

**MG3631A/MG3632A**  
**SYNTHESIZED SIGNAL GENERATOR**  
**SERVICE MANUAL**

**EDITION 1.1**

**MEASURING INSTRUMENTS DIVISION**  
**ANRITSU CORPORATION**

**JUL.**  
**1993**

**WARNING**

**NO OPERATOR SERVICEABLE PARTS INSIDE .  
REFER SERVICING TO QUALIFIED PERSONNEL .**

**CAUTION**

**FOR CONTINUED FIRE PROTECTION REPLACE  
ONLY WITH SPECIFIED TYPE AND RATED FUSE .**

**Note 1:**

1. The instrument is operable on a nominal voltage of 100 to 127 Vac or 200 to 250 Vac by changing the connections on the power transformer taps as described in Note 3 below.

The voltage and current ratings are indicated on the rear panel when the instrument is shipped from the factory.

To operate on the other voltage, change the connections on the power supply transformer. The plate on the rear panel indicating the voltage and current ratings should be changed to the appropriate one. Order the plate from ANRITSU CORPORATION if needed.

2. In this manual, the power supply voltage and current ratings are represented by \*\*Vac and \*\*\*A, respectively.
3. The relationship between power supply voltage and current ratings is shown below.

**Vac	***A
100 to 127 V	3.15 A
200 to 250 V	1.6 A

**Note 2:**

**WARNINGS**, **CAUTIONS**, **Notes**, and Explanatory footnotes are used in this manual. Their meanings are given below:

**WARNING:** *WARNING is used when there is a personal injury hazard.*

**CAUTION:** *CAUTION is used when the equipment may be damaged.*

**Note:** Note is used to provide information about exceptions, corrections, and restrictions.

**Explanatory footnote:** Explanatory footnotes provide comments on the same page as the text, figure or table. They are referenced by either an asterisk (\*) or by combination of an asterisk and numeral.

**Note 3:**

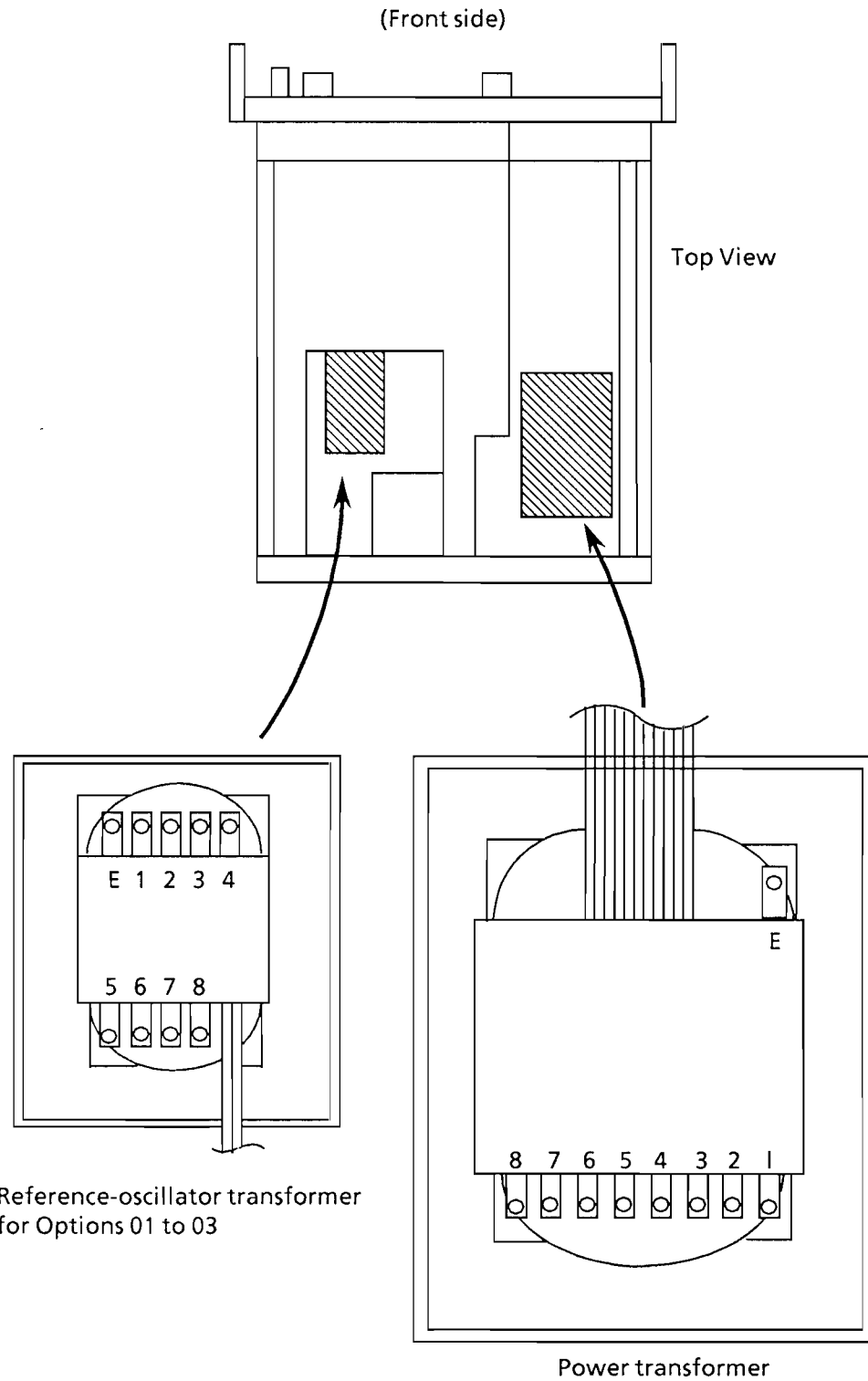
**AC Line Power Supply Voltage Rating Change**

The MG3631A/MG3632A have a power transformer with several taps so that a nominal AC line voltage from 100 to 250 Vac can be used.

To change the AC supply voltage rating, change the wiring on the appropriate primary taps of the power transformer as follows:

When the Option 01, 02, or 03 installed, also change the wiring of the reference-oscillator transformer for the option.





**Power-Transformer Top External View**

Nominal ac Line Voltage	100 to 108 V	108 to 117 V	117 to 127 V
100 V System			
Nominal ac Line Voltage	200 to 216 V	216 to 234 V	234 to 250 V
200 V System			

## Wiring for Power Supply Changing

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HISTORY OF MODIFICATIONS  
(MG3631A/MG3632A Ser.)

SEP. 24 '92

ITEM	DESCRIPTION		Applicable Serial No.
	Before Modification	After Modification	
P.3-73	A2-A7 OUTPUT Circuit Diagram (33W32422 4/5)  R282 178 R288 221	  R282 332 R288 332	
P.3-83	A2-A12 MODULATION CIRCUIT DIAGRAM (33W32428 4/4)  C118 3p	  C118 5p	
P.6-46	Parts List of: A2-A7 OUTPUT (34W99303 46/48,47/48)  R282 METAL FILM RESISTOR NRN1/4C4178Ω D 178Ω, ±0.5%,1/4W R288 METAL FILM RESISTOR NRN1/4C4221Ω D 221Ω, ±0.5%,1/4W	  R282 METAL FILM RESISTOR NRN1/4C4332Ω D 332Ω, ±0.5%,1/4W R288 METAL FILM RESISTOR NRN1/4C4332Ω D 332Ω, ±0.5%,1/4W	
P.6-49	Parts List of: A2-A12 MODULATION (34W99309 6/15)  C118 CER CAP, CC732CJ1H030C 3pF,50V, ±0.25pF	  C118 CER CAP, CC732CH1H050D 5pF,50V, ±0.5pF	From MT11195 (MG3631A) MT18396 (MG3632A)

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**HISTORY OF MODIFICATIONS**  
 (MG3631A/MG3632A Ser.)

NOV. 11 '92

ITEM	DESCRIPTION		Applicable Serial No.
	Before Modification	After Modification	
P.3-66	A2-A6 MAIN LOOP Circuit Diagram (33W32421 1/3)		
	C17 7p	C17 6p	
P.6-30	Parts List of: A2-A6 MAIN LOOP (34W99302 1/19)		
	C17 CER CAP CC732CH1H070D 7pF, 50V, $\pm 0.5$ pF	C17 CER CAP CC732CH1H060D 6pF, 50V, $\pm 0.5$ pF	
			From MT12197 (MG3631A) MT21197 (MG3632A)

# **SECTION 1**

## **GENERAL**

This service manual explains maintenance, operation procedures, calibration and performance tests for the MG3631A/MG3632A Synthesized Signal Generator.

This service manual is composed of SECTION 1 to SECTION 6; whose details are summarized below:

### **SECTION 1 GENERAL:**

This section describes the composition of the service manual.

### **SECTION 2 CIRCUITRY:**

This section explains the operation of the circuits and the role of each unit.

### **SECTION 3 TROUBLESHOOTING AND REPAIR:**

This section explains how to locate and repair faults if any abnormalities occurs.

### **SECTION 4 ADJUSTMENT:**

This section explains the overall adjustments after troubleshooting for the main frame and the signal processor RF unit.

### **SECTION 5 MECHANICAL CONFIGURATION:**

This section explains procedures for replacing malfunctioning mechanical parts.

### **SECTION 6 REPLACEABLE PARTS:**

This section explains how to order electrical components and gives the PC board numbers.



## SECTION 2

### CIRCUITRY

#### 2.1 Outline

Table 2-1 and Figs. 2-1 to 2-17 describe the functions of each circuit and show the block diagrams, respectively.

**Note:** The circuit names and the related drawing numbers are listed on Table 3-4 in paragraph 3.5.

**Table 2-1 Outline of Circuitry**

A No.	Name	Description
A1	PANEL UNIT	Displays output frequency, output level, modulation factor and setting mode. In addition, sends key-input data.
A1-A1	PANEL 1	Receives data for panel display and drives panel LEDs as well as analyzes and sends key-input data.
A1-A2	PANEL 2	Mounts panel display and panel keys.
A2	SG UNIT	Generates output signal and varies the level. Also includes DC power-supply and control circuits.
A2-A1	BUFFER	Distributes DC power and control data signal to each circuit.
A2-A2	REFERENCE	Circuit containing a 10-MHz reference crystal generator.
A2-A3	FM VCO	A VCO circuit outputs 20 MHz signal that is divided by 2, resulting in a 10 MHz signal which is used for frequency modulation.
A2-A4	LF SYNTH	The A2-A4 LF SYNTH circuit synthesizes low-order frequencies of 10 Hz to 1 MHz and outputs frequencies of 10 MHz to 20 MHz (in 5 Hz steps).
A2-A5	20 MHz STEP	This circuit outputs a 620 to 940 MHz (in 20 MHz steps) signal to the A2-A6 MAIN LOOP circuit, in addition to a constant frequency signal of 110 MHz used for frequency modulation. In addition, it outputs a 720 MHz signal to the A2-A7 OUTPUT circuit when the output frequency of the MG3631A/MG3632A is 0 to 130 MHz.

**Table 2-1 Outline of Circuitry (Continued)**

A No.	Name	Description
A2-A6	MAIN LOOP	This circuit generates a signal of 520 to 1040 MHz (in 5 Hz steps). The frequency of this signal depends on the 620 to 940 MHz (in 20 MHz steps) signal and the 110 MHz signal (used for frequency modulation) from the A2-A5 20 MHz STEP and the 10 to 20 MHz (in 5 Hz steps) signal from the A2-A4 LF SYNTH.
A2-A7	OUTPUT	<p>This circuit generates a 0.1 to 2080 MHz (in 10 Hz steps) signal whose frequency depends upon both the 520 to 1040 MHz (in 5 Hz steps) signal from the A2-A6 MAIN LOOP and the signal from the AT1 Programmable ATT.</p> <p>The output level is controlled by an ALC circuit to remain in the 0 to -5 dBm range (in 0.1 dB steps).</p>
A2-A10	ATT DRIVE	This circuit is composed of a driver circuit for switching the 5-dB step programmable ATT with a maximum attenuation of 135 dB according to the output level setting, and the Reverse Power Protector (RPP) control circuit.
A2-A12	MODULATION	<p>This circuit generates the low-frequency sinewave modulation signal for AM/FM modulation. At amplitude modulation (AM), the modulation signal is supplied to A2-A7 OUTPUT; at frequency modulation (FM), it is supplied to A2-A3 FM VCO.</p> <p>In addition, the ALC reference signal is also generated here and supplied to A2-A7 OUTPUT to set the output level.</p>
A2-A13	POWER SUPPLY	The AC power signal from the power transformer is rectified, smoothed and stabilized; and then the generated DC power is supplied to each circuit.
A2-A14	CPU	This circuit is composed of the CPU, memories, and memory back-up battery for making-up one part of the control circuits.
A2-A15	INTERFACE	This circuit is composed of the I/O interface, GP-IB interface and power-fail detection circuit for making-up one part of the control circuits.

## **2.2 Circuit Description of Each Unit**

### **2.2.1 A1 PANEL UNIT 2**

The block diagram of the A1 PANEL UNIT is shown in Fig. 2-1.

The A1 PANEL UNIT is mounted on the front panel, and is composed of two PC boards: A1-A1 PANEL 1, and A1-A2 PANEL 2.

### **2.2.2 A1-A1 PANEL 1 3**

This circuit is composed of a shift register for lighting the LEDs based on the display data sent from A2-A14 CPU and A2-A15 INTERFACE, as well as the alarm buzzer.

### **2.2.3 A1-A2 PANEL 2 4**

This circuit lights the LEDs according to the LED-driver signals supplied from A1-A1 PANEL 1. The all LEDs are driven by the static lighting method.

In addition, it converts the panel-key matrix signal to serial data, and sends it to A2-A14 CPU and A2-A15 INTERFACE via A1-A1 PANEL 1.

A

B

C

D

E

DEP

A1-A1 PANEL1

SHIFT RESISTER

BELL

A1-A2 PANEL2

7-SEG

LED

TO A2-A1-J8  
A1-W1

A1-A1- W2, W3, W4



STBY

KEY

RÖTARY ENCÖDER

Fig. 2-1

QTY	ITEM	PART No.	DESCRIPTION	MATERIAL	FINISH	NOTE
CHECKED BY J. Kinase		DRAWN BY ALICE		SCALE		
APPROVED BY M. Hashiz		DESIGNED BY T. Kisaki		:		
TITLE A1 PANEL UNIT Block Diagram				DRAWING No. 33W32900 1/1		
6				ANRITSU CORP.		2-5

#### **2.2.4 A2 SG UNIT**

**5**

The block diagram of the A2 SG UNIT is shown in Fig. 2-2. The A2 SG UNIT contains all circuits excluding the front panel.

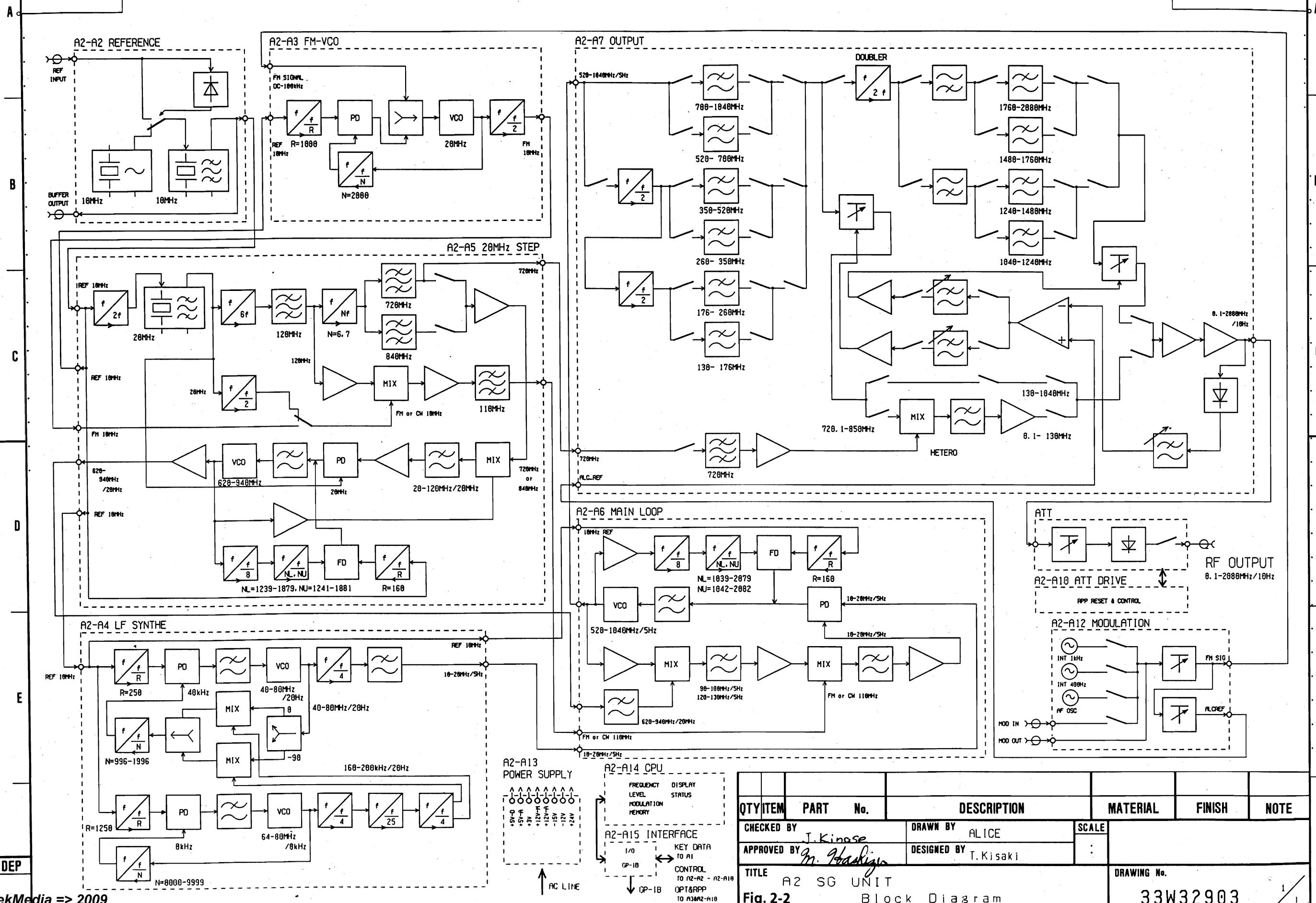
#### **2.2.5 A2-A1 BUFFER**

**6**

A2-A1 BUFFER supplies the DC power produced by A2-A13 POWER SUPPLY to each PC board. In addition, it distributes the control signals produced by A2-A15 INTERFACE to each PC board.

## APPLICATION

## REVISIONS



### 2.2.6 A2-A2 REFERENCE 7

The block diagram of A2-A2 REFERENCE is shown in Fig. 2-3.

A2-A2 REFERENCE is composed of a 10 MHz TCXO, a 10-MHz crystal filter, an external-reference-signal detection circuit, and an internal/external reference-signal switching relay.

When there is no external reference signal, the 10 MHz TCXO signal is connected to the crystal filter.

When there is an external reference signal, the relay is operated by the detection circuit to connect the external reference signal to the crystal filter.

The output of the crystal filter is supplied to A2-A5 20 MHz STEP as the reference signal.





### 2.2.7 A2-A3 FM VCO **8**

The block diagram of A2-A3 FM VCO is shown in Fig. 2-4.

A2-A3 FM VCO is composed of a 20-MHz oscillation frequency VCO, a PLL circuit to synchronize the signal to the 10-MHz reference signal, an attenuator that changes the level of the FM modulation signal according to the frequency range and FM deviation, and a 1/2 divider that converts 20 MHz to 10 MHz.

