP C | 0.10UF K |
| | | | | | | C128 | | | CC73GCH1H560J | CHIP C | 56PF J |
| | | | | | | C129,130 | | | CK73GB1H103K | CHIP C | 0.010UF K |
| | | | | | | C131 | * | | CS77CC1C330M | CHIP TNTL | 33UF 16WV |
| | | | | | | C132-134 | | | CC73GCH1H471J | CHIP C | 470PF J |

PARTS LIST

RX UNIT (X55-3100-13)

| Ref. No. | Address | New parts | Parts No. | Description | Desti-nation | Ref. No. | Address | New parts | Parts No. | Description | Desti-nation |
|----------|---------|-----------|---------------|--------------------|--------------|----------|---------|-----------|---------------|----------------------|--------------|
| C137 | | | CC73GCH1H060D | CHIP C 6.0PF D | | C236 | | | CK73GB1H104K | CHIP C 0.10UF K | |
| C138 | | | CC73GCH1H220J | CHIP C 22PF J | | C237 | | | CK73GB1H102K | CHIP C 1000PF K | |
| C139 | | | CE32BM1E470M | CHIP EL 47UF 25WV | | C238 | | | CC73GCH1H090D | CHIP C 9.0PF D | |
| C140,141 | | | CK73GB1H103K | CHIP C 0.010UF K | | C239 | | | CE32AU1C330M | CHIP EL 33UF 16WV | |
| C142,143 | | | CC73FCH1HOR5C | CHIP C 0.5PF C | | C240 | | | CS77CB21C100M | CHIP TNL 10UF 16WV | |
| C144-146 | | | CK73GB1H104K | CHIP C 0.10UF K | | C241,242 | | | CC73GCH1H150J | CHIP C 15PF J | |
| C147 | | * | CS77CC1C330M | CHIP TNL 33UF 16WV | | C243 | | | CC73GCH1H820J | CHIP C 82PF J | |
| C151 | | | CC73GCH1H120J | CHIP C 12PF J | | C244 | | | CC73GCH1H100D | CHIP C 10PF D | |
| C152 | | | CC73GCH1H180J | CHIP C 18PF J | | C245 | | | CK73GB1H102K | CHIP C 1000PF K | |
| C153 | | | CC73GCH1H220J | CHIP C 22PF J | | C248 | | | CC73GCH1H471J | CHIP C 470PF J | |
| C154,155 | | | CK73GB1H104K | CHIP C 0.10UF K | | C249 | | | CC73GCH1H080D | CHIP C 8.0PF D | |
| C156 | | | CC73GCH1H100C | CHIP C 10PF C | | C250,251 | | | CK73GB1H104K | CHIP C 0.10UF K | |
| C157,158 | | | CC73GCH1H471J | CHIP C 470PF J | | C252 | | | CC73GCH1H151J | CHIP C 150PF J | |
| C159,160 | | | CK73GB1H104K | CHIP C 0.10UF K | | C253 | | | CC73GCH1H010C | CHIP C 1.0PF C | |
| C161 | | | CC73GCH1H180J | CHIP C 18PF J | | C254 | | | CC73GCH1H030C | CHIP C 3.0PF C | |
| C162 | | | CC73GCH1H220J | CHIP C 22PF J | | C255 | | | CK73GB1H104K | CHIP C 0.10UF K | |
| C163 | | | CC73GCH1H020B | CHIP C 2.0PF B | | C256 | | | CK73GB1H102K | CHIP C 1000PF K | |
| C164 | | | CK73GB1H104K | CHIP C 0.10UF K | | C257 | | | CK73GB1H103K | CHIP C 0.010UF K | |
| C165 | | | CS77CB21C100M | CHIP TNL 10UF 16WV | | C258 | | | CK73GB1H473K | CHIP C 0.047UF K | |
| C168 | | | CC73GCH1H471J | CHIP C 470PF J | | C260 | | | CC73GCH1H471J | CHIP C 470PF J | |
| C169 | | | CC73GCH1H120J | CHIP C 12PF J | | C261 | | | CK73GB1H103K | CHIP C 0.010UF K | |
| C170,171 | | | CK73GB1H104K | CHIP C 0.10UF K | | C262,263 | | | CK73GB1H102K | CHIP C 1000PF K | |
| C172 | | | CK73GB1H473K | CHIP C 0.047UF K | | C264 | | | CS77CA1ER47M | CHIP TNL 0.47UF 25WV | |
| C173,174 | | | CK73GB1H103K | CHIP C 0.010UF K | | C265 | | | CC73GCH1H470J | CHIP C 47PF J | |
| C175 | | | CC73GCH1H101J | CHIP C 100PF J | | C266,267 | | | CC73GCH1H471J | CHIP C 470PF J | |
| C176 | | | CK73GB1H104K | CHIP C 0.10UF K | | C268,269 | | | CK73GB1H473K | CHIP C 0.047UF K | |
| C177-179 | | | CC73GCH1H471J | CHIP C 470PF J | | C270 | | * | CS77CA1DR68M | CHIP TNL 0.68UF 20WV | |
| C180 | | | CK73GB1H104K | CHIP C 0.10UF K | | C271 | | | CC73GCH1H471J | CHIP C 470PF J | |
| C183 | | | CE32AU1E100M | CHIP EL 10UF 25WV | | C272 | | | CK73GB1H104K | CHIP C 0.10UF K | |
| C185,186 | | | CC73GCH1H471J | CHIP C 470PF J | | C273 | | | CC73GCH1H220J | CHIP C 22PF J | |
| C187 | | | CC73GCH1H220J | CHIP C 22PF J | | C274 | | | CK73GB1H473K | CHIP C 0.047UF K | |
| C188 | | | CK73GB1H103K | CHIP C 0.010UF K | | C277 | | | CK73GB1H102K | CHIP C 1000PF K | |
| C192 | | | CC73GCH1H471J | CHIP C 470PF J | | C278 | | | CC73GCH1H080D | CHIP C 8.0PF D | |
| C193 | | | CK73GB1H104K | CHIP C 0.10UF K | | C279 | | | CK73GB1H473K | CHIP C 0.047UF K | |
| C194 | | | CC73GCH1H080D | CHIP C 8.0PF D | | C280 | | | CC73GCH1H080B | CHIP C 8.0PF B | |
| C195 | | | CC73GCH1H471J | CHIP C 470PF J | | C281 | | | CC73GCH1H030B | CHIP C 3.0PF B | |
| C196,197 | | | CK73GB1H103K | CHIP C 0.010UF K | | C282 | | * | CS77CB21C150M | CHIP TNL 15UF 16WV | |
| C198 | | | CC73GCH1H471J | CHIP C 470PF J | | C284 | | | CK73GB1H473K | CHIP C 0.047UF K | |
| C199 | | | CK73GB1H103K | CHIP C 0.010UF K | | C285 | | | CC73GCH1H471J | CHIP C 470PF J | |
| C203-205 | | | CC73GCH1H471J | CHIP C 470PF J | | 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 | | C295 | | | CK73GB1H102K | CHIP C 1000PF K | |
| C215 | | | CK73GB1H103K | CHIP C 0.010UF K | | C296 | | * | CS77CA1DR68M | CHIP TNL 0.68UF 20WV | |
| C216 | | | CK73GB1H473K | CHIP C 0.047UF K | | C297 | | | CC73GCH1H120J | CHIP C 12PF J | |
| C217 | | | CK73GB1H104K | CHIP C 0.10UF K | | C298 | | | CK73GB1H102K | CHIP C 1000PF K | |
| C218 | | | CK73GB1H473K | CHIP C 0.047UF K | | C300 | | | CC73GCH1H220G | CHIP C 22PF G | |
| C220 | | | CC73GCH1H040C | CHIP C 4.0PF C | | C301 | | | CK73GB1H473K | CHIP C 0.047UF K | |
| C221,222 | | | CK73GB1H104K | CHIP C 0.10UF K | | C302 | | | CC73GCH1H100D | CHIP C 10PF D | |
| C223 | | | CK73GB1H103K | CHIP C 0.010UF K | | C303,304 | | | CK73GB1H473K | CHIP C 0.047UF K | |
| C224 | | | CK73GB1H104K | CHIP C 0.10UF K | | C306 | | | CK73GB1H102K | CHIP C 1000PF K | |
| C225 | | | CK73GB1H473K | CHIP C 0.047UF K | | C307,308 | | | CK73GB1H103K | CHIP C 0.010UF K | |
| C227 | | | CC73GCH1H471J | CHIP C 470PF J | | C309 | | | CC73GCH1H471J | CHIP C 470PF J | |
| C228,229 | | | CK73FB1E474K | CHIP C 0.47UF K | | C310 | | | CK73GB1H102K | CHIP C 1000PF K | |
| C230 | | | CC73GCH1H820J | CHIP C 82PF J | | C311 | | | CC73GCH1H080D | CHIP C 8.0PF D | |
| C231 | | | CK73GB1H473K | CHIP C 0.047UF K | | C314 | | | CK73GB1H104K | CHIP C 0.10UF K | |
| C232 | | | CC73GCH1H470J | CHIP C 47PF J | | C315 | | | CC73GCH1H270G | CHIP C 27PF G | |
| C233 | | | CK73GB1H473K | CHIP C 0.047UF K | | C316 | | | CK73GB1H473K | CHIP C 0.047UF K | |
| C234,235 | | | CC73GCH1H270J | CHIP C 27PF J | | C317 | | | CC73GCH1H151J | CHIP C 150PF J | |

PARTS LIST

RX UNIT (X55-3100-13)

| Ref. No. | Address | New parts | Parts No. | Description | Destination | Ref. No. | Address | New parts | Parts No. | Description | Destination |
|----------|---------|-----------|---------------|---------------------|-------------|----------|---------|-----------|---------------|-------------------|-------------|
| C318,319 | | | CK73GB1H103K | CHIP C 0.010UF K | | C410 | | | CK73GB1H104K | CHIP C 0.10UF K | |
| C320 | | | CE32BM1E470M | CHIP EL 47UF 25WV | | C411 | | | CC73GCH1H121J | CHIP C 120PF J | |
| C324 | | | CC73GCH1H471J | CHIP C 470PF J | | C412 | | | CK73GB1H104K | CHIP C 0.10UF K | |
| C325 | | | CC73GCH1H270G | CHIP C 27PF G | | C413 | | | CK73GB1H103K | CHIP C 0.010UF K | |
| C326 | | | CC73GCH1H151J | CHIP C 150PF J | | C414 | | | CK73GB1H104K | CHIP C 0.10UF K | |
| C327 | | | CK73GB1H102K | CHIP C 1000PF K | | C415,416 | | | CK73GB1H103K | CHIP C 0.010UF K | |
| C329 | | | CK73GB1H103K | CHIP C 0.010UF K | | C417 | | | CK73GB1H104K | CHIP C 0.10UF K | |
| C330 | | | CK73GB1H102K | CHIP C 1000PF K | | C418,419 | | | CK73GB1H103K | CHIP C 0.010UF K | |
| C331 | | | CC73GCH1H020B | CHIP C 2.0PF B | | C420 | | | CK73GB1H102K | CHIP C 1000PF K | |
| C332 | | | CK73GB1H104K | CHIP C 0.10UF K | | C421,422 | | | CK73GB1H473K | CHIP C 0.047UF K | |
| C333 | | | CC73GCH1H151J | CHIP C 150PF J | | C423,424 | | | CK73GB1H103K | CHIP C 0.010UF K | |
| C334,335 | | | CK73GB1H103K | CHIP C 0.010UF K | | C425 | | | CK73GB1H104K | CHIP C 0.10UF K | |
| C336 | | | CC73GCH1H471J | CHIP C 470PF J | | C427 | | | CK73FB1E474K | CHIP C 0.47UF K | |
| C337 | | | CC73GCH1H560J | CHIP C 56PF J | | C428,429 | | | CC73GCH1H560J | CHIP C 56PF J | |
| C340 | | * | CS77CC1C330M | CHIP TNTL 33UF 16WV | | C430 | | | CK73GB1H102K | CHIP C 1000PF K | |
| C341,342 | | | CK73GB1H473K | CHIP C 0.047UF K | | C431 | | | CK73GB1H473K | CHIP C 0.047UF K | |
| C343 | | | CC73GCH1H220J | CHIP C 22PF J | | C432 | | | CK73GB1H102K | CHIP C 1000PF K | |
| C347,348 | | | CK73GB1H103K | CHIP C 0.010UF K | | C434,435 | | | CK73GB1H473K | CHIP C 0.047UF K | |
| C349 | | | CC73GCH1H680J | CHIP C 68PF J | | C437 | | | CK73GB1H102K | CHIP C 1000PF K | |
| C350 | | * | CS77CC1C330M | CHIP TNTL 33UF 16WV | | C438 | | | CK73GB1H473K | CHIP C 0.047UF K | |
| C351 | | | CK73GB1H102K | CHIP C 1000PF K | | C439 | | | CK73GB1H104K | CHIP C 0.10UF K | |
| C352 | | | CK73GB1H473K | CHIP C 0.047UF K | | C440-442 | | | CK73FB1E474K | CHIP C 0.47UF K | |
| C353 | | | CK73GB1H102K | CHIP C 1000PF K | | C443,444 | | | CK73GB1H473K | CHIP C 0.047UF K | |
| C355 | | | CK73GB1H103K | CHIP C 0.010UF K | | C446 | | | CE32AU1E100M | CHIP EL 10UF 25WV | |
| C356 | | | CK73GB1H473K | CHIP C 0.047UF K | | C447 | | | CK73FB1E474K | CHIP C 0.47UF K | |
| C357 | | | CK73GB1H103K | CHIP C 0.010UF K | | C448 | | | CK73GB1H104K | CHIP C 0.10UF K | |
| C358 | | | CK73GB1H473K | CHIP C 0.047UF K | | C449 | | | CK73GB1H473K | CHIP C 0.047UF K | |
| C359,360 | | | CC73GCH1H471J | CHIP C 470PF J | | C450,451 | | | CK73FB1E474K | CHIP C 0.47UF K | |
| C361 | | | CK73GB1H102K | CHIP C 1000PF K | | C452,453 | | | CK73GB1H104K | CHIP C 0.10UF K | |
| C362 | | | CC73GCH1H270J | CHIP C 27PF J | | C454,455 | | | CK73FB1E474K | CHIP C 0.47UF K | |
| C363 | | | CK73GB1H473K | CHIP C 0.047UF K | | C456 | | | CK73GB1H473K | CHIP C 0.047UF K | |
| C365,366 | | | CK73GB1H104K | CHIP C 0.10UF K | | C458 | | | CK73GB1H104K | CHIP C 0.10UF K | |
| C367,368 | | | CC73GCH1H330J | CHIP C 33PF J | | 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 100U 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 | |

PARTS LIST

RX UNIT (X55-3100-13)

| Ref. No. | Address | New parts | Parts No. | Description | Destination | Ref. No. | Address | New parts | Parts No. | Description | Destination |
|----------|---------|-----------|---------------|----------------------|-------------|----------|---------|-----------|---------------|--------------------------------|-------------|
| C506 | | | CK73GB1H102K | CHIP C 1000PF K | | C628 | | | CK73GB1H104K | CHIP C 0.10UF K | |
| C507 | | | CK73GB1H104K | CHIP C 0.10UF K | | C630 | | | CK73GB1H104K | CHIP C 0.10UF K | |
| C508 | | | CK73FBOJ106K | CHIP C 10UF K | | C652 | | | CK73GB1H104K | CHIP C 0.10UF K | |
| C509 | | | CC73GCH1H101J | CHIP C 100PF J | | C655 | | | CK73FBOJ106K | CHIP C 10UF K | |
| C510 | | | CK73GB1H104K | CHIP C 0.10UF K | | C657 | | | CC73GCH1H270J | CHIP C 27PF J | |
| C516 | | | CK73GB1H473K | CHIP C 0.047UF K | | C658 | | | CK73FB1E474K | CHIP C 0.47UF K | |
| C517 | | | CK73FBOJ106K | CHIP C 10UF K | | C659 | | | CC73GCH1H101J | CHIP C 100PF J | |
| C518 | | | CK73GB1H104K | CHIP C 0.10UF K | | C660 | | | CC73GCH1H050C | CHIP C 5.0PF C | |
| C519 | | | CC73GCH1H471J | CHIP C 470PF J | | C661 | | | CK73GB1H104K | CHIP C 0.10UF K | |
| C520 | | | CK73GB1H103K | CHIP C 0.010UF K | | C671 | | | CK73GB1H104K | CHIP C 0.10UF K | |
| C521 | | | CK73GB1H104K | CHIP C 0.10UF K | | C677 | | | CK73GB1H104K | CHIP C 0.10UF K | |
| C522 | | | CK73GB1H103K | CHIP C 0.010UF K | | CN1-4 | | | E23-1280-05 | TERMINAL | |
| C523 | | | CK73GB1H104K | CHIP C 0.10UF K | | CN5 | | | E04-0460-05 | RF COAXIAL RECEPTACLE (SMB) | |
| C524 | | | CK73FB1H333K | CHIP C 0.033UF K | | CN6 | | | E41-2735-05 | PIN ASSY | |
| C527 | | | CK73GB1H104K | CHIP C 0.10UF K | | CN8-35 | | | E23-1280-05 | TERMINAL | |
| C532 | | | CK73GB1H104K | CHIP C 0.10UF K | | CN36 | | | E41-2735-05 | PIN ASSY | |
| C533-536 | | | CE32CL1V100M | CHIP EL 10UF 35WV | | CN38,39 | | | E23-1280-05 | TERMINAL | |
| C537-540 | | | CC73GCH1H471J | CHIP C 470PF J | | CN41 | | | E04-0154-05 | PIN SOCKET | |
| C541,542 | | | CK73GB1H104K | CHIP C 0.10UF K | | CN42 | | | E40-6656-05 | PIN ASSY | |
| C543 | | | CK73GB1H473K | CHIP C 0.047UF K | | CN43 | | | E04-0193-05 | PIN SOCKET | |
| C544 | | | CC73GCH1H470J | CHIP C 47PF J | | CN44 | | | E41-2672-05 | PIN ASSY | |
| C545-548 | | | CC73GCH1H471J | CHIP C 470PF J | | CN45 | | | E04-0193-05 | PIN SOCKET | |
| C549 | | | CC73GCH1H470J | CHIP C 47PF J | | CN46,47 | | | E41-2735-05 | PIN ASSY | |
| C550-553 | | | CK73GB1H103K | CHIP C 0.010UF K | | CN61,62 | | | E23-1280-05 | TERMINAL | |
| C554 | | | CK73GB1H473K | CHIP C 0.047UF K | | CN69 | | | E23-1330-05 | TERMINAL | |
| C555 | | | CE32BM1V220M | CHIP EL 22UF 35WV | | E1 | | | F10-2379-04 | SHIELDING CASE | |
| C556 | | | CC73GCH1H471J | CHIP C 470PF J | | E2 | | | F10-2409-04 | SHIELDING CASE | |
| C557 | | | CK73GB1H473K | CHIP C 0.047UF K | | E3 | | | F10-3080-04 | SHIELDING CASE | |
| C558 | | | CC73GCH1H471J | CHIP C 470PF J | | CF1 | | | L72-1019-05 | CERAMIC FILTER | |
| C559 | | | CK73GB1H104K | CHIP C 0.10UF K | | CF2 | | | L72-1028-05 | CERAMIC FILTER | |
| C560,561 | | | CC73GCH1H471J | CHIP C 470PF J | | CF3,4 | | | L72-1027-05 | CERAMIC FILTER | |
| C562 | | | CK73GB1H473K | CHIP C 0.047UF K | | CF5,6 | | | L72-1028-05 | CERAMIC FILTER | |
| C563 | | | CC73GCH1H471J | CHIP C 470PF J | | CF7 | | | L72-1027-05 | CERAMIC FILTER | |
| C564 | | | CK73GB1H103K | CHIP C 0.010UF K | | L2 | | | L34-4616-05 | AIR-CORE COIL | |
| C565 | | | CC73GCH1H471J | CHIP C 470PF J | | L5 | | | L34-4604-15 | AIR-CORE COIL | |
| C566 | | | CK73GB1H473K | CHIP C 0.047UF K | | L8,9 | | | L41-1075-33 | SMALL FIXED INDUCTOR (0.01UH) | |
| C567 | | | CE32CL1V100M | CHIP EL 10UF 35WV | | L10 | | | L41-6885-33 | SMALL FIXED INDUCTOR (0.68UH) | |
| C568 | | | CC73GCH1H470J | CHIP C 47PF J | | L11 | | | L41-1295-33 | SMALL FIXED INDUCTOR (1.2UH) | |
| C569 | | | CC73GCH1H471J | CHIP C 470PF J | | L12 | | | L34-4605-15 | AIR-CORE COIL | |
| C570 | | | CC73GCH1H470J | CHIP C 47PF J | | L13 | | | L41-1295-33 | SMALL FIXED INDUCTOR (1.2UH) | |
| C571 | | | C92-0904-05 | OS-CON 22UF 35WV | | L14 | | | L41-1805-33 | SMALL FIXED INDUCTOR (18UH) | |
| C572,573 | | | CK73GB1H103K | CHIP C 0.010UF K | | L16 | | | L41-2705-33 | SMALL FIXED INDUCTOR (27UH) | |
| C574-576 | | | CK73GB1H104K | CHIP C 0.10UF K | | L17,18 | | | L41-1098-40 | SMALL FIXED INDUCTOR (1.0UH) | |
| C577 | | | CK73GB1H103K | CHIP C 0.010UF K | | L20 | | | L41-2705-33 | SMALL FIXED INDUCTOR (27UH) | |
| C578 | | | CC73GCH1H151J | CHIP C 150PF J | | L21,22 | | | L41-1098-40 | SMALL FIXED INDUCTOR (1.0UH) | |
| C579 | | | CC73GCH1H560J | CHIP C 56PF J | | L23 | | | L41-2705-33 | SMALL FIXED INDUCTOR (27UH) | |
| C580-582 | | | CK73GB1H103K | CHIP C 0.010UF K | | L26 | | | L41-1095-33 | SMALL FIXED INDUCTOR (1.0UH) | |
| C583 | | | CK73GB1H102K | CHIP C 1000PF K | | L27 | | | L41-1098-40 | SMALL FIXED INDUCTOR (1000NH) | |
| C584 | | | CK73GB1H103K | CHIP C 0.010UF K | | L28 | | | L34-4891-05 | AIR-CORE COIL | |
| C585 | | | CK73GB1H102K | CHIP C 1000PF K | | L29 | | | L41-1098-40 | SMALL FIXED INDUCTOR (1000NH) | |
| C586 | | | CC73GCH1H471J | CHIP C 470PF J | | L30 | | | L34-4891-05 | AIR-CORE COIL | |
| C587-590 | | | CK73FB1E474K | CHIP C 0.47UF K | | L31 | | | L41-2275-33 | SMALL FIXED INDUCTOR (0.022UH) | |
| C591 | | | CK73GB1H102K | CHIP C 1000PF K | | L32 | | | L41-8275-33 | SMALL FIXED INDUCTOR (0.082UH) | |
| C618 | | | CC73GCH1H101J | CHIP C 100PF J | | L33 | | | L41-2785-33 | SMALL FIXED INDUCTOR (0.27UH) | |
| C619 | | | CK73GB1H104K | CHIP C 0.10UF K | | L34 | | | L41-1205-33 | SMALL FIXED INDUCTOR (12UH) | |
| C620 | | | CK73GB1H102K | CHIP C 1000PF K | | L35 | | | L41-3395-33 | SMALL FIXED INDUCTOR (3.3UH) | |
| C621,622 | | | CK73GB1H104K | CHIP C 0.10UF K | | L36 | | | L41-2275-33 | SMALL FIXED INDUCTOR (0.022UH) | |
| C624 | | | CC73GCH1H101J | CHIP C 100PF J | | L37 | | | L41-1205-33 | SMALL FIXED INDUCTOR (12UH) | |
| C625 | | | CE32BM1E470M | CHIP EL 47UF 25WV | | | | | | | |
| C626 | | | CS77BA1E010M | CHIP TNTL 1.0UF 25WV | | | | | | | |

PARTS LIST

RX UNIT (X55-3100-13)

| Ref. No. | Address | New parts | Parts No. | Description | Destination | Ref. No. | Address | New parts | Parts No. | Description | Destination |
|----------|---------|-----------|-------------|--------------------------------|-------------|----------|---------|-----------|--------------|--------------------------------|-------------|
| L38 | | | L41-1095-33 | SMALL FIXED INDUCTOR (1.0UH) | | L119 | | | L41-2285-33 | SMALL FIXED INDUCTOR (0.22UH) | |
| L39 | | | L41-2275-33 | SMALL FIXED INDUCTOR (0.022UH) | | L120 | | | L41-8295-33 | SMALL FIXED INDUCTOR (8.2UH) | |
| L40,41 | | | L41-1098-40 | SMALL FIXED INDUCTOR (1.0UH) | | 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) | |
| L48 | | | L41-1095-33 | SMALL FIXED INDUCTOR (1.0UH) | | L127 | | | L41-8295-33 | SMALL FIXED INDUCTOR (8.2UH) | |
| L49 | | | L41-2705-33 | SMALL FIXED INDUCTOR (27UH) | | L128 | | | L34-4725-05 | COIL | |
| L50 | | | L41-2275-33 | SMALL FIXED INDUCTOR (0.022UH) | | L129,130 | | | L41-1005-33 | SMALL FIXED INDUCTOR (10UH) | |
| L51 | | | L92-0140-05 | CHIP FERRITE | | L131 | | | L41-5685-33 | SMALL FIXED INDUCTOR (0.56UH) | |
| L54 | | | L41-1075-33 | SMALL FIXED INDUCTOR (0.01UH) | | L132-135 | | * | L79-1941-05 | HELICAL BLOCK | |
| 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) | | L138-141 | | | L40-5681-37 | SMALL FIXED INDUCTOR (0.560UH) | |
| L57 | | | L41-1075-33 | SMALL FIXED INDUCTOR (0.01UH) | | XF1 | | | L71-0661-05 | MCF (49.95MHZ) | |
| L58,59 | | | L41-1885-33 | SMALL FIXED INDUCTOR (0.18UH) | | XF2 | | | L71-0660-05 | MCF (49.95MHZ) | |
| L60,61 | | | L41-2275-33 | SMALL FIXED INDUCTOR (0.022UH) | | XF3 | | | L71-0648-05 | MCF (49.95MHZ) | |
| L62 | | | L41-1075-33 | SMALL FIXED INDUCTOR (0.01UH) | | XF4 | | | L71-0647-05 | MCF (49.95MHZ) | |
| L66 | | | L41-8275-33 | SMALL FIXED INDUCTOR (0.082UH) | | R1 | | | RK73GB2A332J | CHIP R 3.3K J 1/10W | |
| L67 | | | L41-5675-33 | SMALL FIXED INDUCTOR (0.056UH) | | 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 | | | RK73GB2A120J | CHIP R 12 J 1/10W | |
| L70 | | | L41-3985-33 | SMALL FIXED INDUCTOR (0.39UH) | | R9 | | | RK73GB2A332J | CHIP R 3.3K J 1/10W | |
| L71 | | | L41-1595-33 | SMALL FIXED INDUCTOR (1.5UH) | | R10 | | | RK73GB2A103J | CHIP R 10K J 1/10W | |
| L72 | | | L41-3985-33 | SMALL FIXED INDUCTOR (0.39UH) | | R11 | | | RK73GB2A681J | CHIP R 680 J 1/10W | |
| L73 | | | L41-2285-33 | SMALL FIXED INDUCTOR (0.22UH) | | R12 | | | RK73GB2A102J | CHIP R 1.0K J 1/10W | |
| L74,75 | | | L34-4748-05 | COIL | | R13 | | | RK73GB2A682J | CHIP R 6.8K J 1/10W | |
| L76 | | | L41-1075-33 | SMALL FIXED INDUCTOR (0.01UH) | | R14 | | | RK73FB2B100J | CHIP R 10 J 1/8W | |
| L77 | | | L92-0140-05 | CHIP FERRITE | | R15,16 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | |
| L78 | | | L41-1005-33 | SMALL FIXED INDUCTOR (10UH) | | R17 | | | RK73GB2A181J | CHIP R 180 J 1/10W | |
| L79 | | | L41-1095-33 | SMALL FIXED INDUCTOR (1.0UH) | | R19,20 | | | RK73GB2A104J | CHIP R 100K J 1/10W | |
| L80 | | | L41-1575-33 | SMALL FIXED INDUCTOR (0.015UH) | | R21 | | | RK73GB2A684J | CHIP R 680K J 1/10W | |
| L81 | | | L41-8285-33 | SMALL FIXED INDUCTOR (0.82UH) | | R22 | | | RK73GB2A474J | CHIP R 470K J 1/10W | |
| L82 | | | L41-1005-33 | SMALL FIXED INDUCTOR (10UH) | | R23 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | |
| L83 | | | L41-6895-33 | SMALL FIXED INDUCTOR (6.8UH) | | R24 | | | RK73GB2A100J | CHIP R 10 J 1/10W | |
| L86 | | | L41-1585-33 | SMALL FIXED INDUCTOR (0.15UH) | | R25 | | | RK73GB2A561J | CHIP R 560 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 | | | L41-6895-33 | SMALL FIXED INDUCTOR (6.8UH) | | 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 | | | RK73GB2A471J | CHIP R 470 J 1/10W | |
| L93 | | | L41-1085-33 | SMALL FIXED INDUCTOR (0.1UH) | | R32 | | | RK73GB2A104J | CHIP R 100K J 1/10W | |
| L94,95 | | | L39-1476-05 | TOROIDAL COIL | | R33 | | | RK73GB2A102J | CHIP R 1.0K J 1/10W | |
| L96 | | | L41-6895-33 | SMALL FIXED INDUCTOR (6.8UH) | | R34 | | | RK73GB2A471J | CHIP R 470 J 1/10W | |
| L97 | | | L41-1005-33 | SMALL FIXED INDUCTOR (10UH) | | R36 | | | RK73GB2A103J | CHIP R 10K J 1/10W | |
| L98,99 | | | L41-1895-33 | SMALL FIXED INDUCTOR (1.8UH) | | R37 | | | RK73GB2A123J | CHIP R 12K J 1/10W | |
| L100 | | | L41-3985-33 | SMALL FIXED INDUCTOR (0.39UH) | | R38 | | | RK73GB2A220J | CHIP R 22 J 1/10W | |
| L101 | | | L41-1595-33 | SMALL FIXED INDUCTOR (1.5UH) | | R39 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | |
| L102 | | | L41-1005-33 | SMALL FIXED INDUCTOR (10UH) | | R40 | | | RK73GB2A102J | CHIP R 1.0K J 1/10W | |
| L103 | | | L41-3985-33 | SMALL FIXED INDUCTOR (0.39UH) | | R42-44 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | |
| L106 | | | L41-1585-33 | SMALL FIXED INDUCTOR (0.15UH) | | R45 | | | RK73GB2A471J | CHIP R 470 J 1/10W | |
| L107 | | | L41-6895-33 | SMALL FIXED INDUCTOR (6.8UH) | | R46 | | | RK73GB2A330J | CHIP R 33 J 1/10W | |
| L108 | | | L41-8275-33 | SMALL FIXED INDUCTOR (0.082UH) | | R47 | | | RK73GB2A102J | CHIP R 1.0K J 1/10W | |
| L109 | | | L41-2285-33 | SMALL FIXED INDUCTOR (0.22UH) | | R48 | | | RK73FB2B271J | CHIP R 270 J 1/8W | |
| L110 | | | L41-1585-33 | SMALL FIXED INDUCTOR (0.15UH) | | R50 | | | RK73FB2B180J | CHIP R 18 J 1/8W | |
| L111 | | | L41-1595-33 | SMALL FIXED INDUCTOR (1.5UH) | | R52 | | | RK73GB2A100J | CHIP R 10 J 1/10W | |
| L112,113 | | | L39-1476-05 | TOROIDAL COIL | | R53,54 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | |
| L114 | | | L41-6875-33 | SMALL FIXED INDUCTOR (0.068UH) | | R55 | | | RK73FB2B271J | CHIP R 270 J 1/8W | |
| L115 | | | L41-8275-33 | SMALL FIXED INDUCTOR (0.082UH) | | R56 | | | RK73GB2A100J | CHIP R 10 J 1/10W | |
| L116,117 | | | L41-1585-33 | SMALL FIXED INDUCTOR (0.15UH) | | R57 | | | RK73GB2A470J | CHIP R 47 J 1/10W | |
| L118 | | | L41-6875-33 | SMALL FIXED INDUCTOR (0.068UH) | | | | | | | |