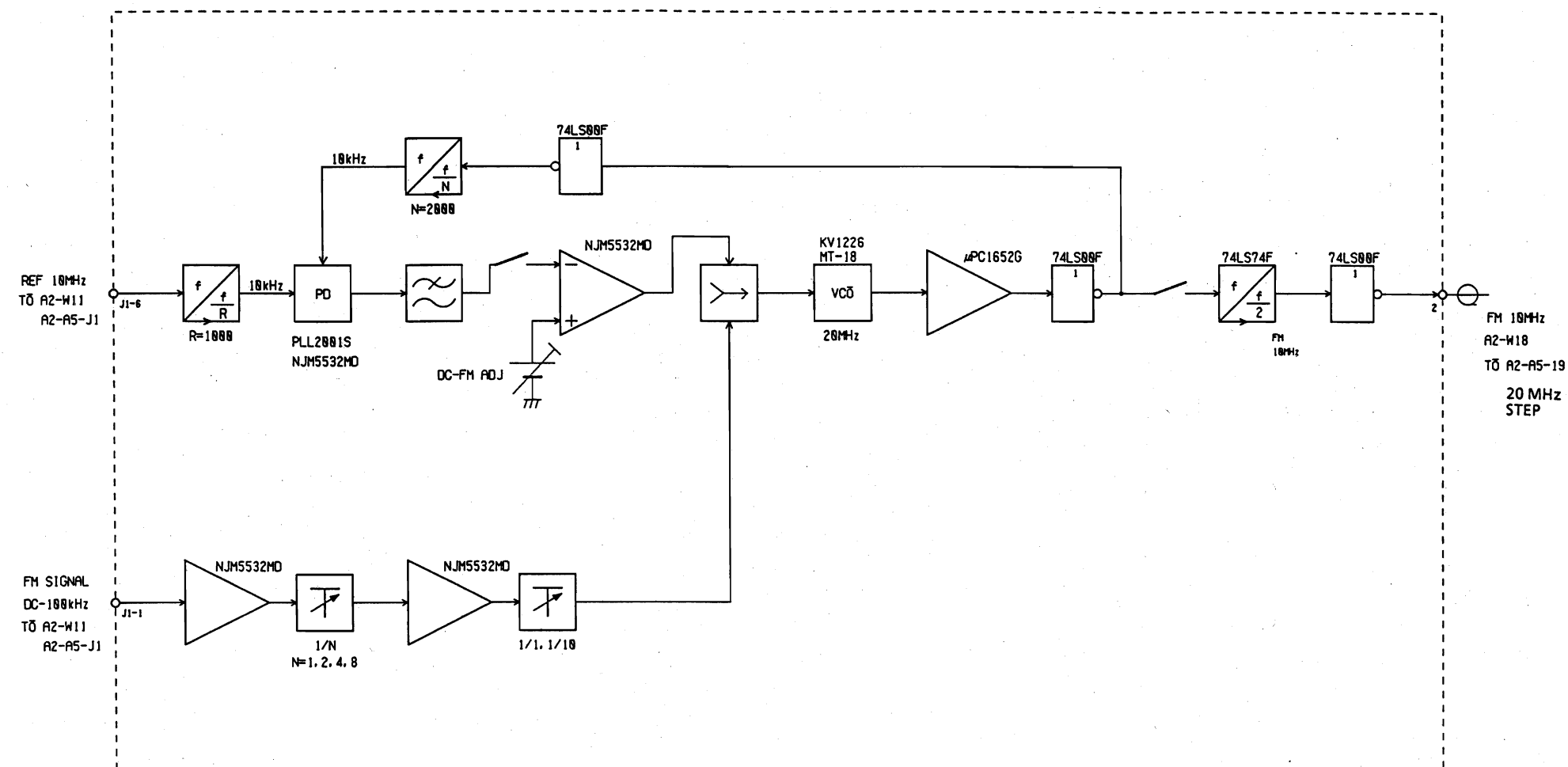
In CW mode, the 20-MHz VCO generates a CW signal synchronized to the 10-MHz reference signal; this signal is converted to 10 MHz by the 1/2 divider, and supplied to A2-A5 20-MHz STEP.

In AC FM mode, the modulation signal is superimposed on the PLL-circuit PD (phase detector), and the FM modulated signal is generated from the 20-MHz VCO.

In DC FM mode, the PLL-circuit PD output is set to OFF and then the 20-MHz VCO operates in the unlocked condition to enable a DC frequency modulation.

Figure 2-5 shows the FM VCO circuit control in each mode.

## REVISIONS.



33W32906

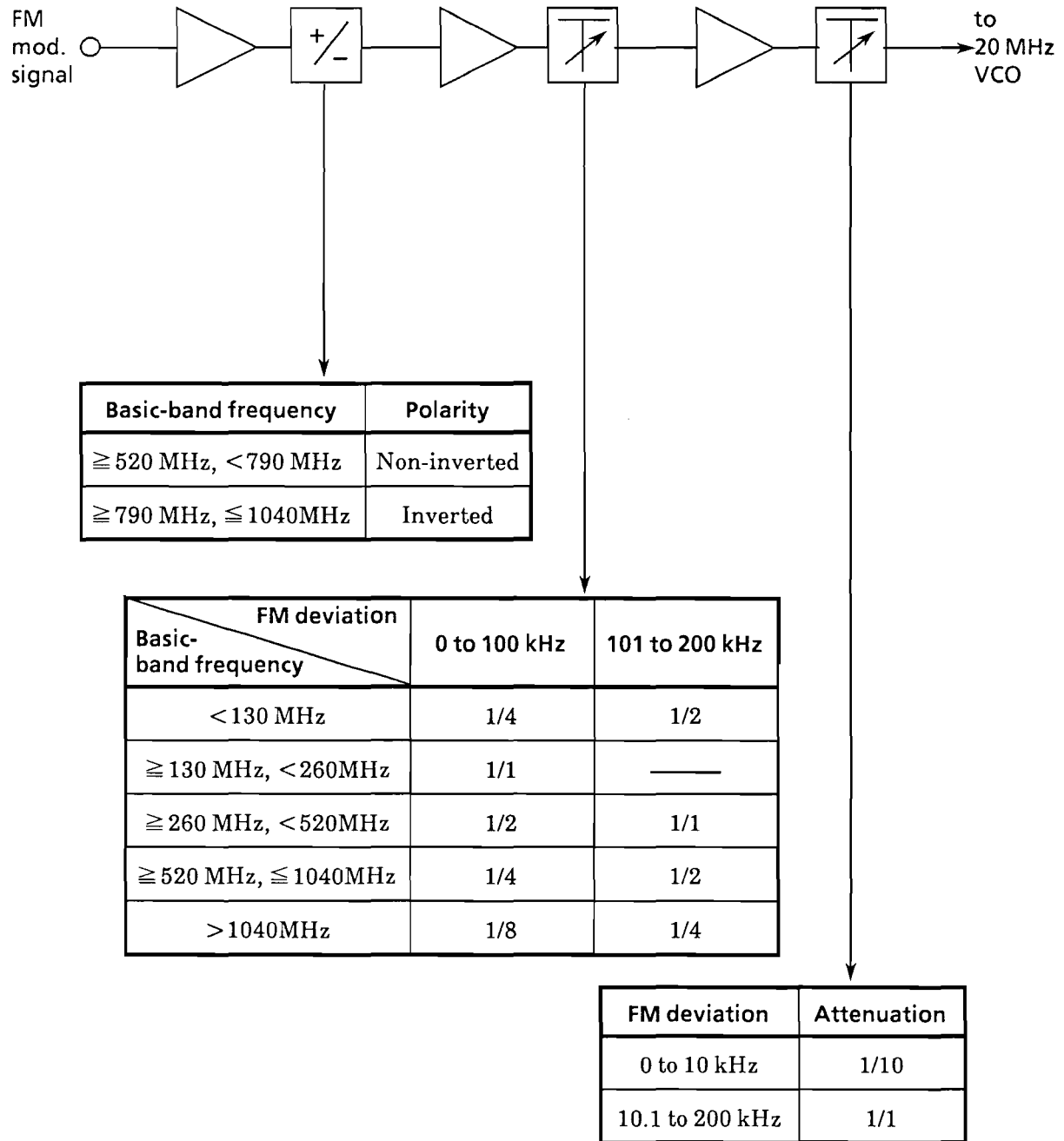


Fig. 2-5 Control of FM VCO

### 2.2.8 A2-A4 LF SYNTHE **9**

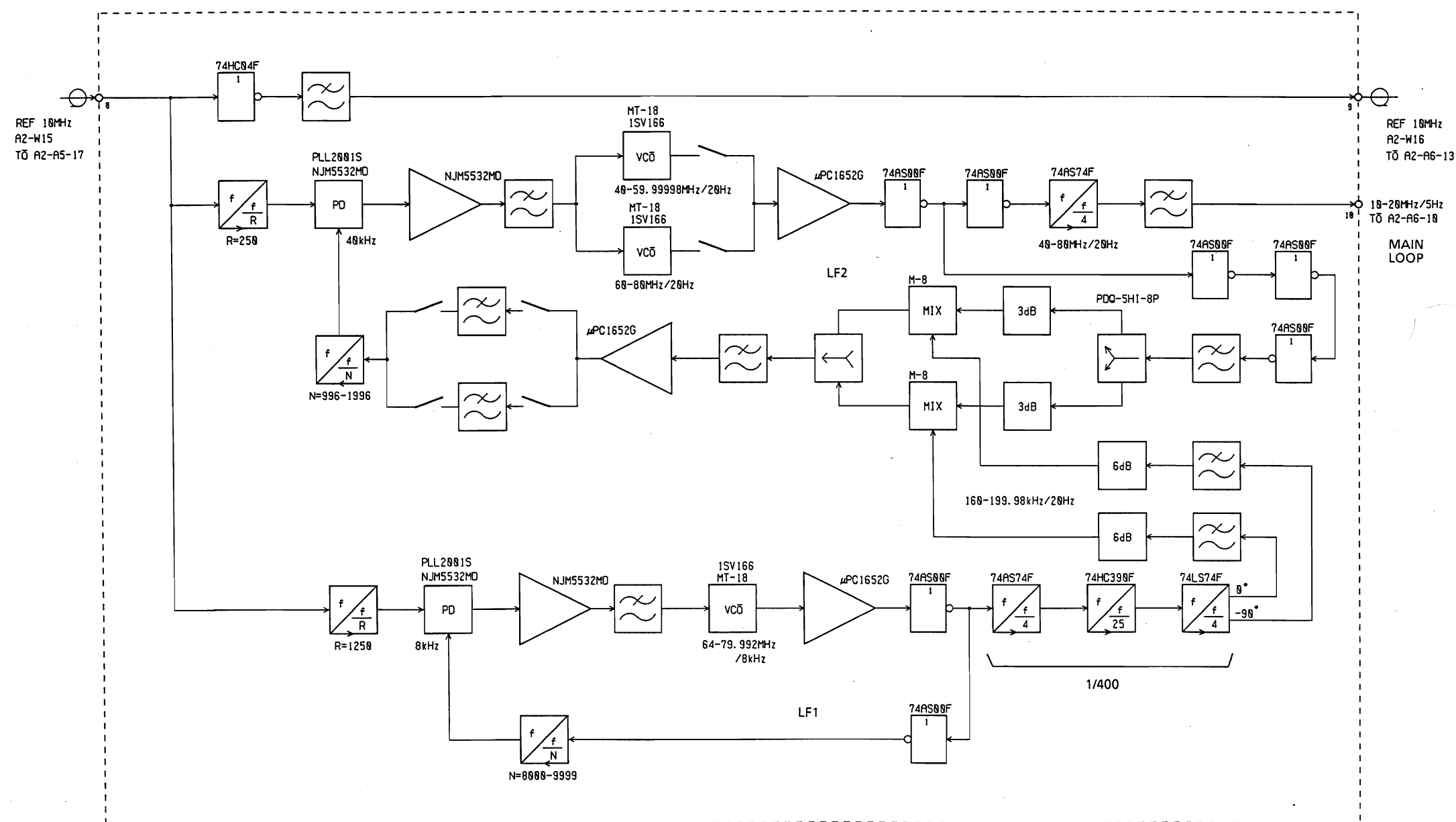
The block diagram of A2-A4 LF SYNTHE is shown in Fig. 2-6.

A2-A4 LF SYNTHE is the circuit that generates the 10 to 20 MHz signal synchronized to the 10 MHz reference signal in 5 Hz steps.

Two PLL circuits are used here: the PLL circuit (LF1) for generating the 64 to 79.992 MHz (in 8 kHz step) signal, and the PLL circuit (LF2) for generating the 40 to 80 MHz (in 20 Hz step) signal using the interpolating signal of 1/400-divided LF1 output signal.

The LF2 output signal is 1/4-divided to generate 10 to 20 MHz (in 5 Hz step) signal and then supplied to A2-A6 MAIN LOOP.

The output signal frequency of LF1 and LF2 corresponding to the output frequency is shown in Fig. 2-7.



QTY	ITEM	PART	No.	DESCRIPTION	MATERIAL	FINISH	NOTE	
CHECKED BY		J. Kinase		DRAWN BY		ALICE		SCALE
APPROVED BY		M. Hashiguchi		DESIGNED BY		T. Kasaki		:
TITLE						DRAWING No.		
A2-A4 LF SYNTHETIC						33W32907		
Block Diagram								

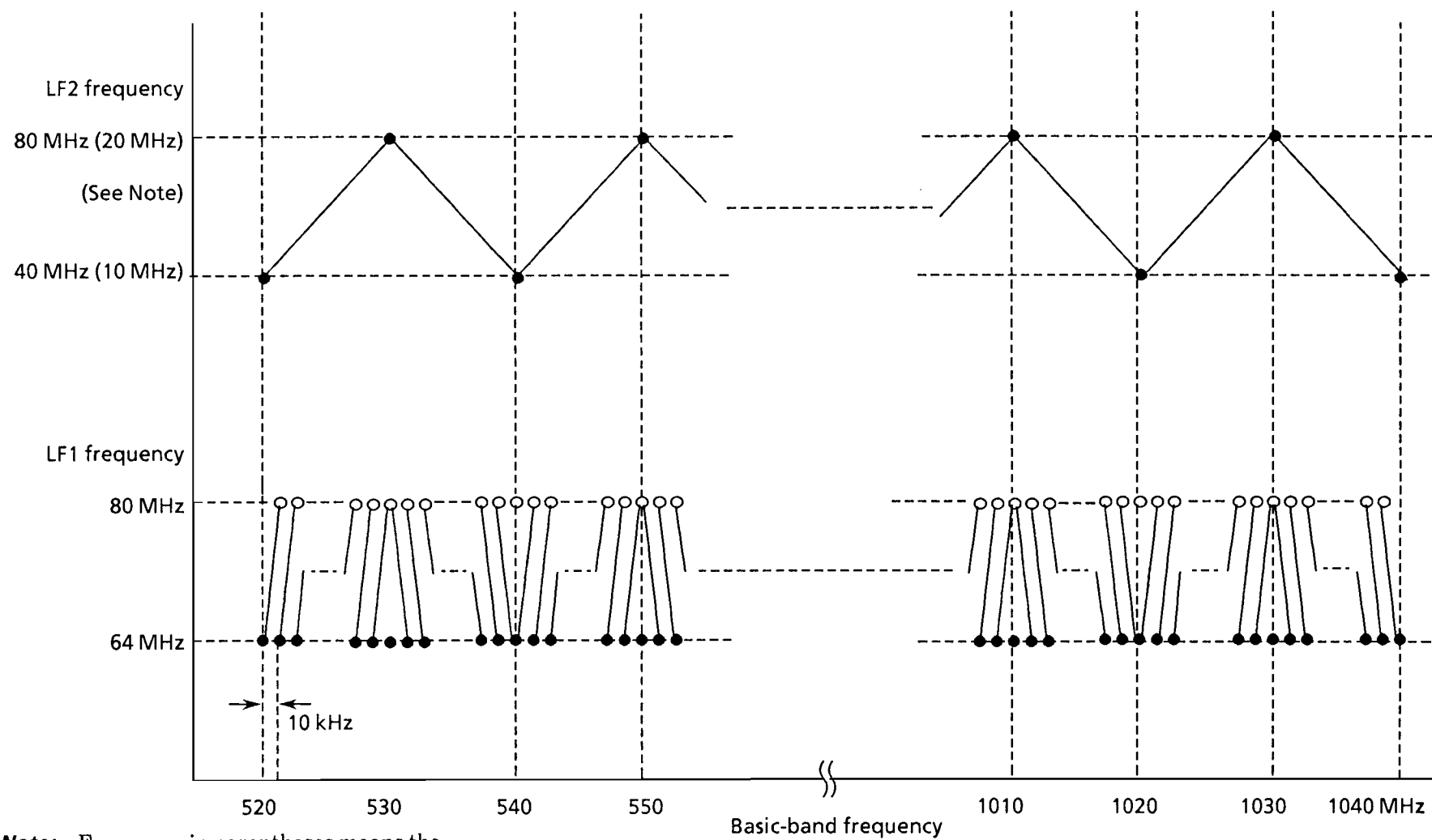


Fig. 2-7 Frequency Setting of A2-A4 LF SYNTH

### 2.2.9 A2-A5 20 MHz STEP 10

The block diagram of A2-A5 20 MHz STEP is shown in Fig. 2-8.

The 620 to 940 MHz signal (in 20 MHz step) based on the 10 MHz reference signal, and the CW or FM modulated 110 MHz signal are generated at A2-A5 20 MHz STEP. These two signals are supplied to A2-A6 MAIN LOOP.

In addition, the 720 MHz signal (used as the beat-band local signal by A2-A7 OUTPUT) is generated here.

Table 2-2 lists the frequencies of the A2-A5 20 MHz STEP output signal corresponding to the output frequencies.

33W32908

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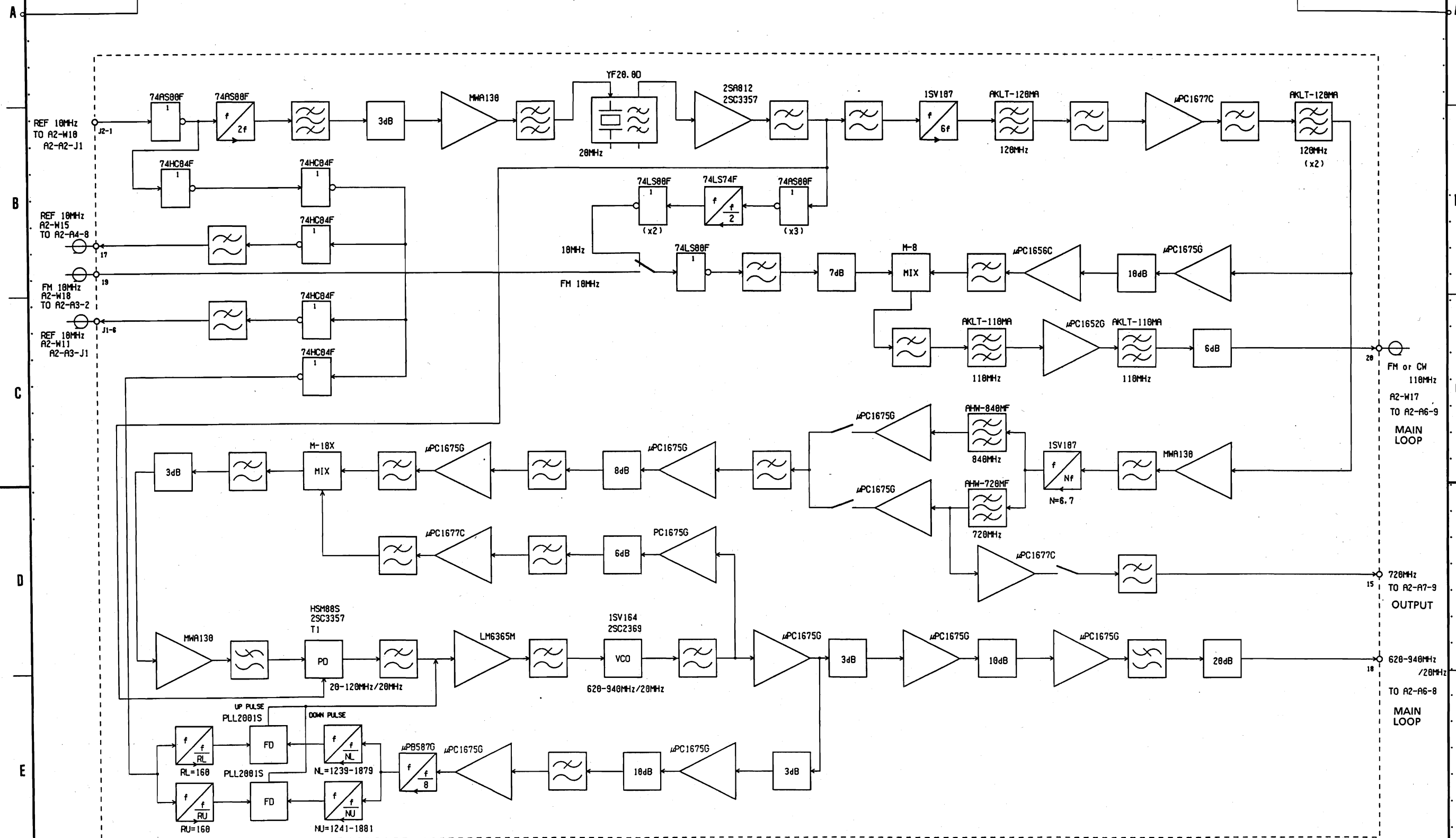
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APPLICATION

REVISIONS



DEP

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Fig. 2-8

QTY/ITEM	PART No.	DESCRIPTION	MATERIAL	FINISH	NOTE
CHECKED BY	J. Kinase	DRAWN BY	ALICE	SCALE	
APPROVED BY	M. Hashiz	DESIGNED BY	T. Kasaki	:	
TITLE	A2-A5 20MHz STEP Block Diagram			DRAWING No.	
				33W32908	



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2-25



Table 2-2 Frequency Setting of A2-A5 20 MHz STEP

Basic-band frequency $F_{OUT}$ [MHz]	20 MHz STEP output frequency [MHz]	Output frequency synthesis	Basic-band frequency $F_{OUT}$ [MHz]	20 MHz STEP output frequency [MHz]	Output frequency synthesis
$520 \leq F_{OUT} < 530$	620	$720 - (20 \times 5)$	$780 \leq F_{OUT} < 790$	880	$840 + (20 \times 2)$
$530 \leq F_{OUT} < 540$	660	$720 - (20 \times 3)$	$790 \leq F_{OUT} < 800$	700	$720 - (20 \times 1)$
$540 \leq F_{OUT} < 550$	640	$720 - (20 \times 4)$	$800 \leq F_{OUT} < 810$	680	$720 - (20 \times 2)$
$550 \leq F_{OUT} < 560$	680	$720 - (20 \times 2)$	$810 \leq F_{OUT} < 820$	720	$840 - (20 \times 6)$
$560 \leq F_{OUT} < 570$	660	$720 - (20 \times 3)$	$820 \leq F_{OUT} < 830$	700	$720 - (20 \times 1)$
$570 \leq F_{OUT} < 580$	700	$720 - (20 \times 1)$	$830 \leq F_{OUT} < 840$	740	$840 - (20 \times 5)$
$580 \leq F_{OUT} < 590$	680	$720 - (20 \times 2)$	$840 \leq F_{OUT} < 850$	720	$840 - (20 \times 6)$
$590 \leq F_{OUT} < 600$	720	$840 - (20 \times 6)$	$850 \leq F_{OUT} < 860$	760	$840 - (20 \times 4)$
$600 \leq F_{OUT} < 610$	700	$720 - (20 \times 1)$	$860 \leq F_{OUT} < 870$	740	$840 - (20 \times 5)$
$610 \leq F_{OUT} < 620$	740	$840 - (20 \times 5)$	$870 \leq F_{OUT} < 880$	780	$840 - (20 \times 3)$
$620 \leq F_{OUT} < 630$	720	$840 - (20 \times 6)$	$880 \leq F_{OUT} < 890$	760	$840 - (20 \times 4)$
$630 \leq F_{OUT} < 640$	760	$840 - (20 \times 4)$	$890 \leq F_{OUT} < 900$	800	$840 - (20 \times 2)$
$640 \leq F_{OUT} < 650$	740	$840 - (20 \times 5)$	$900 \leq F_{OUT} < 910$	780	$840 - (20 \times 6)$
$650 \leq F_{OUT} < 660$	780	$840 - (20 \times 3)$	$910 \leq F_{OUT} < 920$	820	$840 - (20 \times 1)$
$660 \leq F_{OUT} < 670$	760	$840 - (20 \times 4)$	$920 \leq F_{OUT} < 930$	800	$840 - (20 \times 2)$
$670 \leq F_{OUT} < 680$	800	$840 - (20 \times 2)$	$930 \leq F_{OUT} < 940$	840	$720 + (20 \times 6)$
$680 \leq F_{OUT} < 690$	780	$840 - (20 \times 3)$	$940 \leq F_{OUT} < 950$	820	$840 - (20 \times 1)$
$690 \leq F_{OUT} < 700$	820	$840 - (20 \times 1)$	$950 \leq F_{OUT} < 960$	860	$840 + (20 \times 1)$
$700 \leq F_{OUT} < 710$	800	$840 - (20 \times 2)$	$960 \leq F_{OUT} < 970$	840	$720 + (20 \times 6)$
$710 \leq F_{OUT} < 720$	840	$720 + (20 \times 6)$	$970 \leq F_{OUT} < 980$	880	$840 + (20 \times 2)$
$720 \leq F_{OUT} < 730$	820	$840 - (20 \times 1)$	$980 \leq F_{OUT} < 990$	860	$840 + (20 \times 1)$
$730 \leq F_{OUT} < 740$	860	$840 + (20 \times 1)$	$990 \leq F_{OUT} < 1000$	900	$840 + (20 \times 3)$
$740 \leq F_{OUT} < 750$	840	$720 + (20 \times 6)$	$1000 \leq F_{OUT} < 1010$	880	$840 + (20 \times 2)$
$750 \leq F_{OUT} < 760$	880	$840 + (20 \times 2)$	$1010 \leq F_{OUT} < 1020$	920	$840 + (20 \times 4)$
$760 \leq F_{OUT} < 770$	860	$840 + (20 \times 1)$	$1020 \leq F_{OUT} < 1030$	900	$840 + (20 \times 3)$
$770 \leq F_{OUT} < 780$	900	$840 + (20 \times 3)$	$1030 \leq F_{OUT} \leq 1040$	940	$840 + (20 \times 5)$

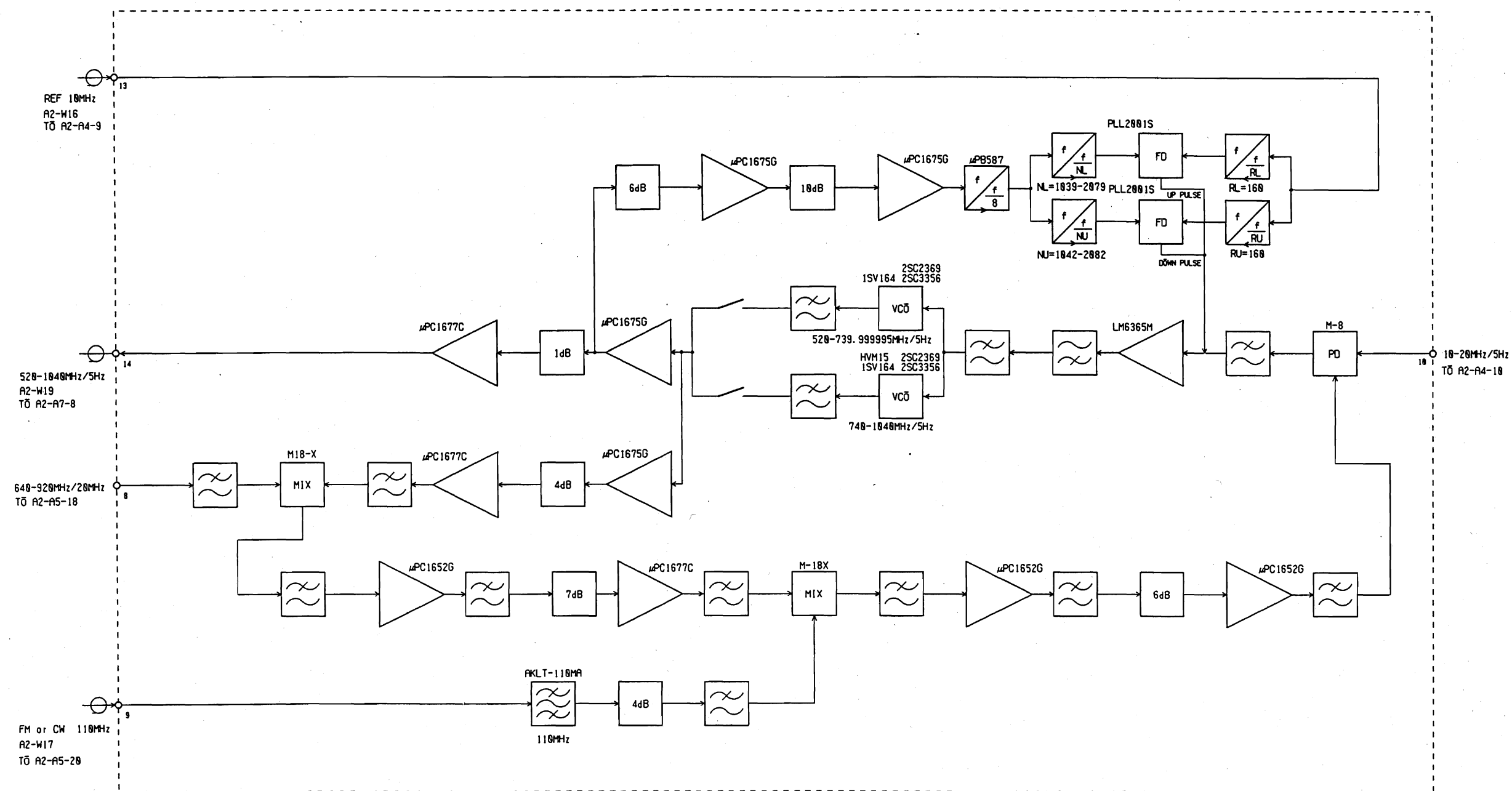


Fig. 2-9

QTY/ITEM	PART No.	DESCRIPTION	MATERIAL	FINISH	NOTE
CHECKED BY	J. Kinase	DRAWN BY	ALICE	SCALE	
APPROVED BY	M. Horiguchi	DESIGNED BY	T. Kisaki		
TITLE	A2-A6 MAIN LOOP Block Diagram			DRAWING No.	33W32909

**2.2.10 A2-A6 MAIN LOOP 11**

The block diagram of A2-A6 MAIN LOOP is shown in Fig. 2-9.

At A2-A6 MAIN LOOP, the 10 MHz and 10 to 20 MHz (in 5 Hz step) signals from A2-A4 LF SYNTH, and the 110 MHz and 640 to 920 MHz (in 20 MHz step) signals from A2-A5 20 MHz STEP are used to synthesize the 520 to 1040 MHz signal (in 5 Hz step) of the basic band.

The frequency range is covered with the two bands (520 to 739.999995 MHz and 740 to 1040 MHz) here using the two respective VCOs.

Table 2-3 lists the frequencies of the A2-A6 MAIN LOOP output signals corresponding to the output frequencies.

**Table 2-3 A2-A6 MAIN LOOP Frequency Settings**

Output frequency (Fo)	A2-A6 MAIN LOOP output frequency (Fmain)
$F_o < 130 \text{ MHz}$	$F_{\text{main}} = F_o + 720 \text{ MHz}$
$130 \text{ MHz} \leq F_o < 260 \text{ MHz}$	$F_{\text{main}} = F_o \times 4$
$260 \text{ MHz} \leq F_o < 520 \text{ MHz}$	$F_{\text{main}} = F_o \times 2$
$520 \text{ MHz} \leq F_o \leq 1040 \text{ MHz}$	$F_{\text{main}} = F_o$
$1040 \text{ MHz} < F_o$	$F_{\text{main}} = F_o / 2$

### 2.2.11 A2-A7 OUTPUT **12**

The block diagram of A2-A7 OUTPUT is shown in Fig. 2-10.

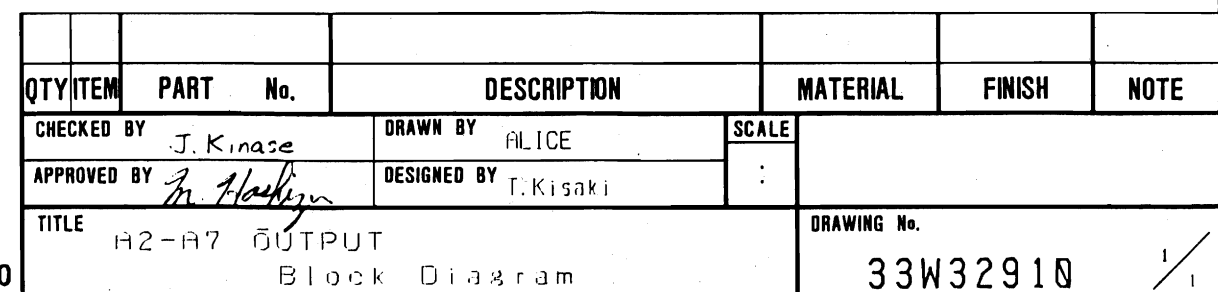
The basic band signal (520 to 1040 MHz, in 5 Hz step) from A2-A6 MAIN LOOP is multiplied, divided and beated-down to generate the final frequency range of 0.1 to 2080 MHz at A2-A7 OUTPUT.

This signal is amplified by a power amplifier, and the level is stabilized and controlled by an ALC circuit to allow an output level range of  $-20$  to  $+13$  dBm with a resolution of 0.1 dB.

Amplitude modulation is also performed along with the level control by the ALC circuit.

The A2-A7 OUTPUT level diagram is shown in Fig. 2-11; the relationship between the output-level set value and the power-amplifier output level is shown in Fig. 2-12.

## REVISIONS



A2-A7 OUTPUT  
Block Diagram

## REVISIONS

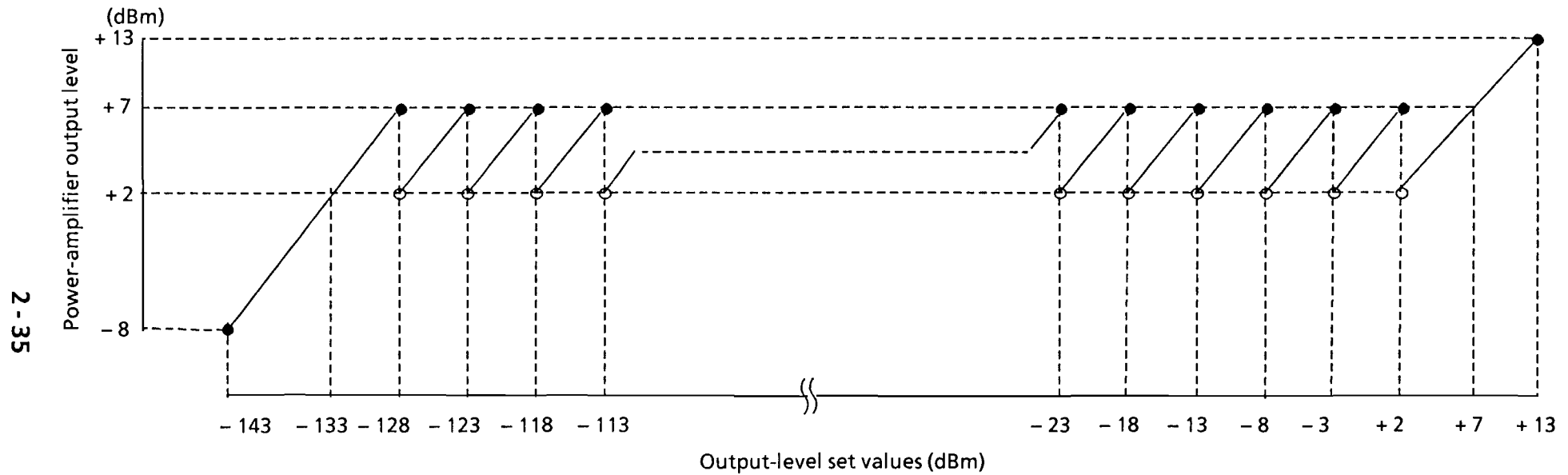


6

F

**Fig. 2-11**

ANRITSU CORP.



**Note:** This graph does not consider the losses of the P-ATT and RPP (Reverse Power Protector), etc. so the actual power-amplifier output level is about 2 to 4 dB larger than the level in this figure.

Fig. 2-12 Relationship between Output-Level Set Values and Power-Amplifier Output Level

### 2.2.12 A2-A10 ATT DRIVE **13**

The block diagram of A2-A10 ATT DRIVE is shown in Fig. 2-13.

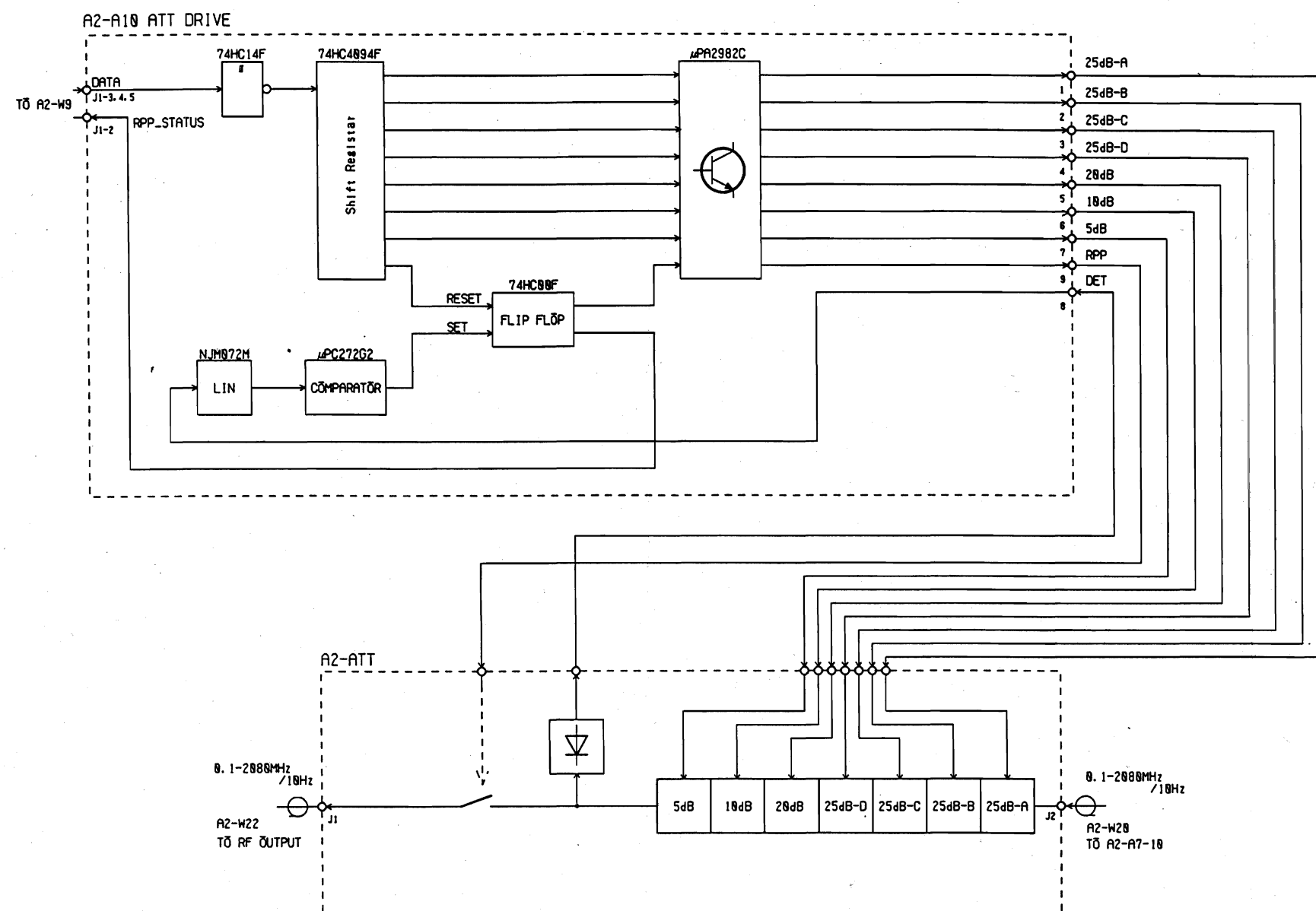
A2-A10 ATT DRIVE is a circuit that drives the attenuator relays based on the programmable-ATT attenuation setting data in accordance with the output-level set values. Table 2-4 shows the relationship between the output-level set values and the P-ATT setting.

In addition, A2-A10 ATT DRIVE also has a control circuit for the Reverse Power Protector (RPP).

When the detected voltage of a power sensor in the P-ATT rises above a fixed level, the comparator and flip-flop circuit operate to drive the P-ATT section relays to open the P-ATT for protection.

The RPP is reset by a negative-logic pulse signal from A2-A15 INTERFACE.





**Fig. 2-13**

QTY	ITEM	PART	No.	DESCRIPTION			MATERIAL	FINISH	NOTE
CHECKED BY		J. Kinase			DRAWN BY		ALICE		SCALE
APPROVED BY		M. Harkin			DESIGNED BY		T. Kisaki		:
TITLE							DRAWING No.		
A2-A10 ATT DRIVE Block Diagram							33W32911		

Table 2-4 P-ATT Setting

Output level [dBm]	Overall attenuation [dB]	25 dB A	25 dB B	25 dB C	25 dB D	20 dB	10 dB	5 dB
+13 to +2.1	0	—	—	—	—	—	—	—
+2 to +2.9	5	—	—	—	—	—	—	○
−3 to −7.9	10	—	—	—	—	—	○	—
−8 to −12.9	15	—	—	—	—	—	○	○
−13 to −17.9	20	—	—	—	—	○	—	—
−18 to −22.9	25	○	—	—	—	—	—	—
−23 to −27.9	30	○	—	—	—	—	—	○
−28 to −32.9	35	○	—	—	—	—	○	—
−33 to −37.9	40	○	—	—	—	—	○	○
−38 to −42.9	45	○	—	—	—	○	—	—
−43 to −47.9	50	○	○	—	—	—	—	—
−48 to −52.9	55	○	○	—	—	—	—	○
−53 to −57.9	60	○	○	—	—	—	○	—
−58 to −62.9	65	○	○	—	—	—	○	○
−63 to −67.9	70	○	○	—	—	○	—	—
−68 to −72.9	75	○	○	○	—	—	—	—
−73 to −77.9	80	○	○	○	—	—	—	○
−78 to −82.9	85	○	○	○	—	—	○	—
−83 to −87.9	90	○	○	○	—	—	○	○
−88 to −92.9	95	○	○	○	—	○	—	—
−93 to −97.9	100	○	○	○	○	—	—	—
−98 to −102.9	105	○	○	○	○	—	—	○
−103 to −107.9	110	○	○	○	○	—	○	—
−108 to −112.9	115	○	○	○	○	—	○	○
−113 to −117.9	120	○	○	○	○	○	—	—
−118 to −122.9	125	○	○	○	○	○	—	○
−123 to −127.9	130	○	○	○	○	○	○	—
−128 to −143	135	○	○	○	○	○	○	○

○: ATT ON

### 2.2.13 A2-A12 MODULATION **14**

The block diagram of A2-A12 MODULATION is shown in Fig. 2-14.

A2-A12 MODULATION generates a low-frequency modulation signal for the AM and FM modulation.

In addition, the ALC reference signal used by A2-A7 OUTPUT is also generated here.

A2-A12 MODULATION roughly is composed of the following four circuits.

#### **(1) Internal modulation-signal generator circuit**

The 400-Hz/1-kHz sine-wave modulation signals are obtained by dividing the output frequency of the 16 MHz crystal oscillator by 1/40000 or 1/16000, and by removing the distortion with an LPF.

#### **(2) External modulation-signal input circuit**

The low-frequency external modulation signal (input to the front-panel MOD INPUT connector) is terminated by a 600  $\Omega$  resistor, and amplified by operational amplifiers.

AC/DC COUPLE switching is performed by a relay. In addition,  $\pm$ POLARITY switching is performed by the 2nd-stage operational amplifier.

An appropriate level for the external modulation signal is determined by a peak detector and a level comparator, and the results lit the level indicators on the front panel.