PARTS LIST

RX UNIT (X55-3100-13)

| Ref. No. | Address | New parts | Parts No. | Description | Desti-nation | Ref. No. | Address | New parts | Parts No. | Description | Desti-nation |
|----------|---------|-----------|--------------|---------------------|--------------|----------|---------|-----------|--------------|---------------------|--------------|
| R60 | | | RK73GB2A100J | CHIP R 10 J 1/10W | | R145 | | | RK73GB2A100J | CHIP R 10 J 1/10W | |
| R61 | | | RK73GB2A470J | CHIP R 47 J 1/10W | | R146 | | | RK73GB2A101J | CHIP R 100 J 1/10W | |
| R62,63 | | | RK73GB2A102J | CHIP R 1.0K J 1/10W | | R147 | | | RK73GB2A271J | CHIP R 270 J 1/10W | |
| R64 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | | R148 | | | RK73GB2A561J | CHIP R 560 J 1/10W | |
| R65 | | | RK73GB2A103J | CHIP R 10K J 1/10W | | R149 | | | RK73GB2A821J | CHIP R 820 J 1/10W | |
| R66,67 | | | RN73GE1J391D | CHIP R 390 D 1/16W | | R150 | | | RK73FB2B101J | CHIP R 100 J 1/8W | |
| R68 | | | RK73GB2A392J | CHIP R 3.9K J 1/10W | | R151 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | |
| R69-71 | | | RK73GB2A102J | CHIP R 1.0K J 1/10W | | R152 | | | RK73GB2A102J | CHIP R 1.0K J 1/10W | |
| R72 | | | RK73GB2A2R2J | CHIP R 2.2 J 1/10W | | R153 | | | RK73GB2A101J | CHIP R 100 J 1/10W | |
| R73 | | | RK73GB2A104J | CHIP R 100K J 1/10W | | R154 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | |
| R75,76 | | | RK73GB2A103J | CHIP R 10K J 1/10W | | R155 | | | RK73GB2A332J | CHIP R 3.3K J 1/10W | |
| R77,78 | | | RK73FB2B470J | CHIP R 47 J 1/8W | | R156 | | | RK73GB2A680J | CHIP R 68 J 1/10W | |
| R79 | | | RK73GB2A100J | CHIP R 10 J 1/10W | | R157 | | | RK73GB2A151J | CHIP R 150 J 1/10W | |
| R80 | | | RK73GB2A271J | CHIP R 270 J 1/10W | | R158 | | | RK73GB2A101J | CHIP R 100 J 1/10W | |
| R81 | | | RK73FB2B000J | CHIP R 0.0 J 1/8W | | R159 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | |
| R82 | | | RK73GB2A102J | CHIP R 1.0K J 1/10W | | R160 | | | RK73GB2A3R3J | CHIP R 3.3 J 1/10W | |
| R83,84 | | | RK73GB2A472J | CHIP R 4.7K J 1/10W | | R161 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | |
| R85 | | | RK73GB2A333J | CHIP R 33K J 1/10W | | R163 | | | RK73GB2A102J | CHIP R 1.0K J 1/10W | |
| R86 | | | RK73GB2A104J | CHIP R 100K J 1/10W | | R164 | | | RK73GB2A104J | CHIP R 100K J 1/10W | |
| R88 | | | RK73GB2A103J | CHIP R 10K J 1/10W | | R165,166 | | | RK73GB2A273J | CHIP R 27K J 1/10W | |
| R89 | | | RK73GB2A100J | CHIP R 10 J 1/10W | | R167 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | |
| R90 | | | RK73GB2A330J | CHIP R 33 J 1/10W | | R169 | | | RK73GB2A103J | CHIP R 10K J 1/10W | |
| R91 | | | RK73GB2A331J | CHIP R 330 J 1/10W | | R171 | | | RK73GB2A103J | CHIP R 10K J 1/10W | |
| R92 | | | RK73GB2A104J | CHIP R 100K J 1/10W | | R172 | | | RK73GB2A100J | CHIP R 10 J 1/10W | |
| R93 | | | RK73GB2A105J | CHIP R 1.0M J 1/10W | | R173 | | | RN73GE1J271D | CHIP R 270 D 1/16W | |
| R94 | | | RK73GB2A332J | CHIP R 3.3K J 1/10W | | R174,175 | | | RK73GB2A153J | CHIP R 15K J 1/10W | |
| R95 | | | RK73GB2A102J | CHIP R 1.0K J 1/10W | | R176 | | | RK73GB2A100J | CHIP R 10 J 1/10W | |
| R96 | | | RK73GB2A100J | CHIP R 10 J 1/10W | | R177 | | | RK73GB2A470J | CHIP R 47 J 1/10W | |
| R97 | | | RK73GB2A101J | CHIP R 100 J 1/10W | | R178,179 | | | RK73GB2A103J | CHIP R 10K J 1/10W | |
| R98,99 | | | RK73GB2A331J | CHIP R 330 J 1/10W | | R180 | | | RK73GB2A100J | CHIP R 10 J 1/10W | |
| R100 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | | R181 | | | RK73GB2A102J | CHIP R 1.0K J 1/10W | |
| R101 | | | RK73FB2B100J | CHIP R 10 J 1/8W | | R183 | | | RK73GB2A102J | CHIP R 1.0K J 1/10W | |
| R102 | | | RK73GB2A101J | CHIP R 100 J 1/10W | | R184 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | |
| R103 | | | RK73GB2A472J | CHIP R 4.7K J 1/10W | | R185 | | | RK73GB2A100J | CHIP R 10 J 1/10W | |
| R104,105 | | | RK73GB2A123J | CHIP R 12K J 1/10W | | R186,187 | | | RK73GB2A104J | CHIP R 100K J 1/10W | |
| R106 | | | RK73GB2A105J | CHIP R 1.0M J 1/10W | | R189,190 | | | RK73FB2B101J | CHIP R 100 J 1/8W | |
| R107,108 | | | RK73GB2A103J | CHIP R 10K J 1/10W | | R191,192 | | | RK73FB2B271J | CHIP R 270 J 1/8W | |
| R110 | | | RK73GB2A182J | CHIP R 1.8K J 1/10W | | R193 | | | RK73GB2A102J | CHIP R 1.0K J 1/10W | |
| R112 | | | RK73GB2A102J | CHIP R 1.0K J 1/10W | | R194 | | | RK73GB2A472J | CHIP R 4.7K J 1/10W | |
| R114 | | | RK73GB2A102J | CHIP R 1.0K J 1/10W | | R195 | | | RK73GB2A181J | CHIP R 180 J 1/10W | |
| R115 | | | RK73FB2B220J | CHIP R 22 J 1/8W | | R196,197 | | | RK73FB2B100J | CHIP R 10 J 1/8W | |
| R116 | | | RK73GB2A101J | CHIP R 100 J 1/10W | | R198,199 | | | RK73GB2A102J | CHIP R 1.0K J 1/10W | |
| R117,118 | | | RK73FB2B220J | CHIP R 22 J 1/8W | | R200 | | | RK73GB2A682J | CHIP R 6.8K J 1/10W | |
| R119,120 | | | RK73GB2A103J | CHIP R 10K J 1/10W | | R201 | | | RK73GB2A330J | CHIP R 33 J 1/10W | |
| R122 | | | RK73GB2A101J | CHIP R 100 J 1/10W | | R202 | | | RK73GB2A2R2J | CHIP R 2.2 J 1/10W | |
| R123 | | | RK73GB2A153J | CHIP R 15K J 1/10W | | R203 | | | RK73GB2A104J | CHIP R 100K J 1/10W | |
| R124 | | | RK73GB2A392J | CHIP R 3.9K J 1/10W | | R204 | | | RK73GB2A332J | CHIP R 3.3K J 1/10W | |
| R125 | | | RK73GB2A102J | CHIP R 1.0K J 1/10W | | R205 | | | RK73GB2A682J | CHIP R 6.8K J 1/10W | |
| R126 | | | RK73FB2B681J | CHIP R 680 J 1/8W | | R206 | | | RK73GB2A152J | CHIP R 1.5K J 1/10W | |
| R128 | | | RK73GB2A101J | CHIP R 100 J 1/10W | | R207 | | | RK73GB2A470J | CHIP R 47 J 1/10W | |
| R129 | | | RK73GB2A102J | CHIP R 1.0K J 1/10W | | R209 | | | RK73GB2A101J | CHIP R 100 J 1/10W | |
| R130,131 | | | RK73FB2B100J | CHIP R 10 J 1/8W | | R210 | | | RK73GB2A100J | CHIP R 10 J 1/10W | |
| R132 | | | RK73GB2A102J | CHIP R 1.0K J 1/10W | | R211 | | | RK73GB2A104J | CHIP R 100K J 1/10W | |
| R133 | | | RK73GB2A123J | CHIP R 12K J 1/10W | | R212 | | | RK73GB2A100J | CHIP R 10 J 1/10W | |
| R134 | | | RK73GB2A104J | CHIP R 100K J 1/10W | | R213,214 | | | RK73GB2A563J | CHIP R 56K J 1/10W | |
| R135,136 | | | RK73GB2A332J | CHIP R 3.3K J 1/10W | | R215 | | | RK73GB2A181J | CHIP R 180 J 1/10W | |
| R137 | | | RK73GB2A101J | CHIP R 100 J 1/10W | | R217 | | | RK73GB2A104J | CHIP R 100K J 1/10W | |
| R138,139 | | | RK73GB2A682J | CHIP R 6.8K J 1/10W | | R218,219 | | | RK73GB2A180J | CHIP R 18 J 1/10W | |
| R140,141 | | | RK73GB2A181J | CHIP R 180 J 1/10W | | R220 | | | RK73GB2A102J | CHIP R 1.0K J 1/10W | |
| R142 | | | RK73FB2B100J | CHIP R 10 J 1/8W | | R221,222 | | | RK73GB2A471J | CHIP R 470 J 1/10W | |

PARTS LIST

RX UNIT (X55-3100-13)

| Ref. No. | Address | New parts | Parts No. | Description | Destination | Ref. No. | Address | New parts | Parts No. | Description | Destination |
|----------|---------|-----------|--------------|---------------------|-------------|----------|---------|-----------|--------------|---------------------|-------------|
| R223 | | | RK73GB2A180J | CHIP R 18 J 1/10W | | R317-319 | | | RK73GB2A100J | CHIP R 10 J 1/10W | |
| R224 | | | RK73GB2A100J | CHIP R 10 J 1/10W | | R321 | | | RK73GB2A104J | CHIP R 100K J 1/10W | |
| R225 | | | RK73GB2A180J | CHIP R 18 J 1/10W | | R323 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | |
| R226 | | | RK73GB2A101J | CHIP R 100 J 1/10W | | R324,325 | | | RK73GB2A104J | CHIP R 100K J 1/10W | |
| R229 | | | RK73GB2A101J | CHIP R 100 J 1/10W | | R326 | | | RK73GB2A100J | CHIP R 10 J 1/10W | |
| R230 | | | RK73GB2A100J | CHIP R 10 J 1/10W | | R328 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | |
| R231 | | | RK73GB2A680J | CHIP R 68 J 1/10W | | R330 | | | RK73GB2A104J | CHIP R 100K J 1/10W | |
| R232 | | | RK73GB2A100J | CHIP R 10 J 1/10W | | R332 | | | RK73GB2A101J | CHIP R 100 J 1/10W | |
| R233 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | | R333 | | | RK73GB2A104J | CHIP R 100K J 1/10W | |
| R234 | | | RK73GB2A101J | CHIP R 100 J 1/10W | | 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 | |
| R249,250 | | | RK73GB2A272J | CHIP R 2.7K J 1/10W | | R350,351 | | | RK73GB2A221J | CHIP R 220 J 1/10W | |
| R254 | | | RK73GB2A331J | CHIP R 330 J 1/10W | | R352 | | | RK73GB2A473J | CHIP R 47K J 1/10W | |
| R255 | | | RK73GB2A391J | CHIP R 390 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 | | | RK73GB2A331J | CHIP R 330 J 1/10W | | R358 | | | RK73GB2A100J | CHIP R 10 J 1/10W | |
| R258 | | | RK73GB2A391J | CHIP R 390 J 1/10W | | R359 | | | RK73GB2A221J | CHIP R 220 J 1/10W | |
| R259,260 | | | RK73GB2A272J | CHIP R 2.7K 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 | |
| R263 | | | RK73GB2A183J | CHIP R 18K J 1/10W | | R363 | | | RK73GB2A100J | CHIP R 10 J 1/10W | |
| R264 | | | RK73GB2A152J | CHIP R 1.5K J 1/10W | | R364 | | | RK73GB2A470J | CHIP R 47 J 1/10W | |
| R265 | | | RK73GB2A181J | CHIP R 180 J 1/10W | | R366,367 | | | RK73GB2A331J | CHIP R 330 J 1/10W | |
| R266 | | | RK73GB2A332J | CHIP R 3.3K J 1/10W | | R368-370 | | | RK73GB2A272J | CHIP R 2.7K J 1/10W | |
| R267 | | | RK73GB2A103J | CHIP R 10K J 1/10W | | R371 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | |
| R268 | | | RK73GB2A154J | CHIP R 150K J 1/10W | | R372 | | | RK73GB2A391J | CHIP R 390 J 1/10W | |
| R269 | | | RK73GB2A470J | CHIP R 47 J 1/10W | | R373 | | | RK73GB2A272J | CHIP R 2.7K 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 | | | RK73GB2A183J | CHIP R 15K 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 | | | RK73GB2A183J | CHIP R 18K 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 | | | RK73GB2A223J | CHIP R 22K J 1/10W | | R410 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | |
| R295 | | | RK73GB2A104J | CHIP R 100K J 1/10W | | R417 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | |
| R296-298 | | | RK73GB2A473J | CHIP R 47K J 1/10W | | R430,431 | | | RN73GE1J271D | CHIP R 270 D 1/16W | |
| R300 | | | RK73GB2A103J | CHIP R 10K J 1/10W | | R422-425 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | |
| R306 | | | RK73GB2A473J | CHIP R 47K J 1/10W | | R432 | | | RK73GB2A103J | CHIP R 10K J 1/10W | |
| R307-310 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | | R435 | | | RK73GB2A473J | CHIP R 47K J 1/10W | |
| R311 | | | RK73GB2A474J | CHIP R 470K J 1/10W | | R436 | | | RK73GB2A472J | CHIP R 4.7K J 1/10W | |

PARTS LIST

RX UNIT (X55-3100-13)
TX UNIT (X56-3120-13)

| Ref. No. | Address | New parts | Parts No. | Description | Destination | Ref. No. | Address | New parts | Parts No. | Description | Destination |
|----------|---------|-----------|----------------|----------------------------|-------------|------------------------------|---------|-----------|---------------|-----------------------|-------------|
| R437 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | | Q30 | | | 2SC4617(R) | TRANSISTOR | |
| R455 | | | RK73GB2A104J | CHIP R 100K J 1/10W | | Q31 | | | SSM3K15TE(F) | FET | |
| R459 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | | Q32 | | | SSM3J01F | FET | |
| R462 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | | Q33 | | | 2SC4725 | TRANSISTOR | |
| R467 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | | Q34 | | * | 2SA1832F | TRANSISTOR | |
| D1,2 | | | HSC119 | DIODE | | Q35,36 | | | 2SC4725 | TRANSISTOR | |
| D3-6 | | | 1SV283F | VARIABLE CAPACITANCE DIODE | | Q37 | | | SSM3K15TE(F) | FET | |
| D9,10 | | | JDP4P02U | DIODE | | Q38 | | | 2SC4725 | TRANSISTOR | |
| D11 | | | KV1470-G | VARIABLE CAPACITANCE DIODE | | Q39 | | | 2SC4617(R) | TRANSISTOR | |
| D12 | | | 1SV283F | VARIABLE CAPACITANCE DIODE | | Q40 | | | 2SC4617(S) | TRANSISTOR | |
| D13,14 | | | JDP4P02U | DIODE | | Q50,51 | | | SSM3K15TE(F) | FET | |
| D15,16 | | | DAN235E | DIODE | | Q52 | | | 2SJ484 | FET | |
| D17,18 | | | MA3J742 | DIODE | | Q53 | | | 2SC4725 | TRANSISTOR | |
| D19,20 | | | DAN235E | DIODE | | Q56 | | | SSM3K15TE(F) | FET | |
| IC4 | | | TA75S01F-F | MOS-IC | | Q57 | | | DTA144EEB | DIGITAL TRANSISTOR | |
| IC5 | | | ADF4111BCP7 | MOS-IC | | Q58-61 | | | SSM3K15TE(F) | FET | |
| IC6 | | | LMC7101BIM5 | MOS-IC | | A1 | | | W02-1940-05 | DBM | |
| IC7 | | | AD9835BRUZ | MOS-IC | | TX UNIT (X56-3120-13) | | | | | |
| IC8 | | * | NJU6368PF1 | MOS-IC | | D202 | | | B30-2230-05 | LED (YELLOW) | |
| IC9 | | | UPB1509GV | BI-POLAR IC | | D301 | | | B30-2230-05 | LED (YELLOW) | |
| IC10 | | | TK11230CMCL-G | BI-POLAR IC | | D920-924 | | | B30-2265-05 | LED (RED/GREEN) | |
| IC11 | | | ADF4111BCP7 | MOS-IC | | D925-932 | | | B30-2171-05 | LED (ORANGE) | |
| IC12 | | | TA31137FNG | MOS-IC | | C101 | | | CS77CA1ER47M | CHIP TNTL 0.47UF 25WV | |
| IC13 | | | AD607Z | BI-POLAR IC | | C102 | | | CK73GB1E105K | CHIP C 1.0UF K | |
| IC14 | | | AD8051ART | ANALOGUE IC | | C103-105 | | | CC73GCH1H471J | CHIP C 470PF J | |
| IC15,16 | | | NJM78L05UA-ZB | BI-POLAR IC | | C106,107 | | | CK73GB1H103K | CHIP C 0.010UF K | |
| IC17-19 | | | NJM78M05DL1AZB | ANALOGUE IC | | C108 | | | CC73GCH1H471J | CHIP C 470PF J | |
| IC20 | | | NJM4558E-ZB | ANALOGUE IC | | C109 | | | CK73GB1H104K | CHIP C 0.10UF K | |
| IC22 | | | XC6204B332M | MOS-IC | | C110 | | | CC73GCH1H471J | CHIP C 470PF J | |
| IC23 | | | BH2220FVM | ANALOGUE IC | | C111,112 | | | CK73GB1H104K | CHIP C 0.10UF K | |
| IC24,25 | 2D | | NJM7808FA-ZB | BI-POLAR IC | | C113 | | | CC73GCH1H471J | CHIP C 470PF J | |
| IC26,27 | | | NJM2386ADL3-09 | ANALOGUE IC | | C114 | | | CK73GB1H104K | CHIP C 0.10UF K | |
| IC28 | | | AD1582 | ANALOGUE IC | | C115-117 | | | CC73GCH1H471J | CHIP C 470PF J | |
| IC29 | | | NJM2732V | BI-POLAR IC | | C120 | | | CK73GB1H103K | CHIP C 0.010UF K | |
| IC30 | | | AD7908BRU | MOS-IC | | C122 | | | CC73GCH1H471J | CHIP C 470PF J | |
| IC31 | | | S24CS02AFJTBG | ROM IC | | C123 | | | CS77CA1VR22M | CHIP TNTL 0.22UF 35WV | |
| IC32 | | | NJM2732V | BI-POLAR IC | | C124 | | | CS77CC1C330M | CHIP TNTL 33UF 16WV | |
| IC33 | | | LMC7101BIM5 | MOS-IC | | C126 | | | CC73GCH1H471J | CHIP C 470PF J | |
| IC35 | | | LM50BIM3/NOPB | MOS-IC | | C132 | | | CC73GCH1H150G | CHIP C 15PF G | |
| Q1 | | | 2SC5337 | TRANSISTOR | | C133 | | | CC73GCH1H100C | CHIP C 10PF C | |
| Q2 | | | 2SC4116(BL)F | TRANSISTOR | | C134 | | | CC73GCH1H270J | CHIP C 27PF J | |
| Q3 | | | 2SC4617(R) | TRANSISTOR | | C135 | | | CC73GCH1H471J | CHIP C 470PF J | |
| Q4 | | | 2SC4116(BL)F | TRANSISTOR | | C136 | | | CC73GCH1H090B | CHIP C 9.0PF B | |
| Q5 | | | 2SC4617(R) | TRANSISTOR | | C137 | | | CK73GB1H103K | CHIP C 0.010UF K | |
| Q6 | | | 2SC4116(BL)F | TRANSISTOR | | C138 | | | CC73GCH1H0R5B | CHIP C 0.5PF B | |
| Q7,8 | | * | 2SK2539-7 | FET | | C139 | | | CC73GCH1H020B | CHIP C 2.0PF B | |
| Q9-11 | | | 2SC4116(BL)F | TRANSISTOR | | C140,141 | | | CC73GCH1H471J | CHIP C 470PF J | |
| Q12 | | | 2SC4617(R) | TRANSISTOR | | C142 | | | CC73GCH1H120J | CHIP C 12PF J | |
| Q13 | | * | 2SA1832F | TRANSISTOR | | C143 | | | CC73GCH1H100D | CHIP C 10PF D | |
| Q14,15 | | | SSM3K15TE(F) | FET | | C145 | | | CC73GCH1H150G | CHIP C 15PF G | |
| Q16,17 | | | 2SC3356-A(R24) | TRANSISTOR | | C146 | | | CC73GCH1H471J | CHIP C 470PF J | |
| Q18-20 | | | RD01MUS1-T113 | FET | | C147 | | | CC73GCH1H0R5B | CHIP C 0.5PF B | |
| Q21 | | | 2SC4725 | TRANSISTOR | | C148 | | | CC73GCH1H150J | CHIP C 15PF J | |
| Q22 | | | 2SC4617(R) | TRANSISTOR | | C149 | | | CK73GB1H103K | CHIP C 0.010UF K | |
| Q23 | | | 2SC3356-A(R24) | TRANSISTOR | | C151 | | | CE32CL1V100M | CHIP EL 10UF 35WV | |
| Q24 | | * | 2SK2539-7 | FET | | C152 | | | CC73GCH1H471J | CHIP C 470PF J | |
| Q25 | | | SSM3J01F | FET | | C153 | | | CC73GCH1H100D | CHIP C 10PF D | |
| Q26 | | | SSM3K15TE(F) | FET | | | | | | | |
| Q27 | | | 2SC4116(BL)F | TRANSISTOR | | | | | | | |
| Q28,29 | | | 3SK317-E | FET | | | | | | | |

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

PARTS LIST

TX UNIT (X56-3120-13)

| Ref. No. | Address | New parts | Parts No. | Description | Destination | Ref. No. | Address | New parts | Parts No. | Description | Destination |
|----------|---------|-----------|---------------|---------------------|-------------|----------|---------|-----------|---------------|----------------------|-------------|
| C154 | | | CS77CC1C330M | CHIP TNTL 33UF 16VV | | C243,244 | | | CC73GCH1H471J | CHIP C 470PF J | |
| C156,157 | | | CC73GCH1H471J | CHIP C 470PF J | | C245 | | | CC73GCH1H470J | CHIP C 47PF J | |
| C158 | | | CS77CC1C330M | CHIP TNTL 33UF 16VV | | C246,247 | | | CC73GCH1H471J | CHIP C 470PF J | |
| C160 | | | CC73GCH1H471J | CHIP C 470PF J | | C248 | | | CC73GCH1H151J | CHIP C 150PF J | |
| C161 | | | CE32BM1E470M | CHIP EL 47UF 25VV | | C249 | | | CE32CL1V100M | CHIP EL 10UF 35VV | |
| C162,163 | | | CC73GCH1H471J | CHIP C 470PF J | | C250 | | | CK73GB1H104K | CHIP C 0.10UF K | |
| C164 | | | CC73GCH1H070D | CHIP C 7.0PF D | | C251,252 | | | CK73GB1H103K | CHIP C 0.010UF K | |
| C166 | | | CC73GCH1H060D | CHIP C 6.0PF D | | C253 | | | CE32CL1V100M | CHIP EL 10UF 35VV | |
| C167 | | | CC73GCH1H070D | CHIP C 7.0PF D | | C254 | | | CK73GB1H104K | CHIP C 0.10UF K | |
| C168 | | | CC73GCH1H030C | CHIP C 3.0PF C | | C255,256 | | | CK73GB1H103K | CHIP C 0.010UF K | |
| C169,170 | | | CC73GCH1H471J | CHIP C 470PF J | | C257-260 | | | CK73GB1H104K | CHIP C 0.10UF K | |
| C171 | | | CK73GB1H103K | CHIP C 0.010UF K | | C263 | | | CC73GCH1H390J | CHIP C 39PF J | |
| C172 | | | CK73GB1H471K | CHIP C 470PF K | | C265 | | | CC73GCH1H680J | CHIP C 68PF J | |
| C173,174 | | | CC73GCH1H471J | CHIP C 470PF J | | C267 | | | CC73GCH1H390J | CHIP C 39PF J | |
| C175 | | | CC73GCH1H070D | CHIP C 7.0PF D | | C269-272 | | | CK73GB1H104K | CHIP C 0.10UF K | |
| C176 | | | CC73GCH1H471J | CHIP C 470PF J | | C275 | | | CC73GCH1H471J | CHIP C 470PF J | |
| C177-180 | | | CK73GB1H104K | CHIP C 0.10UF K | | C276 | | | CC73GCH1H271J | CHIP C 270PF J | |
| C181 | | | CC73GCH1H471J | CHIP C 470PF J | | C277 | | | CC73GCH1H471J | CHIP C 470PF J | |
| C182 | | | CC73GCH1H120G | CHIP C 12PF G | | C278 | | | CC73GCH1H391J | CHIP C 390PF J | |
| C183 | | | CC73GCH1H220J | CHIP C 22PF J | | C279 | | | CC73GCH1H471J | CHIP C 470PF J | |
| C186 | | | CC73GCH1H180G | CHIP C 18PF G | | C280 | | | CC73GCH1H271J | CHIP C 270PF J | |
| C187 | | | C93-0912-05 | CHIP C 100UF M | | C281 | | | CC73GCH1H471J | CHIP C 470PF J | |
| C188 | | | CC73GCH1H471J | CHIP C 470PF J | | C282-285 | | | CK73GB1H104K | CHIP C 0.10UF K | |
| C189 | | | CC73GCH1H100C | CHIP C 10PF C | | C286 | | | CK73GB1H103K | CHIP C 0.010UF K | |
| C190 | | | CC73GCH1H0R5B | CHIP C 0.5PF B | | C287 | | | CK73GB1H104K | CHIP C 0.10UF K | |
| C191 | | | CC73GCH1H020B | CHIP C 2.0PF B | | C301 | | | CS77CA1C2R2M | CHIP TNTL 2.2UF 16VV | |
| C192 | | | CC73GCH1H471J | CHIP C 470PF J | | C302 | | | CC73GCH1H100D | CHIP C 10PF D | |
| C193 | | | CC73GCH1H120G | CHIP C 12PF G | | C303 | | | CK73GB1H103K | CHIP C 0.010UF K | |
| C194 | | | CC73GCH1H150G | CHIP C 15PF G | | C304 | | | CC73GCH1H331J | CHIP C 330PF J | |
| C195 | | | CC73GCH1H0R5B | CHIP C 0.5PF B | | C305 | | | CC73GCH1H180J | CHIP C 18PF J | |
| C196-198 | | | CC73GCH1H471J | CHIP C 470PF J | | C306 | | | CK73FB0J106K | CHIP C 10UF K | |
| C201 | | | CC73GCH1H471J | CHIP C 470PF J | | C307 | | | CK73GB1H104K | CHIP C 0.10UF K | |
| C202 | | | CC73GCH1H070D | CHIP C 7.0PF D | | C308 | | | CC73GCH1H471J | CHIP C 470PF J | |
| C203,204 | | | CC73GCH1H471J | CHIP C 470PF J | | C309 | | | CC73GCH1H331J | CHIP C 330PF J | |
| C205 | | | CK73GB1H103K | CHIP C 0.010UF K | | C310 | | | CK73FB0J106K | CHIP C 10UF K | |
| C206 | | | CC73GCH1H471J | CHIP C 470PF J | | C311 | | | C93-0912-05 | CHIP C 100UF M | |
| C207 | | | CC73GCH1H070D | CHIP C 7.0PF D | | C312 | | | CK73GB1H103K | CHIP C 0.010UF K | |
| C208,209 | | | CC73GCH1H471J | CHIP C 470PF J | | C313 | | | CC73GCH1H121J | CHIP C 120PF J | |
| C210,211 | | | CC73GCH1H060D | CHIP C 6.0PF D | | C314,315 | | | CK73GB1H103K | CHIP C 0.010UF K | |
| C212-215 | | | CC73GCH1H471J | CHIP C 470PF J | | C316 | | | CC73GCH1H100D | CHIP C 10PF D | |
| C216 | | | CK73GB1H103K | CHIP C 0.010UF K | | C317 | | | CK73GB1H104K | CHIP C 0.10UF K | |
| C217 | | | CC73GCH1H100D | CHIP C 10PF D | | C318 | | | CE32BM1E470M | CHIP EL 47UF 25VV | |
| C218 | | | CC73GCH1H120J | CHIP C 12PF J | | C319 | | | CK73GB1H104K | CHIP C 0.10UF K | |
| C219 | | | CC73GCH1H471J | CHIP C 470PF J | | C320 | | | CK73GB1H103K | CHIP C 0.010UF K | |
| C220 | | | CK73GB1H104K | CHIP C 0.10UF K | | C321 | | | CC73GCH1H471J | CHIP C 470PF J | |
| C221 | | | CC73GCH1H030C | CHIP C 3.0PF C | | C323-326 | | | CK73GB1H103K | CHIP C 0.010UF K | |
| C223 | | | CC73GCH1H471J | CHIP C 470PF J | | C327 | | | CC73GCH1H181J | CHIP C 180PF J | |
| C224 | | | CK73GB1H473K | CHIP C 0.047UF K | | C328,329 | | | C93-0912-05 | CHIP C 100UF M | |
| C225,226 | | | CC73GCH1H471J | CHIP C 470PF J | | C330 | | | CC73GCH1H470J | CHIP C 47PF J | |
| C227 | | | CK73GB1H103K | CHIP C 0.010UF K | | C331 | | | CK73GB1H104K | CHIP C 0.10UF K | |
| C228 | | | CC73GCH1H471J | CHIP C 470PF J | | C332 | | | CC73GCH1H331J | CHIP C 330PF J | |
| C230 | | | CC73GCH1H471J | CHIP C 470PF J | | C333 | | | CS77CC1C100M | CHIP TNTL 10UF 16VV | |
| C231 | | | CK73GB1H103K | CHIP C 0.010UF K | | C334 | | | CK73GB1H103K | CHIP C 0.010UF K | |
| C233 | | | CC73GCH1H010C | CHIP C 1.0PF C | | C335 | | | CK73GB1H102K | CHIP C 1000PF K | |
| C234 | | | CC73GCH1H471J | CHIP C 470PF J | | C336 | | | CC73GCH1H180J | CHIP C 18PF J | |
| C235 | | | CK73GB1H103K | CHIP C 0.010UF K | | C337 | | | CK73GB1H103K | CHIP C 0.010UF K | |
| C237 | | | CC73GCH1H471J | CHIP C 470PF J | | C338 | | | CS77CB21A470M | CHIP TNTL 47UF 10VV | |
| C240 | | | CC73GCH1H221J | CHIP C 220PF J | | C339 | | | CC73GCH1H221J | CHIP C 220PF J | |
| C241 | | | CC73GCH1H820J | CHIP C 82PF J | | C340 | | | CK73GB1H103K | CHIP C 0.010UF K | |
| C242 | | | CC73GCH1H330J | CHIP C 33PF J | | C341 | | | CK73GB1H104K | CHIP C 0.10UF K | |

PARTS LIST

TX UNIT (X56-3120-13)

| Ref. No. | Address | New parts | Parts No. | Description | Desti-nation | Ref. No. | Address | New parts | Parts No. | Description | Desti-nation |
|----------|---------|-----------|---------------|----------------------|--------------|----------|---------|-----------|---------------|----------------------|--------------|
| 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 | |
| C379 | | | CK73GB1H103K | CHIP C 0.010UF K | | C492-495 | | | CK73GB1H104K | CHIP C 0.10UF K | |
| C381 | | | CK73GB1H103K | CHIP C 0.010UF K | | C496 | | | CC73GCH1H221J | CHIP C 220PF J | |
| C382 | | | CC73GCH1H221J | CHIP C 220PF J | | C497 | | | CK73GB1H104K | CHIP C 0.10UF K | |
| C383 | | | CC73GCH1H331J | CHIP C 330PF J | | C498 | | | CC73GCH1H121J | CHIP C 120PF J | |
| C384 | | | CC73GCH1H181J | CHIP C 180PF J | | C499 | | | CK73GB1H104K | CHIP C 0.10UF K | |
| C386 | | | CE32CL1V100M | CHIP EL 10UF 35WV | | C500 | | | CC73GCH1H471J | CHIP C 470PF J | |
| C387 | | | CK73GB1H104K | CHIP C 0.10UF K | | C501,502 | | | CK73GB1H104K | CHIP C 0.10UF K | |
| C388 | | | CC73GCH1H471J | CHIP C 470PF J | | C503 | | | CC73GCH1H470J | CHIP C 47PF J | |
| C389 | | | CK73GB1H102K | CHIP C 1000PF K | | C504 | | | CC73GCH1H010C | CHIP C 1.0PF C | |
| C390 | | | CK73GB1H222K | CHIP C 2200PF K | | C505,506 | | | CK73GB1H104K | CHIP C 0.10UF K | |
| C391 | | | C93-0912-05 | CHIP C 100UF M | | C507,508 | | | CC73GCH1H331J | CHIP C 330PF J | |
| C392,393 | | | CC73GCH1H100D | CHIP C 10PF D | | C509,510 | | | CK73GB1H104K | CHIP C 0.10UF K | |
| C401 | | | CK73GB1H103K | CHIP C 0.010UF K | | C511 | | | CC73GCH1H470J | CHIP C 47PF J | |
| C402,403 | | | CK73GB1H104K | CHIP C 0.10UF K | | C512 | | | CC73GCH1H471J | CHIP C 470PF J | |
| C404 | | | CK73GB1H103K | CHIP C 0.010UF K | | C513 | | | CC73GCH1H010C | CHIP C 1.0PF C | |
| C405 | | | CC73GCH1H471J | CHIP C 470PF J | | C514 | | | CC73GCH1H121J | CHIP C 120PF J | |
| C406-412 | | | CK73GB1H103K | CHIP C 0.010UF K | | C515 | | | CC73GCH1H030C | CHIP C 3.0PF C | |
| C413 | | | CC73GCH1H471J | CHIP C 470PF J | | C516,517 | | | CK73GB1H104K | CHIP C 0.10UF K | |
| C414-416 | | | CK73GB1H103K | CHIP C 0.010UF K | | C519 | | | CK73GB1H104K | CHIP C 0.10UF K | |
| C419 | | | CK73FB0J106K | CHIP C 10UF K | | C520 | | | CC73GCH1H221J | CHIP C 220PF J | |
| C420 | | | CK73GB1H103K | CHIP C 0.010UF K | | C521-527 | | | CK73GB1H104K | CHIP C 0.10UF K | |
| C422 | | | CK73GB1H103K | CHIP C 0.010UF K | | C529-532 | | | CK73GB1H104K | CHIP C 0.10UF K | |
| C423 | | | CE32BM1E470M | CHIP EL 47UF 25WV | | C533 | | | CC73GCH1H471J | CHIP C 470PF J | |
| C425 | | | CC73GCH1H181J | CHIP C 180PF J | | C534-537 | | | CK73GB1H104K | CHIP C 0.10UF K | |
| C427 | | | CC73GCH1H470J | CHIP C 47PF J | | C538 | | | CC73GCH1H471J | CHIP C 470PF J | |
| C429 | | | CC73GCH1H331J | CHIP C 330PF J | | C539 | | | CK73GB1H104K | CHIP C 0.10UF K | |
| C430 | | | CC73GCH1H180J | CHIP C 18PF J | | C541,542 | | | CC73GCH1H100D | CHIP C 10PF D | |
| C433 | | | CC73GCH1H221J | CHIP C 220PF J | | C543-547 | | | CK73GB1H104K | CHIP C 0.10UF K | |
| C435 | | | CK73GB1H104K | CHIP C 0.10UF K | | C548 | | | CC73GCH1H471J | CHIP C 470PF J | |
| C436 | | | CS77BA1E010M | CHIP TNTL 1.0UF 25WV | | C549-552 | | | CK73GB1H104K | CHIP C 0.10UF K | |
| C437 | | | CK73GB1H103K | CHIP C 0.010UF K | | C554-556 | | | CK73GB1H104K | CHIP C 0.10UF K | |
| C439-443 | | | CK73GB1H103K | CHIP C 0.010UF K | | C557 | | | CC73GCH1H030C | CHIP C 3.0PF C | |

NXR-800

PARTS LIST

TX UNIT (X56-3120-13)

| Ref. No. | Address | New parts | Parts No. | Description | Destination | Ref. No. | Address | New parts | Parts No. | Description | Destination |
|----------|---------|-----------|---------------|-------------------|-------------|-----------|---------|-----------|---------------|----------------------|-------------|
| 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 | |
| C642 | | | CC73GCH1H221J | CHIP C 220PF J | | C920-925 | | | CK73GB1H104K | CHIP C 0.10UF K | |
| C643 | | | CC73GCH1H471J | CHIP C 470PF J | | C926 | | | CK73GB1H102K | CHIP C 1000PF K | |
| C645 | | | CC73GCH1H471J | CHIP C 470PF J | | C928,929 | | | CK73GB1H104K | CHIP C 0.10UF K | |
| C656,657 | | | CK73GB1H103K | CHIP C 0.010UF K | | C930,931 | | | CK73GB1E105K | CHIP C 1.0UF K | |
| C658 | | | CK73GB1H104K | CHIP C 0.10UF K | | C932 | | | CC73GCH1H470J | CHIP C 47PF J | |
| C659,660 | | | CK73GB1H103K | CHIP C 0.010UF K | | C933,934 | | | CS77CA1A1R5M | CHIP TNL 1.5UF 10WV | |
| C661 | | | CK73FB0J106K | CHIP C 10UF K | | C935,936 | | | CK73GB1H104K | CHIP C 0.10UF K | |
| C662,663 | | | CK73GB1H104K | CHIP C 0.10UF K | | C937 | | | CK73GB1H103K | CHIP C 0.010UF K | |
| C703 | | | CK73GB1H104K | CHIP C 0.10UF K | | C938 | | | CK73FB0J106K | CHIP C 10UF K | |
| C704 | | | CK73FB0J106K | CHIP C 10UF K | | C939 | | | CK73GB1H102K | CHIP C 1000PF K | |
| C707 | | | CK73GB1H102K | CHIP C 1000PF K | | C941 | | | CK73GB1H102K | CHIP C 1000PF K | |
| C708 | | | CK73GB1H104K | CHIP C 0.10UF K | | C943 | | | CK73GB1H104K | CHIP C 0.10UF K | |
| C709 | | | CE32CL1V100M | CHIP EL 10UF 35WV | | C960-965 | | | CK73GB1H104K | CHIP C 0.10UF K | |
| C710 | | | CK73GB1H104K | CHIP C 0.10UF K | | CN102-121 | | | E23-1280-05 | TERMINAL | |
| C711 | | | CK73GB1H103K | CHIP C 0.010UF K | | CN130 | | | E23-1330-05 | TERMINAL | |
| C712,713 | | | CC73GCH1H471J | CHIP C 470PF J | | CN403 | | | E04-0193-05 | PIN SOCKET | |
| C714 | | | CK73GB1H103K | CHIP C 0.010UF K | | CN405,406 | | | E04-0193-05 | PIN SOCKET | |
| C715 | | | CE32CL1V100M | CHIP EL 10UF 35WV | | CN407 | | | E04-0154-05 | PIN SOCKET | |
| C716 | | | CK73GB1H103K | CHIP C 0.010UF K | | CN408 | | | E04-0193-05 | PIN SOCKET | |
| C717,718 | | | CC73GCH1H471J | CHIP C 470PF J | | CN801 | | | E41-2672-05 | PIN ASSY | |
| C719 | | | CK73GB1H103K | CHIP C 0.010UF K | | CN802 | | | E04-0193-05 | PIN SOCKET | |
| C720,721 | | | CE32CL1V100M | CHIP EL 10UF 35WV | | CN803 | | | E40-6822-05 | FLAT CABLE CONNECTOR | |
| C722 | | | CK73GB1H103K | CHIP C 0.010UF K | | CN804-806 | | | E40-6656-05 | PIN ASSY | |
| C723,724 | | | CC73GCH1H471J | CHIP C 470PF J | | CN807 | | | E41-2671-05 | PIN ASSY | |
| C725 | | | CK73GB1H103K | CHIP C 0.010UF K | | CN920 | | | E41-1493-05 | PIN ASSY | |
| C801-803 | | | CK73GB1H104K | CHIP C 0.10UF K | | CN921 | | | E40-6656-05 | PIN ASSY | |
| C804 | | | CC73GCH1H471J | CHIP C 470PF J | | CN923 | | | E41-1483-05 | PIN ASSY | |
| C805 | | | CK73GB1H104K | CHIP C 0.10UF K | | CN960 | | | E41-1493-05 | PIN ASSY | |
| C806 | | | CE32CL1V100M | CHIP EL 10UF 35WV | | E100 | | | F10-3081-04 | SHIELDING CASE | |
| C807 | | | CK73FB1C105K | CHIP C 1.0UF K | | CF201 | | | L72-1029-05 | CERAMIC FILTER | |
| C808,809 | | | CK73GB1H104K | CHIP C 0.10UF K | | | | | | | |
| C810 | | | CC73GCH1H471J | CHIP C 470PF J | | | | | | | |

PARTS LIST

TX UNIT (X56-3120-13)

| Ref. No. | Address | New parts | Parts No. | Description | Destination | Ref. No. | Address | New parts | Parts No. | Description | Destination |
|----------|---------|-----------|-------------|--------------------------------|-------------|-----------|---------|-----------|--------------|-------------------------------|-------------|
| CF601 | | | L72-1019-05 | CERAMIC FILTER | | L601,602 | | | L41-3305-33 | SMALL FIXED INDUCTOR (33UH) | |
| L105,106 | | | L41-1095-33 | SMALL FIXED INDUCTOR (1.0UH) | | L603,604 | | | L41-4705-33 | SMALL FIXED INDUCTOR (47UH) | |
| L108 | | | L34-4545-05 | AIR-CORE COIL | | L605 | | | L41-2205-33 | SMALL FIXED INDUCTOR (22UH) | |
| L109-111 | | | L41-1095-33 | SMALL FIXED INDUCTOR (1.0UH) | | L606,607 | | | L41-1205-33 | SMALL FIXED INDUCTOR (12UH) | |
| L112,113 | | | L41-1875-33 | SMALL FIXED INDUCTOR (0.018UH) | | L608 | | | L41-1005-33 | SMALL FIXED INDUCTOR (10UH) | |
| L116-119 | | | L41-1575-33 | SMALL FIXED INDUCTOR (0.015UH) | | L609 | | | L92-0140-05 | CHIP FERRITE | |
| L120 | | | L41-2275-33 | SMALL FIXED INDUCTOR (0.022UH) | | L610 | | | L41-1005-33 | SMALL FIXED INDUCTOR (10UH) | |
| L121-124 | | | L41-1005-33 | SMALL FIXED INDUCTOR (10UH) | | L611 | | | L92-0140-05 | CHIP FERRITE | |
| L125,126 | | | L41-1095-33 | SMALL FIXED INDUCTOR (1.0UH) | | L612 | | | L41-3385-33 | SMALL FIXED INDUCTOR (0.33UH) | |
| L128 | | | L34-4545-05 | AIR-CORE COIL | | L613 | | | L41-3985-33 | SMALL FIXED INDUCTOR (0.39UH) | |
| L129-131 | | | L41-1095-33 | SMALL FIXED INDUCTOR (1.0UH) | | L614 | | | L41-1005-33 | SMALL FIXED INDUCTOR (10UH) | |
| L201,202 | | | L41-1575-33 | SMALL FIXED INDUCTOR (0.015UH) | | L801 | | | L41-1095-33 | SMALL FIXED INDUCTOR (1.0UH) | |
| L203,204 | | | L41-1275-33 | SMALL FIXED INDUCTOR (0.012UH) | | L812 | | | L41-1005-33 | SMALL FIXED INDUCTOR (10UH) | |
| L205 | | | L34-4604-15 | AIR-CORE COIL | | X301 | | | L77-1981-05 | VCXO (19.2MHZ) | |
| L207 | | | L34-4607-15 | AIR-CORE COIL | | X401 | | | L77-1981-05 | VCXO (19.2MHZ) | |
| L208 | | | L34-4606-15 | AIR-CORE COIL | | X601 | | | L77-3034-05 | TCXO (19.2MHZ) | |
| L210 | | | L41-1595-33 | SMALL FIXED INDUCTOR (1.5UH) | | CP920 | | | RK74GB1J102J | CHIP-COM 1.0K J 1/16W | |
| L211 | | | L41-1895-33 | SMALL FIXED INDUCTOR (1.8UH) | | CP923 | | | RK74GB1J102J | CHIP-COM 1.0K J 1/16W | |
| L212,213 | | | L41-1005-33 | SMALL FIXED INDUCTOR (10UH) | | CP924 | | | RK75GB1JR00 | CHIP-COM 0.0 1/16W | |
| L214,215 | | | L41-4705-33 | SMALL FIXED INDUCTOR (47UH) | | CP926 | | | RK74GB1J681J | CHIP-COM 680 J 1/16W | |
| L216,217 | | | L41-2295-33 | SMALL FIXED INDUCTOR (2.2UH) | | CP928 | | | RK74GB1J681J | CHIP-COM 680 J 1/16W | |
| L218 | | | L41-6885-33 | SMALL FIXED INDUCTOR (0.68UH) | | CP961,962 | | | RK74GB1J102J | CHIP-COM 1.0K J 1/16W | |
| L219 | | | L41-6895-33 | SMALL FIXED INDUCTOR (6.8UH) | | CP965,966 | | | RK74GB1J102J | CHIP-COM 1.0K J 1/16W | |
| L301 | | | L41-3985-33 | SMALL FIXED INDUCTOR (0.39UH) | | CP970,971 | | | RK74GB1J102J | CHIP-COM 1.0K J 1/16W | |
| L302 | | | L41-1005-33 | SMALL FIXED INDUCTOR (10UH) | | CP973,974 | | | RK74GB1J102J | CHIP-COM 1.0K J 1/16W | |
| L303 | | | L41-1095-33 | SMALL FIXED INDUCTOR (1.0UH) | | R101 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | |
| L304 | | | L41-1005-33 | SMALL FIXED INDUCTOR (10UH) | | R118 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | |
| L305 | | | L41-3385-33 | SMALL FIXED INDUCTOR (0.33UH) | | R119 | | | RK73GB2A820J | CHIP R 82 J 1/10W | |
| L306 | | | L41-1095-33 | SMALL FIXED INDUCTOR (1.0UH) | | R120 | | | RK73GB2A151J | CHIP R 150 J 1/10W | |
| L307,308 | | | L41-3985-33 | SMALL FIXED INDUCTOR (0.39UH) | | R123 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | |
| L309 | | | L41-1095-33 | SMALL FIXED INDUCTOR (1.0UH) | | R124,125 | | | RK73GB2A105J | CHIP R 1.0M J 1/10W | |
| L310 | | | L41-3385-33 | SMALL FIXED INDUCTOR (0.33UH) | | R129 | | | RK73GB2A101J | CHIP R 100 J 1/10W | |
| L311 | | | L41-3985-33 | SMALL FIXED INDUCTOR (0.39UH) | | R131 | | | RN73GE1J101D | CHIP R 100 D 1/16W | |
| L312 | | | L41-3385-33 | SMALL FIXED INDUCTOR (0.33UH) | | R132 | | | RN73GE1J151D | CHIP R 150 D 1/16W | |
| L313 | | | L41-1095-33 | SMALL FIXED INDUCTOR (1.0UH) | | R133 | | | RK73GB2A470J | CHIP R 47 J 1/10W | |
| L314 | | | L41-1005-33 | SMALL FIXED INDUCTOR (10UH) | | R134 | | | RK73GB2A220J | CHIP R 22 J 1/10W | |
| L401-403 | | | L41-1095-33 | SMALL FIXED INDUCTOR (1.0UH) | | R135 | | | RK73GB2A272J | CHIP R 2.7K J 1/10W | |
| L404 | | | L41-1005-33 | SMALL FIXED INDUCTOR (10UH) | | R137 | | | RK73GB2A102J | CHIP R 1.0K J 1/10W | |
| L405 | | | L41-3385-33 | SMALL FIXED INDUCTOR (0.33UH) | | R138 | | | RK73GB2A103J | CHIP R 10K J 1/10W | |
| L406 | | | L41-1005-33 | SMALL FIXED INDUCTOR (10UH) | | R139 | | | RK73GB2A102J | CHIP R 1.0K J 1/10W | |
| L407 | | | L41-3985-33 | SMALL FIXED INDUCTOR (0.39UH) | | R141 | | | RK73GB2A820J | CHIP R 82 J 1/10W | |
| L408 | | | L41-1095-33 | SMALL FIXED INDUCTOR (1.0UH) | | R142 | | | RK73GB2A331J | CHIP R 330 J 1/10W | |
| L409,410 | | | L41-3385-33 | SMALL FIXED INDUCTOR (0.33UH) | | R144,145 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | |
| L411 | | | L41-3985-33 | SMALL FIXED INDUCTOR (0.39UH) | | R146 | | | RK73GB2A271J | CHIP R 270 J 1/10W | |
| L412 | | | L41-1095-33 | SMALL FIXED INDUCTOR (1.0UH) | | R147 | | | RK73GB2A180J | CHIP R 18 J 1/10W | |
| L413 | | | L41-3985-33 | SMALL FIXED INDUCTOR (0.39UH) | | R148 | | | RK73GB2A271J | CHIP R 270 J 1/10W | |
| L414,415 | | | L41-1095-33 | SMALL FIXED INDUCTOR (1.0UH) | | R149 | | | RK73GB2A221J | CHIP R 220 J 1/10W | |
| L416,417 | | | L41-1005-33 | SMALL FIXED INDUCTOR (10UH) | | R150 | | | RK73GB2A820J | CHIP R 82 J 1/10W | |
| L418 | | | L41-5685-33 | SMALL FIXED INDUCTOR (0.56UH) | | R151 | | | RK73GB2A101J | CHIP R 100 J 1/10W | |
| L419,420 | | | L41-6885-33 | SMALL FIXED INDUCTOR (0.68UH) | | R152 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | |
| L421 | | | L41-5685-33 | SMALL FIXED INDUCTOR (0.56UH) | | R153 | | | RK73GB2A271J | CHIP R 270 J 1/10W | |
| L422 | | | L39-1517-05 | TOROIDAL COIL | | R154 | | | RK73GB2A180J | CHIP R 18 J 1/10W | |
| L423 | | | L41-3305-33 | SMALL FIXED INDUCTOR (33UH) | | R155 | | | RK73GB2A682J | CHIP R 6.8K J 1/10W | |
| L424 | | | L39-1517-05 | TOROIDAL COIL | | R156 | | | RK73GB2A182J | CHIP R 1.8K J 1/10W | |
| L425 | | | L41-3305-33 | SMALL FIXED INDUCTOR (33UH) | | R157 | | | RK73GB2A271J | CHIP R 270 J 1/10W | |
| L426,427 | | | L39-1517-05 | TOROIDAL COIL | | R158 | | | RK73GB2A103J | CHIP R 10K J 1/10W | |
| L430 | | | L41-5685-33 | SMALL FIXED INDUCTOR (0.56UH) | | R159-161 | | | RK73GB2A104J | CHIP R 100K J 1/10W | |
| L431 | | | L41-6885-33 | SMALL FIXED INDUCTOR (0.68UH) | | R164 | | | RK73GB2A104J | CHIP R 100K J 1/10W | |
| L433,434 | | | L41-3985-33 | SMALL FIXED INDUCTOR (0.39UH) | | R165-168 | | | RK73GB2A102J | CHIP R 1.0K J 1/10W | |
| L435 | | | L41-2205-33 | SMALL FIXED INDUCTOR (22UH) | | | | | | | |

PARTS LIST

TX UNIT (X56-3120-13)

| Ref. No. | Address | New parts | Parts No. | Description | Destination | Ref. No. | Address | New parts | Parts No. | Description | Destination |
|----------|---------|-----------|--------------|---------------------|-------------|----------|---------|-----------|--------------|---------------------|-------------|
| R170 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | | R264 | | | RK73GB2A100J | CHIP R 10 J 1/10W | |
| R171,172 | | | RK73GB2A470J | CHIP R 47 J 1/10W | | R265 | | | RK73GB2A471J | CHIP R 470 J 1/10W | |
| R173,174 | | | RK73GB2A102J | CHIP R 1.0K J 1/10W | | R266 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | |
| R176 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | | R267 | | | RK73GB2A271J | CHIP R 270 J 1/10W | |
| R178 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | | R268 | | | RK73GB2A180J | CHIP R 18 J 1/10W | |
| R179 | | | RK73GB2A224J | CHIP R 220K J 1/10W | | R269 | | | RK73GB2A271J | CHIP R 270 J 1/10W | |
| R180 | | | RK73GB2A101J | CHIP R 100 J 1/10W | | R270,271 | | | RK73GB2A472J | CHIP R 4.7K J 1/10W | |
| R181 | | | RK73GB2A184J | CHIP R 180K J 1/10W | | R272 | | | RK73GB2A100J | CHIP R 10 J 1/10W | |
| R182 | | | RN73GE1J101D | CHIP R 100 D 1/16W | | R274 | | | RK73GB2A221J | CHIP R 220 J 1/10W | |
| R183 | | | RN73GE1J151D | CHIP R 150 D 1/16W | | 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 | | | RK73GB2A223J | CHIP R 22K J 1/10W | |
| R207 | | | RK73GB2A121J | CHIP R 120 J 1/10W | | R317 | | | RK73GB2A104J | CHIP R 100K J 1/10W | |
| R208 | | | RK73GB2A101J | CHIP R 100 J 1/10W | | R318 | | | RK73GB2A472J | CHIP R 4.7K J 1/10W | |
| R210 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | | R319 | | | RK73GB2A104J | CHIP R 100K J 1/10W | |
| R212 | | | RK73GB2A562J | CHIP R 5.6K J 1/10W | | R320 | | | RK73GB2A470J | CHIP R 47 J 1/10W | |
| R213 | | | RK73GB2A152J | CHIP R 1.5K J 1/10W | | R321-323 | | | RK73GB2A100J | CHIP R 10 J 1/10W | |
| R215 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | | R324 | | | RK73GB2A682J | CHIP R 6.8K J 1/10W | |
| R216 | | | RK73GB2A470J | CHIP R 47 J 1/10W | | R325 | | | RK73GB2A332J | CHIP R 3.3K J 1/10W | |
| R218 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | | R326 | | | RK73GB2A100J | CHIP R 10 J 1/10W | |
| R220 | | | RK73GB2A392J | CHIP R 3.9K J 1/10W | | R327,328 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | |
| R221 | | | RK73GB2A103J | CHIP R 10K J 1/10W | | R329,330 | | | RK73GB2A104J | CHIP R 100K J 1/10W | |
| R222 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | | R331,332 | | | RK73GB2A471J | CHIP R 470 J 1/10W | |
| R223 | | | RK73GB2A123J | CHIP R 12K J 1/10W | | R333 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | |
| R224 | | | RK73GB2A221J | CHIP R 220 J 1/10W | | R334 | | | RK73GB2A823J | CHIP R 82K J 1/10W | |
| R225 | | | RK73GB2A474J | CHIP R 470K J 1/10W | | R335 | | | RK73GB2A223J | CHIP R 22K J 1/10W | |
| R226 | | | RK73GB2A220J | CHIP R 22 J 1/10W | | R336 | | | RK73GB2A334J | CHIP R 330K J 1/10W | |
| R227 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | | R337 | | | RK73GB2A273J | CHIP R 27K J 1/10W | |
| R229 | | | RK73GB2A563J | CHIP R 56K J 1/10W | | R338 | | | RK73GB2A105J | CHIP R 1.0M J 1/10W | |
| R230 | | | RK73FB2B4R7J | CHIP R 4.7 J 1/8W | | R339 | | | RK73GB2A104J | CHIP R 100K J 1/10W | |
| R231,232 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | | R340 | | | RK73GB2A101J | CHIP R 100 J 1/10W | |
| R233 | | | RK73GB2A104J | CHIP R 100K J 1/10W | | R341 | | | RK73GB2A221J | CHIP R 220 J 1/10W | |
| R234,235 | | | RK73GB2A474J | CHIP R 470K J 1/10W | | R342 | | | RK73GB2A470J | CHIP R 47 J 1/10W | |
| R236 | | | RK73GB2A821J | CHIP R 820 J 1/10W | | R343 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | |
| R241 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | | R344-351 | | | RK73GB2A104J | CHIP R 100K J 1/10W | |
| R242 | | | RK73GB2A474J | CHIP R 470K J 1/10W | | R352 | | | RK73GB2A123J | CHIP R 12K J 1/10W | |
| R243 | | | RK73GB2A392J | CHIP R 3.9K J 1/10W | | R353 | | | RK73GB2A332J | CHIP R 3.3K J 1/10W | |
| R244-246 | | | RK73GB2A102J | CHIP R 1.0K J 1/10W | | R355 | | | RK73GB2A221J | CHIP R 220 J 1/10W | |
| R247-249 | | | RK73GB2A104J | CHIP R 100K J 1/10W | | R356 | | | RK73GB2A100J | CHIP R 10 J 1/10W | |
| R250 | | | RK73GB2A474J | CHIP R 470K J 1/10W | | R357 | | | RK73GB2A101J | CHIP R 100 J 1/10W | |
| R251 | | | RK73GB2A100J | CHIP R 10 J 1/10W | | R358 | | | RK73GB2A105J | CHIP R 1.0M J 1/10W | |
| R252 | | | RK73GB2A104J | CHIP R 100K J 1/10W | | R360 | | | RK73GB2A104J | CHIP R 100K J 1/10W | |
| R253 | | | RK73GB2A331J | CHIP R 330 J 1/10W | | R362 | | | RK73GB2A100J | CHIP R 10 J 1/10W | |
| R254 | | | RK73GB2A100J | CHIP R 10 J 1/10W | | R363 | | | RK73GB2A471J | CHIP R 470 J 1/10W | |
| R255 | | | RK73GB2A274J | CHIP R 270K J 1/10W | | R364 | | | RK73GB2A104J | CHIP R 100K J 1/10W | |
| R256 | | | RK73GB2A102J | CHIP R 1.0K J 1/10W | | R367 | | | RK73GB2A104J | CHIP R 100K J 1/10W | |
| R257,258 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | | R368 | | | RK73GB2A822J | CHIP R 8.2K J 1/10W | |
| R259 | | | RK73GB2A562J | CHIP R 5.6K J 1/10W | | R369 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | |
| R260 | | | RK73GB2A331J | CHIP R 330 J 1/10W | | R370 | | | RK73GB2A182J | CHIP R 1.8K J 1/10W | |
| R261 | | | RK73GB2A562J | CHIP R 5.6K J 1/10W | | R371 | | | RK73GB2A2R2J | CHIP R 2.2 J 1/10W | |
| R262 | | | RK73GB2A102J | CHIP R 1.0K J 1/10W | | R374 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | |
| R263 | | | RK73GB2A563J | CHIP R 56K J 1/10W | | R375,376 | | | RK73GB2A563J | CHIP R 56K J 1/10W | |

PARTS LIST

TX UNIT (X56-3120-13)

| Ref. No. | Address | New parts | Parts No. | Description | Desti-nation | Ref. No. | Address | New parts | Parts No. | Description | Desti-nation |
|----------|---------|-----------|--------------|---------------------|--------------|----------|---------|-----------|--------------|---------------------|--------------|
| 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 | |
| R430,431 | | | RK73GB2A100J | CHIP R 10 J 1/10W | | R518 | | | RK73GB2A104J | CHIP R 100K J 1/10W | |
| R433 | | | RK73GB2A102J | CHIP R 1.0K J 1/10W | | R519 | | | RK73GB2A124J | CHIP R 120K J 1/10W | |
| R434 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | | R521 | | | RK73GB2A223J | CHIP R 22K J 1/10W | |
| R435 | | | RK73GB2A104J | CHIP R 100K J 1/10W | | R522 | | | RK73GB2A822J | CHIP R 8.2K J 1/10W | |
| R436,437 | | | RK73GB2A102J | CHIP R 1.0K J 1/10W | | R523,524 | | | RK73GB2A221J | CHIP R 220 J 1/10W | |
| R438 | | | RK73GB2A104J | CHIP R 100K J 1/10W | | R525 | | | RK73GB2A471J | CHIP R 470 J 1/10W | |
| R439 | | | RK73GB2A2R2J | CHIP R 2.2 J 1/10W | | R526 | | | RK73GB2A473J | CHIP R 47K J 1/10W | |
| R440 | | | RK73GB2A103J | CHIP R 10K J 1/10W | | R527 | | | RK73GB2A271J | CHIP R 270 J 1/10W | |
| R442 | | | RK73GB2A470J | CHIP R 47 J 1/10W | | R528 | | | RK73GB2A152J | CHIP R 1.5K J 1/10W | |
| R447 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | | R529 | | | RK73GB2A153J | CHIP R 15K J 1/10W | |
| R452,453 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | | R530 | | | RK73GB2A120J | CHIP R 12 J 1/10W | |
| R454,455 | | | RK73GB2A105J | CHIP R 1.0M J 1/10W | | R531 | | | RK73GB2A474J | CHIP R 470K J 1/10W | |
| R457 | | | RK73GB2A333J | CHIP R 33K J 1/10W | | R532 | | | RK73GB2A271J | CHIP R 270 J 1/10W | |
| R458 | | | RK73GB2A104J | CHIP R 100K J 1/10W | | R533 | | | RK73GB2A104J | CHIP R 100K J 1/10W | |
| R459 | | | RK73GB2A472J | CHIP R 4.7K J 1/10W | | R534 | | | RK73GB2A221J | CHIP R 220 J 1/10W | |
| R460 | | | RK73GB2A183J | CHIP R 18K J 1/10W | | R535 | | | RK73GB2A104J | CHIP R 100K J 1/10W | |
| R461 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | | R536 | | | RK73GB2A102J | CHIP R 1.0K J 1/10W | |
| R463 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | | R538 | | | RK73GB2A102J | CHIP R 1.0K J 1/10W | |
| R464 | | | RK73GB2A221J | CHIP R 220 J 1/10W | | R539 | | | RK73GB2A100J | CHIP R 10 J 1/10W | |
| R465 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | | R540 | | | RK73GB2A474J | CHIP R 470K J 1/10W | |
| R466 | | | RK73GB2A470J | CHIP R 47 J 1/10W | | R541 | | | RK73FB2B1R0J | CHIP R 1.0 J 1/8W | |
| R469,470 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | | R542 | | | RK73GB2A102J | CHIP R 1.0K J 1/10W | |
| R471 | | | RK73GB2A102J | CHIP R 1.0K J 1/10W | | R543 | | | RK73GB2A220J | CHIP R 22 J 1/10W | |
| R474 | | | RK73GB2A682J | CHIP R 6.8K J 1/10W | | R544 | | | RK73GB2A104J | CHIP R 100K J 1/10W | |
| R475 | | | RK73GB2A332J | CHIP R 3.3K J 1/10W | | R545 | | | RK73GB2A470J | CHIP R 47 J 1/10W | |
| R476,477 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | | R547 | | | RK73GB2A472J | CHIP R 4.7K J 1/10W | |
| R478 | | | RK73GB2A153J | CHIP R 15K J 1/10W | | R548 | | | RK73GB2A473J | CHIP R 47K J 1/10W | |
| R479 | | | RK73GB2A2R2J | CHIP R 2.2 J 1/10W | | R549 | | | RK73GB2A331J | CHIP R 330 J 1/10W | |
| R480 | | | RK73GB2A682J | CHIP R 6.8K J 1/10W | | R550 | | | RK73GB2A104J | CHIP R 100K J 1/10W | |
| R481 | | | RK73GB2A182J | CHIP R 1.8K J 1/10W | | R551 | | | RK73GB2A473J | CHIP R 47K J 1/10W | |
| R482 | | | RK73GB2A103J | CHIP R 10K J 1/10W | | R552 | | | RK73GB2A104J | CHIP R 100K J 1/10W | |
| R483 | | | RK73GB2A562J | CHIP R 5.6K J 1/10W | | R553 | | | RK73GB2A223J | CHIP R 22K J 1/10W | |
| R484 | | | RK73GB2A101J | CHIP R 100 J 1/10W | | R554 | | | RK73GB2A180J | CHIP R 18 J 1/10W | |
| R485 | | | RK73GB2A392J | CHIP R 3.9K J 1/10W | | R555 | | | RK73GB2A102J | CHIP R 1.0K J 1/10W | |
| R486 | | | RK73GB2A221J | CHIP R 220 J 1/10W | | R556 | | | RK73GB2A122J | CHIP R 1.2K J 1/10W | |
| R487 | | | RK73GB2A102J | CHIP R 1.0K J 1/10W | | R557 | | | RK73GB2A473J | CHIP R 47K J 1/10W | |
| R488 | | | RK73GB2A822J | CHIP R 8.2K J 1/10W | | R558 | | | RK73GB2A331J | CHIP R 330 J 1/10W | |
| R489 | | | RK73GB2A272J | CHIP R 2.7K J 1/10W | | R560 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | |
| R490 | | | RK73GB2A470J | CHIP R 47 J 1/10W | | R561 | | | RK73GB2A102J | CHIP R 1.0K J 1/10W | |
| R492 | | | RK73GB2A471J | CHIP R 470 J 1/10W | | R562 | | | RK73GB2A104J | CHIP R 100K J 1/10W | |

PARTS LIST

TX UNIT (X56-3120-13)

| Ref. No. | Address | New parts | Parts No. | Description | Destination | Ref. No. | Address | New parts | Parts No. | Description | Destination |
|----------|---------|-----------|--------------|---------------------|-------------|-----------|---------|-----------|--------------|------------------------------------|-------------|
| 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 | |
| R592 | | | RK73GB2A273J | CHIP R 27K J 1/10W | | R879 | | | RK73GB2A104J | CHIP R 100K J 1/10W | |
| R593 | | | RK73FB2B120J | CHIP R 12 J 1/8W | | R885 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | |
| R594 | | | RK73FB2B271J | CHIP R 270 J 1/8W | | R887-889 | | | RK73GB2A102J | CHIP R 1.0K J 1/10W | |
| R595 | | | RK73GB2A102J | CHIP R 1.0K J 1/10W | | R891 | | | RK73GB2A102J | CHIP R 1.0K J 1/10W | |
| R601 | | | RK73GB2A103J | CHIP R 10K J 1/10W | | R920-932 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | |
| R602 | | | RK73GB2A104J | CHIP R 100K J 1/10W | | R933 | | | RK73GB2A821J | CHIP R 820 J 1/10W | |
| R603 | | | RK73GB2A222J | CHIP R 2.2K J 1/10W | | R934,935 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | |
| R604 | | | RK73GB2A473J | CHIP R 47K J 1/10W | | R936,937 | | | RK73GB2A122J | CHIP R 1.2K J 1/10W | |
| R605 | | | RK73GB2A153J | CHIP R 15K J 1/10W | | R938,939 | | | RK73GB2A821J | CHIP R 820 J 1/10W | |
| R606 | | | RK73GB2A181J | CHIP R 180 J 1/10W | | R940 | | | RK73GB2A122J | CHIP R 1.2K J 1/10W | |
| R607 | | | RK73GB2A470J | CHIP R 47 J 1/10W | | R941 | | | RK73GB2A821J | CHIP R 820 J 1/10W | |
| R608 | | | RK73GB2A222J | CHIP R 2.2K J 1/10W | | R942 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | |
| R610 | | | RK73GB2A104J | CHIP R 100K J 1/10W | | R943 | | | RK73GH2A224D | CHIP R 220K D 1/10W | |
| R611 | | | RK73GB2A100J | CHIP R 10 J 1/10W | | R944,945 | | | RK73GB2A102J | CHIP R 1.0K J 1/10W | |
| R612 | | | RK73GB2A471J | CHIP R 470 J 1/10W | | R946 | | | RK73GB2A103J | CHIP R 10K J 1/10W | |
| R613 | | | RK73GB2A682J | CHIP R 6.8K J 1/10W | | R947 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | |
| R614 | | | RK73GB2A332J | CHIP R 3.3K J 1/10W | | R948,949 | | | RK73GH2A104D | CHIP R 100K D 1/10W | |
| R615 | | | RK73GB2A471J | CHIP R 470 J 1/10W | | R950 | | | RK73GH2A822D | CHIP R 8.2K D 1/10W | |
| R616 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | | R951 | | | RK73GB2A122J | CHIP R 1.2K J 1/10W | |
| R617 | | | RK73GB2A471J | CHIP R 470 J 1/10W | | R960-965 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | |
| R618 | | | RK73GB2A104J | CHIP R 100K J 1/10W | | R966,967 | | | RK73GB2A102J | CHIP R 1.0K J 1/10W | |
| R619 | | | RK73GB2A100J | CHIP R 10 J 1/10W | | VR401,402 | | | R32-0754-05 | SEMI FIXED VARIABLE RESISTOR (10K) | |
| R620 | | | RK73GB2A104J | CHIP R 100K J 1/10W | | S920-925 | | | S70-0502-05 | TACT SWITCH | |
| R621 | | | RK73GB2A471J | CHIP R 470 J 1/10W | | D101,102 | | | 1SV283F | VARIABLE CAPACITANCE DIODE | |
| R622 | | | RK73GB2A331J | CHIP R 330 J 1/10W | | D106 | | | 1SV278F | VARIABLE CAPACITANCE DIODE | |
| R623 | | | RK73GB2A392J | CHIP R 3.9K J 1/10W | | D107,108 | | | 1SV283F | VARIABLE CAPACITANCE DIODE | |
| R624 | | | RK73GB2A474J | CHIP R 470K J 1/10W | | D112 | | | 1SV278F | VARIABLE CAPACITANCE DIODE | |
| R625 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | | D201 | | | HSM88AS-E | DIODE | |
| R626-628 | | | RK73GB2A102J | CHIP R 1.0K J 1/10W | | D401-403 | | | HSM88AS-E | DIODE | |
| R629 | | | RK73GB2A101J | CHIP R 100 J 1/10W | | D404,405 | | | JDP4P02U | DIODE | |
| R630 | | | RK73GB2A102J | CHIP R 1.0K J 1/10W | | D406,407 | | | HSC119 | DIODE | |
| R631 | | | RK73GB2A561J | CHIP R 560 J 1/10W | | D408 | | | HSM88AS-E | DIODE | |
| R637,638 | | | RK73GB2A472J | CHIP R 4.7K J 1/10W | | D409 | | | CSA70-401L | SURGE ABSORBER | |
| R639,640 | | | RK73GH2A104D | CHIP R 100K D 1/10W | | D601,602 | | | JDP4P02U | DIODE | |
| R705 | | | RK73GB2A2R2J | CHIP R 2.2 J 1/10W | | D603-606 | | | UDZS3.0B | ZENER DIODE | |
| R706-708 | | | RK73GB2A100J | CHIP R 10 J 1/10W | | D933,934 | | | HSM88AS-E | DIODE | |
| R709 | | | RK73GB2A474J | CHIP R 470K J 1/10W | | D935,936 | | | 1SS355 | DIODE | |
| R711 | | | RK73GB2A104J | CHIP R 100K J 1/10W | | D960,961 | | | PSA05-11SRWA | LED | |
| R712,713 | | | RK73GB2A472J | CHIP R 4.7K J 1/10W | | | | | | | |
| R714 | | | RK73GB2A104J | CHIP R 100K J 1/10W | | | | | | | |