#### **(3) Synthesis circuit for modulation signal**

The internal and external modulation signals are combined based on the INT/EXT setting status of the modulation signal, and the combined signal is input to a D/A converter for modulation-factor setting.

#### **(4) ALC-reference-signal generator circuit**

The high-stable DC voltage is adjusted by a D/A converter (for setting the output level) and another D/A converter (for calibrating the output level), and is supplied as the ALC reference signal to A2-A7 OUTPUT.

At amplitude modulation, the AM modulation signal is superimposed on the ALC reference signal.

## REVISIONS



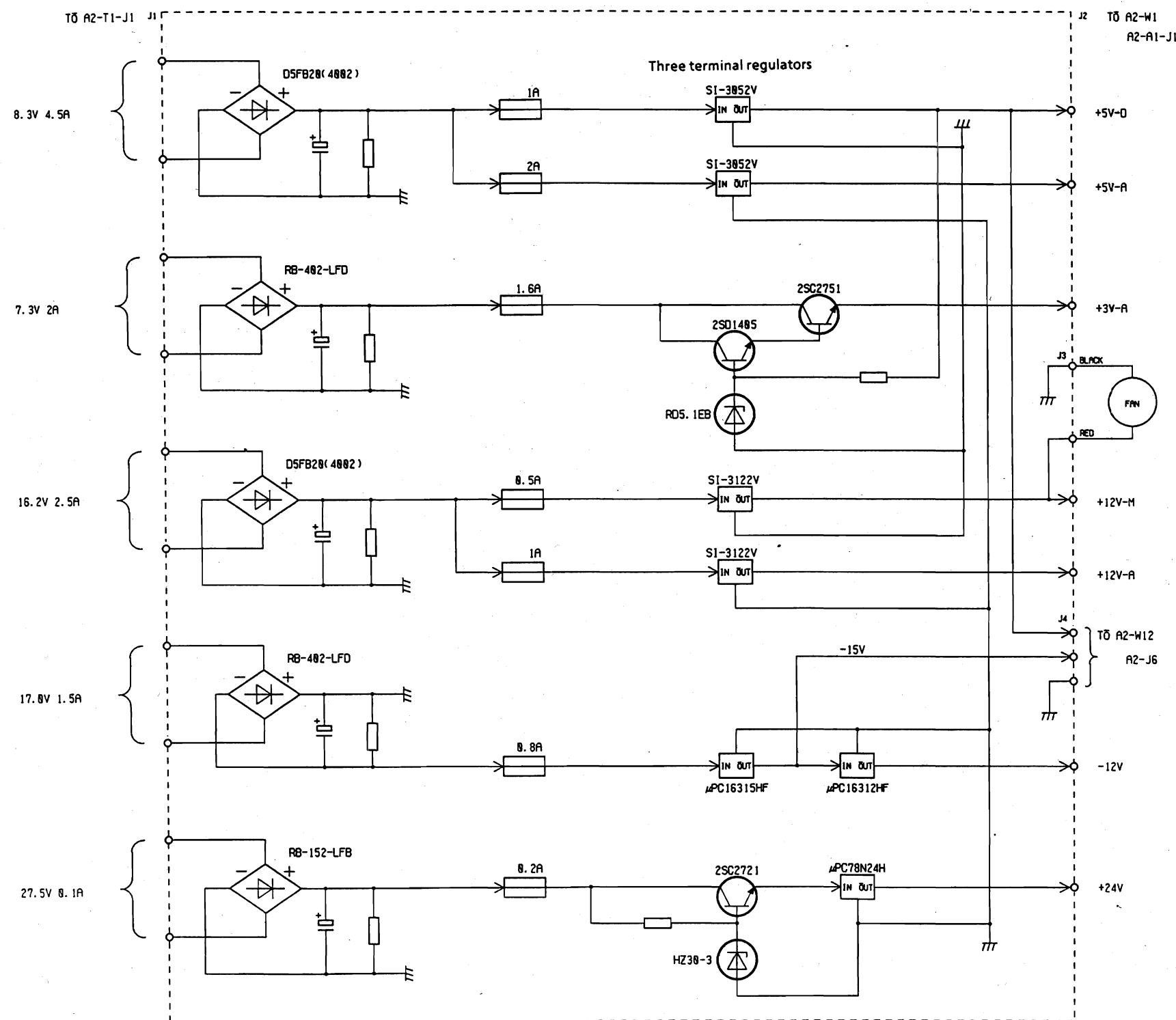
QTY	ITEM	PART	No.	DESCRIPTION			MATERIAL	FINISH	NOTE
CHECKED BY		J. Kinase			DRAWN BY		ALICE		
APPROVED BY		M. Hashiz			DESIGNED BY		T. Kisaki		
TITLE		A2-A12 MODULATION			DRAWING No.		33W32912		
		Block Diagram							

#### 2.2.14 A2-A13 POWER SUPPLY **15**

The block diagram of A2-A13 POWER SUPPLY is shown in Fig. 2-15.

The AC voltages from the power transformer are rectified, smoothed and stabilized here; and the following eight DC voltages are supplied to each circuit.

- |            |                                 |
|------------|---------------------------------|
| 1. +5 V-D  | Mainly for digital circuits     |
| 2. +5 V-A  | Mainly for analog circuits      |
| 3. +3 V    | For LEDs on A1 PANEL UNIT       |
| 4. +12 V-M | For driving P-ATT and fan, etc. |
| 5. +12 V-A | For analog circuits             |
| 6. -15 V   | For AUX terminal                |
| 7. -12 V   | For analog circuits             |
| 8. +24 V   | For analog circuits             |



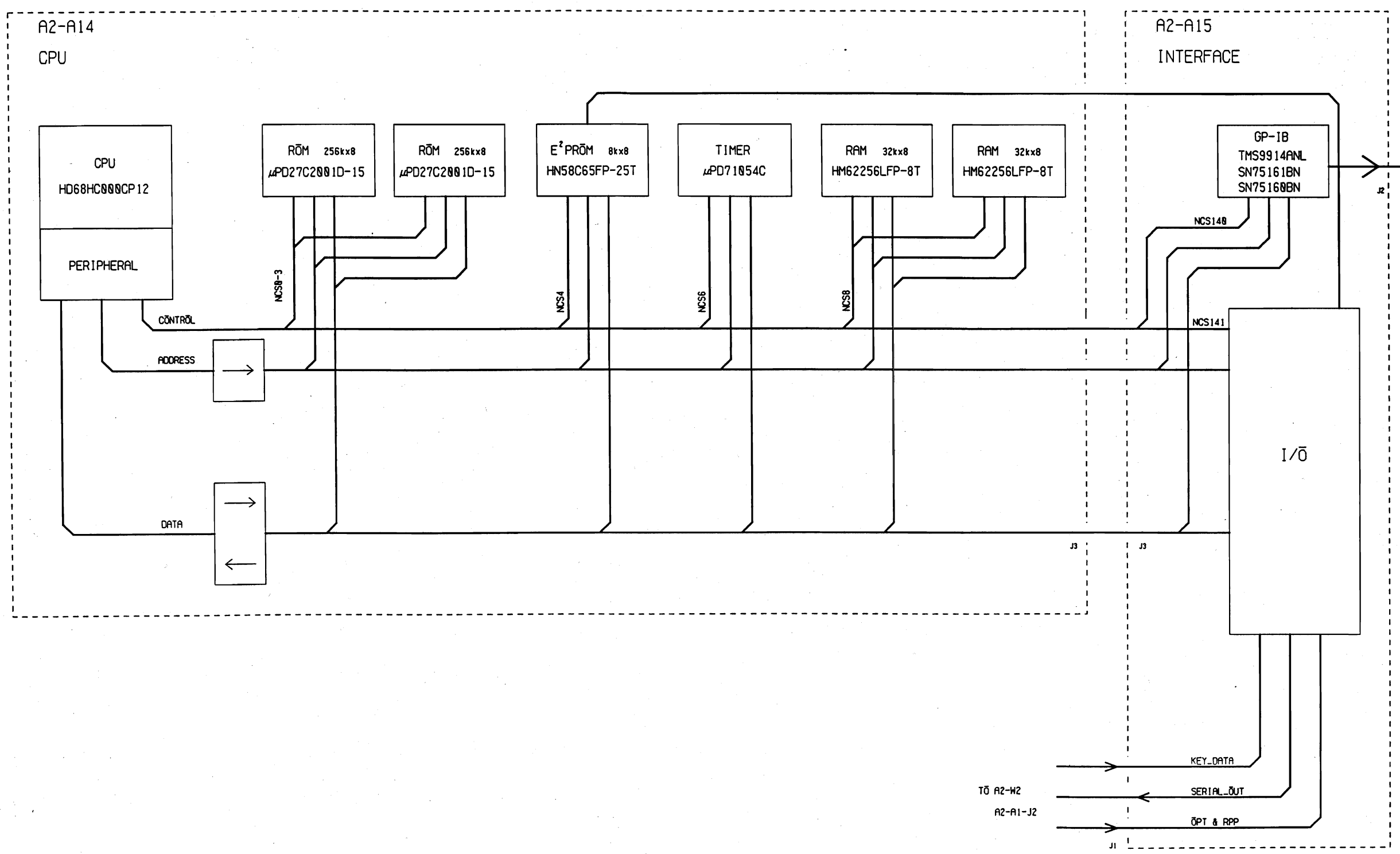
QTY	ITEM	PART No.	DESCRIPTION		MATERIAL	FINISH	NOTE
CHECKED BY		J. Kinase	DRAWN BY		ALICE	SCALE	
APPROVED BY		<i>[Signature]</i>	DESIGNED BY		T. Kasaki	:	
TITLE						DRAWING No.	
A2-A13 POWER SUPPLY Block Diagram						33W32913	

### **2.2.15 A2-A14 CPU 16 , A2-A15 INTERFACE 17**

The block diagrams of A2-A14 CPU and A2-A15 INTERFACE are shown in Fig. 2-16.

A2-A14 CPU is composed of a 16-bit CPU, ROMs, RAMs, E2PROMs (for frequency-characteristics calibration data), timer, and back-up battery. The RAMs are backed-up by a battery even if the power is turned OFF.

A2-A15 INTERFACE is composed of interfaces for each circuit, a GP-IB interface, and a power-fail detection circuit. The data transmission for each circuit uses the serial transmission method.



QTY	ITEM	PART No.	DESCRIPTION	MATERIAL	FINISH	NOTE
CHECKED BY		DRAWN BY		SCALE		
J. Kinase		ALICE				
APPROVED BY		DESIGNED BY		:		
		T. Kisaki				
TITLE				DRAWING No.		
A2-A14, A15 CPU, INTERFACE				33W32914		
Block Diagram						

Fig. 2-16



### **2.2.16 A3 STD UNIT 18 , A3-A1 STD POWER 19 (Options 01 to 03)**

The block diagrams of A3 STD UNIT is shown in Fig. 2-17.

A3 STD UNIT is composed of a dedicated transformer, a rectifier, a 12 V three-terminal voltage regulator, and a high-stable 10 MHz crystal oscillator.

The stability of the crystal oscillator depends on the option number.

APPLICATION

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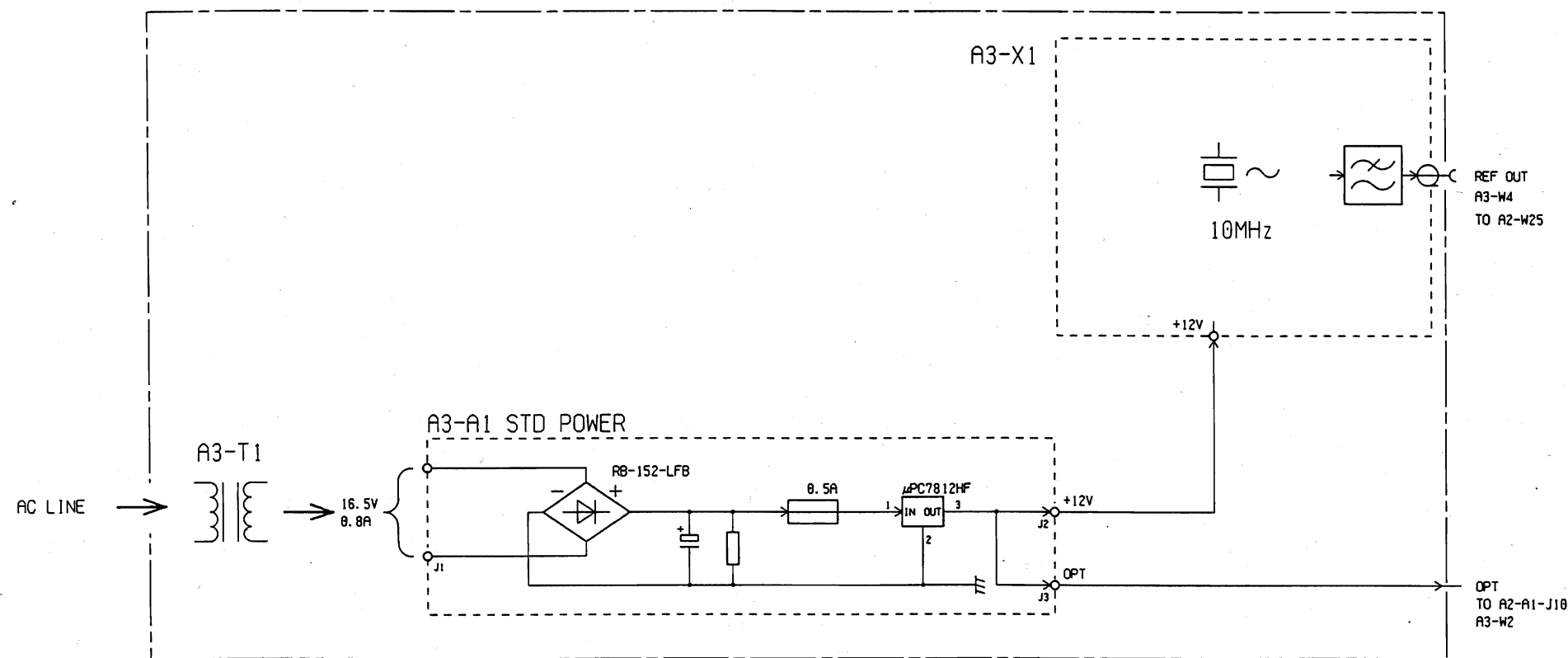
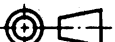


Fig. 2-17

QTY	ITEM	PART No.	DESCRIPTION	MATERIAL	FINISH	NOTE
CHECKED BY J. Kinase			DRAWN BY ALICE	SCALE		
APPROVED BY M. Hashizume			DESIGNED BY T. Kasaki			
TITLE A3 STD UNIT(OPT01~03) Block Diagram				DRAWING No. 33W32915		
6				ANRITSU CORP		2-53

## **SECTION 3**

### **TROUBLESHOOTING AND REPAIR**

#### **3.1 Introduction**

This section explains how to troubleshoot the MG3631A/MG3632A when a fault occurs.

Paragraph 3.7 provides the flowcharts corresponding to the faulty symptoms for locating the faulty point.

Paragraph 3.8 describes the special functions used for maintenance.

## 3.2 Checking and Replacing Parts

### 3.2.1 Explanation of identification markings on the PC board

Figure 3-1 shows a typical PC-board number (with revision number), PC-board name and test-point name location.

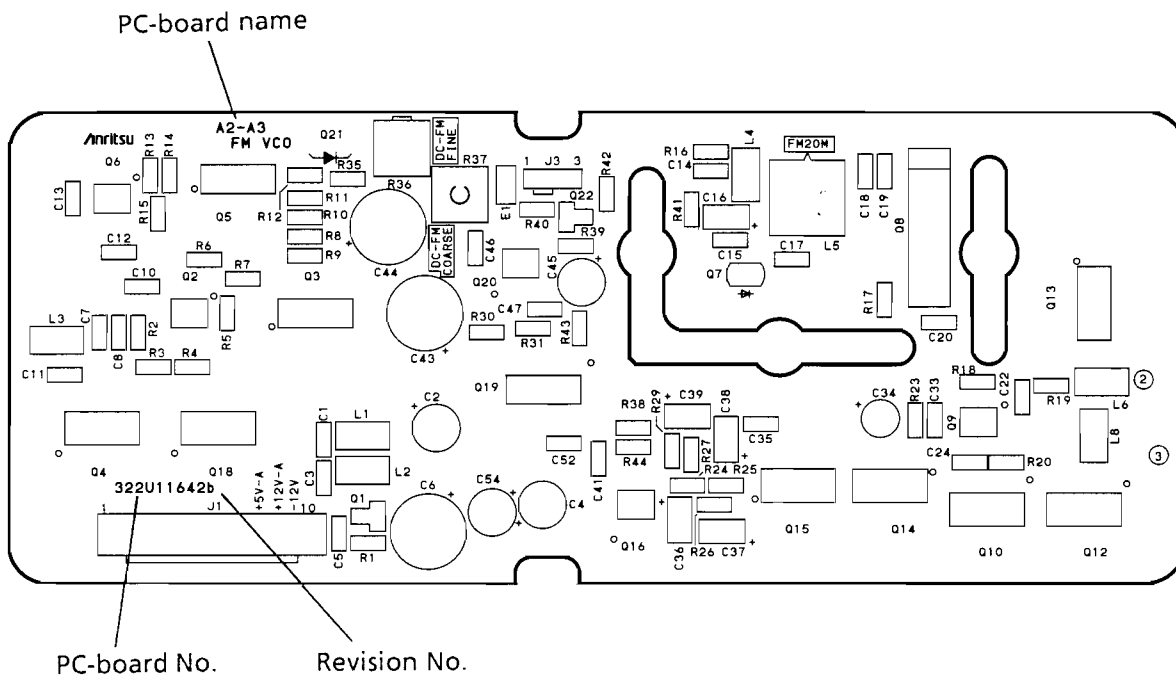


Fig. 3-1 PC-Board Identification Markings

### 3.2.2 Notes on soldering

1. Use an ordinary 30 to 40-watt pencil-type soldering iron.
2. Be sure to use an insulated soldering iron. The part may be damaged if an uninsulated soldering iron is used.
3. When removing a soldered component from a circuit board or when soldering in a new component, grasp the pins of the component being soldered with the tweezers to shunt the heat.
4. The tips of the pins of the major components are bent behind the PC board to ensure tight fit. To remove a component, first straighten the tips of the pins and then remove the component.

### 3.2.3 Transistor and diode check

#### (1) Checking transistors mounted on the PC board

Transistors can be checked for acceptable quality in the operating state by measuring the base and emitter potentials. The NPN-type silicon transistor has a base potential that is 0.6 or 0.7 V higher than the emitter potential. In the PNP-type silicon transistor, the base is 0.6 or 0.7 V lower than the emitter. Transistors are, therefore, faulty if these relationships are not satisfied.

#### (2) Checking transistors not mounted on the PC board

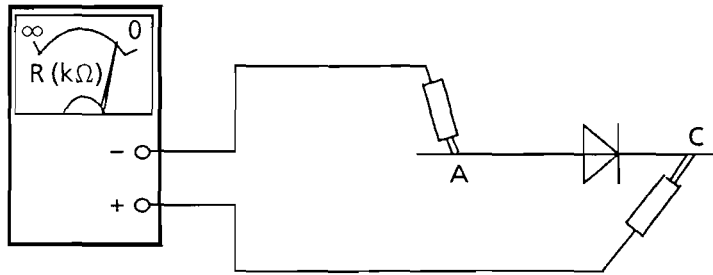
Transistors can be checked by measuring the resistances of the emitter, base, and collector with a circuit tester. Standard values are given in Table 3-1. Note that this check should be performed with measuring currents of less than 100  $\mu\text{A}$ .

**Table 3-1 Testing Transistors Not Mounted on the PC Board**

Type of transistor	Connector Ohmmeter		Resistance to be measured (ohms)
	Positive lead to	Negative lead to	
PNP silicon	Emitter, Collector	Base	1 to 10 k
	Emitter	Collector	Very high
NPN silicon	Base	Emitter, Collector	1 to 10 k
	Emitter	Collector	Very high

### (3) Checking diodes not mounted on the PC board

Diodes can be checked by measuring the directional resistances between the anode and cathode and the cathode and anode. If the resistance between the anode and cathode (A-C) is high while the resistance between the C-A is low when measured with an ohmmeter as shown in Fig. 3-2, the diode is normal.

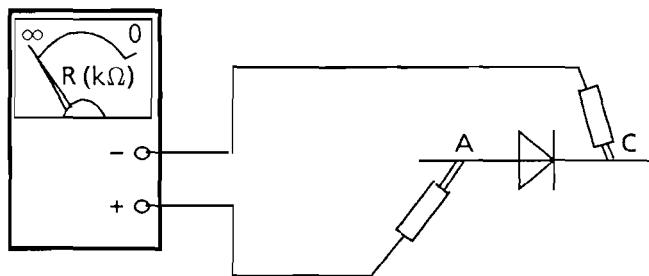


Example: 1S953

A-C:  $\infty$

C-A:  $\approx 9 k\Omega$

(1) Between C-A



(2) Between A-C

Fig. 3-2 Diode Check

### 3.2.4 Level check

The symbols used on the troubleshooting diagrams in this section have the following meanings.

+5 dBm: The level measured by a spectrum analyzer terminated at  $50\ \Omega$ .

When removing a dc component, serially connect a capacitor to the probe cable at the place where the dc voltage is to be applied.