PARTS LIST

TX UNIT (X56-3120-13)

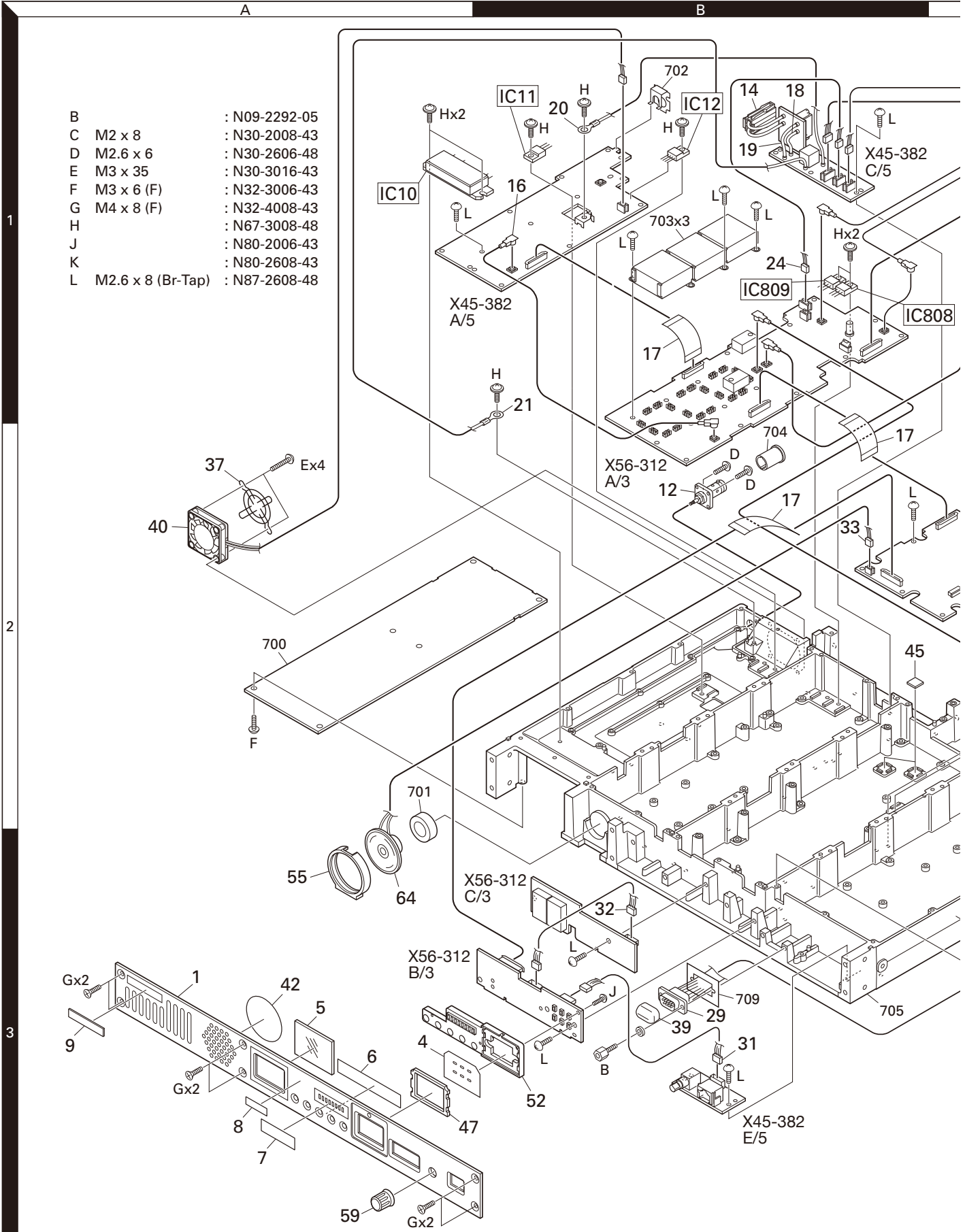
| Ref. No. | Address | New parts | Parts No. | Description | Destination | Ref. No. | Address | New parts | Parts No. | Description | Destination |
|-----------|---------|-----------|----------------|-------------|-------------|-----------|---------|-----------|---------------|-------------|-------------|
| IC101 | | | LMX2352TMX/NP | ANALOGUE IC | | Q410 | | | 2SA1832F | TRANSISTOR | |
| IC102 | | | LMC7101BIM5 | MOS-IC | | Q412 | | | 2SC4617(R) | TRANSISTOR | |
| IC104 | | | NJM2386ADL3-09 | ANALOGUE IC | | Q413,414 | | | SSM3K15TE(F) | FET | |
| IC201 | | | NJM2904E-ZB | ANALOGUE IC | | Q415-419 | | | 2SC4617(R) | TRANSISTOR | |
| IC202 | | | AD9835BRUZ | MOS-IC | | Q420 | | | 3SK317-E | FET | |
| IC301 | | | NJM2732V | BI-POLAR IC | | Q421 | | | SSM6L05FU-F | FET | |
| IC302 | | | NJU6368PF1 | MOS-IC | | Q422 | | | RD01MUS1-T113 | FET | |
| IC303 | | | ADF4001BRUZ | MOS-IC | | Q423 | | | SSM6L05FU-F | FET | |
| IC304 | | | M62364FP-F | MOS-IC | | Q424 | | | SSM3K15TE(F) | FET | |
| IC305 | | | NJM2732V | BI-POLAR IC | | Q425 | | | RD01MUS1-T113 | FET | |
| IC306 | | | LMC7101BIM5 | MOS-IC | | Q426 | | | SSM3J01F | FET | |
| IC307 | | | NJU6368PF1 | MOS-IC | | Q428,429 | | | SSM3K15TE(F) | FET | |
| IC308 | | | NJM2732V | BI-POLAR IC | | Q430,431 | | | 3SK317-E | FET | |
| IC401 | | | LMC7101BIM5 | MOS-IC | | Q601 | | | SSM3J01F | FET | |
| IC404 | | | ADF4001BRUZ | MOS-IC | | Q602 | | | SSM3K15TE(F) | FET | |
| IC405,406 | | * | TC7S59F-F | MOS-IC | | Q603 | | | 2SC4617(R) | TRANSISTOR | |
| IC407 | | | NJU6368PF1 | MOS-IC | | Q604 | | | SSM3K15TE(F) | FET | |
| IC408,409 | | | TA75S01F-F | MOS-IC | | Q605 | | | SSM3J01F | FET | |
| IC601 | | | AD9835BRUZ | MOS-IC | | Q606 | | | 2SC4617(R) | TRANSISTOR | |
| IC602 | | | NJU6368PF1 | MOS-IC | | Q607-609 | | | SSM3K15TE(F) | FET | |
| IC603 | | | XC6204B332M | MOS-IC | | Q701,702 | | | SSM3K15TE(F) | FET | |
| IC701 | | | BH2220FVM | ANALOGUE IC | | Q920-930 | | | UMG1N | TRANSISTOR | |
| IC702 | | | S24CS02AFJTBG | ROM IC | | Q931 | | | 2SC4116(Y)F | TRANSISTOR | |
| IC703 | | | BU4094BCFV | MOS-IC | | Q932 | | | 2SA1586(Y)F | TRANSISTOR | |
| IC704 | | | NJM78M08DL1AZB | ANALOGUE IC | | Q960-976 | | | UMG1N | TRANSISTOR | |
| IC705,706 | | | NJM78M05DL1AZB | ANALOGUE IC | | TH101,102 | | | 157-302-65801 | THERMISTOR | |
| IC801 | | | AD1582 | ANALOGUE IC | | | | | | | |
| IC802 | | | AD5312BRM | MOS-IC | | | | | | | |
| IC803 | | | AD7908BRU | MOS-IC | | | | | | | |
| IC804 | | | LM50BIM3/NOPB | MOS-IC | | | | | | | |
| IC805,806 | | | TC7SET126FU-F | MOS-IC | | | | | | | |
| IC807 | | | NJM78M05DL1AZB | ANALOGUE IC | | | | | | | |
| IC808,809 | 1B | | NJM7808FA-ZB | BI-POLAR IC | | | | | | | |
| IC920-922 | | | TC7SET126FU-F | MOS-IC | | | | | | | |
| IC923-925 | | | BU4094BCFV | MOS-IC | | | | | | | |
| IC926 | | | NJM2732V | BI-POLAR IC | | | | | | | |
| IC960-963 | | | BU4094BCFV | MOS-IC | | | | | | | |
| Q101 | | | SSM3K15TE(F) | FET | | | | | | | |
| Q102,103 | | * | 2SK2539-7 | FET | | | | | | | |
| Q104 | | | 2SC3356-A(R24) | TRANSISTOR | | | | | | | |
| Q105 | | | 2SC4116(BL)F | TRANSISTOR | | | | | | | |
| Q106 | | | 2SC3356-A(R24) | TRANSISTOR | | | | | | | |
| Q107,108 | | | 2SC4116(BL)F | TRANSISTOR | | | | | | | |
| Q109 | | | 2SA1832F | TRANSISTOR | | | | | | | |
| Q110 | | | SSM3K15TE(F) | FET | | | | | | | |
| Q201 | | | 2SC3356-A(R24) | TRANSISTOR | | | | | | | |
| Q202 | | | 2SC5337 | TRANSISTOR | | | | | | | |
| Q203 | | | RD01MUS1-T113 | FET | | | | | | | |
| Q204 | | | SSM3K15TE(F) | FET | | | | | | | |
| Q205 | | | SSM3J01F | FET | | | | | | | |
| Q206 | | | SSM3K15TE(F) | FET | | | | | | | |
| Q210 | | | SSM3K15TE(F) | FET | | | | | | | |
| Q211-213 | | | 2SC4617(R) | TRANSISTOR | | | | | | | |
| Q301,302 | | | SSM3K15TE(F) | FET | | | | | | | |
| Q303 | | | 2SA1832F | TRANSISTOR | | | | | | | |
| Q304,305 | | | 2SC4617(R) | TRANSISTOR | | | | | | | |
| Q307 | | | 2SC4617(R) | TRANSISTOR | | | | | | | |
| Q401,402 | | | 2SC4617(R) | TRANSISTOR | | | | | | | |
| Q405 | | | SSM3K15TE(F) | FET | | | | | | | |
| Q407-409 | | | SSM3K15TE(F) | FET | | | | | | | |

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

NXR-800

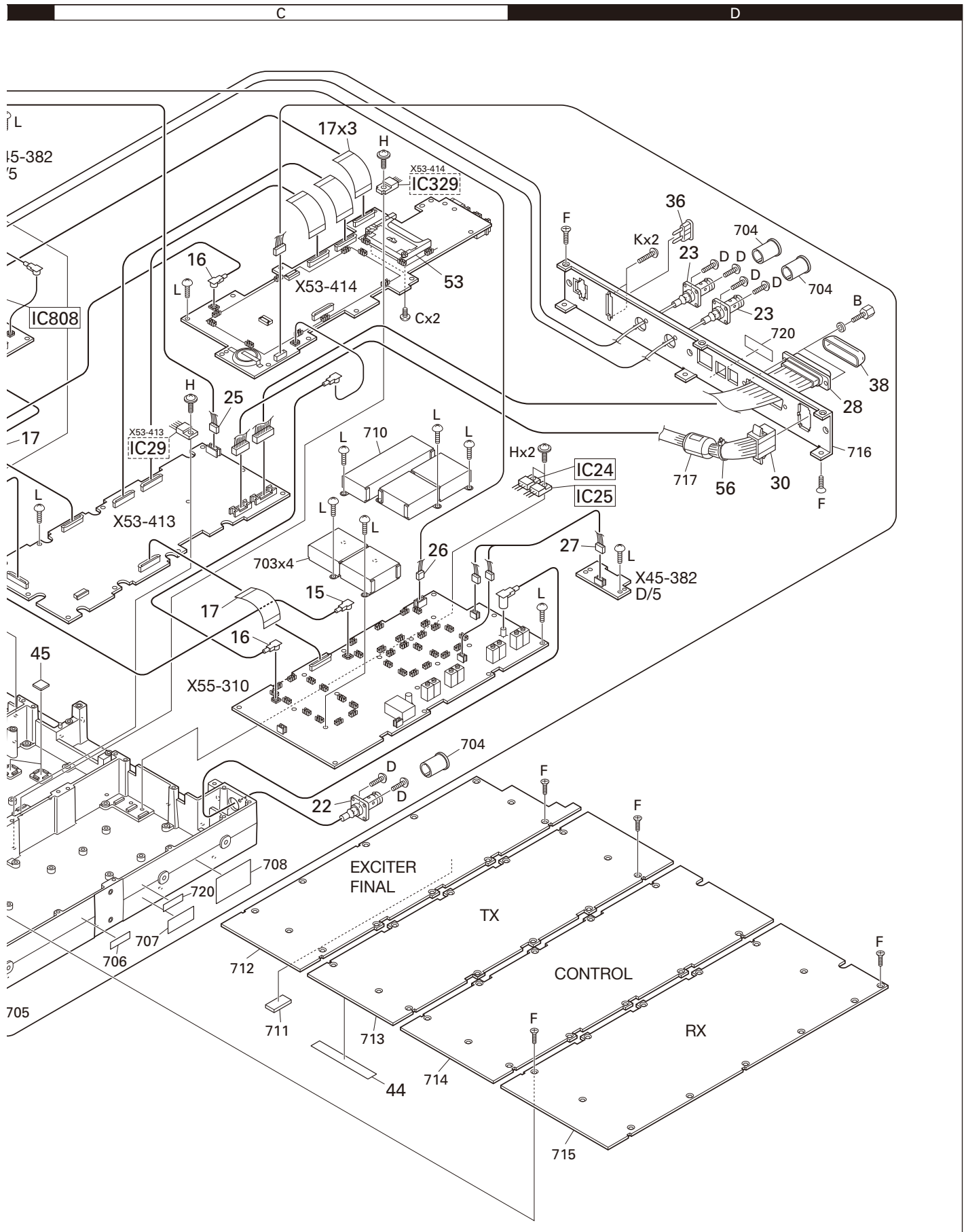
EXPLODED VIEW

| | | |
|---|-------------------|---------------|
| B | : | N09-2292-05 |
| C | M2 x 8 | : N30-2008-43 |
| D | M2.6 x 6 | : N30-2606-48 |
| E | M3 x 35 | : 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 |



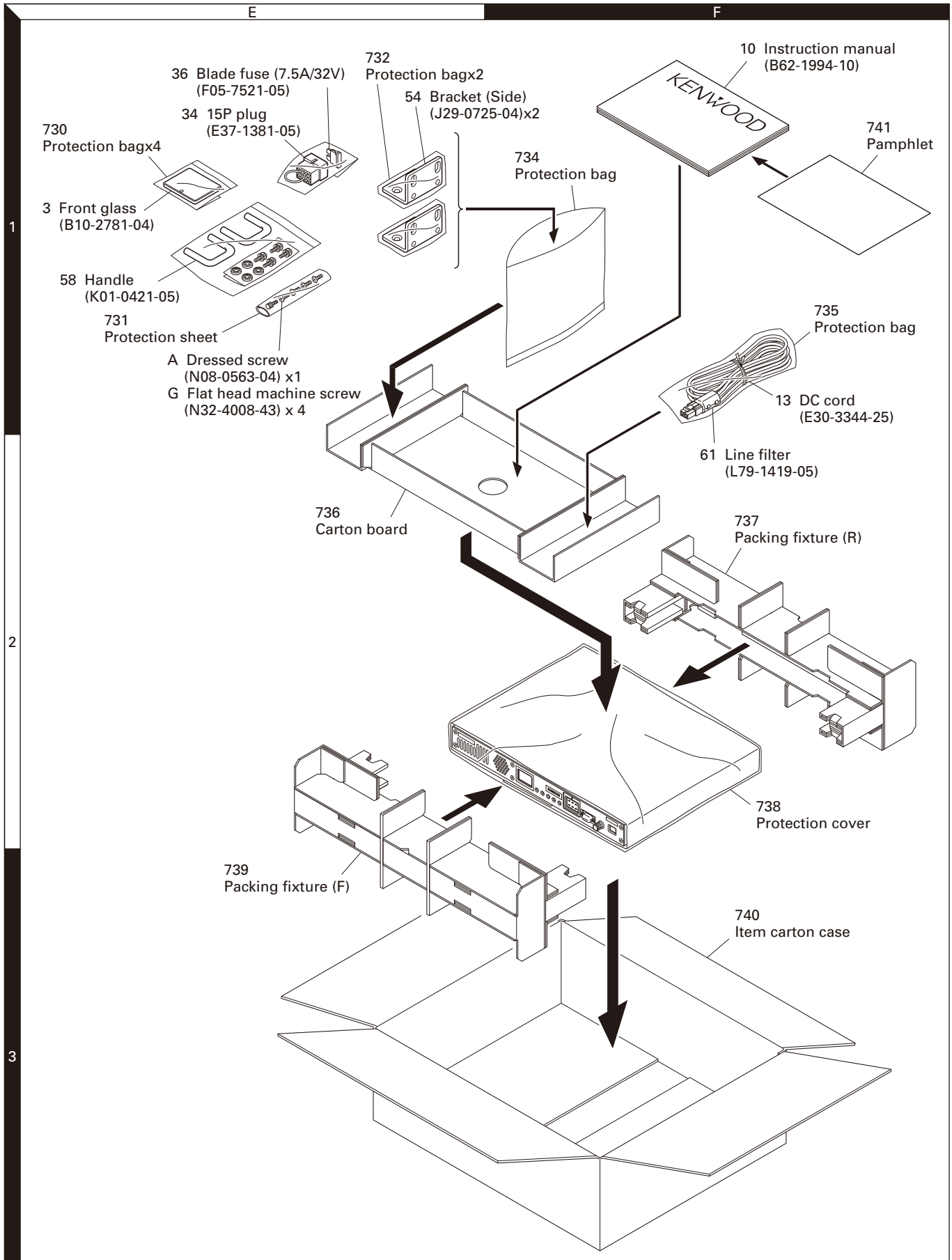
30 Parts with the exploded numbers larger than 700 are not supplied.
 If a part reference number is listed in a box on the exploded view of the PCB, that part does not come with the PCB.
 These parts must be ordered separately.

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, that part does not come with the PCB.
 These parts must be ordered separately.

PACKING

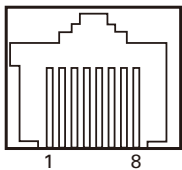


ADJUSTMENT

Test Equipment Required for Alignment

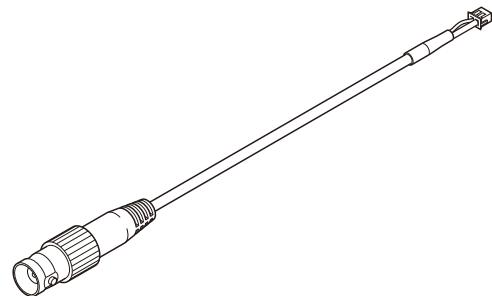
| Test Equipment | Major Specifications | |
|---------------------------------------|--|--|
| 1. Standard Signal Generator (SSG) | Frequency Range Modulation Output | 300 to 512MHz Frequency modulation and external modulation 0.1 μ V to greater than 1mV |
| 2. RF Power Meter | Input Impedance Operation Frequency Measurement Capability | 50 Ω 300 to 512MHz or more Vicinity of 100W |
| 3. Deviation Meter | Frequency Range | 300 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. DC 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 50k Ω /V or greater |
| 12. 4 Ω Dummy Load | | Approx. 4 Ω , 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)

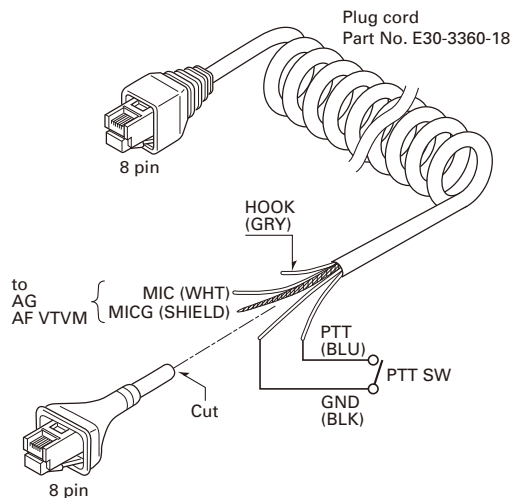


- 1: NC
- 2: SB
- 3: GND
- 4: PTT
- 5: MIG
- 6: MIC
- 7: HOOK
- 8: NC

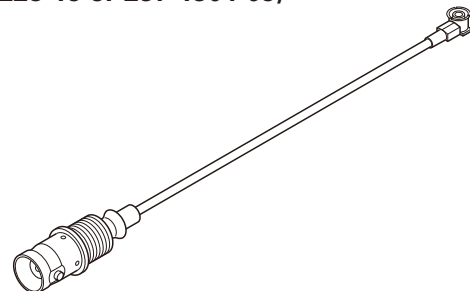
Jig for MCF adjustment (W05-1000-00)



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

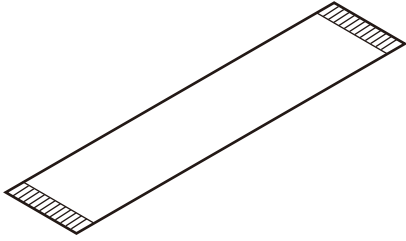


Jig for Drive AMP adjustment (E30-3228-15 or E37-1304-05)

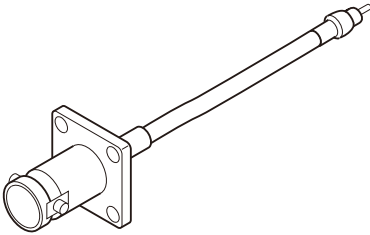


ADJUSTMENT

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



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



Test Signaling

Analog

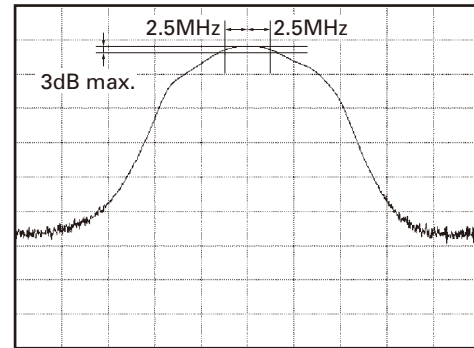
| No. | Decode tone | Encode tone |
|-----|--------------------------|--------------------------|
| 1 | None | None |
| 2 | None | 100Hz square wave |
| 3 | QT 67.0Hz | QT 67.0Hz |
| 4 | QT 151.4Hz | QT 151.4Hz |
| 5 | QT 210.7Hz | QT 210.7Hz |
| 6 | QT 254.1Hz | 1QT 254.1Hz |
| 7 | DQT D023N | DQT D023N |
| 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.

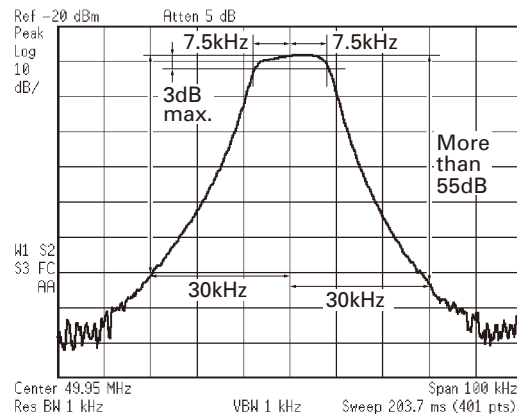
BPF



BPF center frequency (Production default): 390MHz
Pass bandwidth: $\pm 2.5\text{MHz}$ at 3dB

Fig. 1

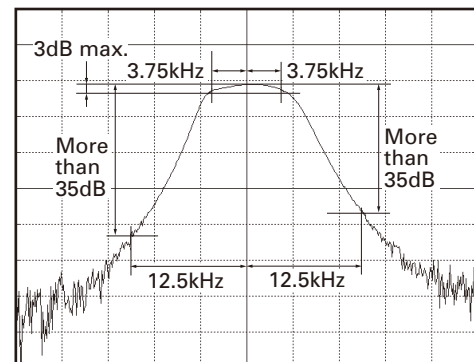
MCF (Wide)



Center frequency: 49.95MHz
Pass bandwidth: $\pm 7.5\text{MHz}$ at 3dB

Fig. 2

MCF (Narrow)

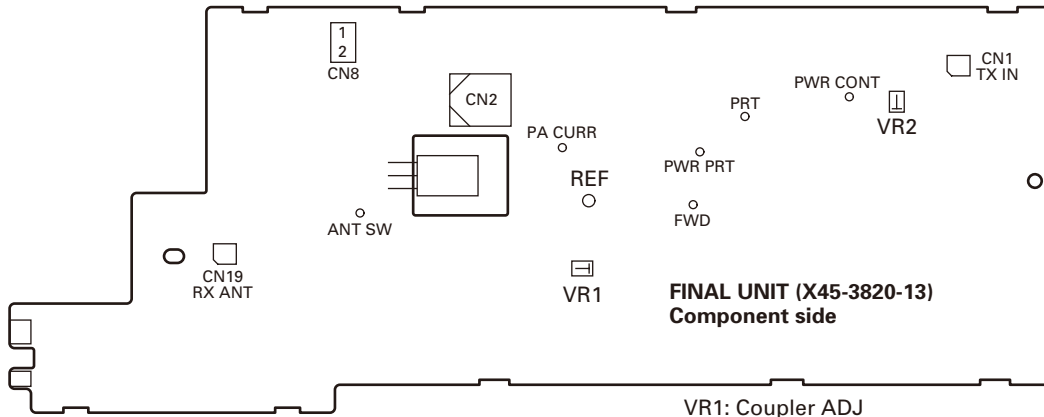


Center frequency: 49.95MHz
Pass bandwidth: $\pm 3.75\text{MHz}$ at 3dB

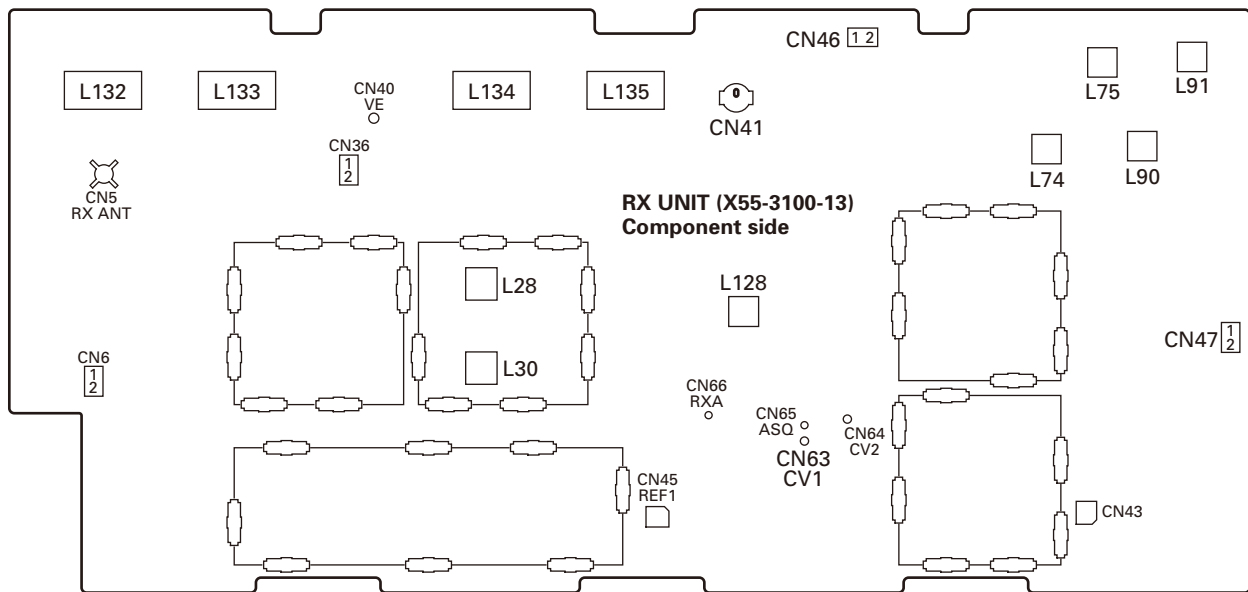
Fig. 3

ADJUSTMENT

Adjustment Points

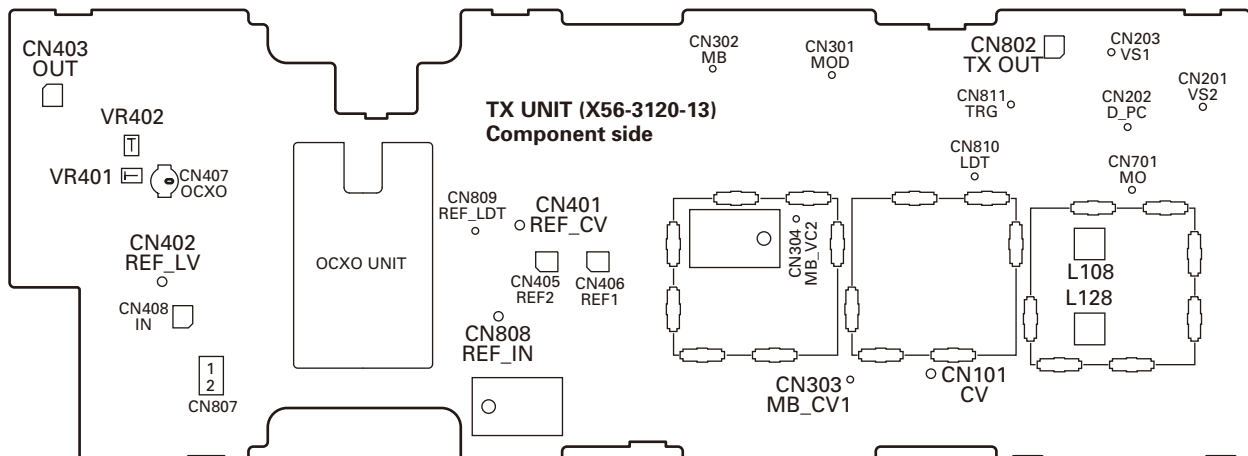


VR1: Coupler ADJ
VR2: High Transmit Power (Pre ADJ)



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-wired 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. VCTCXO Lock Voltage | 1) REF Low SSG frequency: 10MHz -10ppm (9.99999MHz) SSG output: 0dBm | SSG DVM | TX | REF IN REF CV (CN401) | | | Check | 1.5V or more |
| | 2) REF High SSG frequency: 10MHz +10ppm (10.00001MHz) SSG output: 0dBm | | | | | | | 3.5V or less |
| | 3) MOD Low SSG frequency: 10MHz -10ppm (9.99999MHz) SSG output: 0dBm | | | 1.5V or more | | | | |
| | 4) MOD High SSG frequency: 10MHz +10ppm (10.00001MHz) SSG output: 0dBm | | | 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 | | | | | | | |
| 7. Receive VCO Lock Voltage (Adjustment) | 1) A: Low | DVM | RX | CV1 | RX | L28 | Adjust the interval of the L28. 1.30~1.35V | 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. 1.50~1.55V | |

ADJUSTMENT

| Item | Condition | Measurement | | | Adjustment | | | Specifications / Remarks |
|---|---|-----------------------|---------|-------------------|------------|-----------|------------------|---|
| | | Test-equipment | Unit | Terminal | Unit | Parts | Method | |
| 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 | | | | | | | |
| 10. Receive VCO Lock Voltage (Check) | 1) A: Low | DVM PC | RX | CV1 | | | Check | 0.9V or more |
| | 2) A: High | | | | | | | 4.40V or less |
| | 3) B: Low | | | | | | | 1.00V or more |
| | 4) B: High | | | | | | | 4.3V or less |
| 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 REF_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 (CN808) | | 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) | ±0.1dB Disconnect the cable from TX OUT and insert a cable from power meter. After the adjustment, connect the cable to TX OUT. |

ADJUSTMENT

| Item | Condition | Measurement | | | Adjustment | | | Specifications / Remarks |
|---|--|---------------------------------------|-------|----------|------------|-----------|---|--|
| | | Test-equipment | Unit | Terminal | Unit | Parts | Method | |
| 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 | Adjust to the minimum value. | |
| 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 |
| 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 |
| | | | | | | | 0.50W | ±0.01W 3.3A or less |
| 19. Low Transmit Power | Frequency 1) Low 2) Center 3) High Attach the EXCITER/FINAL shield cover. | | | | | | | |
| 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.) | Modulation pattern : 100Hz square signal 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 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. |
| | | | | | | | Check | ±3.06kHz±0.20kHz Clean sine wave. |
| | Exit "Deviation" screen to "Test Mode" screen, then set test signaling mode to be "NXDN" and signaling number to be "3". Set Wide/Narrow drop down list to be "Narrow". Set test channel to be "1". Deviation meter setting HPF: OFF LPF: 15kHz De-emp: OFF Detector: +peak, -peak Push "Transmit" button, then measure the deviation. | | | | | | | |

ADJUSTMENT

| Item | Condition | Measurement | | | Adjustment | | | Specifications / Remarks |
|--------------------------------|---|------------------------------|---------------|---------------|------------|-----------|-------------|---|
| | | Test-equipment | Unit | Terminal | Unit | Parts | Method | |
| 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. |
| | ±1.7kHz | | | | | | ±0.1kHz | |
| 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 |

ADJUSTMENT

| Item | Condition | Measurement | | | Adjustment | | | Specifications / Remarks |
|-------------------------|--|-----------------|------|----------|------------|-----------|----------|--|
| | | Test-equipment | Unit | Terminal | Unit | Parts | Method | |
| 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. |
| | ±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. |
| | ±1.00kHz | | | | | | ±0.05kHz | |
| 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. |
| | ±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. |
| | ±1.50kHz | | | | | | ±0.05kHz | |

ADJUSTMENT

| Item | Condition | Measurement | | | Adjustment | | | Specifications / Remarks |
|-------------------------------|--|---|----------------|--|------------|------------------------------|--|--|
| | | Test-equipment | Unit | Terminal | Unit | Parts | Method | |
| 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 |
| 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 34) |
| 32 MCF | 1) Wide Tracking generator Output: -20dBm Spectrum analyzer Frequency: 49.95MHz Span: 100kHz | Tracking generator Spectrum analyzer | Rear RX | CN46 CN47 | RX | L74 L90 | Adjust it to look like the wave in figure 2. | Refer to Fig. 2. (Page 34) |
| | 2) Narrow Spectrum analyzer Span: 50kHz | | L75 L91 | Adjust it to look like the wave in figure 3. | | Refer to Fig. 3. (Page 34) | | |

ADJUSTMENT

| Item | Condition | Measurement | | | Adjustment | | | Specifications / Remarks |
|--------------------------------------|---|--|------|--|------------|-----------|--|------------------------------|
| | | Test-equipment | Unit | Terminal | Unit | Parts | Method | |
| 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 | | | | | | | |
| 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 Audio analyzer | 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 | | | | | | 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. | |

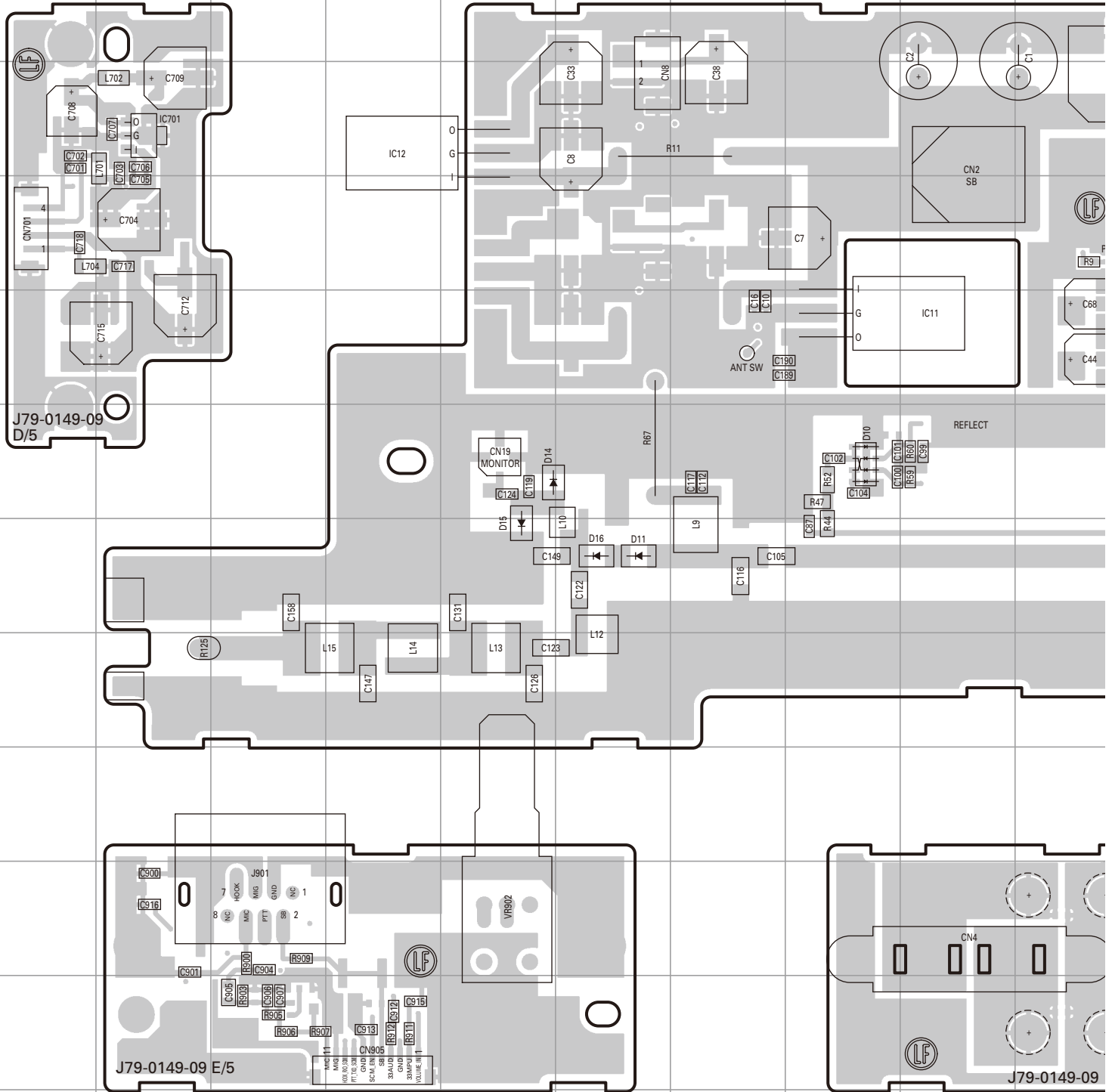
ADJUSTMENT

| Item | Condition | Measurement | | | Adjustment | | | Specifications / Remarks | |
|-------------------|---|---------------------------------------|------|--|------------|-----------|---|---|--|
| | | Test-equipment | Unit | Terminal | Unit | Parts | Method | | |
| 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 Audio analyzer | 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 | | | | | | 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 Narrow Connect the SSG to the RX ANT. SSG setting Frequency: Desired frequency MOD: 1kHz DEV: ±1.5kHz 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 | ±0.10kHz | |

NXR-800 PC BOARD

FINAL UNIT (X45-3820-13)

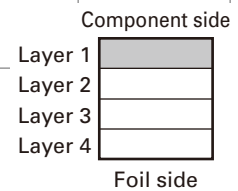
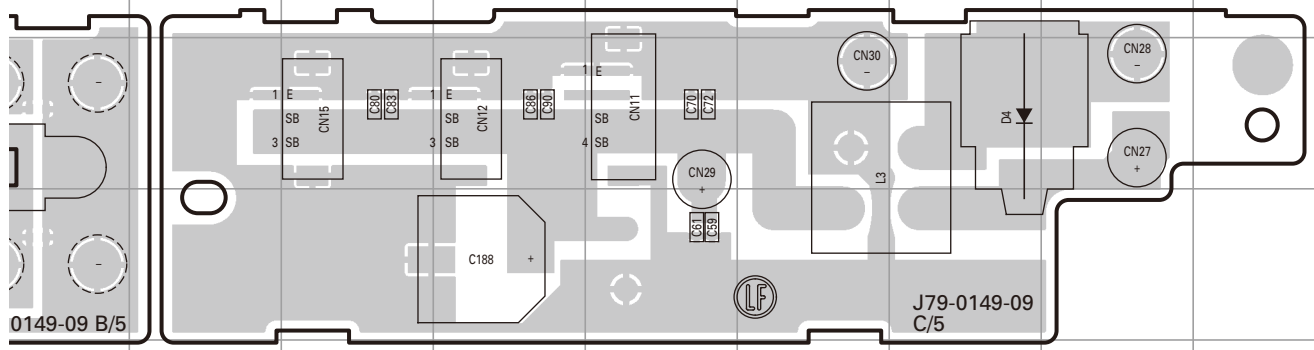
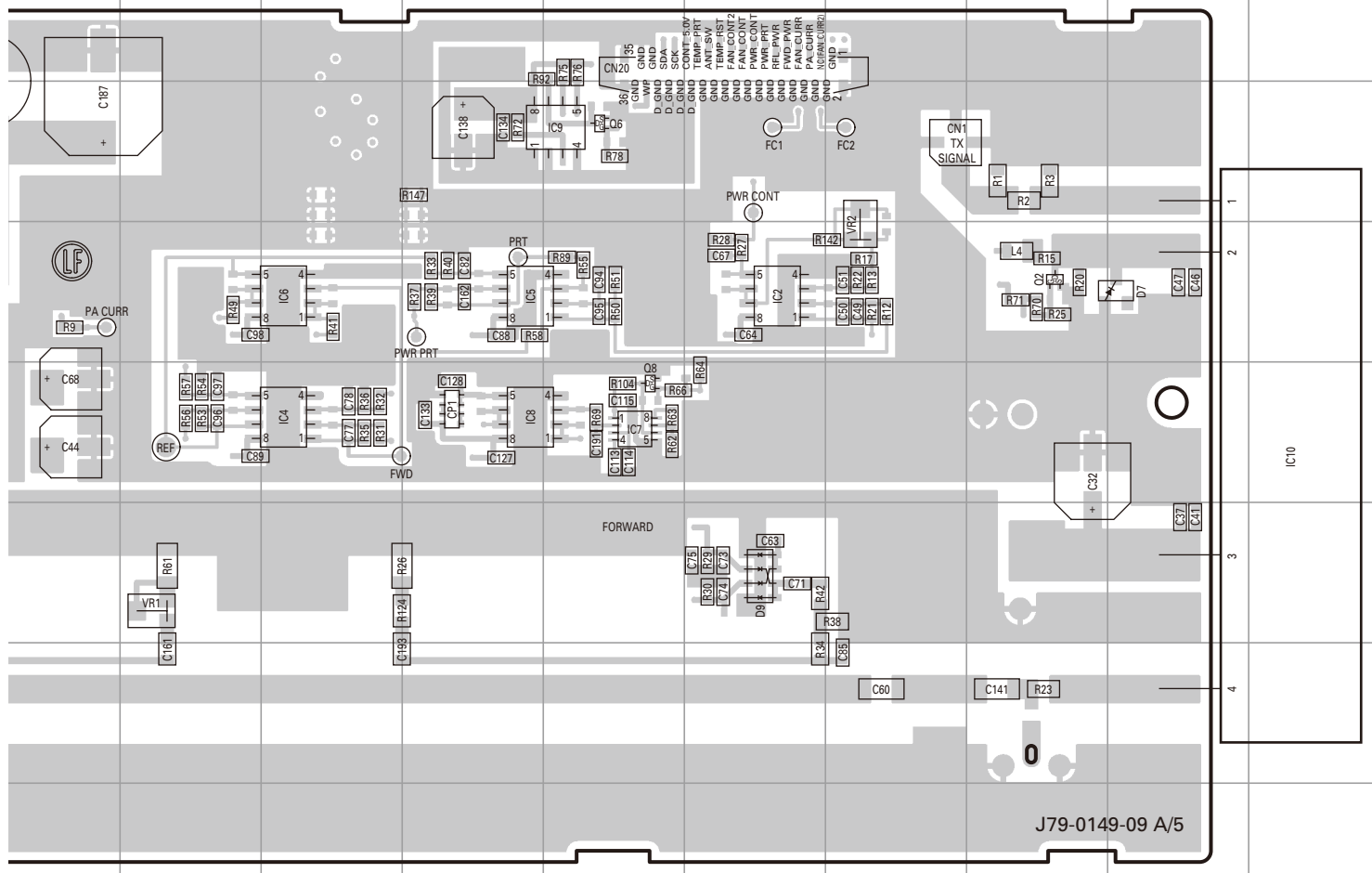
Component side view (J79-0149-09)



| 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

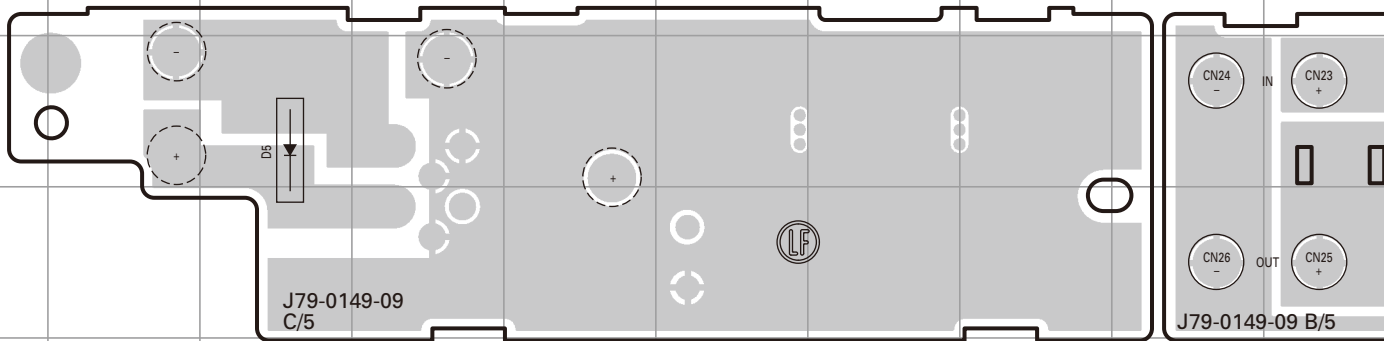
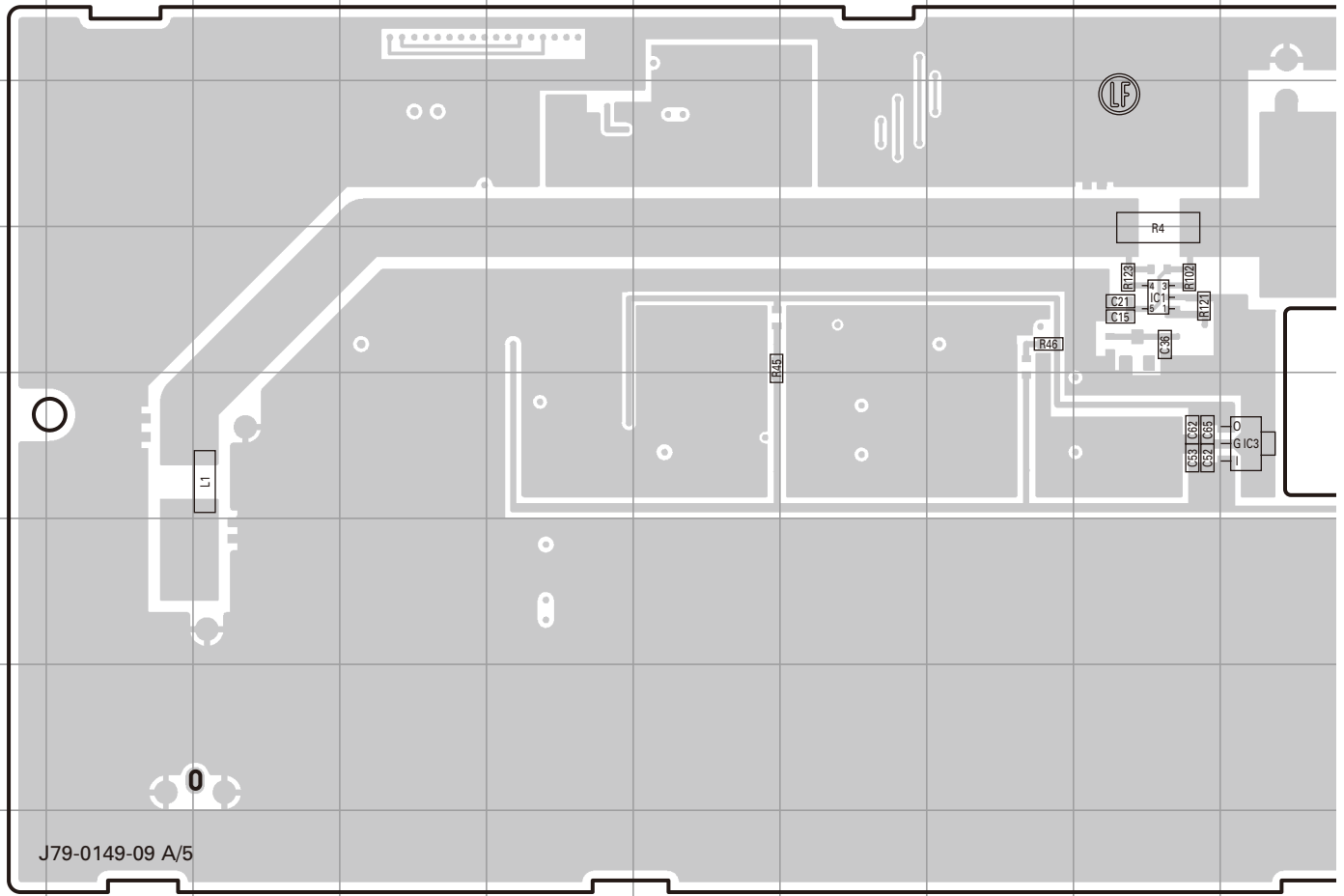
FINAL UNIT (X45-3820-13) Component side view (J79-0149-09)



NXR-800 PC BOARD

FINAL UNIT (X45-3820-13)

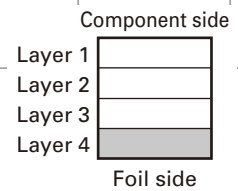
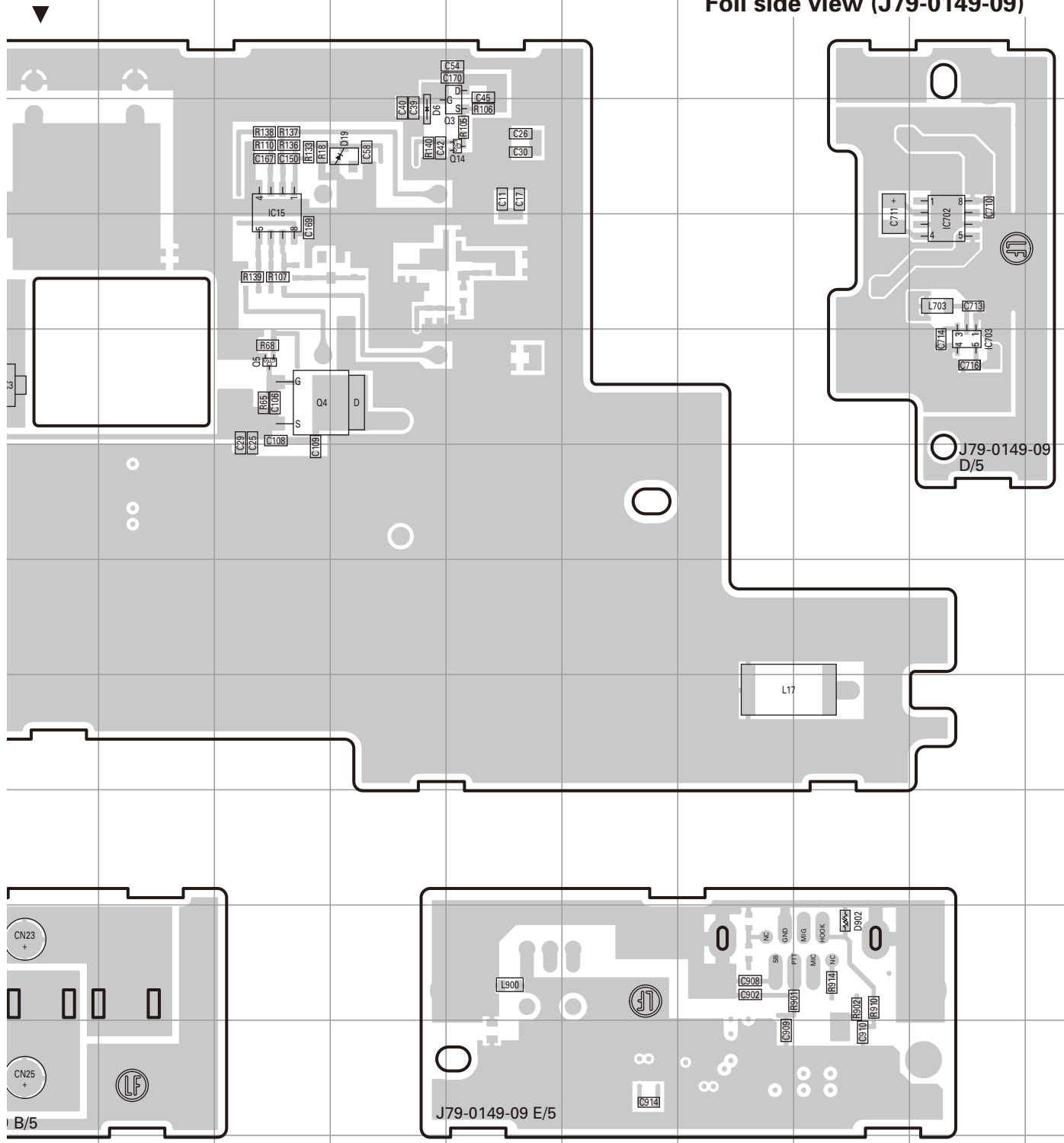
Foil side view (J79-0149-09)



| 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 | | |

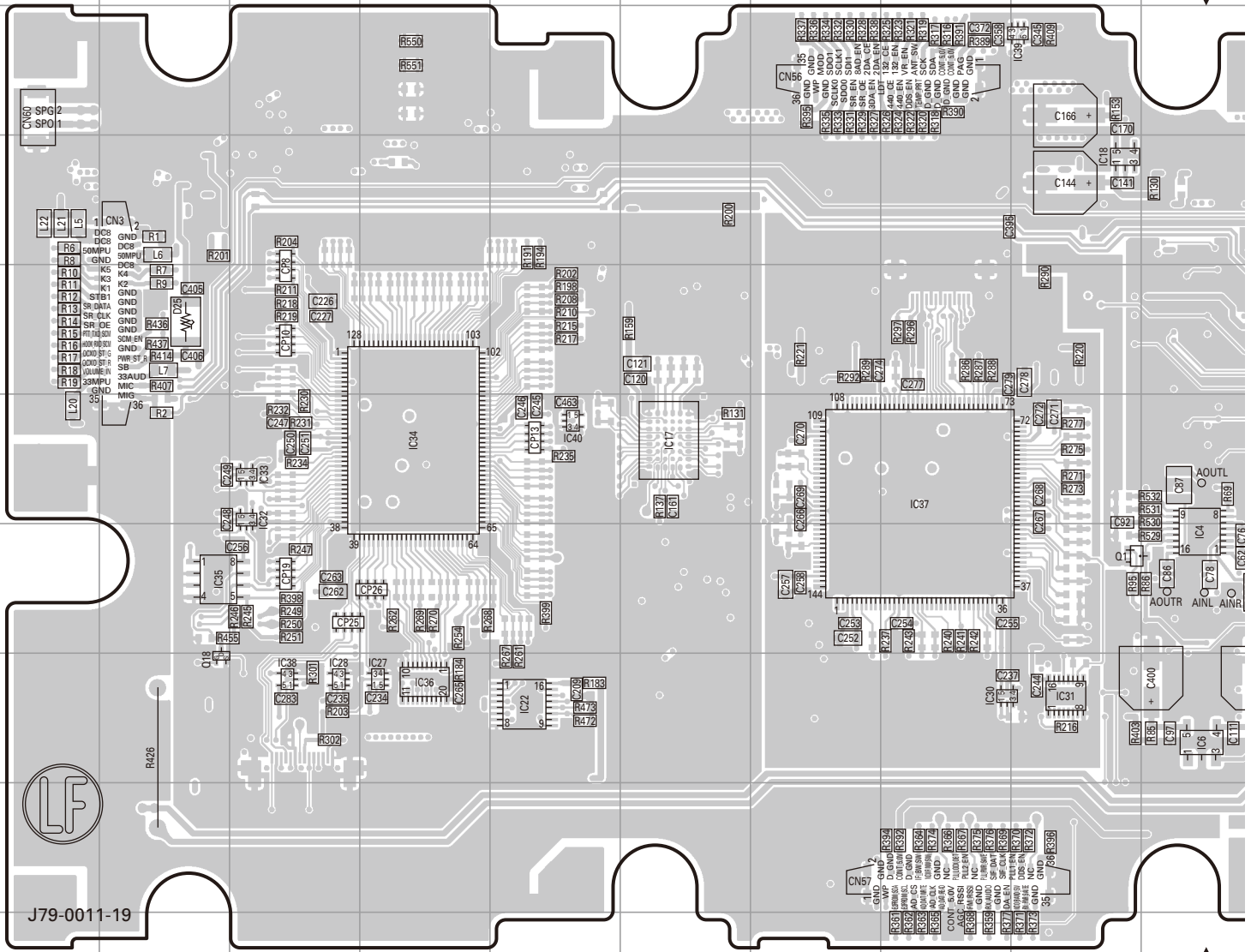
PC BOARD NXR-800

FINAL UNIT (X45-3820-13)
Foil side view (J79-0149-09)



NXR-800 PC BOARD

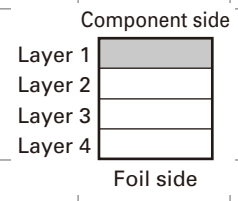
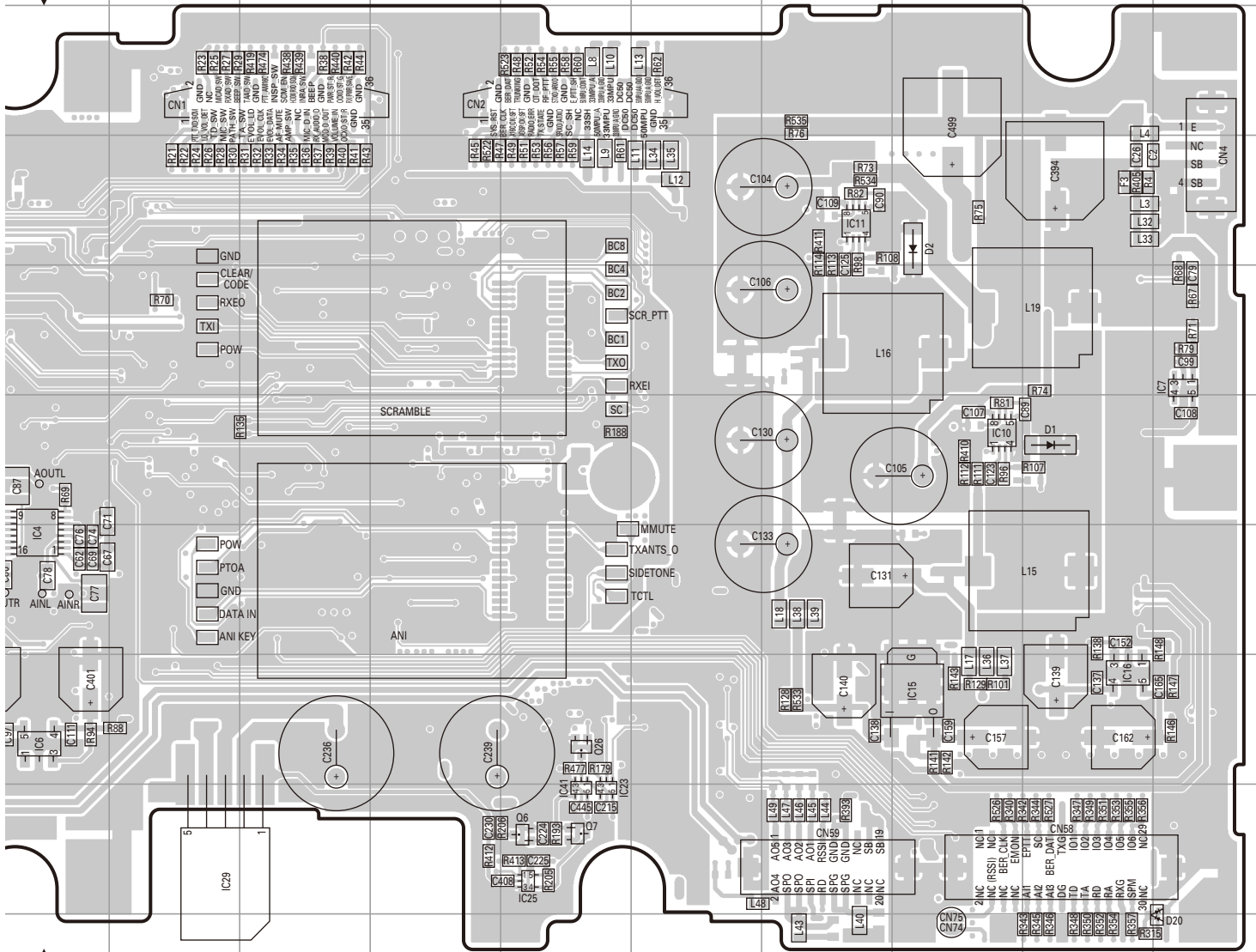
CONTROL UNIT (X53-4130-10) Component side view (J79-0011-19)



| 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 |

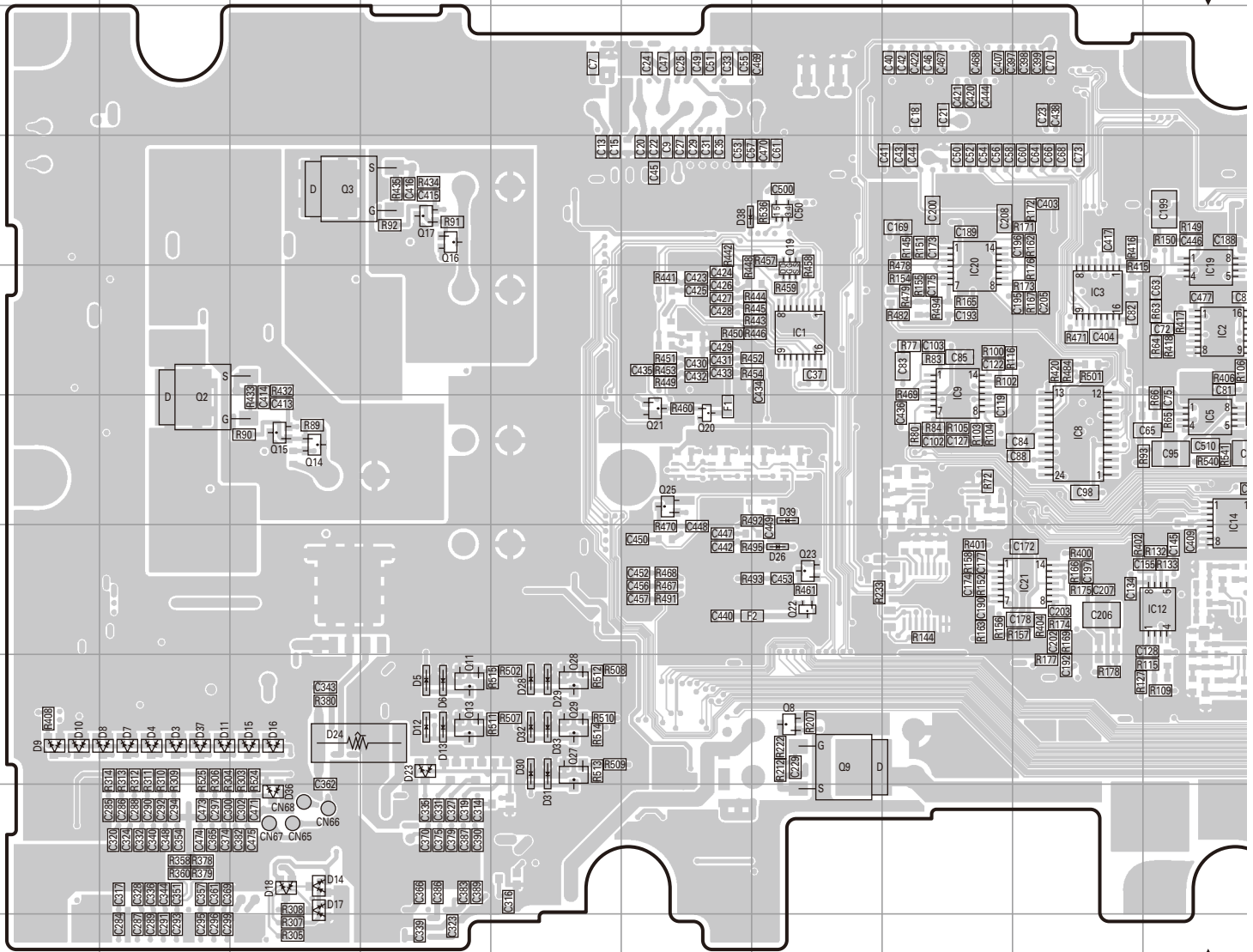
PC BOARD NXR-800

CONTROL UNIT (X53-4130-10) Component side view (J79-0011-19)