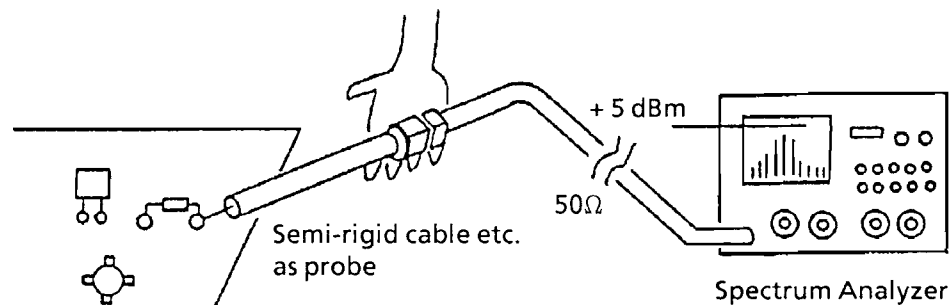


Fig. 3-3 Checking the Circuit with a Spectrum Analyzer

When a connector is used for measurement, its input level is the same as that which would occur if the connector was removed and the signal was input to the spectrum analyzer.

5 Vp-p: Measuring the level with an oscilloscope at high impedance. ( $> 1\ \text{M}\Omega//10\ \text{pF}$ )

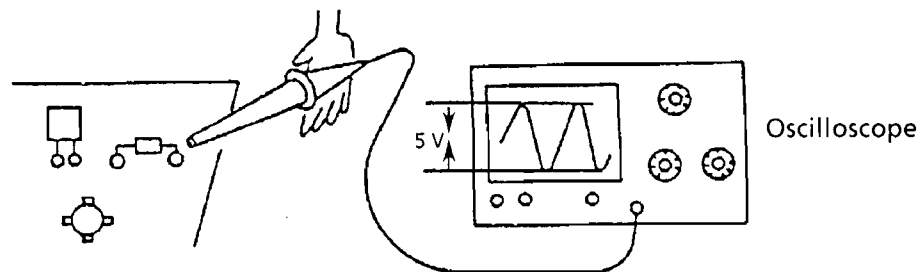


Fig. 3-4 Checking with an Oscilloscope

### 3.3 Service Kits

Table 3-2 describes the composition of the service kits (sold separately). The ordering number for service kits is 34Y100832.

**Table 3-2 Service Kits (Sold separately)**

(Units: mm)

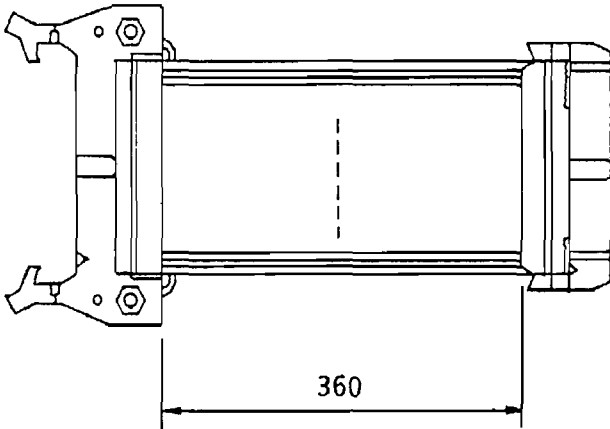
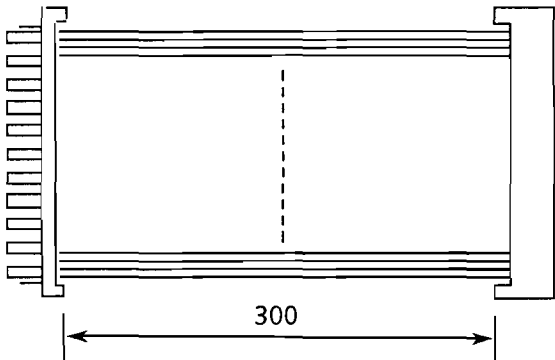
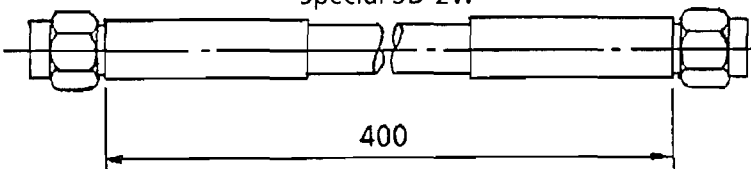
No.	Name	Configuration	Drawing No.
1	Extender Cable 1	HIF3-20PD-2.54R/HIF3BA-20D-2.54R-CL 	44J95055D
2	Extender Cable 2	PICD-26S-DT1-N/PICD-26P-DT4-N 	349J100833
3	Extender Cable 3	HRM202B Special 3D-2W HRM202B 	449J25501K



Table 3-2 Service Kits (Sold separately) (Cont'd)

(Units: mm)

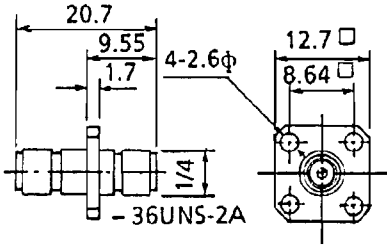
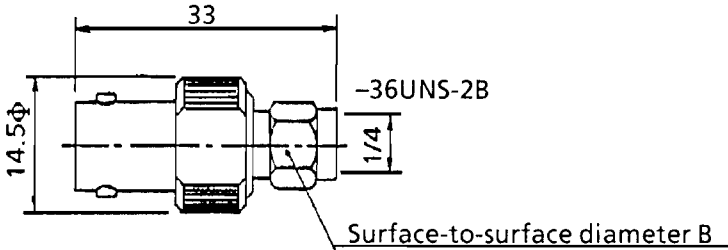
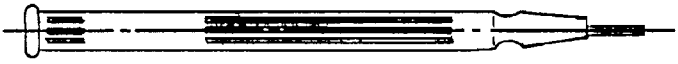

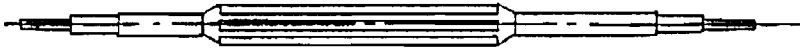






No.	Name	Configuration	Drawing No.
4	Conversion adaptor 1  SMAJ-SMAJ	HRM513S  	
5	Conversion adaptor 2  SMAP-BNCJ	HRM517  	
6	Adjustment bar 1	 	2.6 x 0.4
7	Adjustment bar 2	  1.2 x 0.65, 1.4 x 0.75  1.4, 1.5;  2.6, 2.7	
8	Adjustment bar 3	  1.0 x 0.9  1.93, 2.0, 2.6, 2.65	

Table 3-2 Service Kits (Sold separately) (Cont'd)

(Units: mm)

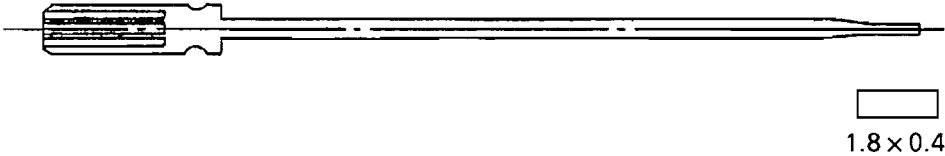
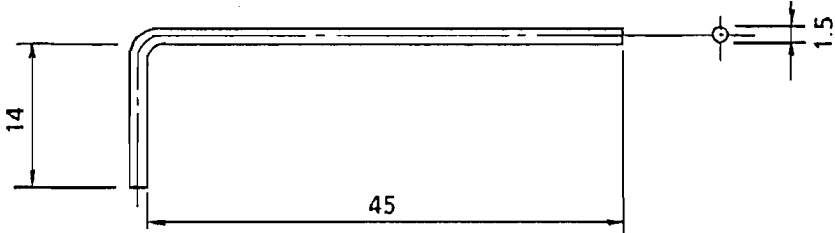
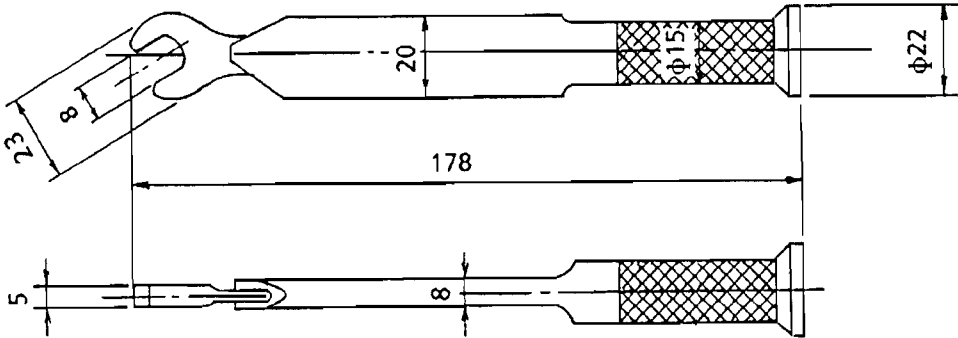
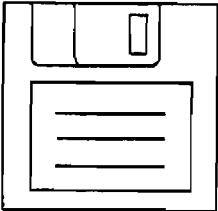
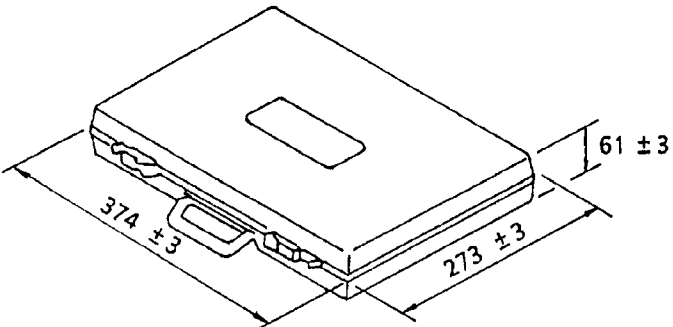
No.	Name	Configuration	Drawing No.
9	Adjustment bar 4		
10	Adjustment bar 5		
11	Torque wrench		34B35154

Table 3-2 Service Kits (Sold separately) (Cont'd)

(Units: mm)

No.	Name	Configuration	Drawing No.
12	Frequency Response Compensation Software		34Y100834
13	Carrying case		33B24396

### 3.4 Equipment Required for Troubleshooting and Repair

Table 3-3 describes the list of equipment required for troubleshooting and repair.

**Table 3-3 Equipment Required for Troubleshooting and Repair**

Instrument (Anritsu)	Required Performance Characteristics
Frequency counter (MF1603A)	10 Hz to 2.08 GHz
Spectrum analyzer (MS612A)	100 kHz to 2.08 GHz
AC/DC voltmeter	AC: 250 V, DC: – 30 to +50V
Oscilloscope	Up to 200 MHz
Power meter (ML4803A, MA4601A)	100 kHz to 2.08 GHz – 20 to +20 dBm
Modulation analyzer (MS616B)	100 kHz to 2.08 GHz AM90%, FM200 kHz
AF oscillator	10 Hz to 100 kHz 2 V <sub>p-p</sub> /600 $\Omega$

### 3.5 Circuit References

All PC boards for the MG3631A/MG3632A have a code starting with "A" followed by a number.

Table 3-4 lists PC-board names with their A code.

**Table 3-4 Circuit Names and Reference**

Schematic No.	"A" No.	Name	Circuit diagram No.	Parts list No.	PC board No.
<b>1</b>		MG3631A/MG3632A	33W32409	34W99290	—
<b>2</b>	A1	PANEL UNIT	33W32410	34W99291	—
<b>3</b>	A1-A1	PANEL1	33W32411	34W99292	322U11634a
<b>4</b>	A1-A2	PANEL2	33W32412	34W99293	322U11634b
<b>5</b>	A2	SG UNIT	33W32415	34W99296	—
<b>6</b>	A2-A1	BUFFER	33W32416	34W99297	322U11638
<b>7</b>	A2-A2	REFERENCE	33W32417	34W99298	322U11642a
<b>8</b>	A2-A3	FM-VCO	33W32418	34W99299	322U11642b
<b>9</b>	A2-A4	LF SYNTH	33W32419	34W99300	332U32490
<b>10</b>	A2-A5	20 MHz STEP	33W32420	34W99301	322U11640
<b>11</b>	A2-A6	MAIN LOOP	33W32421	34W99302	322U11642c
<b>12</b>	A2-A7	OUTPUT	33W32422	34W99303	322U11644
<b>13</b>	A2-A10	ATT DRIVE	33W32426	34W99307	332U32492
<b>14</b>	A2-A12	MODULATION	33W32428	34W99309	322U11648
<b>15</b>	A2-A13	POWER SUPPLY	33W32429	34W99310	332U32494

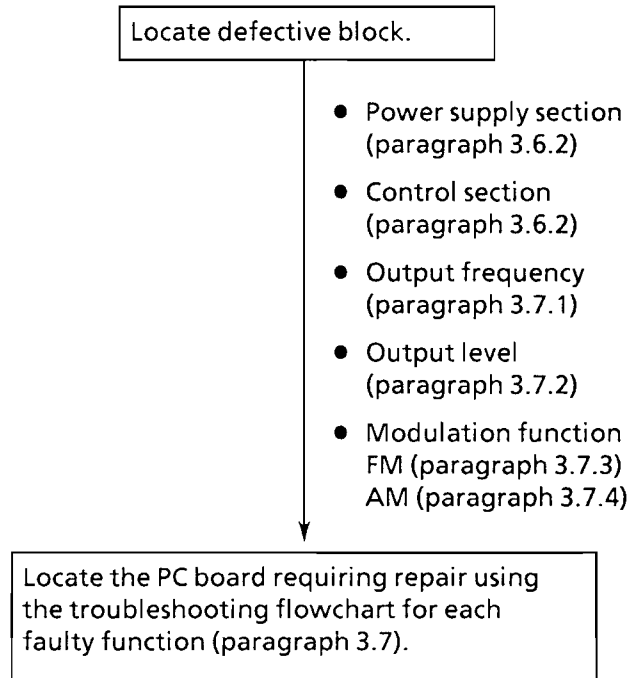
**Table 3-4 Circuit Names and Reference (Continued)**

Schematic No.	"A" No.	Name	Circuit diagram No.	Parts list No.	PC board No.
<b>16</b>	A2-A14	CPU	33W32430	34W99612	322U11646a
<b>17</b>	A2-A15	INTERFACE	33W32431	34W99613	322U11646b
<b>18</b>	A3	(OPT 01)	33W32501	34W99502	———
		STD UNIT (OPT 02)		34W99503	
		(OPT 03)		34W99504	
<b>19</b>	A3-A1	STD POWER (OPT 01 to 03)	33W32502	34W99505	342U99750
<b>20</b>	A2-A12-A1	AF OSC (OPT 04)	33W28823	34W91051	342U91274

### 3.6 Overall Troubleshooting

#### 3.6.1 Outline of troubleshooting procedure

Figure 3-5 outlines the troubleshooting procedure.



**Fig. 3-5 Outline of Repair Procedure**

### 3.6.2 Locating the defective block

Use Fig. 3-6 to find the faulty block (power supply, control, etc.).

When using the flowchart in Fig. 3-6, note that if a block operates abnormally, then all subsequent blocks will also operate abnormally.

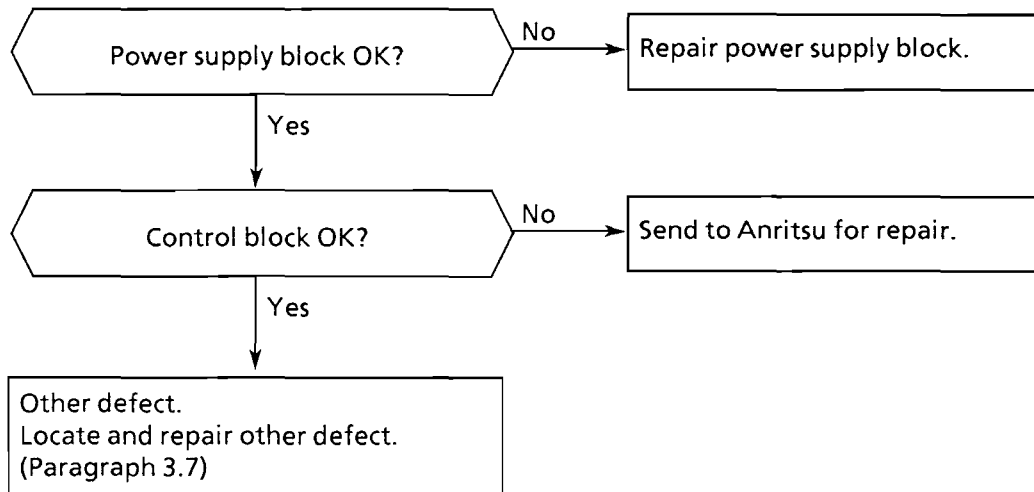


Fig. 3-6 Flowchart for Locating Defective Block

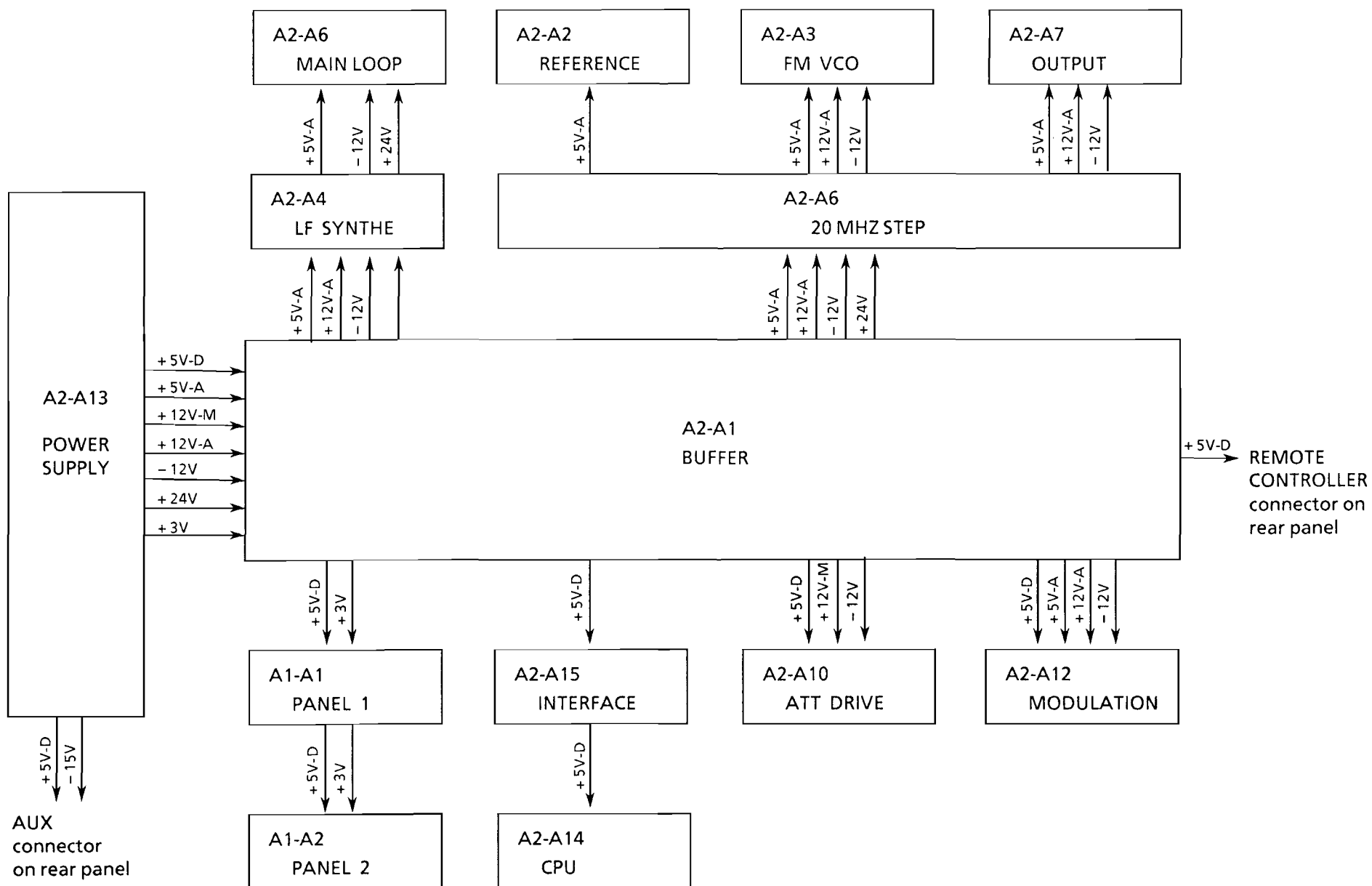


### **(1) Checking DC power supply**

The DC power supplies used by the instrument are generated by A2-A13 POWER SUPPLY. The supply routes to each PC board are shown in Fig. 3-7. There are eight DC power supplies: +5 V-D, +5 V-A, +3 V, +12 V-M, +12 V-A, -15 V, -12 V, and +24 V.

When a fault is diagnosed in A2-A13 POWER SUPPLY; first, check whether or not the DC fuses are normal. Then, remove W1 and W12 from A2-A13-J2 and A2-A13-J4, respectively; and check that there is no short circuits between each power-supply line of A2-A13-E1 to E8 and the chassis ground.

After having confirmed that the output voltages of A2-A13-E1 to E8 are normal, reconnect W1 and W12 to A2-A13-J2 and A2-A13-J4, respectively; and then confirm that normal DC voltages are supplied to each section.



## **(2) Checking control section**

The control section check is performed by the panel LED check and the panel status check at initial setting, described below.

If there is a fault in the control section, repair cannot be performed easily because a detailed check of the CPU data is required. Please return the instrument to Anritsu for repair.

### **(a) LED check**

All the panel LEDs except the STBY LED light for about 3 seconds by the following key operation.