NXR-800 PC BOARD

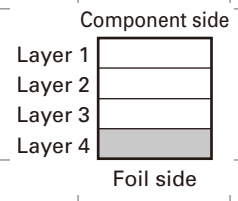
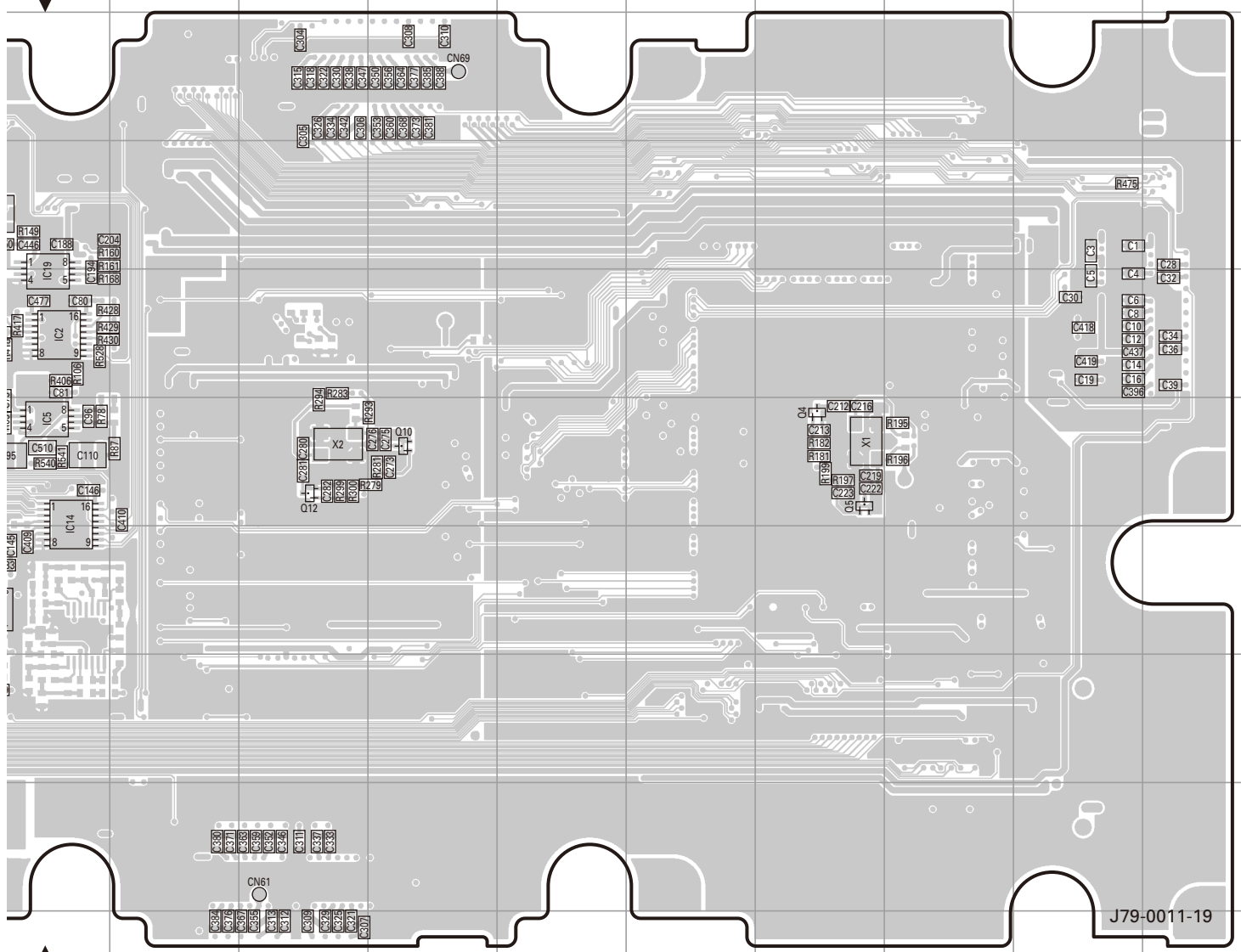
**CONTROL UNIT (X53-4130-10)
Foil side view (J79-0011-19)**



| 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 | | |

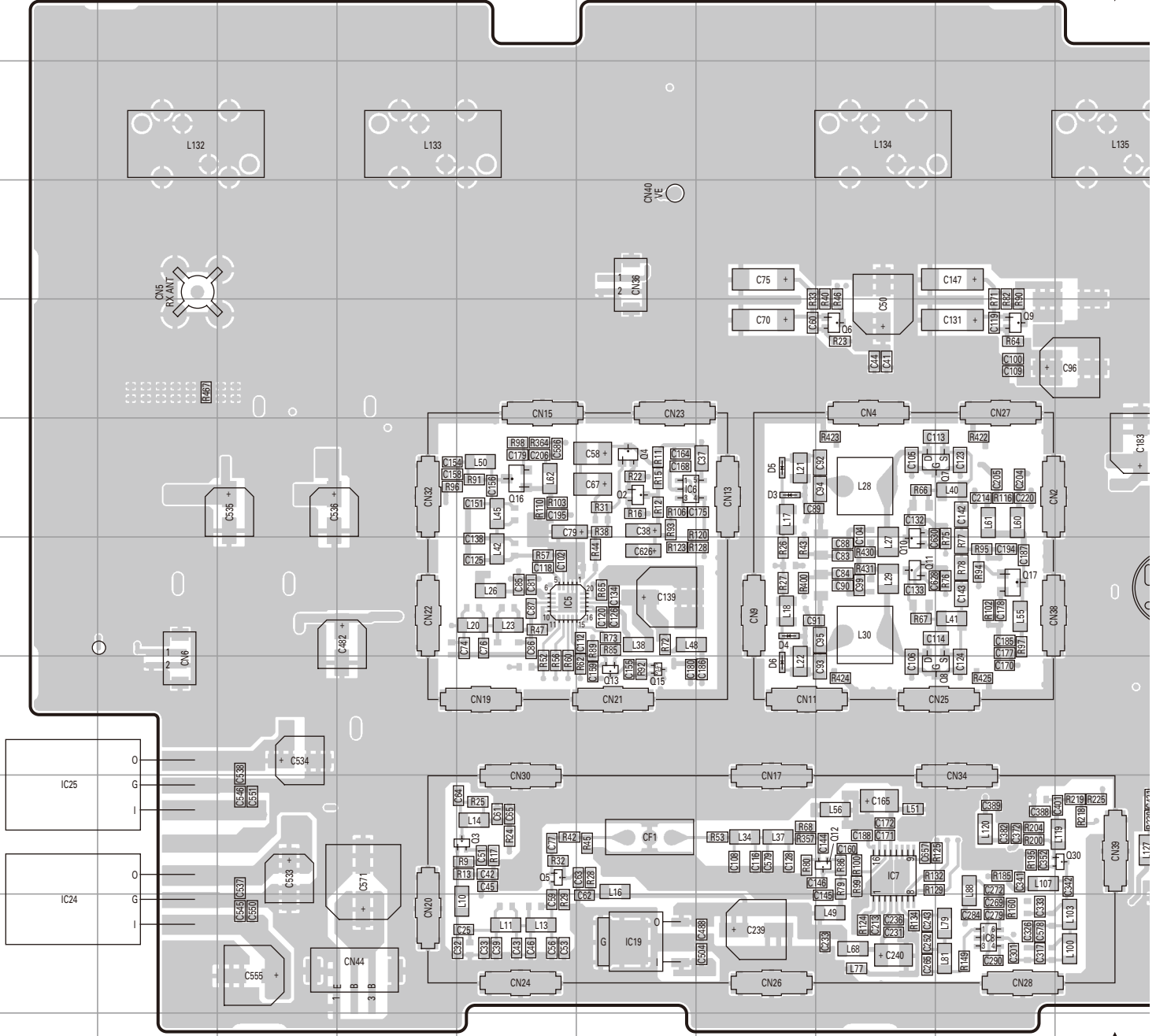
PC BOARD NXR-800

CONTROL UNIT (X53-4130-10)
Foil side view (J79-0011-19)



NXR-800 PC BOARD

RX UNIT (X55-3100-13)
Component side view (J79-0292-09)

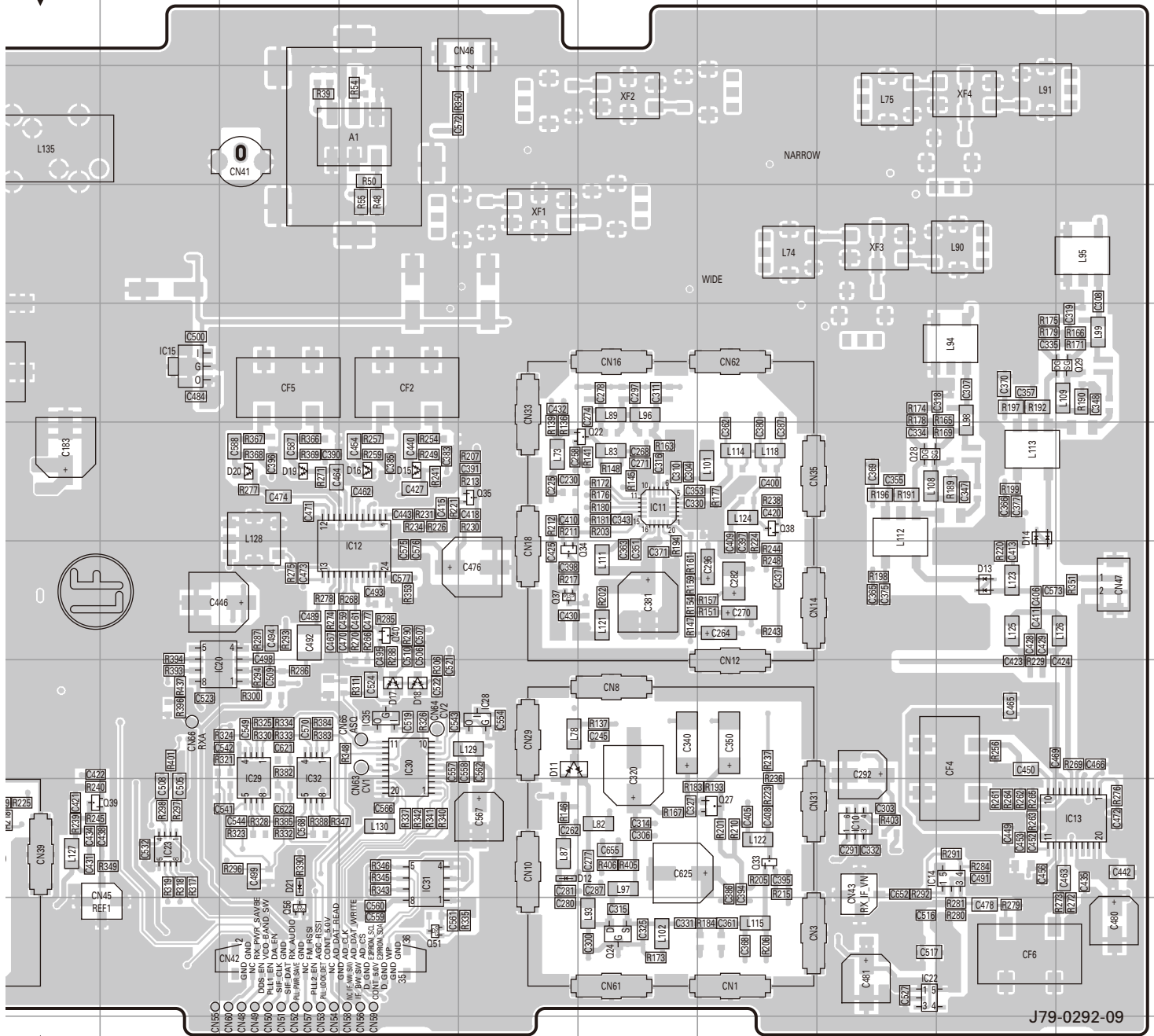


| Ref. No. | Address | Ref. No. | Address | Ref. No. | Address | Ref. No. | Address | Ref. No. | Address | Ref. No. | Address | Ref. No. | Address | Ref. No. | Address |
|----------|---------|----------|---------|----------|---------|----------|---------|----------|---------|----------|---------|----------|---------|----------|---------|
| 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 | | |

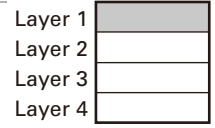
PC BOARD NXR-800

RX UNIT (X55-3100-13)

Component side view (J79-0292-09)



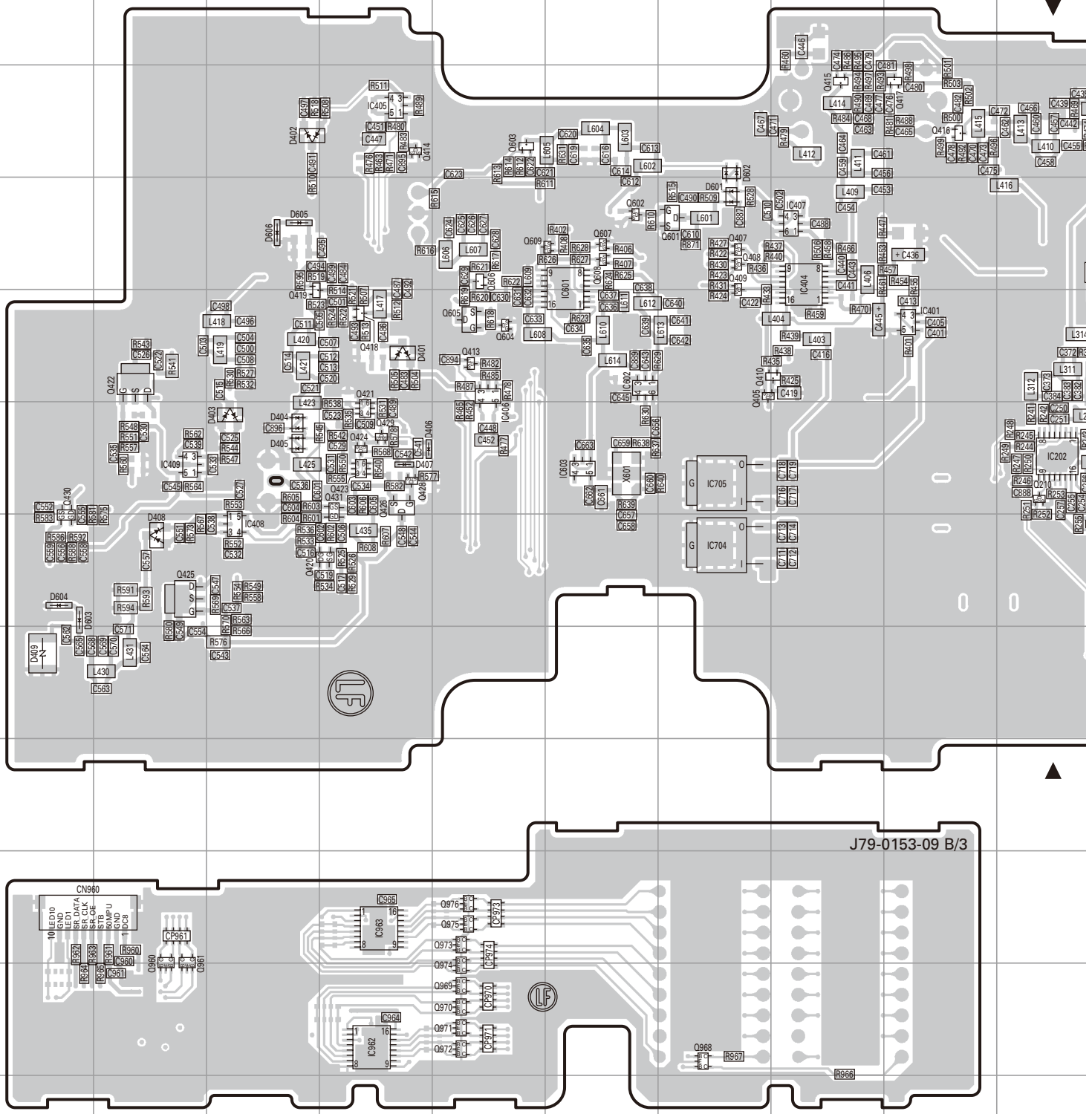
Component side



Foil side

NXR-800 PC BOARD

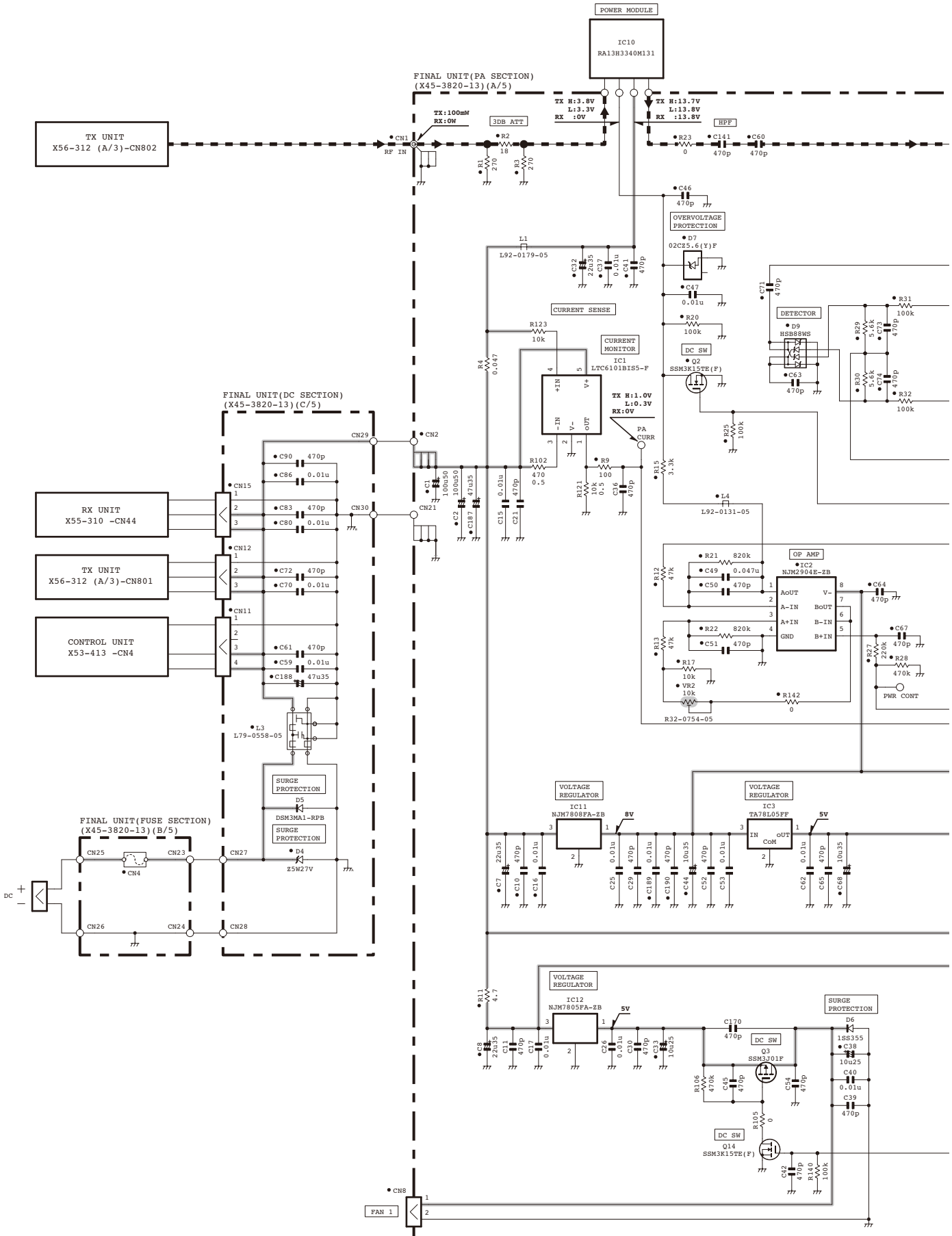
TX UNIT (X56-3120-13)
Foil side view (J79-0153-09)



J79-0153-09 B/3

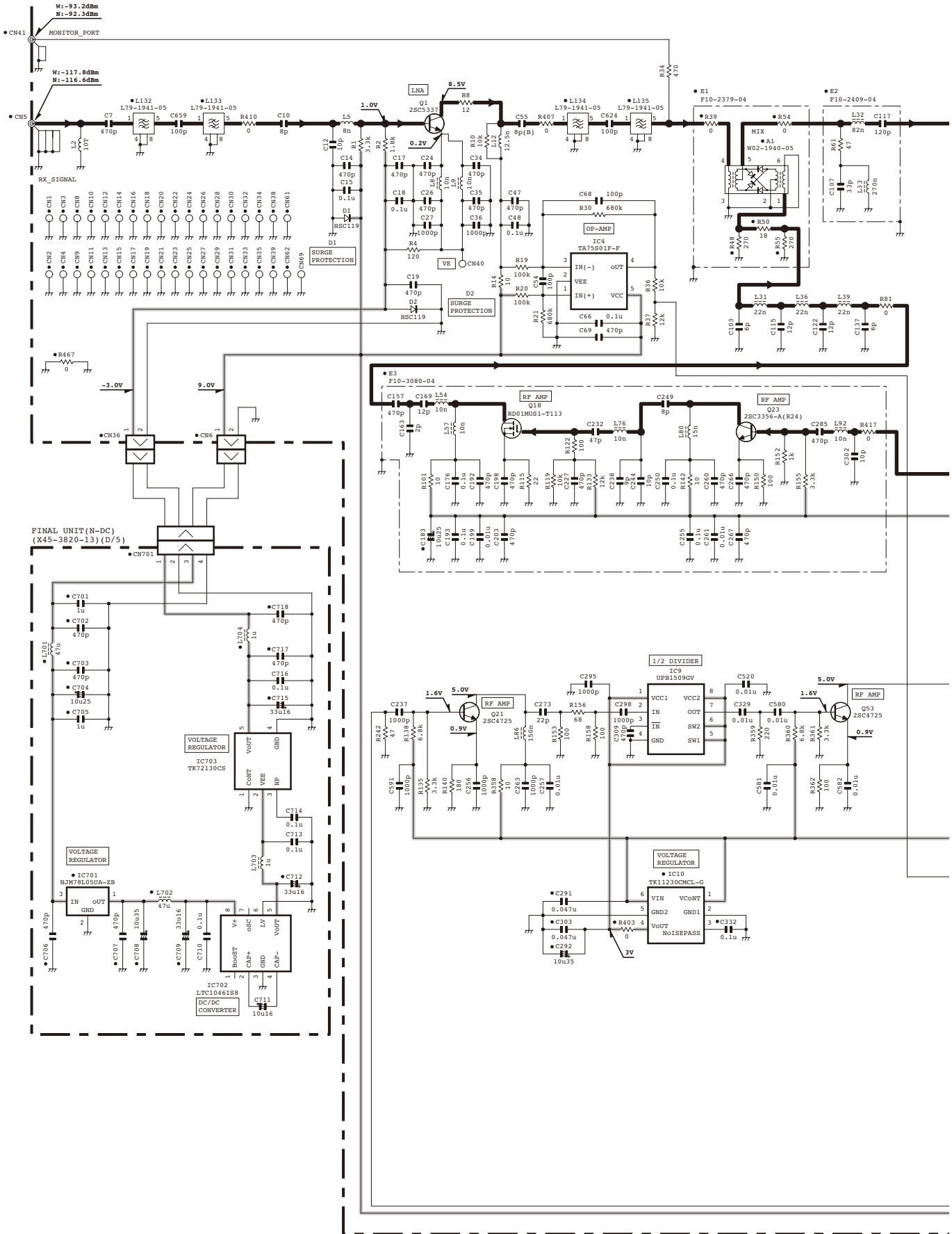
| | | | | | | | | | | | | | | | | | |
|-------|----|-------|----|-------|-----|-------|-----|------|----|------|----|------|----|------|----|------|-----|
| IC102 | 4O | IC404 | 4H | IC702 | 7L | IC926 | 11L | Q205 | 8P | Q407 | 4G | Q417 | 3I | Q426 | 6D | Q605 | 5E |
| IC104 | 2Q | IC405 | 3D | IC704 | 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 | 11N |
| IC401 | 5I | IC603 | 6F | IC925 | 11P | Q204 | 7P | Q405 | 5G | Q416 | 3I | Q425 | 7B | Q604 | 5E | Q921 | 11C |

NXR-800 SCHEMATIC DIAGRAM



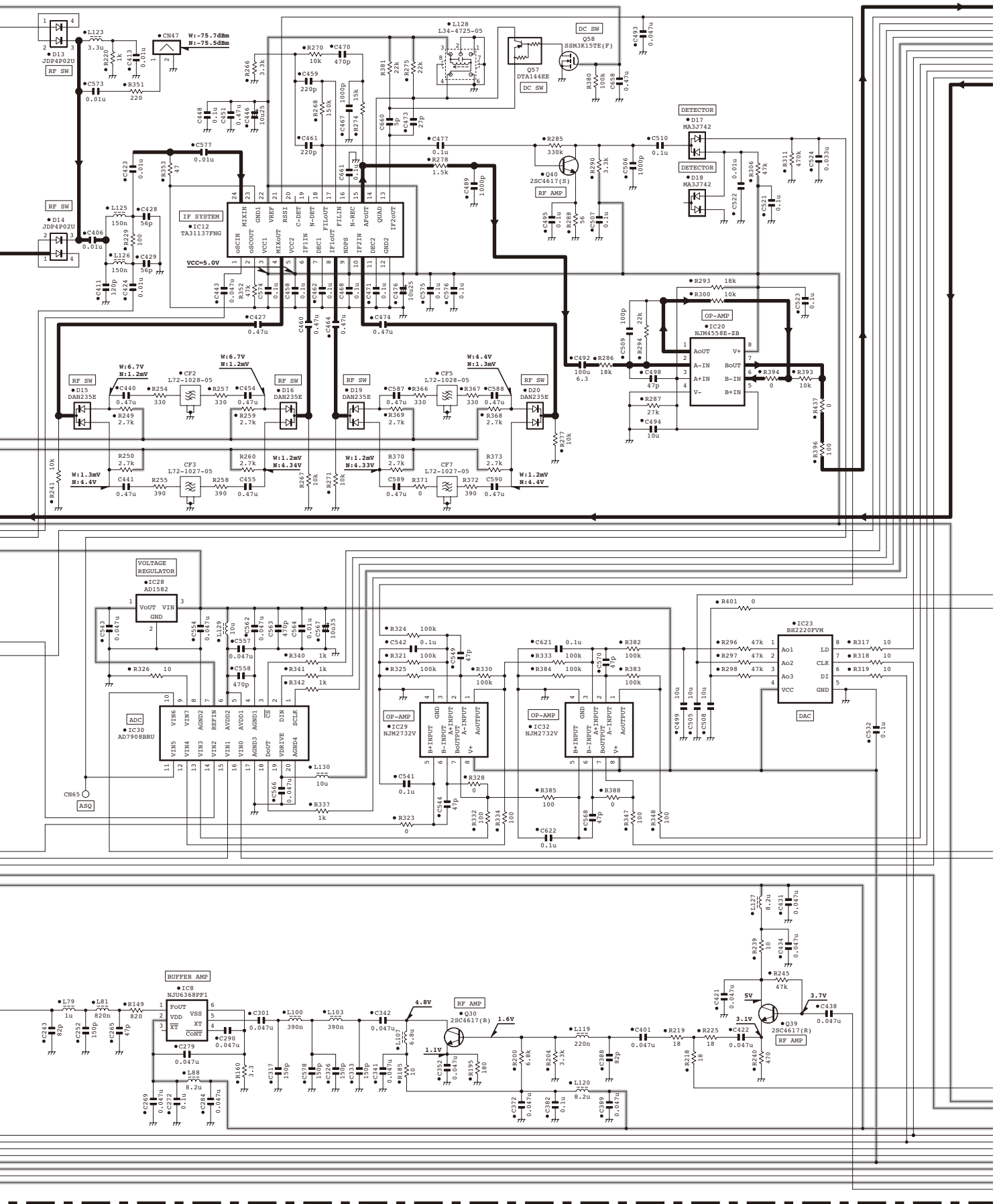
NXR-800 SCHEMATIC DIAGRAM

RX UNIT (X55-3100-13)



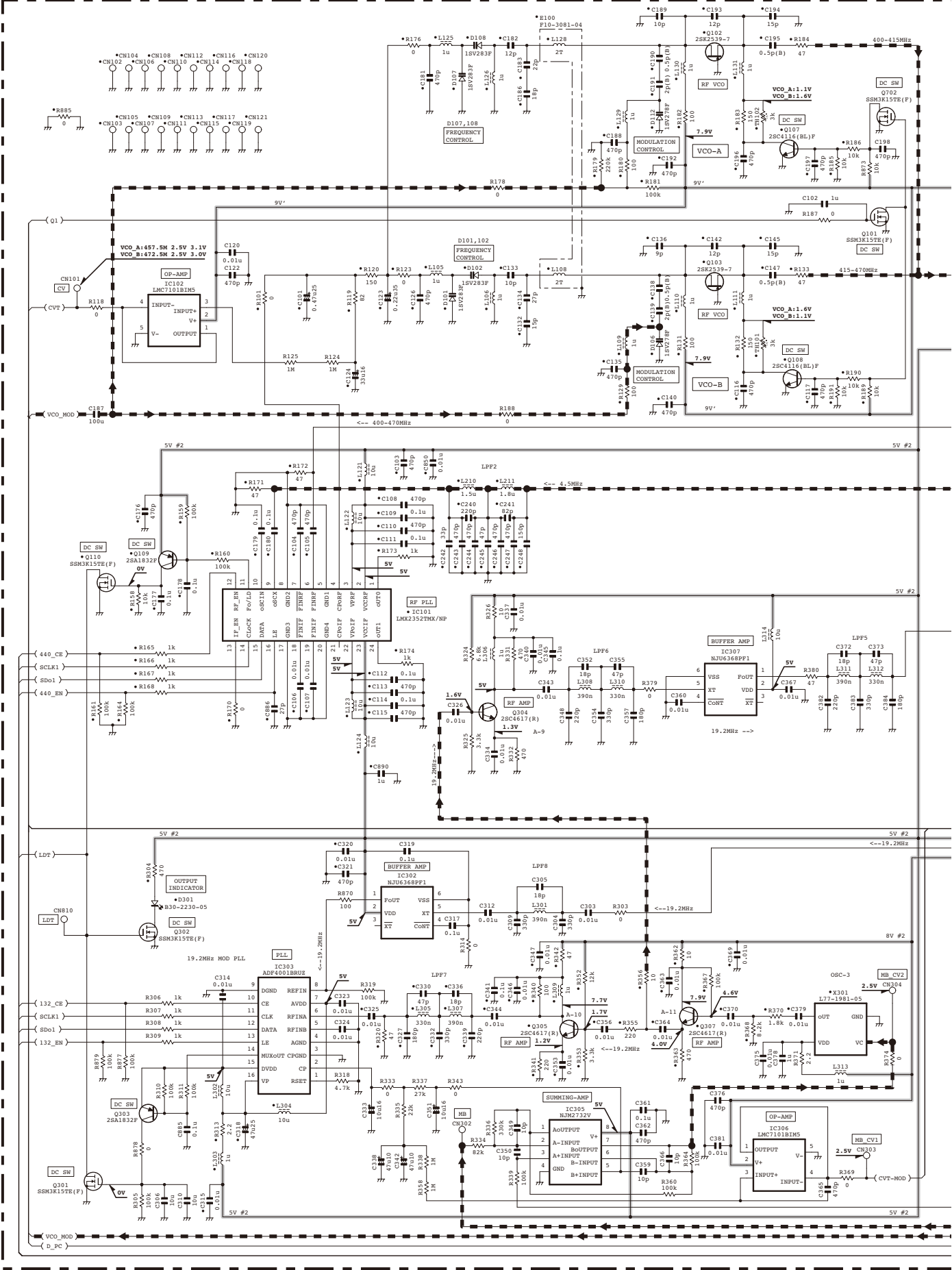
NXR-800 SCHEMATIC DIAGRAM

RX UNIT (X55-3100-13)



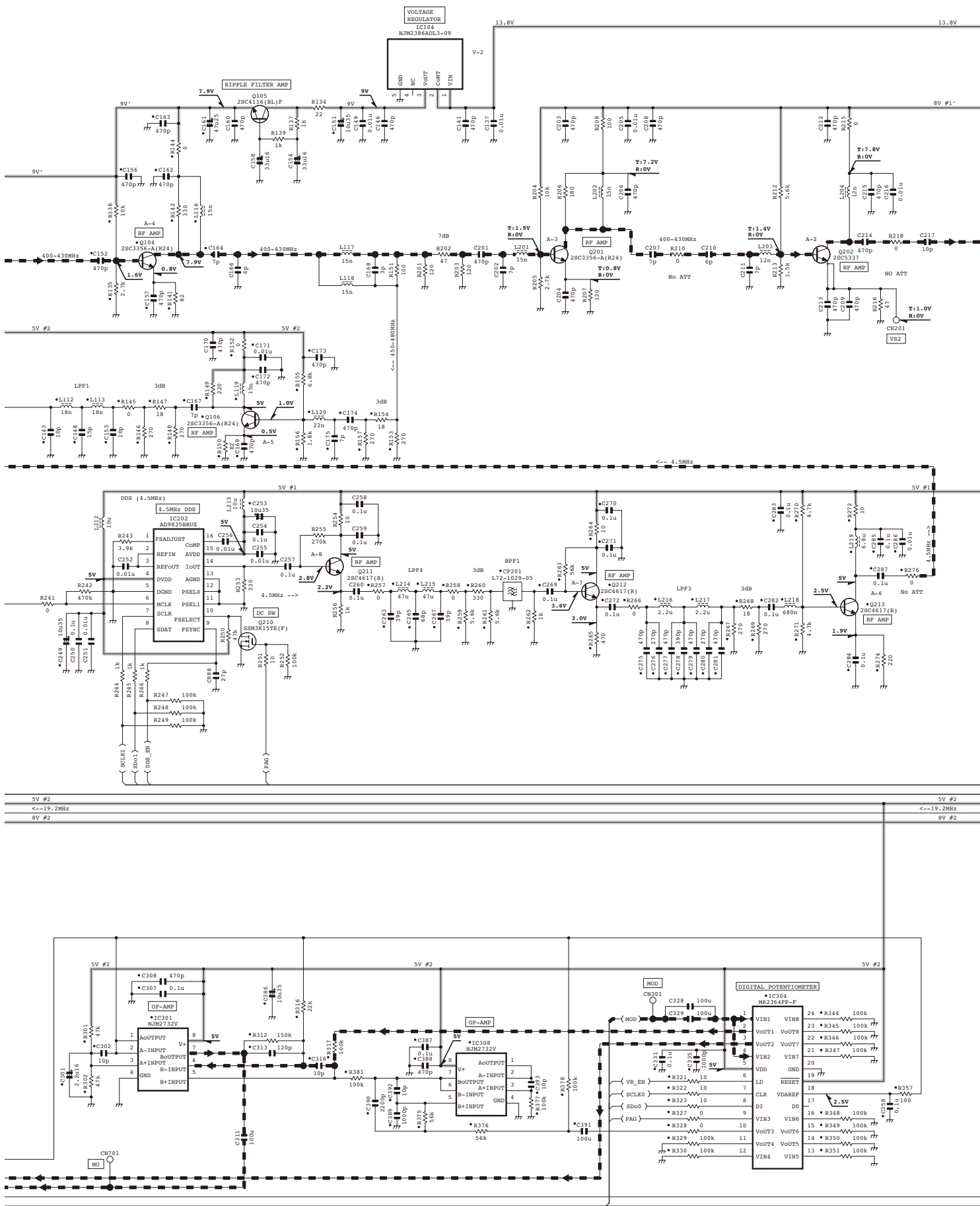
NXR-800 SCHEMATIC DIAGRAM

TX UNIT (X56-3120-13) (A/3)