Key operation: [SHIFT] [0] [2] [0] [1]

### **(b) Initial-state check**

The MG3631A/MG3632A is set in an initial state by the following key operation.

Key operation: [SHIFT] [0] [0] [0] [0]

Figure 3-8 shows the panel initial setting state.

**Note:** The panel memory contents are all erased when the above initialization is performed.

### 3.7 Overall Troubleshooting Flowchart **1**

This paragraph describes the methods for locating the faulty PC board by measuring the signals at the connectors and terminals when the external covers and the internal shielded-case covers have been removed from the MG3631A/MG3632A.

**Note:** In the flowcharts; it is assumed that A2-A13 POWER SUPPLY, A2-A14 CPU and A2-A15 INTERFACE are normal.

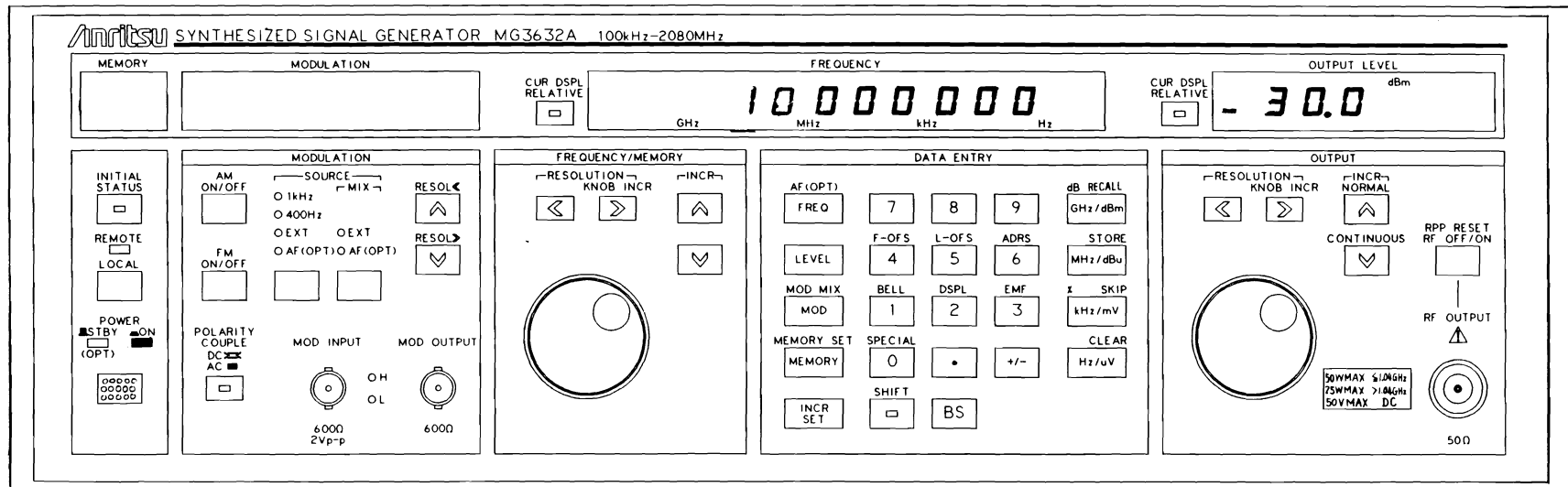


Fig. 3-8 Initial Setting Parameter

### 3.7.1 Output frequency troubleshooting

Use a frequency counter to verify that the frequency setting and output frequency are the same.

The MG3631A/MG3632A standard frequency must be matched to the counter frequency, as shown in Fig. 3-9, when measuring.

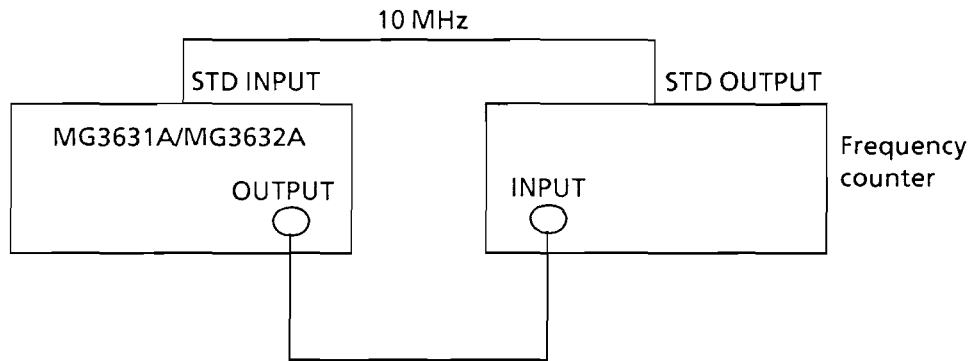


Fig. 3-9 Setup for Troubleshooting Output Frequencies

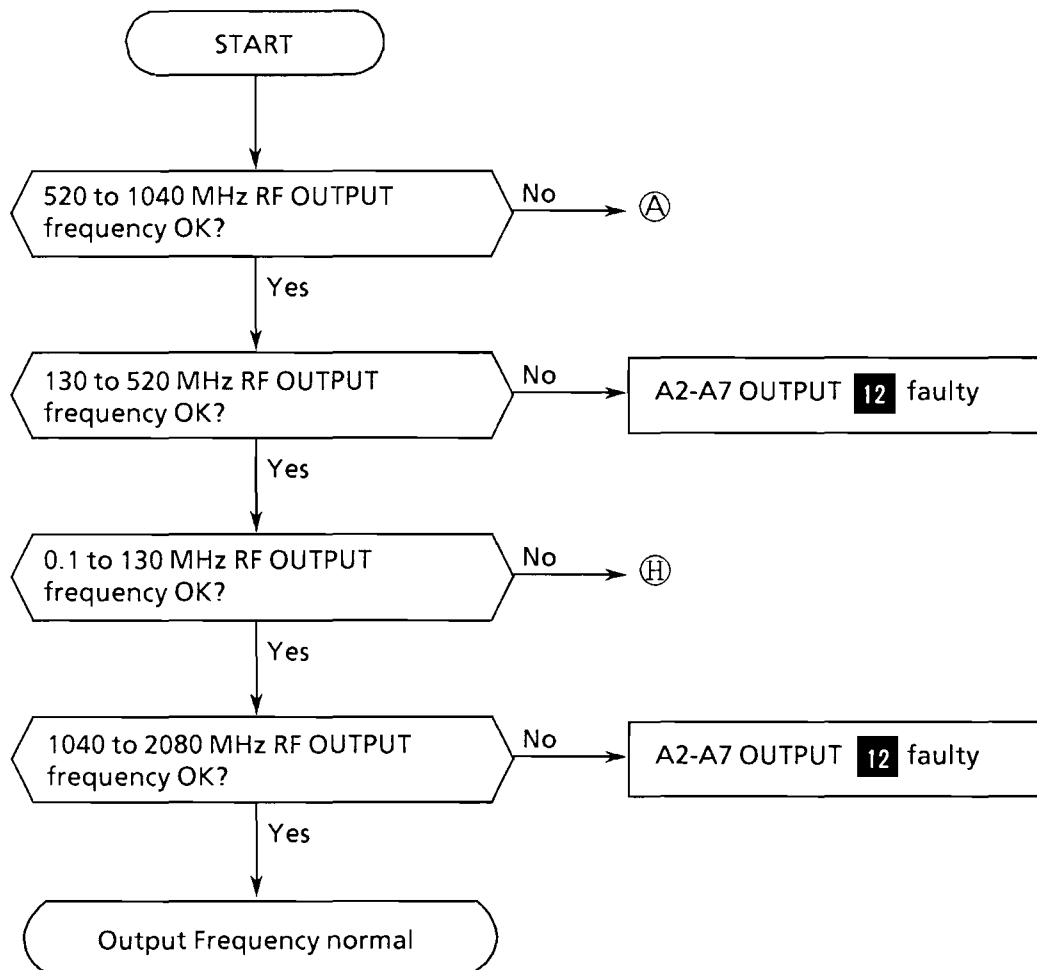


Fig. 3-10 Frequency Troubleshooting

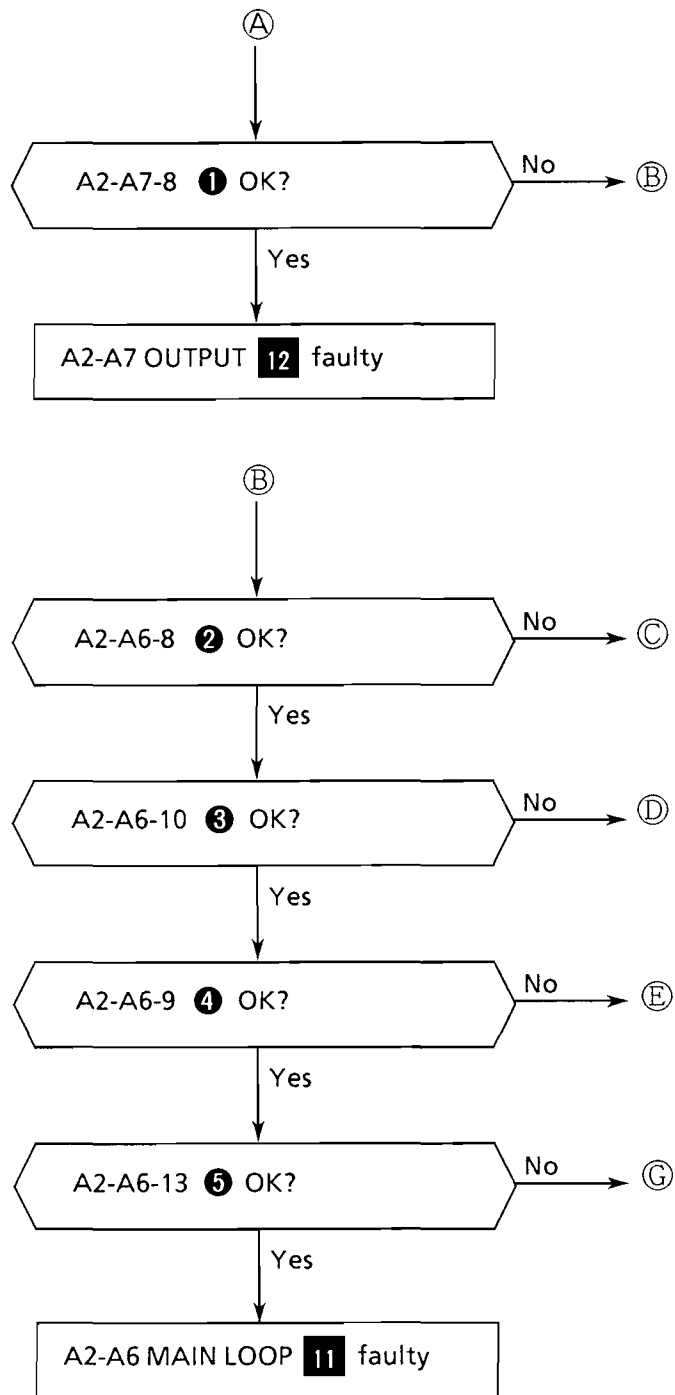


Fig. 3-10 Frequency Troubleshooting (Cont'd)



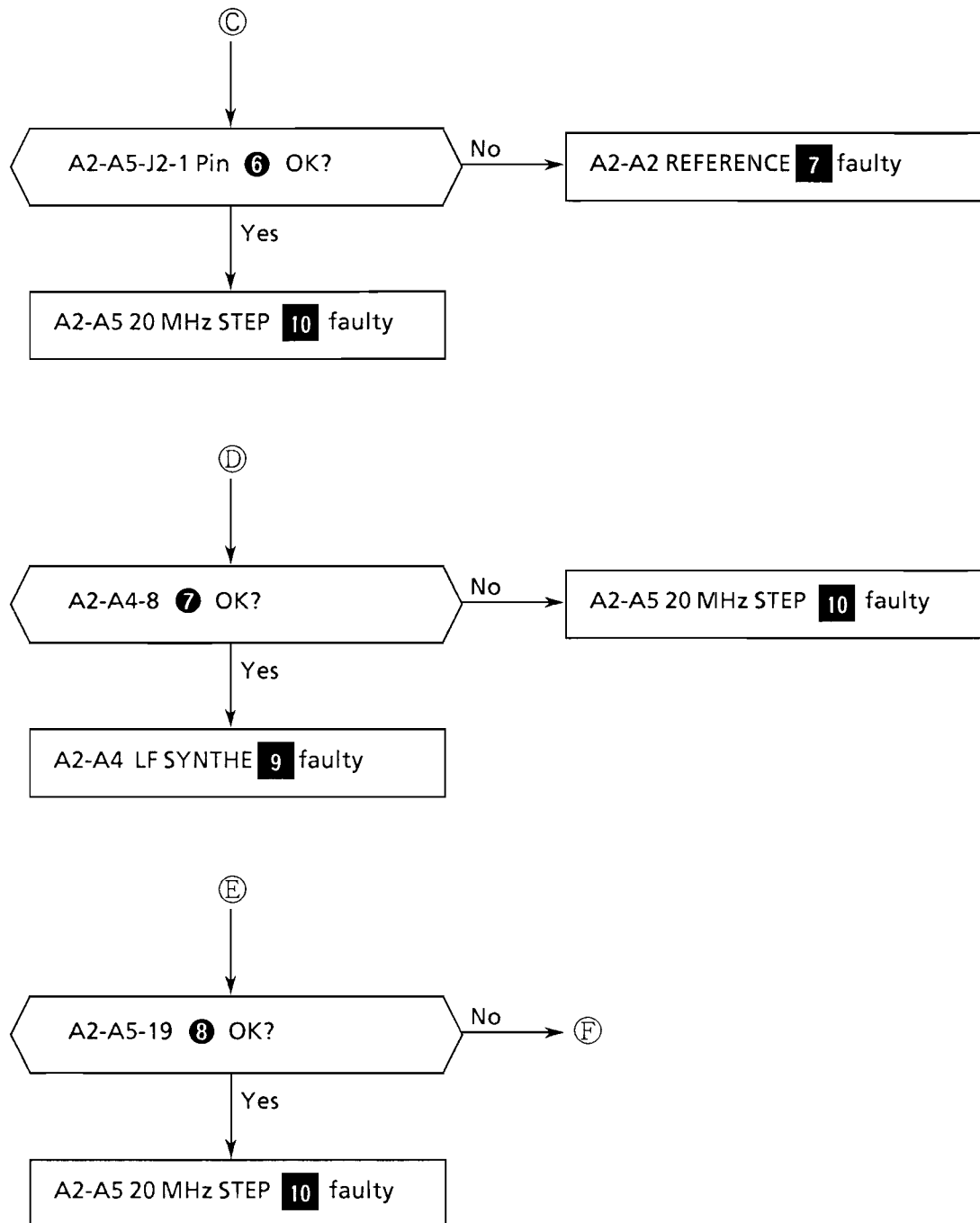


Fig. 3-10 Frequency Troubleshooting (Cont'd)

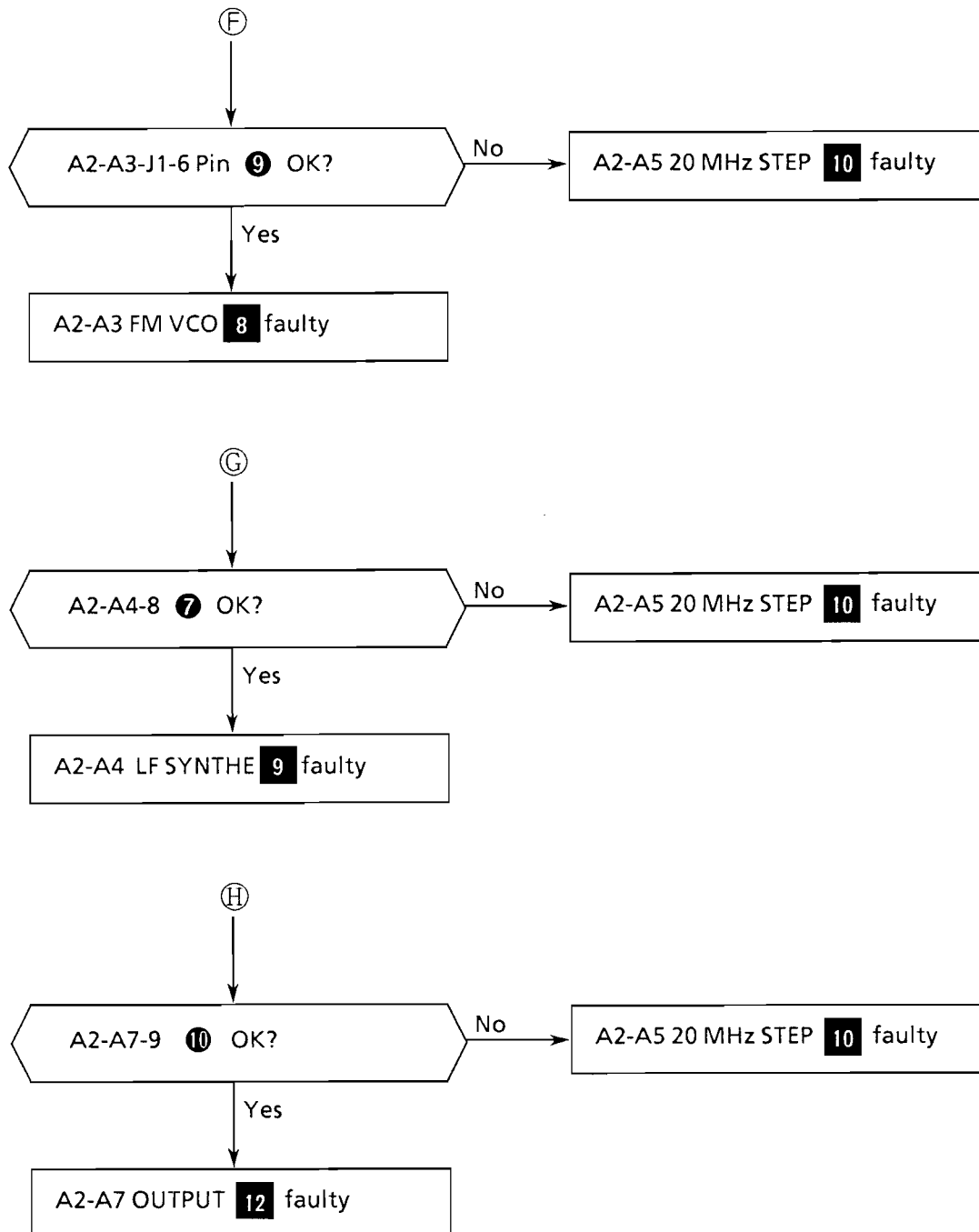
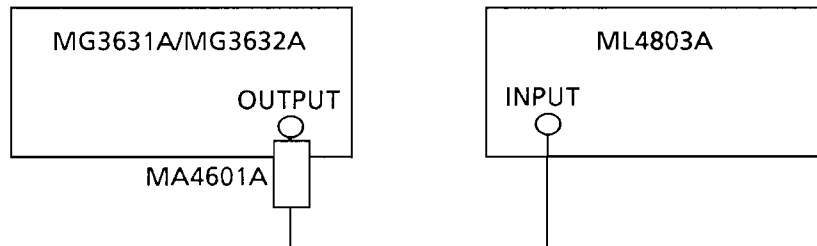


Fig. 3-10 Frequency Troubleshooting (Cont'd)

### 3.7.2 Output level troubleshooting

Use a power meter to verify the power meter setting and output level are the same.

The power meter should be used to calibrate the output level of each frequency to be measured.