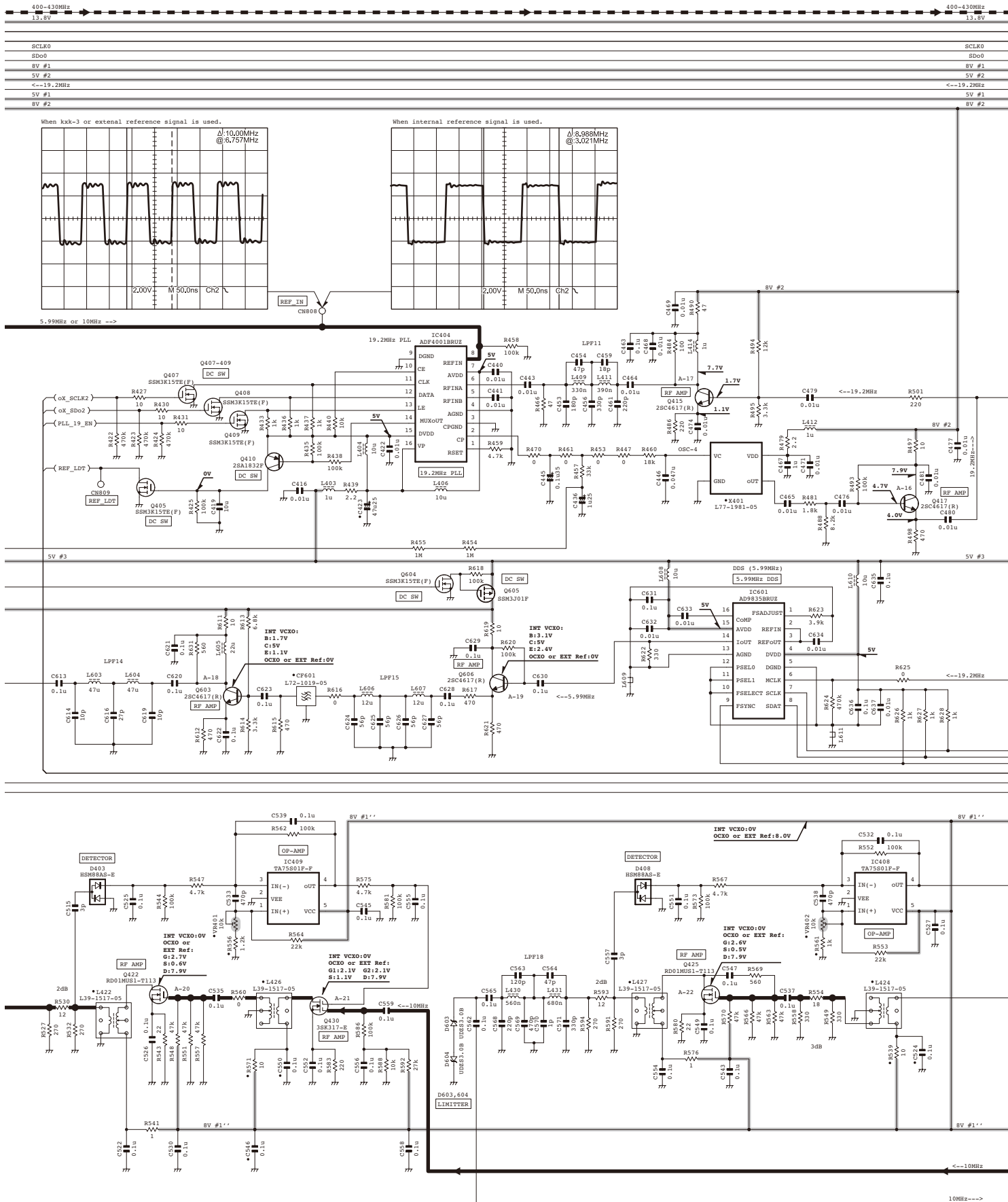
SCHEMATIC DIAGRAM NXR-800

TX UNIT (X56-3120-13) (A/3)



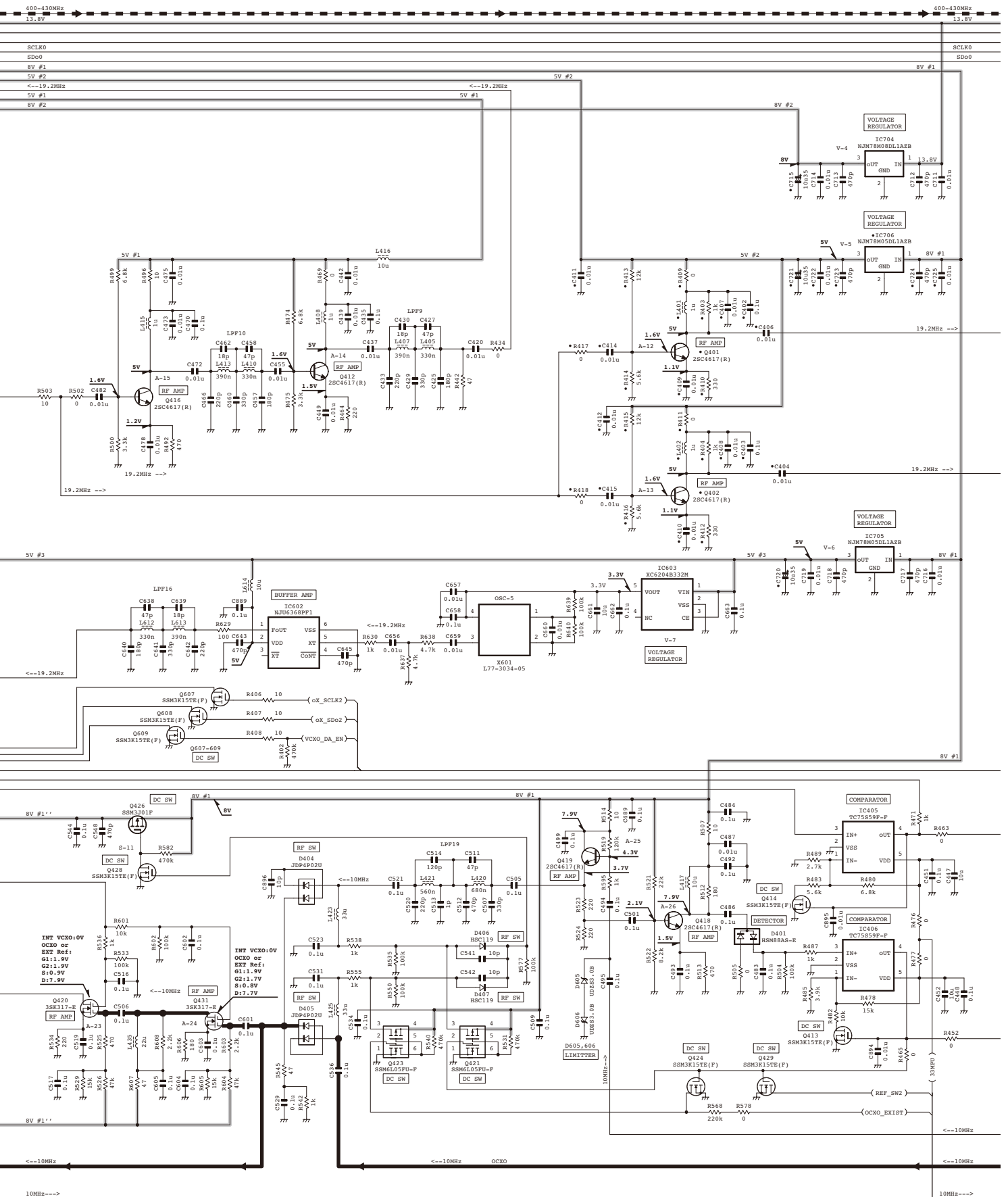
SCHEMATIC DIAGRAM NXR-800

TX UNIT (X56-3120-13) (A/3)



NXR-800 SCHEMATIC DIAGRAM

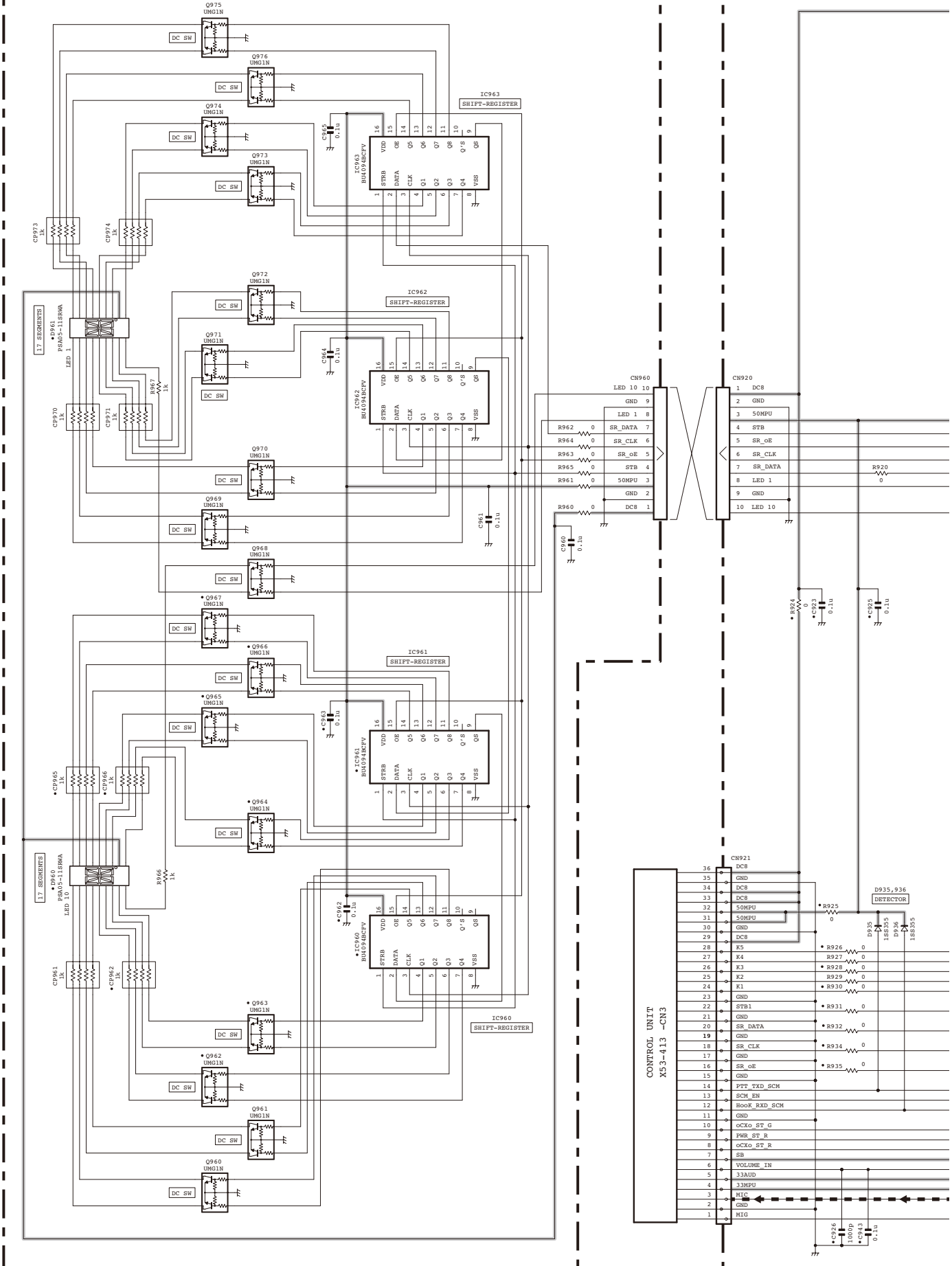
TX UNIT (X56-3120-13) (A/3)



NXR-800 SCHEMATIC DIAGRAM

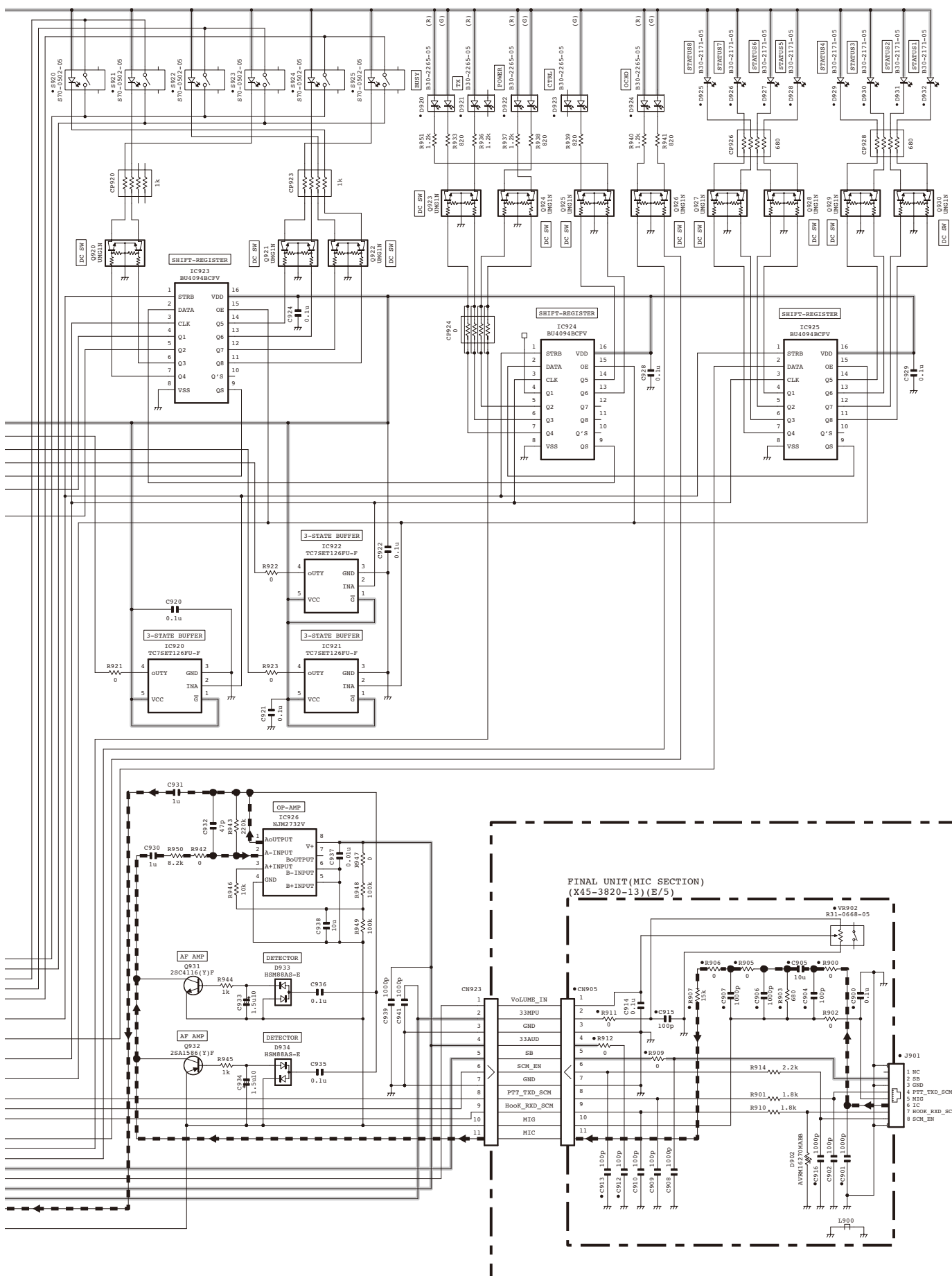
TX UNIT (17SEG)
(X56-3120-13) (C/3)

TX UNIT (LED)
(X56-3120-13) (B/3)



SCHEMATIC DIAGRAM NXR-800

TX UNIT (LED)
 (X56-3120-13) (B/3)



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

NXR-800

SPECIFICATIONS

General

| | |
|---|---|
| Frequency Range..... | 380~400MHz |
| 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.

Kenwood Corporation

2967-3, Ishikawa-machi, Hachioji-shi, Tokyo, 192-8525 Japan

Kenwood U.S.A. Corporation

P.O. BOX 22745, 2201 East Dominguez Street, Long Beach, CA 90801-5745, U.S.A.

Kenwood Electronics Canada Inc.

6070 Kestrel Road, Mississauga, Ontario, Canada L5T 1S8

Kenwood Electronics Deutschland GmbH

Rembrücker Str. 15, 63150 Heusenstamm, Germany

Kenwood Electronics Belgium N.V.

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

Kenwood Electronics UK Limited

KENWOOD House, Dwight Road, Watford, Herts., WD18 9EB United Kingdom

Kenwood Electronics Europe B.V.

Amsterdamsseweg 37, 1422 AC Uithoorn, The Netherlands

Kenwood Electronics Italia S.p.A.

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

Kenwood Ibérica, S.A.

Bolivia, 239-08020 Barcelona, Spain

Kenwood Electronics Australia Pty. Ltd.

Talavera Business Park Building A, 4 Talavera Road, North Ryde NSW 2113 Australia

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

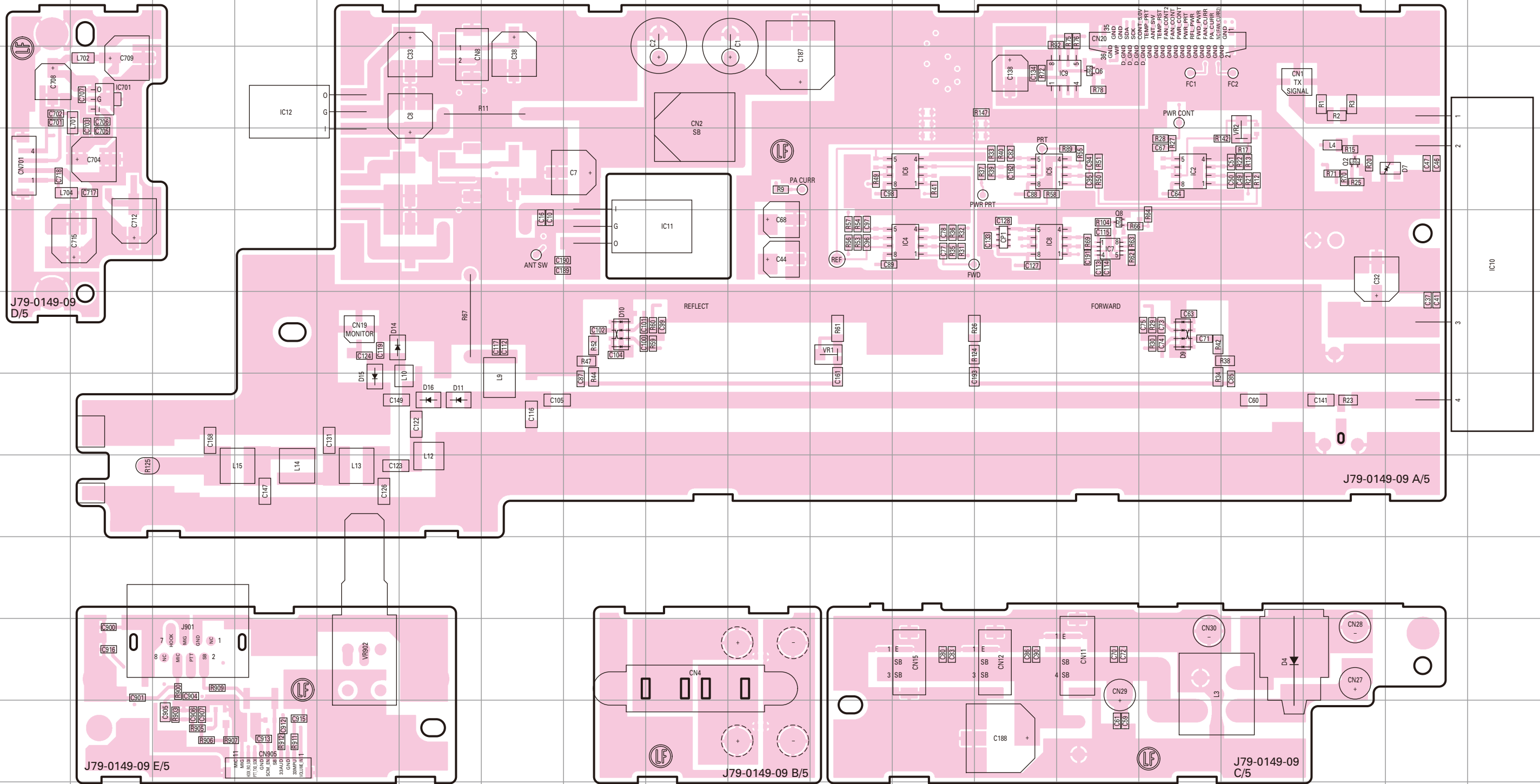


NXR-800 PC BOARD

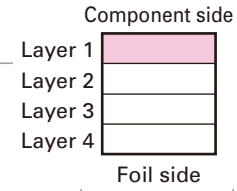
PC BOARD NXR-800

FINAL UNIT (X45-3820-13)
Component side view (J79-0149-09)

FINAL UNIT (X45-3820-13)
Component side view (J79-0149-09)

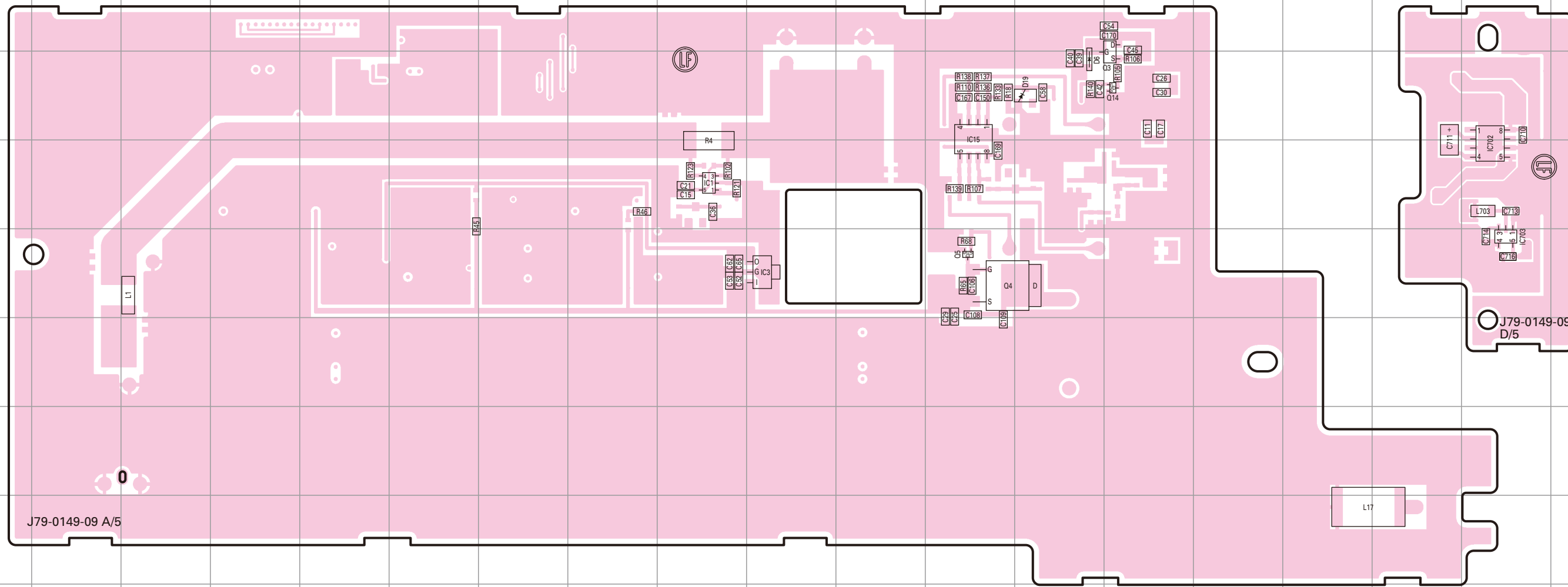


| Ref. No. | Address | Ref. No. | Address | Ref. No. | Address | Ref. No. | Address | Ref. No. | Address |
|----------|---------|----------|---------|----------|---------|----------|---------|----------|---------|
| IC2 | 4O | IC8 | 5M | IC701 | 3B | D7 | 4R | D15 | 7E |
| IC4 | 5L | IC9 | 3N | Q2 | 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 | | |



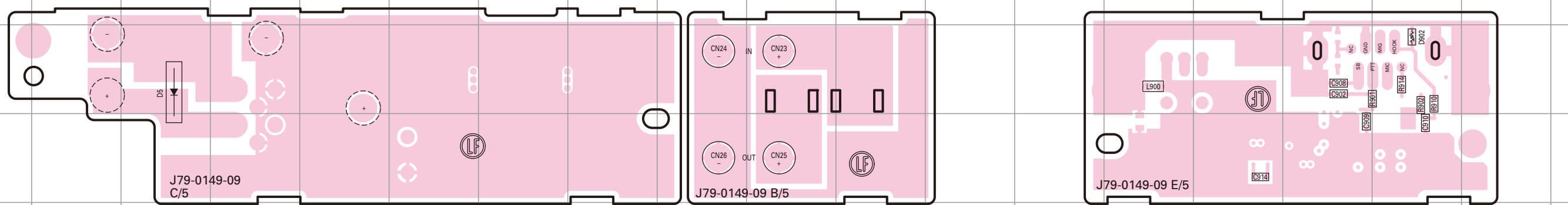
NXR-800 PC BOARD

FINAL UNIT (X45-3820-13)
Foil side view (J79-0149-09)

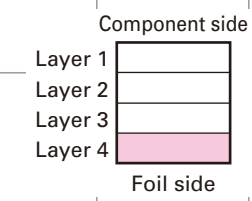


PC BOARD NXR-800

FINAL UNIT (X45-3820-13)
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 | | |

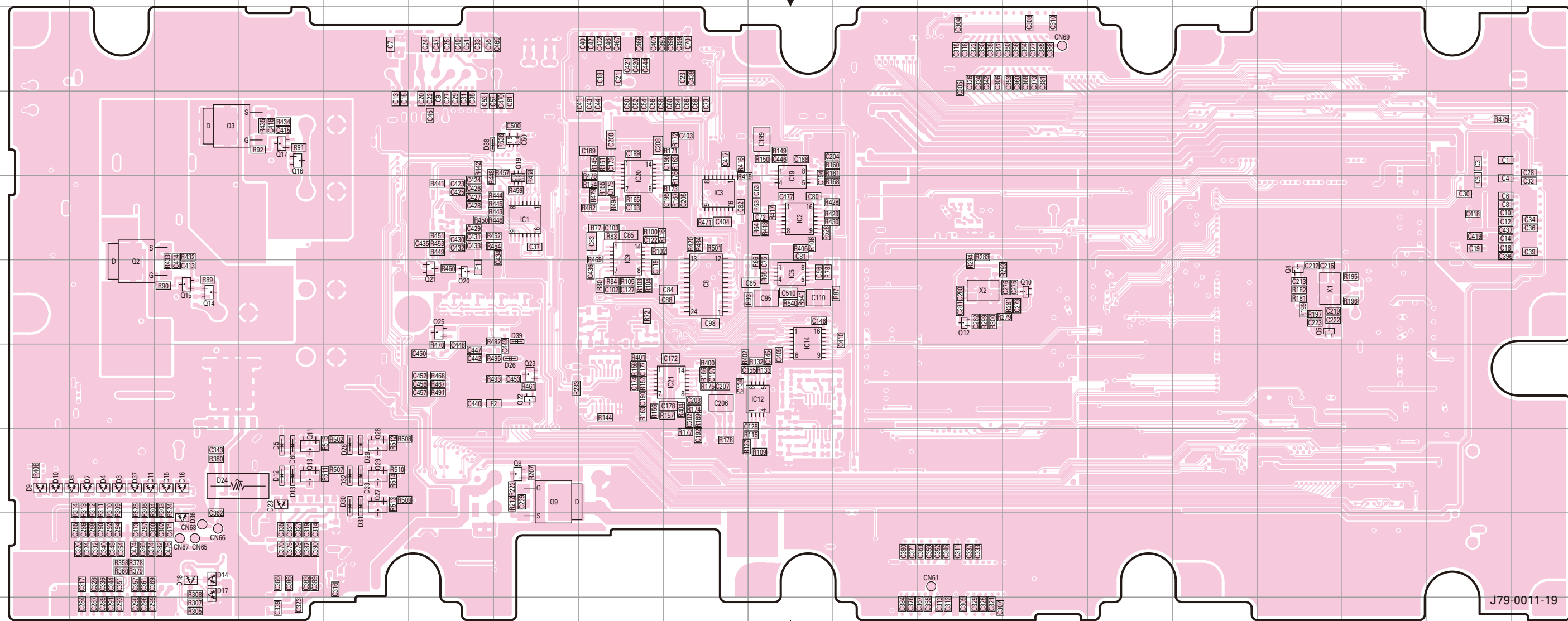


NXR-800 PC BOARD

PC BOARD NXR-800

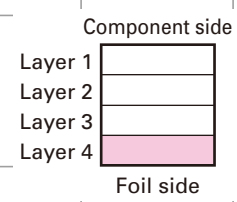
CONTROL UNIT (X53-4130-10)
Foil side view (J79-0011-19)

CONTROL UNIT (X53-4130-10)
Foil side view (J79-0011-19)



J79-0011-19

| 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 | | |

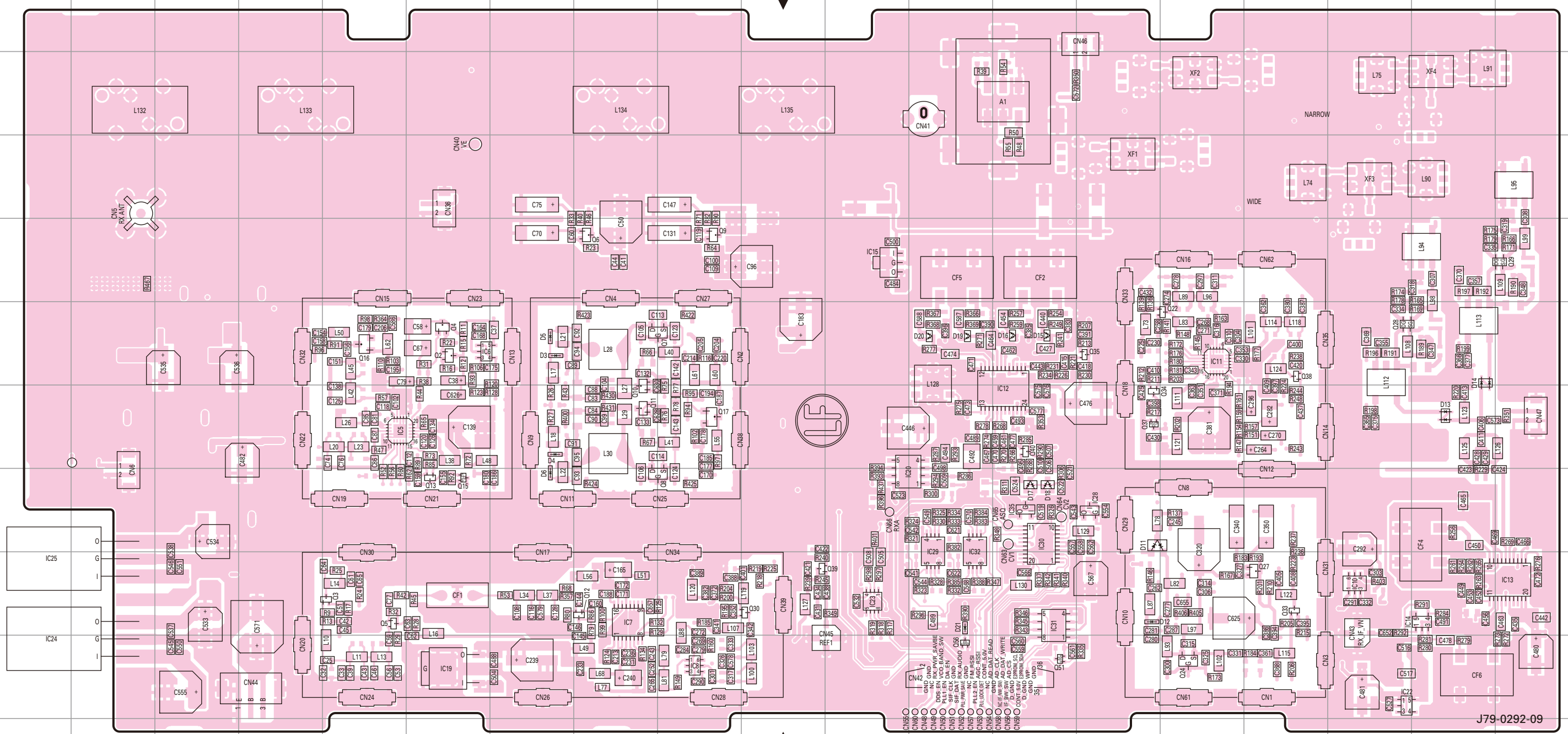


NXR-800 PC BOARD

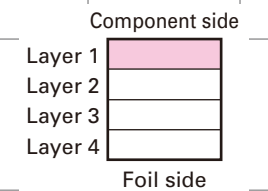
RX UNIT (X55-3100-13)
Component side view (J79-0292-09)