**Fig. 3-11 Setup for Output Level Troubleshooting**

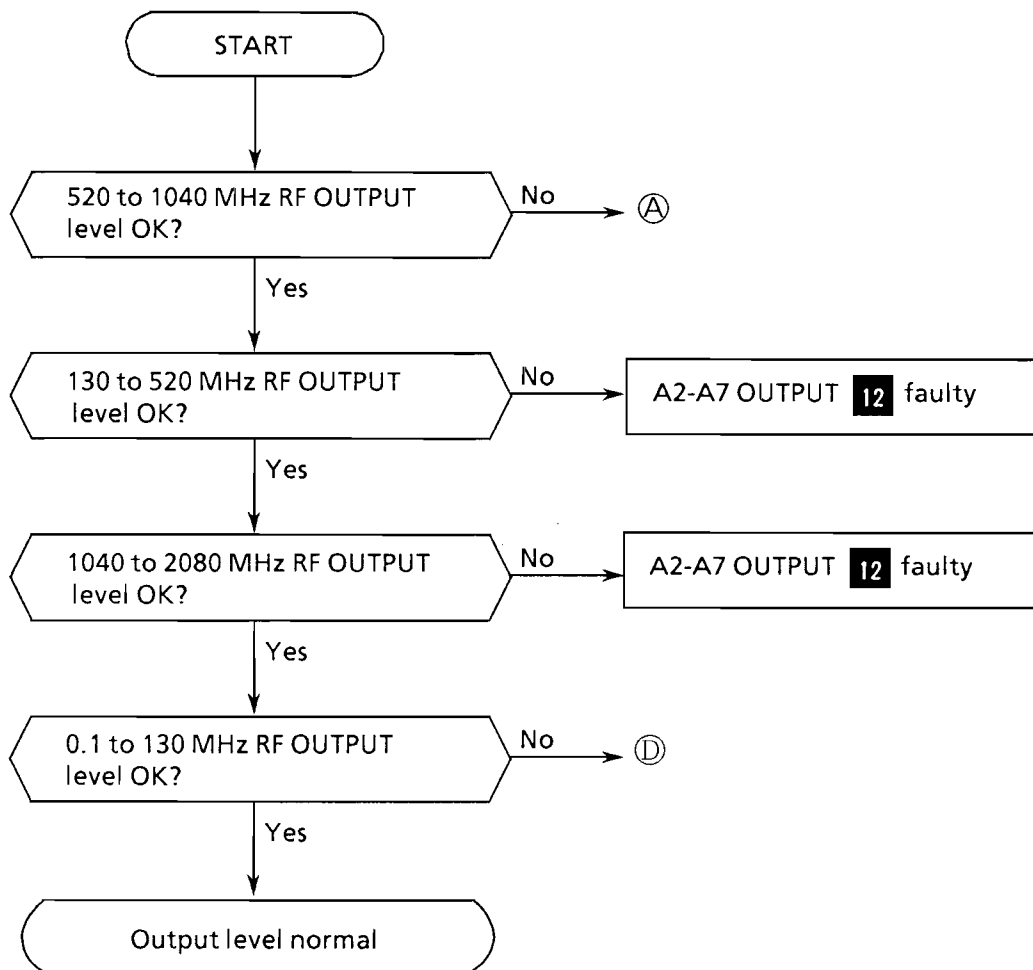


Fig. 3-12 Output Level Troubleshooting

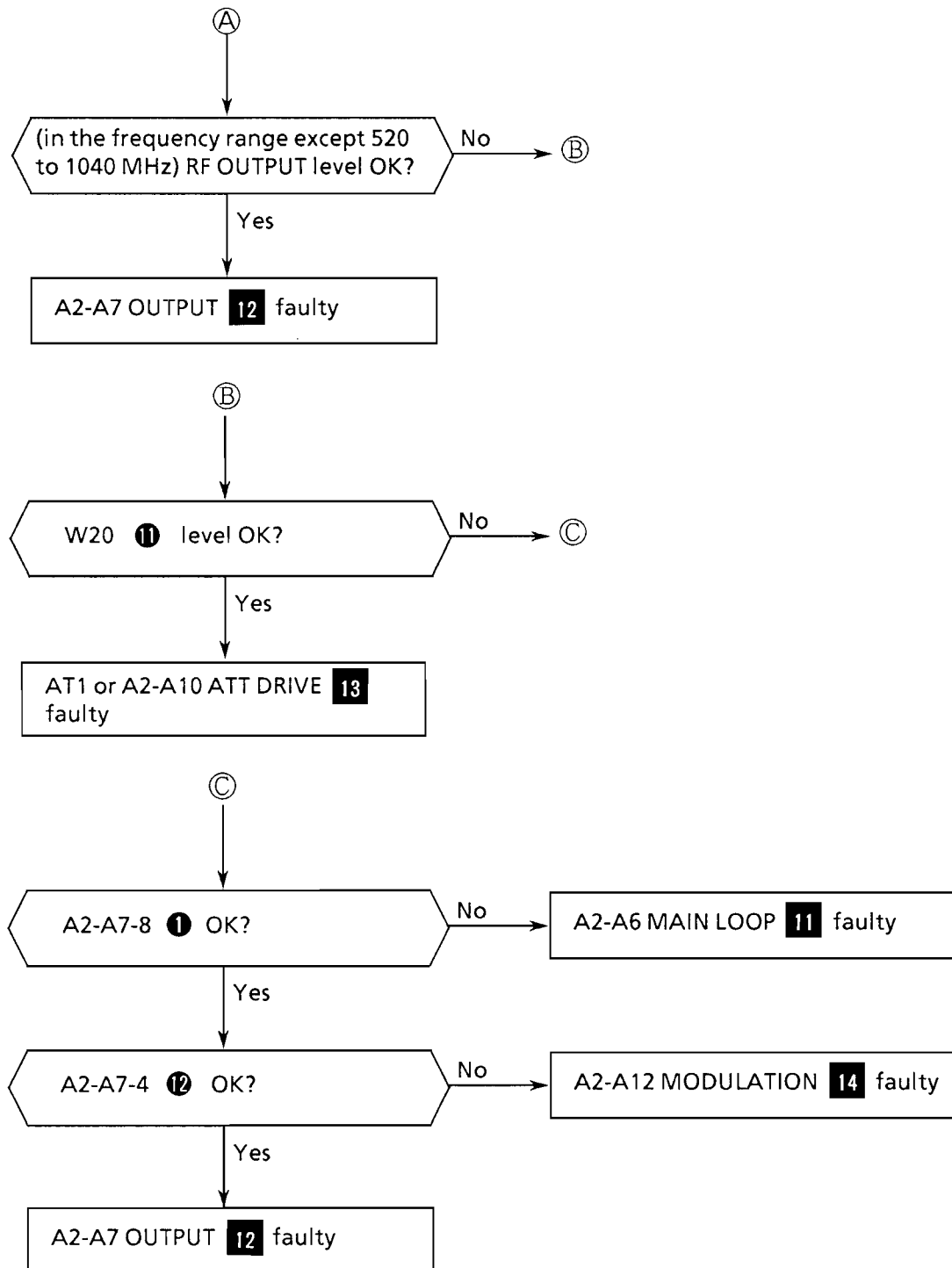


Fig. 3-12 Output Level Troubleshooting (Cont'd)

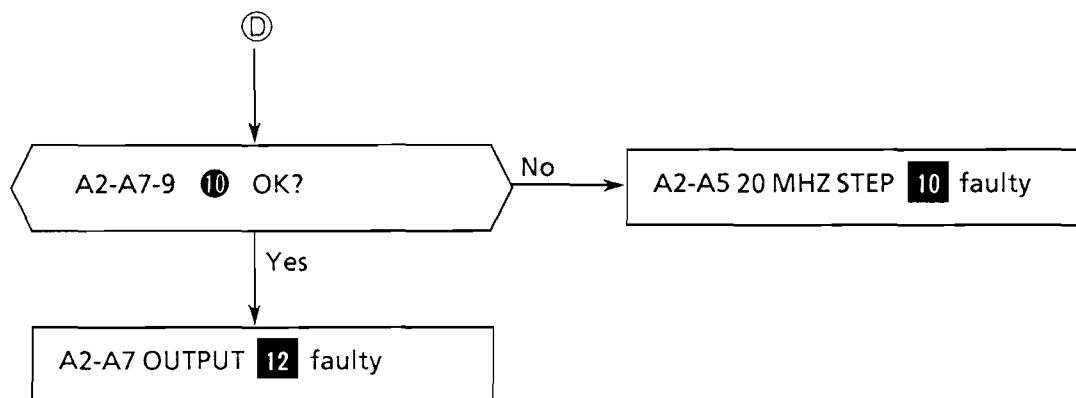


Fig. 3-12 Output Level Troubleshooting (Cont'd)

### 3.7.3 FM troubleshooting

Use a modulation analyzer to verify that the frequency deviation setting and the actual output frequency deviation are the same.

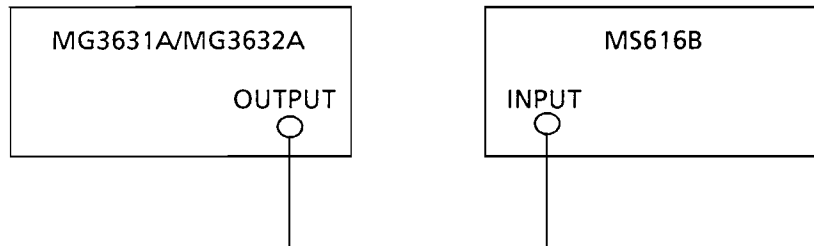
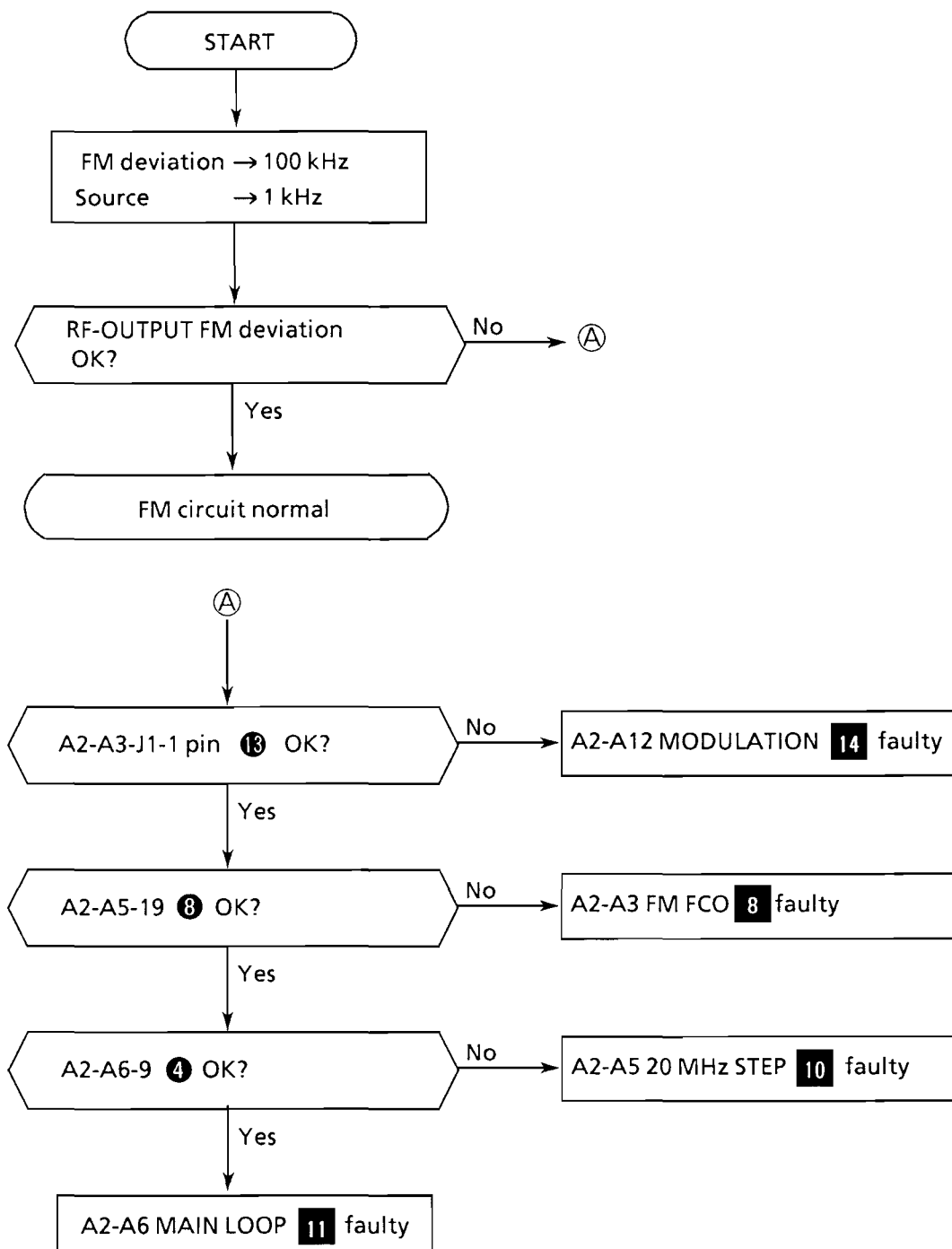


Fig. 3-13 Setup for FM Troubleshooting



**Fig. 3-14 FM Troubleshooting**



### 3.7.4 AM troubleshooting

Use a modulation analyzer to verify that the AM depth setting and the actual output AM depth are the same.

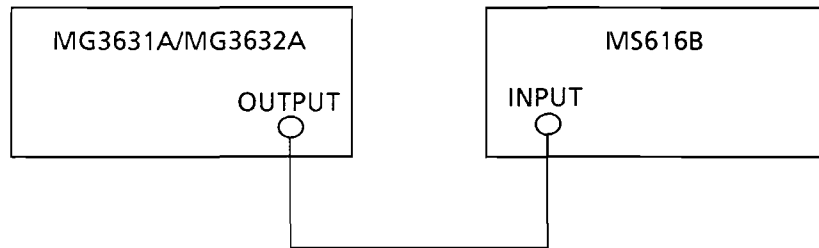
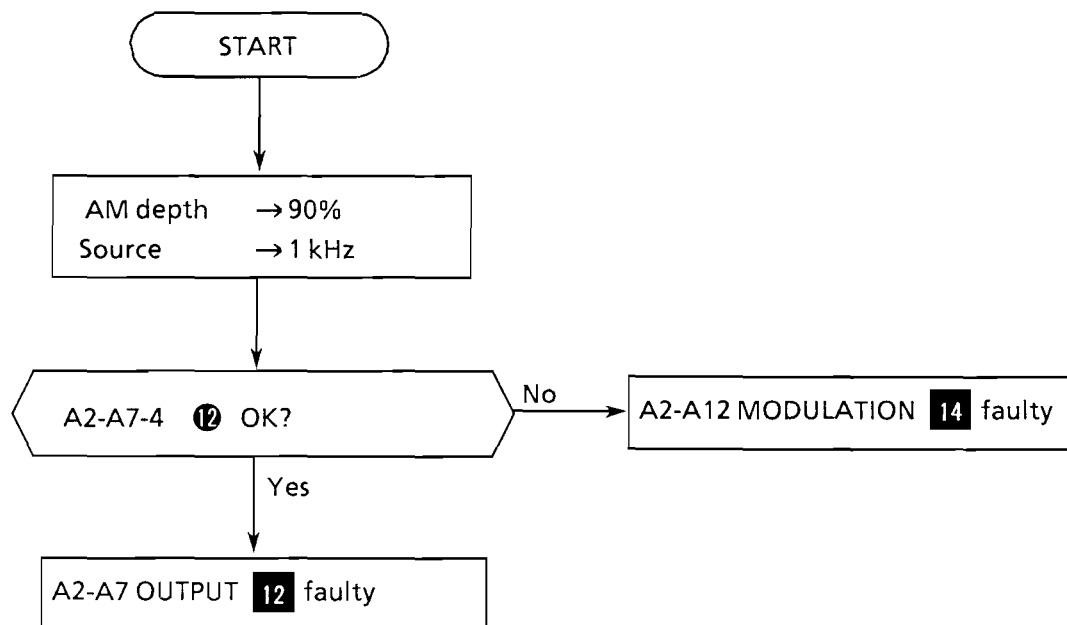


Fig. 3-15 Setup for AM Troubleshooting



**Fig. 3-16 AM Troubleshooting**

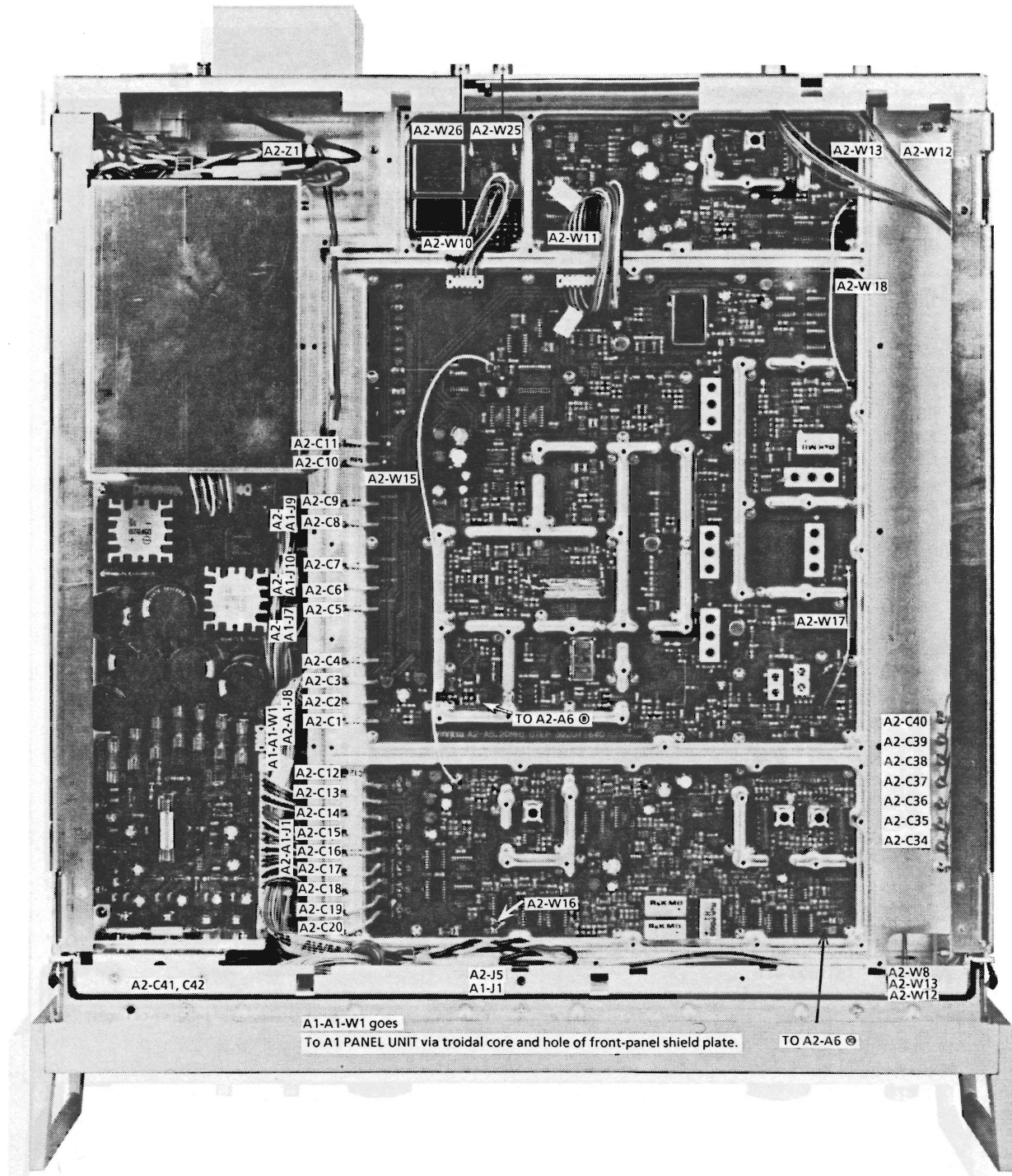


Fig. 3-17 PC-Board Allocation on Top Side of Housing (A2 SG UNIT)

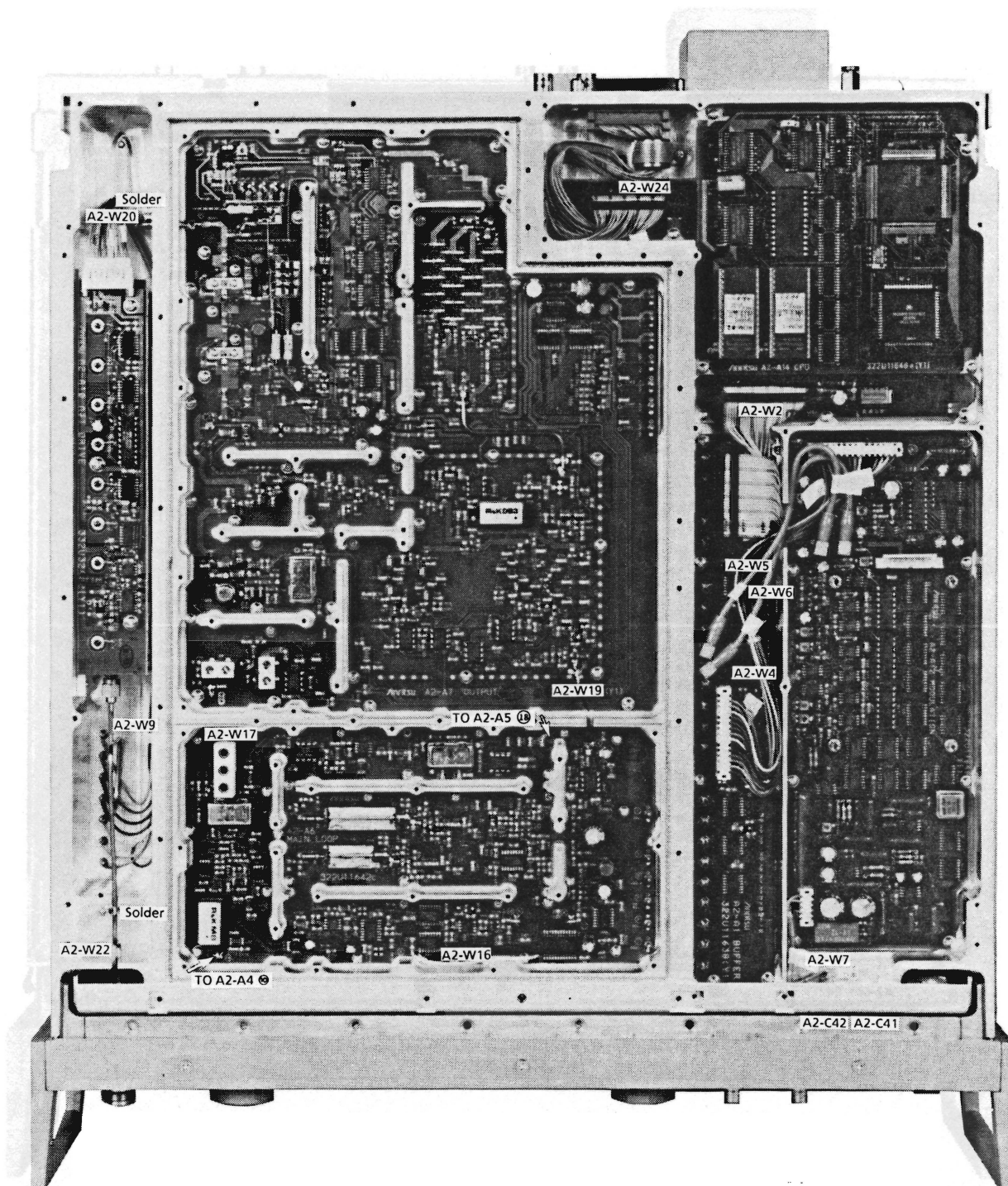


Fig. 3-18 PC-Board Allocation on Bottom Side of Housing  
(A2 SG UNIT)