PC BOARD NXR-800

RX UNIT (X55-3100-13)
Component side view (J79-0292-09)



| 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 | | |



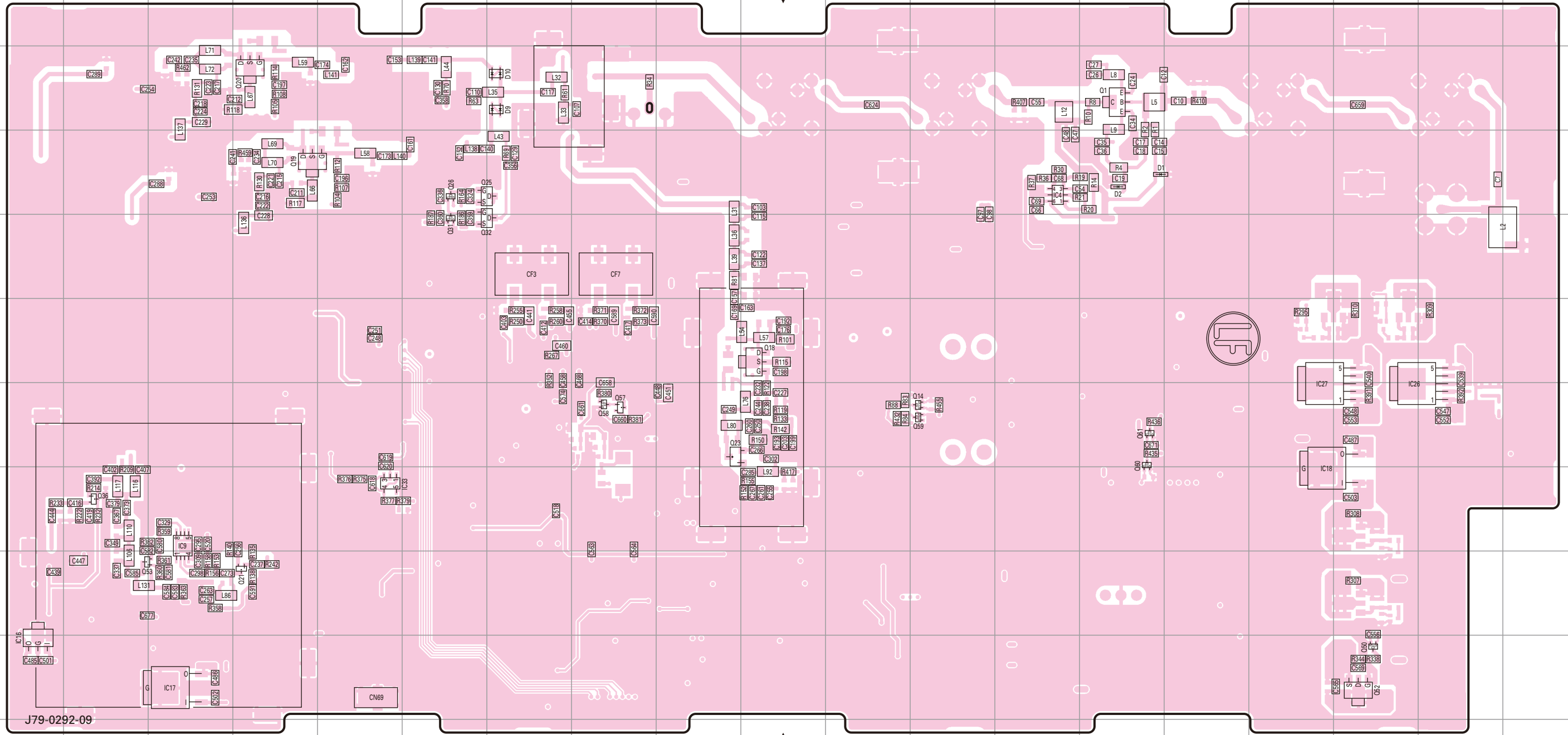
J79-0292-09

NXR-800 PC BOARD

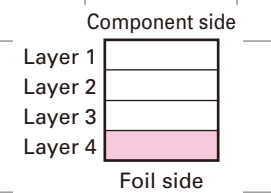
RX UNIT (X55-3100-13)
Foil side view (J79-0292-09)

PC BOARD NXR-800

RX UNIT (X55-3100-13)
Foil side view (J79-0292-09)



| 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 | | |

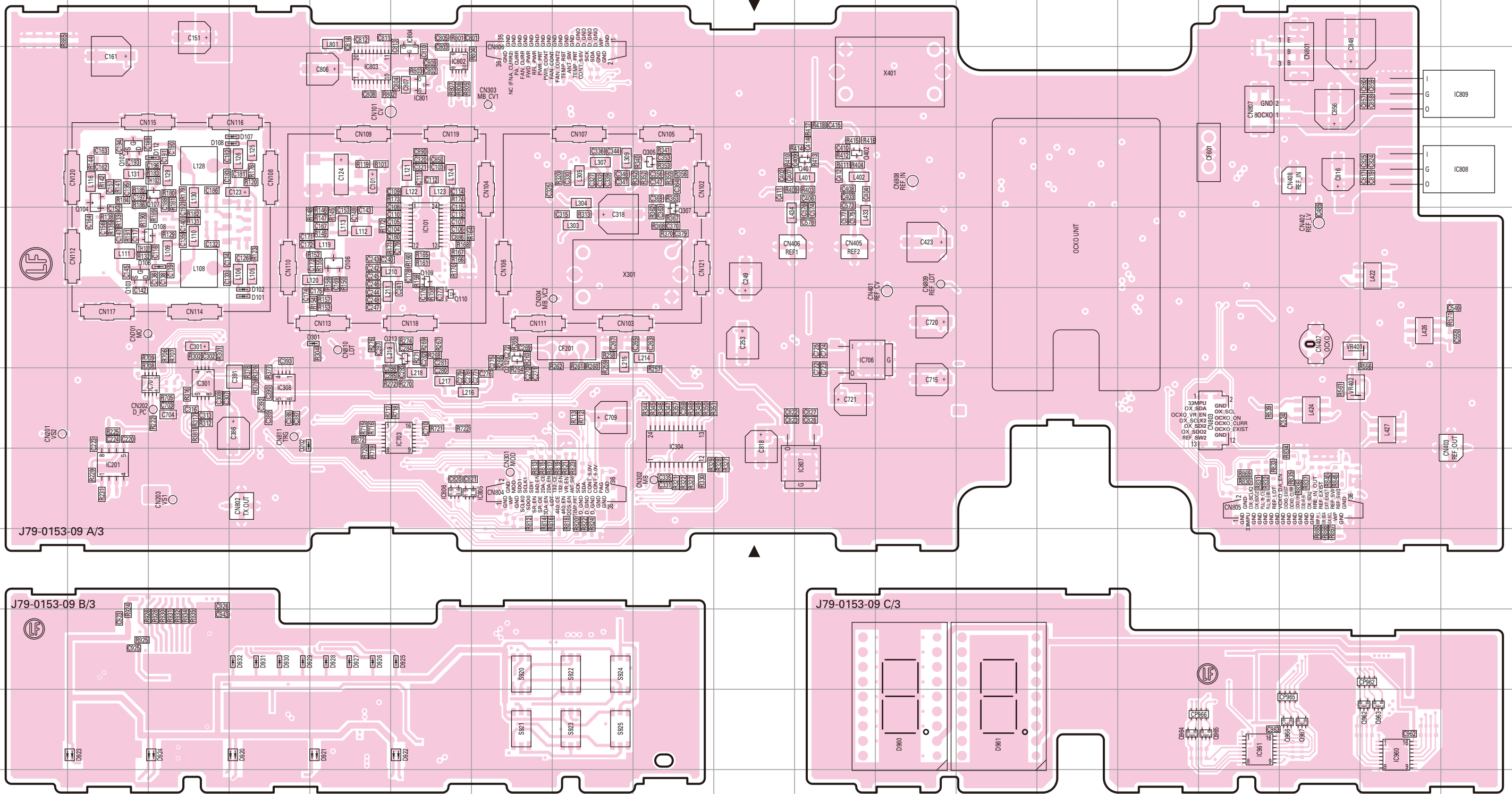


NXR-800 PC BOARD

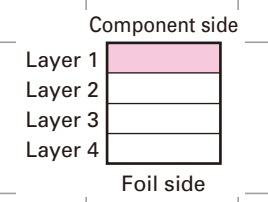
PC BOARD NXR-800

TX UNIT (X56-3120-13)
Component side view (J79-0153-09)

TX UNIT (X56-3120-13)
Component side view (J79-0153-09)

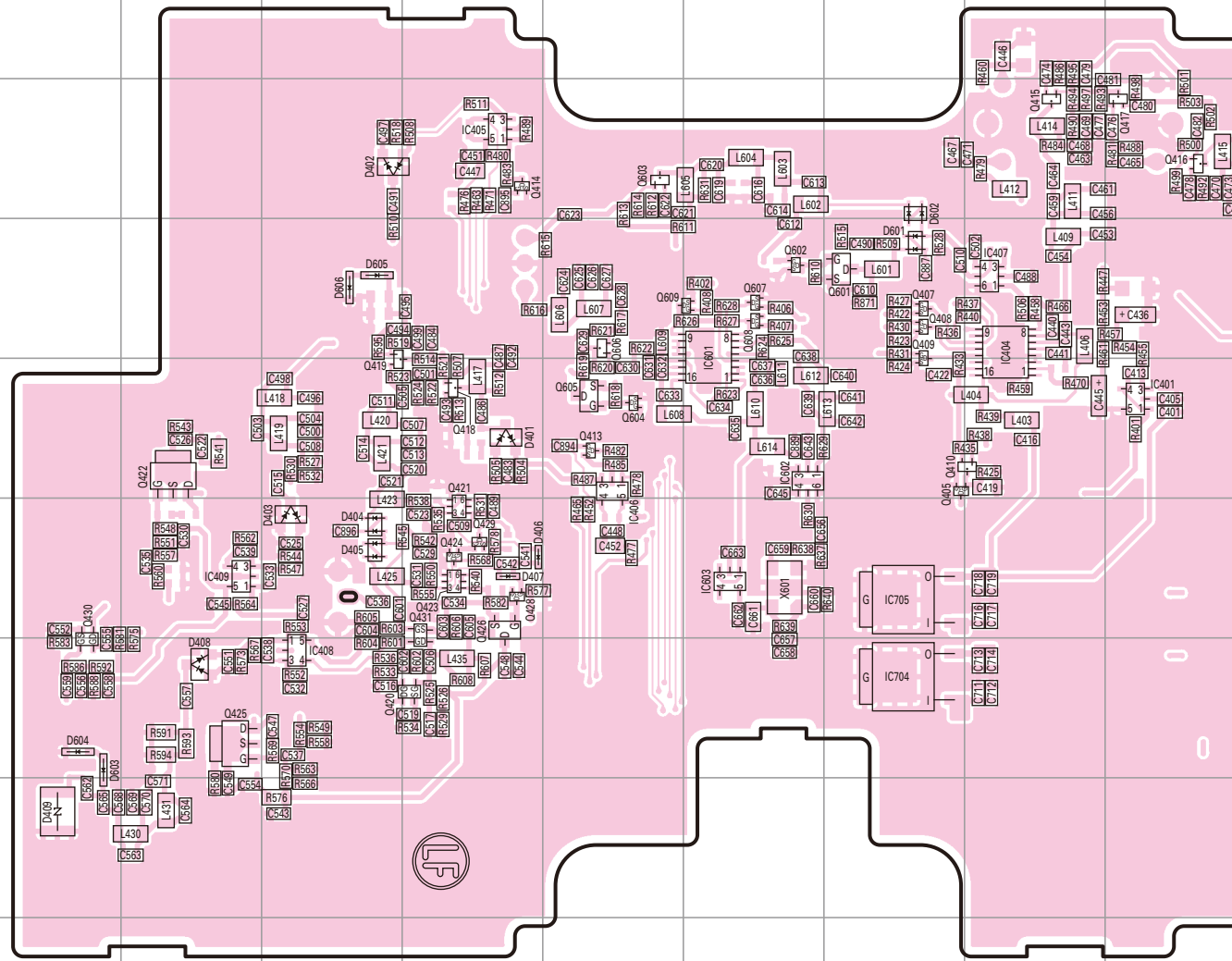


| Ref. No. | Address | Ref. No. | Address | Ref. No. | Address | Ref. No. | Address | Ref. No. | Address | Ref. No. | Address | Ref. No. | Address | Ref. No. | Address |
|----------|---------|----------|---------|----------|---------|----------|---------|----------|---------|----------|---------|----------|---------|----------|---------|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



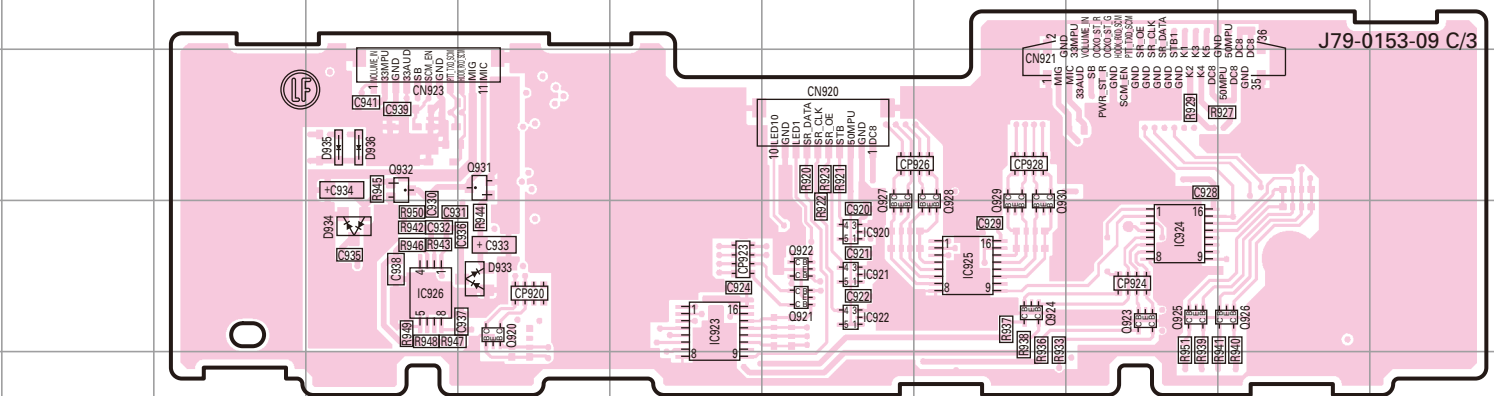
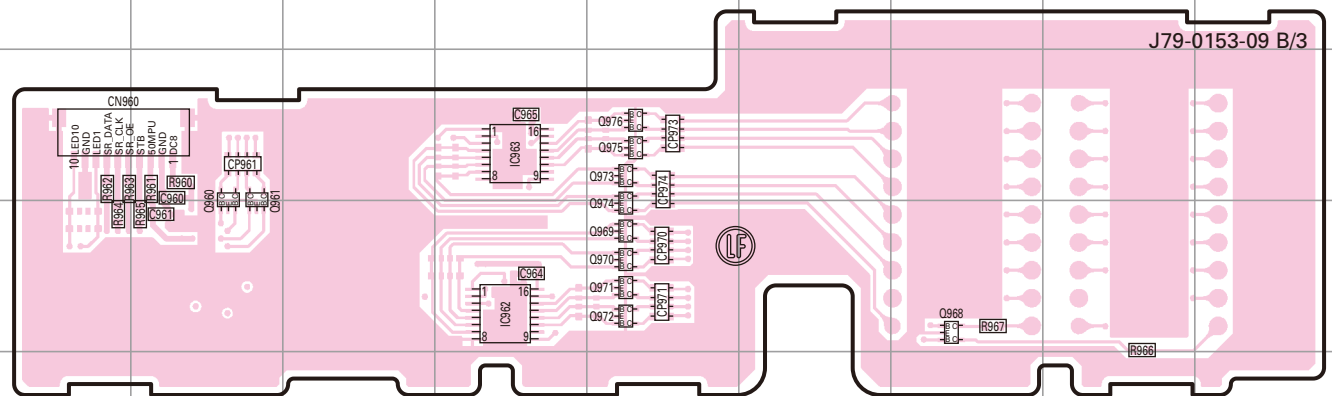
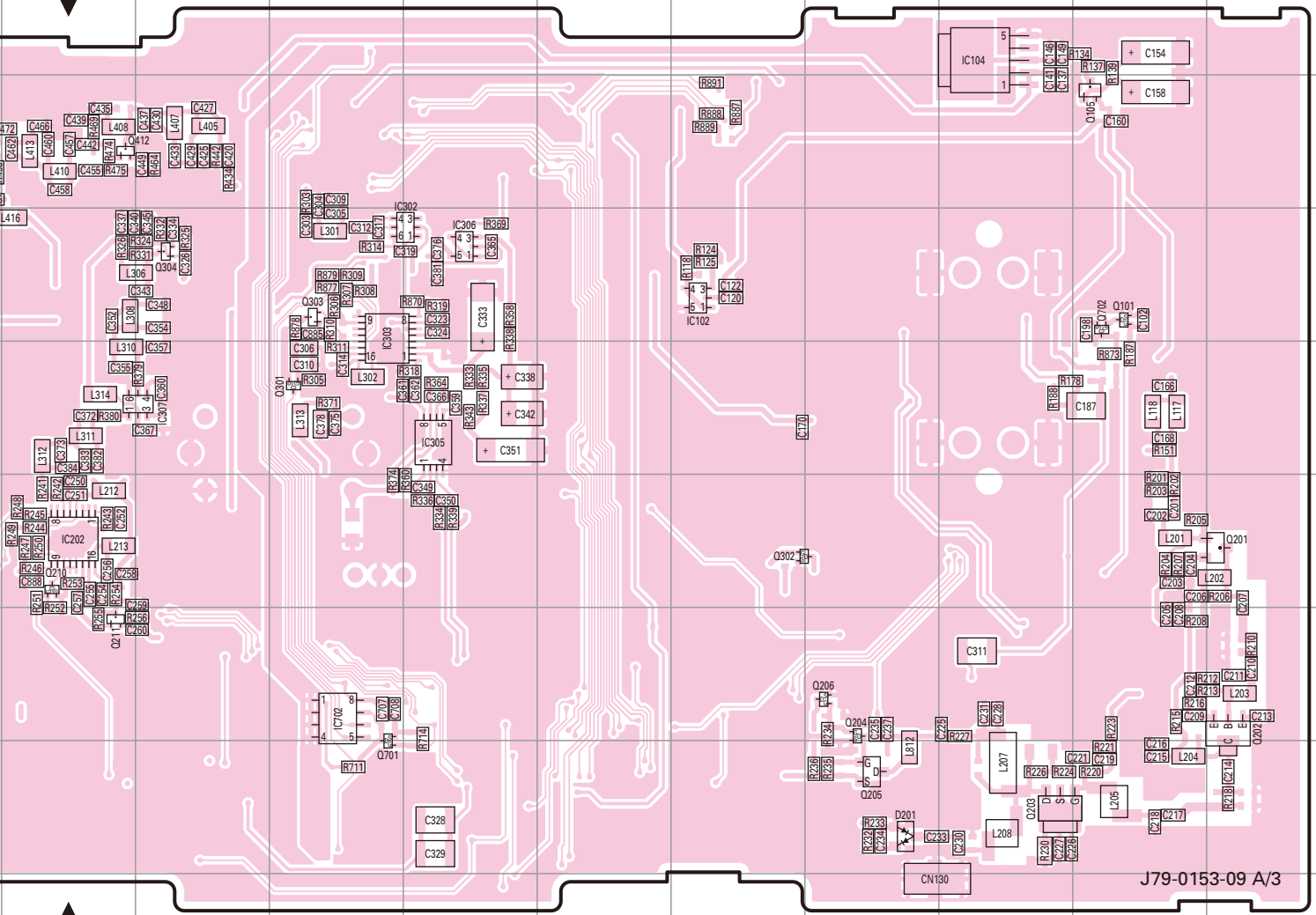
NXR-800 PC BOARD

TX UNIT (X56-3120-13)
Foil side view (J79-0153-09)

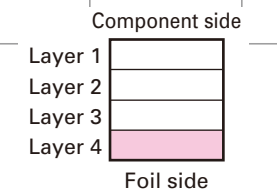


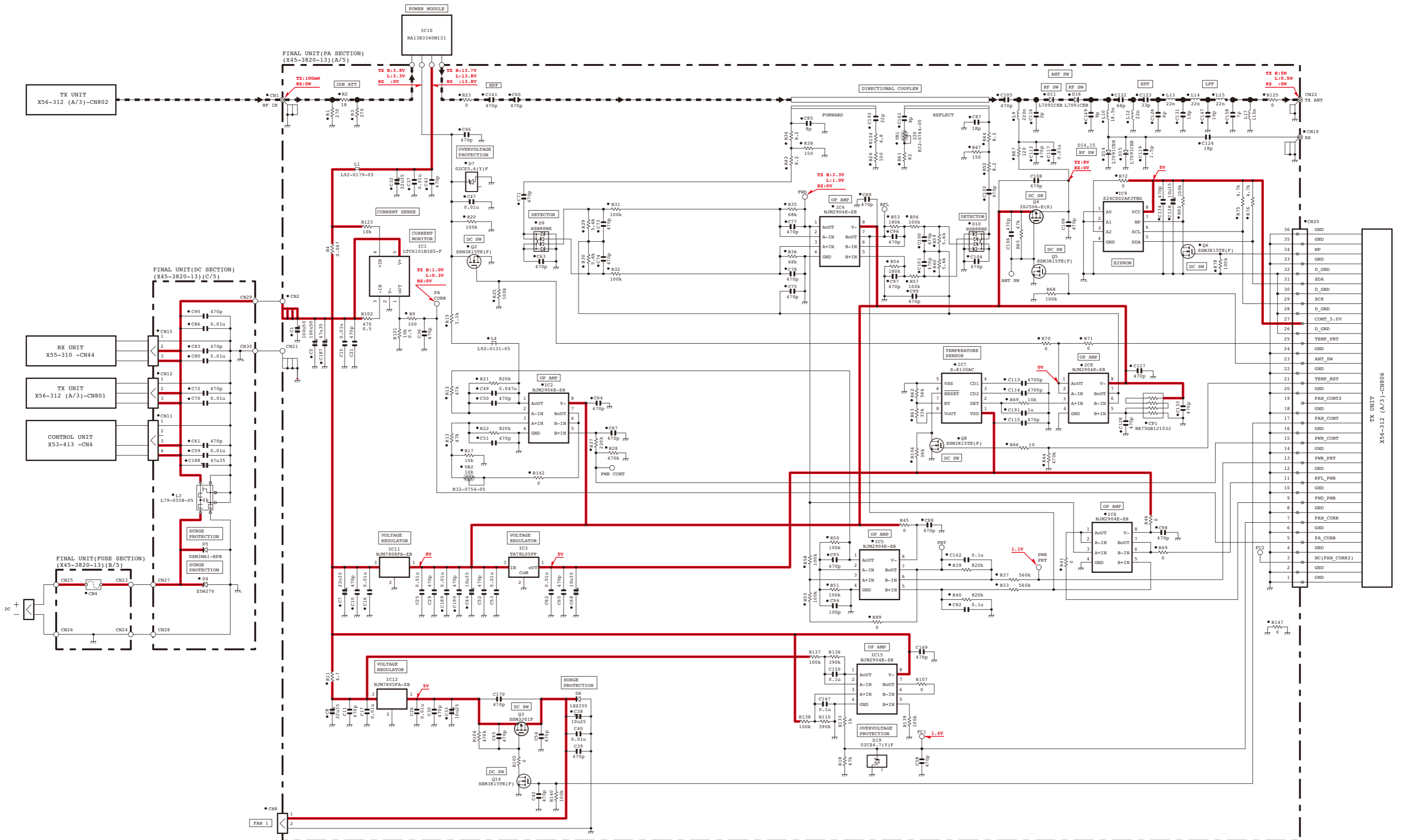
PC BOARD NXR-800

TX UNIT (X56-3120-13)
Foil side view (J79-0153-09)

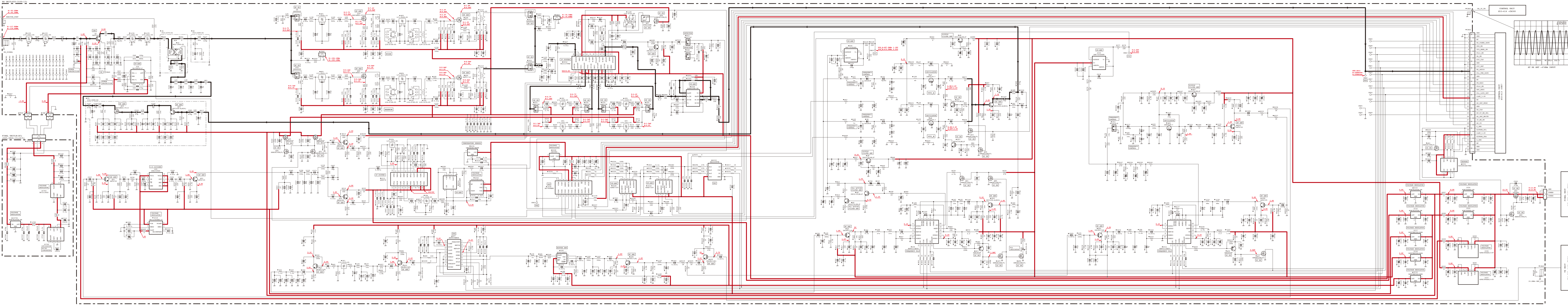


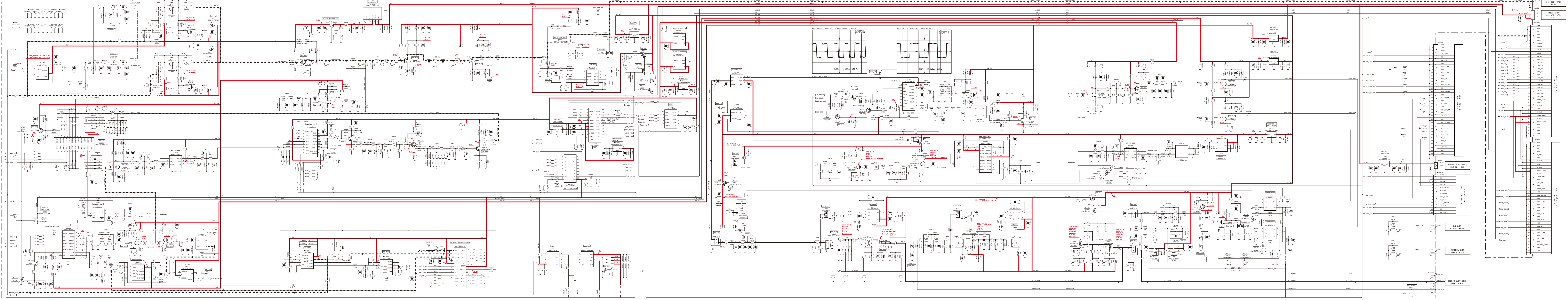
| Ref. No. | Address | Ref. No. | Address | Ref. No. | Address | Ref. No. | Address | Ref. No. | Address | Ref. No. | Address | Ref. No. | Address | Ref. No. | Address | Ref. No. | Address | Ref. No. | Address | Ref. No. | Address | Ref. No. | Address | Ref. No. | Address | | |
|----------|---------|----------|---------|----------|---------|----------|---------|----------|---------|----------|---------|----------|---------|----------|---------|----------|---------|----------|---------|----------|---------|----------|---------|----------|---------|------|-----|
| IC102 | 4O | IC404 | 4H | IC702 | 7L | IC926 | 11L | Q205 | 8P | Q407 | 4G | Q417 | 3I | Q426 | 6D | Q605 | 5E | Q922 | 11O | Q931 | 10M | Q973 | 10E | D405 | 6C | D605 | 4C |
| IC104 | 2Q | IC405 | 3D | IC704 | 7G | IC962 | 11D | Q206 | 7P | Q408 | 4G | Q418 | 5D | Q428 | 6D | Q606 | 4E | Q923 | 11Q | Q932 | 10L | Q974 | 11E | D406 | 6D | D606 | 4C |
| IC202 | 6J | IC406 | 5E | IC705 | 6G | IC963 | 10D | Q210 | 6J | Q409 | 4G | Q419 | 5C | Q429 | 6D | Q607 | 4F | Q924 | 11P | Q960 | 10B | Q975 | 10E | D407 | 6D | D933 | 11M |
| IC302 | 4M | IC407 | 4H | IC920 | 11O | Q101 | 4R | Q211 | 7J | Q410 | 5H | Q420 | 7D | Q430 | 6A | Q608 | 4F | Q925 | 11Q | Q961 | 10B | Q976 | 10E | D408 | 7B | D934 | 11L |
| IC303 | 4L | IC408 | 7C | IC921 | 11O | Q105 | 3R | Q301 | 5L | Q412 | 3J | Q421 | 6D | Q431 | 6D | Q609 | 4F | Q926 | 11R | Q968 | 11G | D201 | 8P | D409 | 8A | D935 | 10L |
| IC305 | 5M | IC409 | 6B | IC922 | 11O | Q201 | 6S | Q302 | 6O | Q413 | 5E | Q422 | 5B | Q601 | 4G | Q701 | 8L | Q927 | 11O | Q969 | 11E | D401 | 5D | D601 | 4G | D936 | 10L |
| IC306 | 4M | IC601 | 4F | IC923 | 11N | Q202 | 7S | Q303 | 4L | Q414 | 3D | Q423 | 6D | Q602 | 4F | Q702 | 4R | Q928 | 11P | Q970 | 11E | D402 | 3C | D602 | 3G | | |
| IC307 | 5K | IC602 | 5F | IC924 | 11Q | Q203 | 8Q | Q304 | 4K | Q415 | 3H | Q424 | 6D | Q603 | 3E | Q920 | 11M | Q929 | 11P | Q971 | 11E | D403 | 6C | D603 | 7A | | |
| IC401 | 5I | IC603 | 6F | IC925 | 11P | Q204 | 7P | Q405 | 5G | Q416 | 3I | Q425 | 7B | Q604 | 5E | Q921 | 11O | Q930 | 11P | Q972 | 11E | D404 | 6C | D604 | 7A | | |





X56-312 (A/3) - CR806





Final Unit

| | | | | |
|-----|------|-------|--------|--------|
| 1 | W001 | RES | 10K | 10K |
| 2 | W002 | RES | 10K | 10K |
| 3 | W003 | RES | 10K | 10K |
| 4 | W004 | RES | 10K | 10K |
| 5 | W005 | RES | 10K | 10K |
| 6 | W006 | RES | 10K | 10K |
| 7 | W007 | RES | 10K | 10K |
| 8 | W008 | RES | 10K | 10K |
| 9 | W009 | RES | 10K | 10K |
| 10 | W010 | RES | 10K | 10K |
| 11 | W011 | RES | 10K | 10K |
| 12 | W012 | RES | 10K | 10K |
| 13 | W013 | RES | 10K | 10K |
| 14 | W014 | RES | 10K | 10K |
| 15 | W015 | RES | 10K | 10K |
| 16 | W016 | RES | 10K | 10K |
| 17 | W017 | RES | 10K | 10K |
| 18 | W018 | RES | 10K | 10K |
| 19 | W019 | RES | 10K | 10K |
| 20 | W020 | DIODE | 1N4007 | 1N4007 |
| 21 | W021 | DIODE | 1N4007 | 1N4007 |
| 22 | W022 | DIODE | 1N4007 | 1N4007 |
| 23 | W023 | DIODE | 1N4007 | 1N4007 |
| 24 | W024 | IC | 7805 | 7805 |
| 25 | W025 | IC | 7805 | 7805 |
| 26 | W026 | IC | 7805 | 7805 |
| 27 | W027 | IC | 7805 | 7805 |
| 28 | W028 | IC | LM317 | LM317 |
| 29 | W029 | IC | LM317 | LM317 |
| 30 | W030 | IC | LM317 | LM317 |
| 31 | W031 | IC | LM317 | LM317 |
| 32 | W032 | IC | LM317 | LM317 |
| 33 | W033 | IC | LM317 | LM317 |
| 34 | W034 | IC | LM317 | LM317 |
| 35 | W035 | IC | LM317 | LM317 |
| 36 | W036 | IC | LM317 | LM317 |
| 37 | W037 | IC | LM317 | LM317 |
| 38 | W038 | IC | LM317 | LM317 |
| 39 | W039 | IC | LM317 | LM317 |
| 40 | W040 | IC | IR2101 | IR2101 |
| 41 | W041 | IC | IR2101 | IR2101 |
| 42 | W042 | IC | IR2101 | IR2101 |
| 43 | W043 | IC | IR2101 | IR2101 |
| 44 | W044 | IC | IR2101 | IR2101 |
| 45 | W045 | IC | IR2101 | IR2101 |
| 46 | W046 | IC | IR2101 | IR2101 |
| 47 | W047 | IC | IR2101 | IR2101 |
| 48 | W048 | DIODE | 1N4007 | 1N4007 |
| 49 | W049 | DIODE | 1N4007 | 1N4007 |
| 50 | W050 | DIODE | 1N4007 | 1N4007 |
| 51 | W051 | DIODE | 1N4007 | 1N4007 |
| 52 | W052 | IC | 7805 | 7805 |
| 53 | W053 | IC | 7805 | 7805 |
| 54 | W054 | IC | 7805 | 7805 |
| 55 | W055 | IC | 7805 | 7805 |
| 56 | W056 | IC | LM317 | LM317 |
| 57 | W057 | IC | LM317 | LM317 |
| 58 | W058 | IC | LM317 | LM317 |
| 59 | W059 | IC | LM317 | LM317 |
| 60 | W060 | IC | LM317 | LM317 |
| 61 | W061 | IC | LM317 | LM317 |
| 62 | W062 | IC | LM317 | LM317 |
| 63 | W063 | IC | LM317 | LM317 |
| 64 | W064 | IC | LM317 | LM317 |
| 65 | W065 | IC | LM317 | LM317 |
| 66 | W066 | IC | LM317 | LM317 |
| 67 | W067 | IC | LM317 | LM317 |
| 68 | W068 | IC | LM317 | LM317 |
| 69 | W069 | IC | LM317 | LM317 |
| 70 | W070 | IC | LM317 | LM317 |
| 71 | W071 | IC | LM317 | LM317 |
| 72 | W072 | IC | LM317 | LM317 |
| 73 | W073 | IC | LM317 | LM317 |
| 74 | W074 | IC | LM317 | LM317 |
| 75 | W075 | IC | LM317 | LM317 |
| 76 | W076 | IC | LM317 | LM317 |
| 77 | W077 | IC | LM317 | LM317 |
| 78 | W078 | IC | LM317 | LM317 |
| 79 | W079 | IC | LM317 | LM317 |
| 80 | W080 | IC | LM317 | LM317 |
| 81 | W081 | IC | LM317 | LM317 |
| 82 | W082 | IC | LM317 | LM317 |
| 83 | W083 | IC | LM317 | LM317 |
| 84 | W084 | IC | LM317 | LM317 |
| 85 | W085 | IC | LM317 | LM317 |
| 86 | W086 | IC | LM317 | LM317 |
| 87 | W087 | IC | LM317 | LM317 |
| 88 | W088 | IC | LM317 | LM317 |
| 89 | W089 | IC | LM317 | LM317 |
| 90 | W090 | IC | LM317 | LM317 |
| 91 | W091 | IC | LM317 | LM317 |
| 92 | W092 | IC | LM317 | LM317 |
| 93 | W093 | IC | LM317 | LM317 |
| 94 | W094 | IC | LM317 | LM317 |
| 95 | W095 | IC | LM317 | LM317 |
| 96 | W096 | IC | LM317 | LM317 |
| 97 | W097 | IC | LM317 | LM317 |
| 98 | W098 | IC | LM317 | LM317 |
| 99 | W099 | IC | LM317 | LM317 |
| 100 | W100 | IC | LM317 | LM317 |