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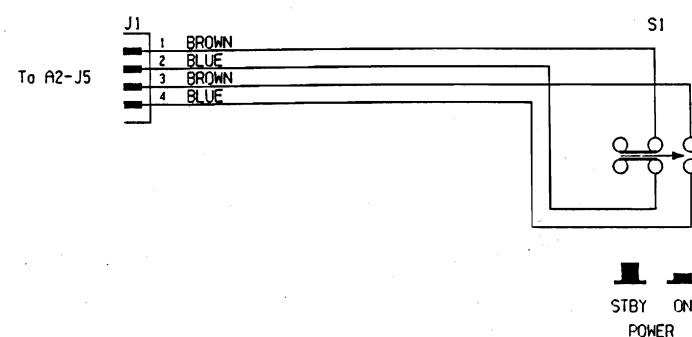
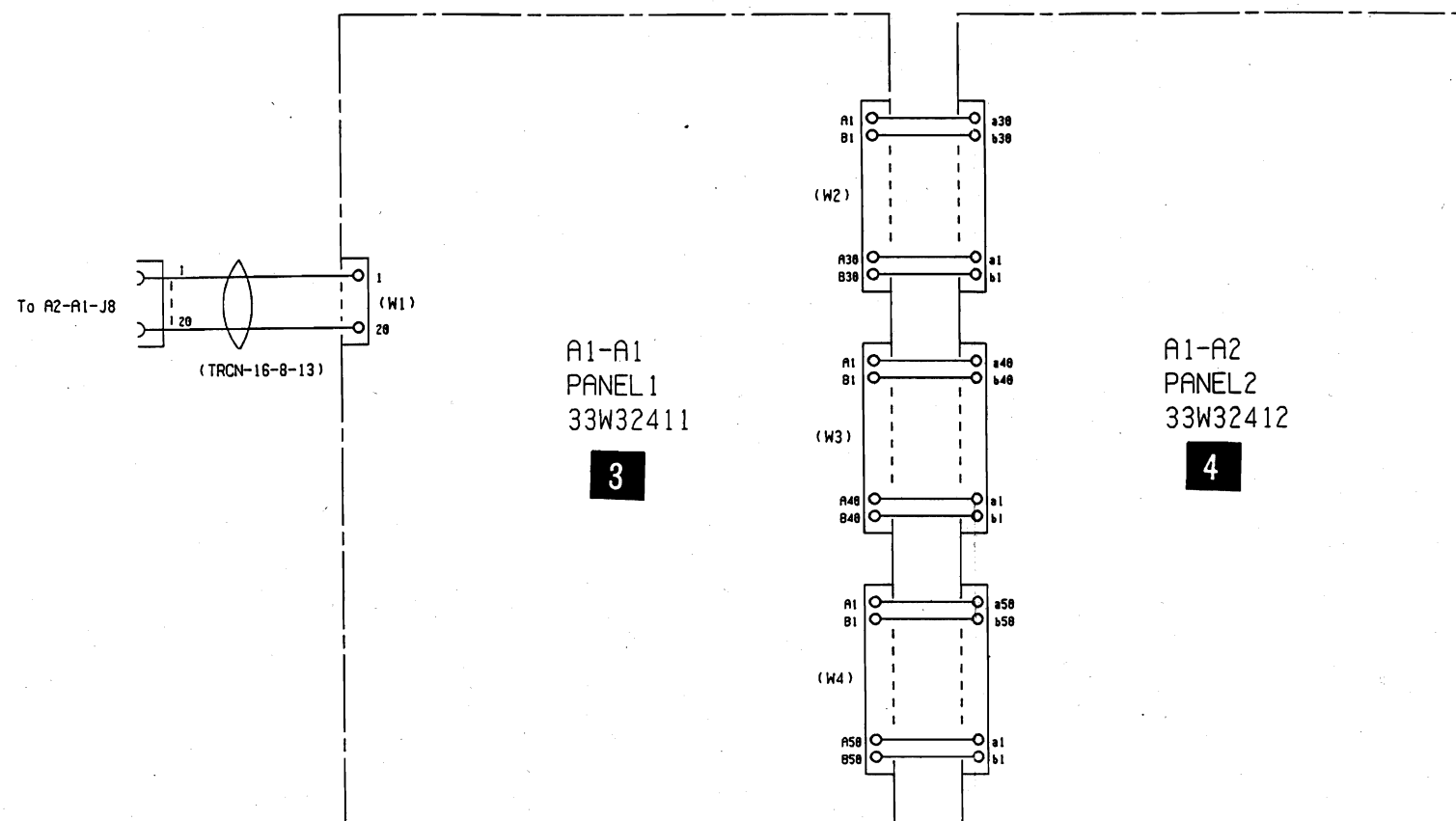
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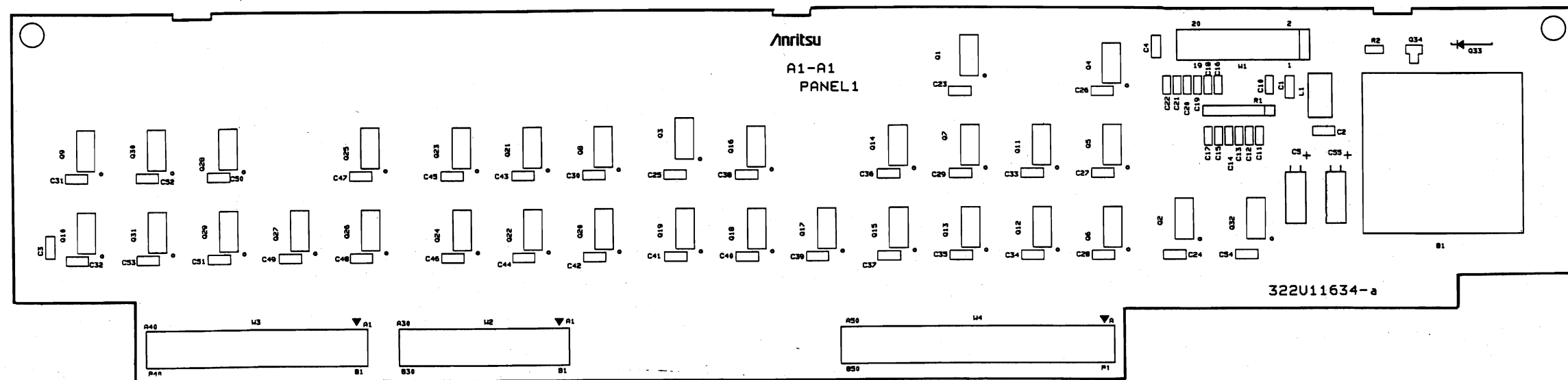
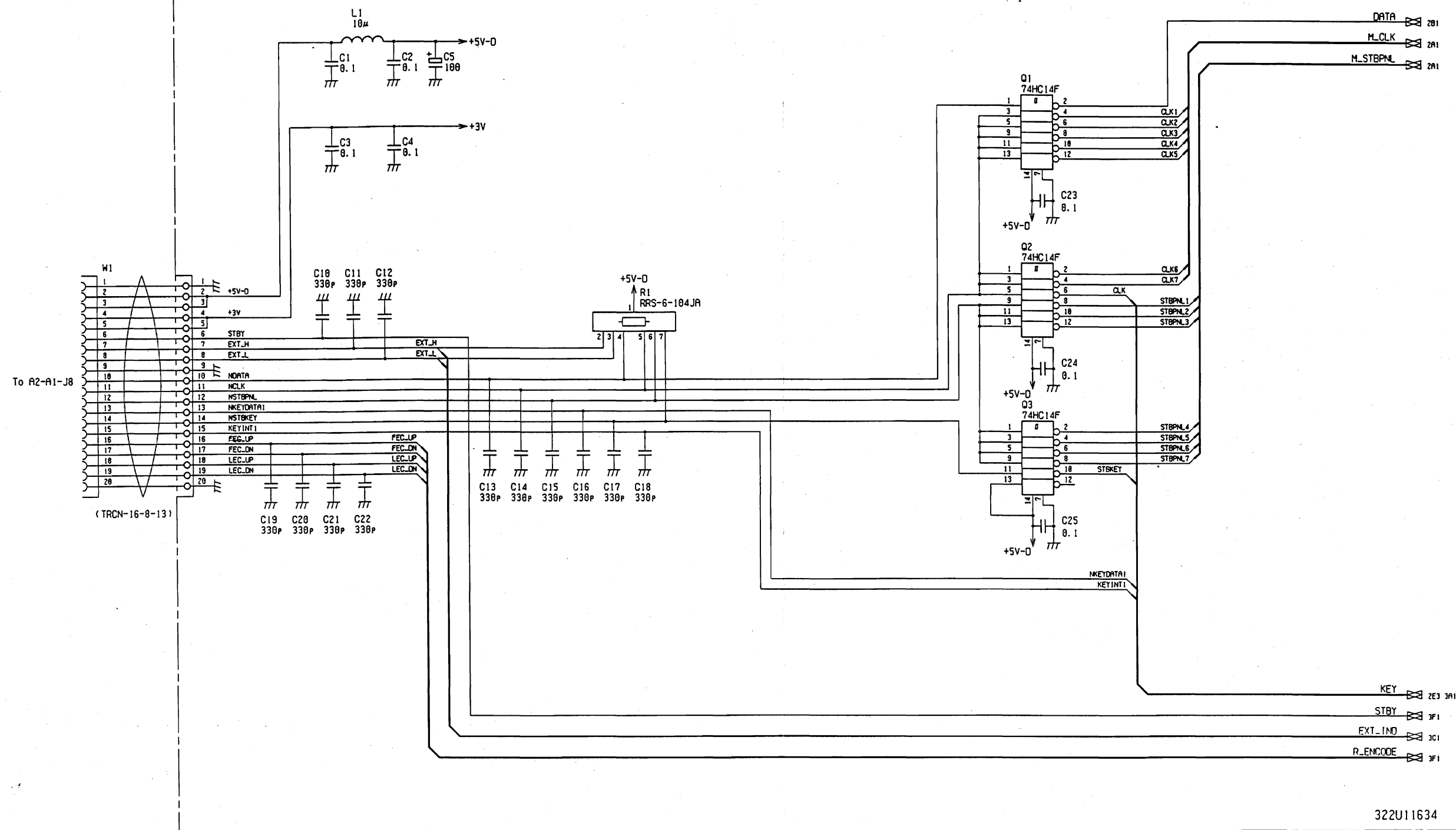


Fig. 3-19 A1-A1 PANEL 1 PC-Board Parts Layout 3

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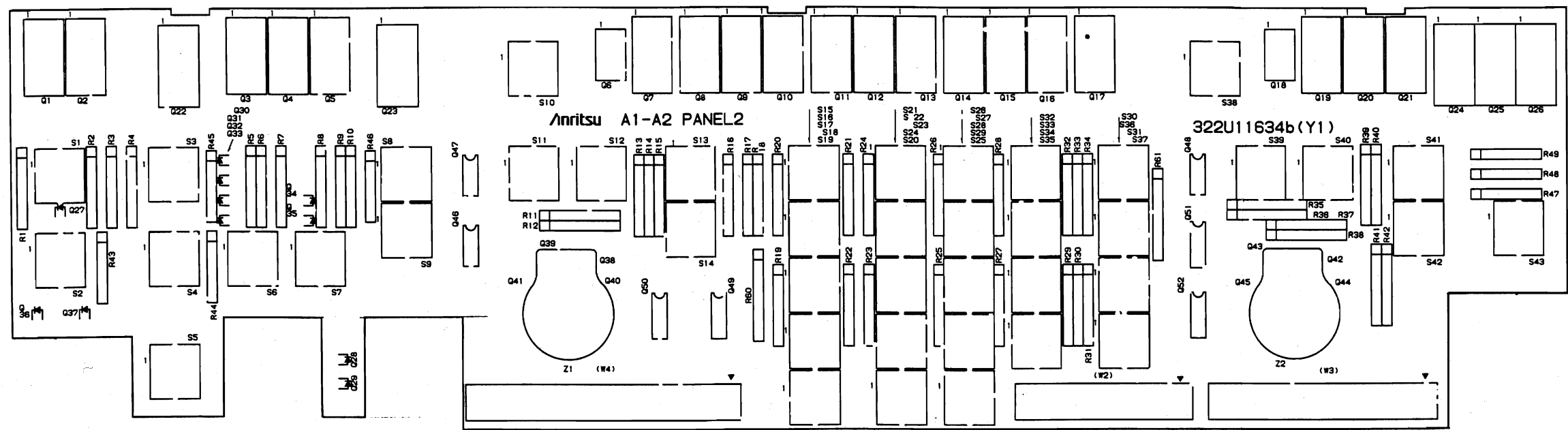


Fig. 3-20 (1/2) A1-A2 PANEL 2 PC-Board Parts Layout (Parts Side) 4

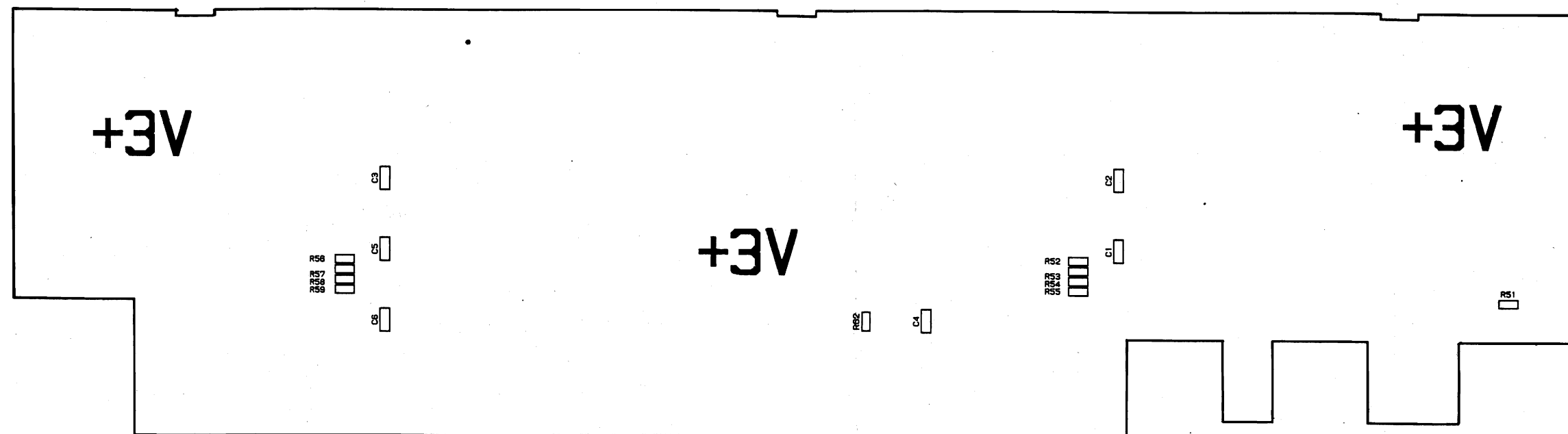
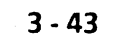


Fig. 3-20 (2/2) A1-A2 PANEL 2 PC-Board Parts Layout (Pattern Side)

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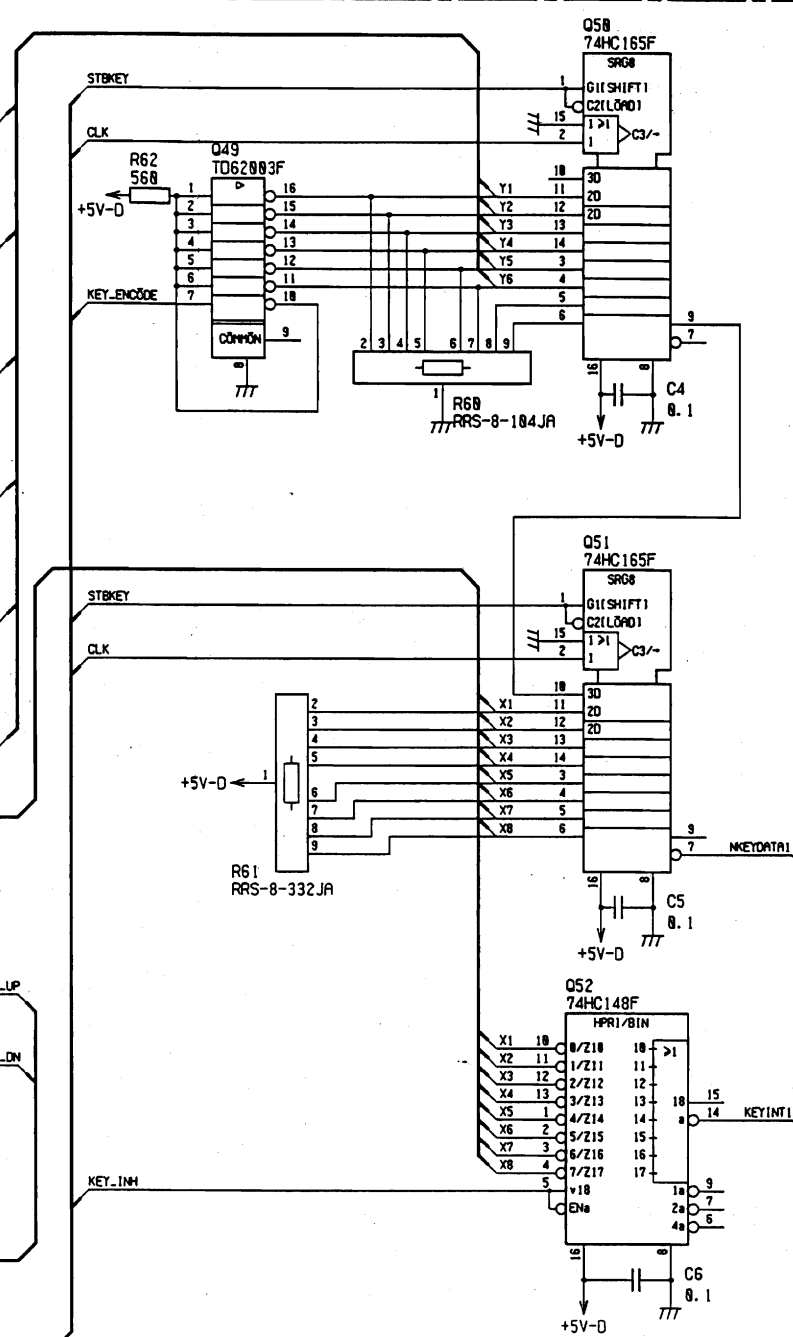
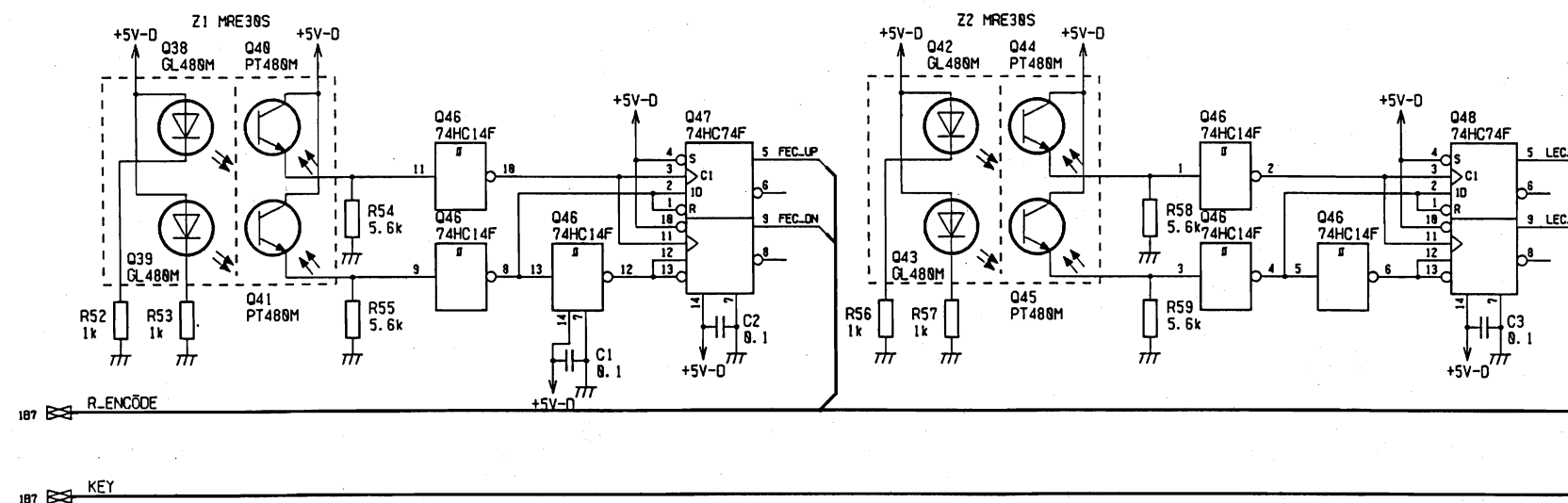
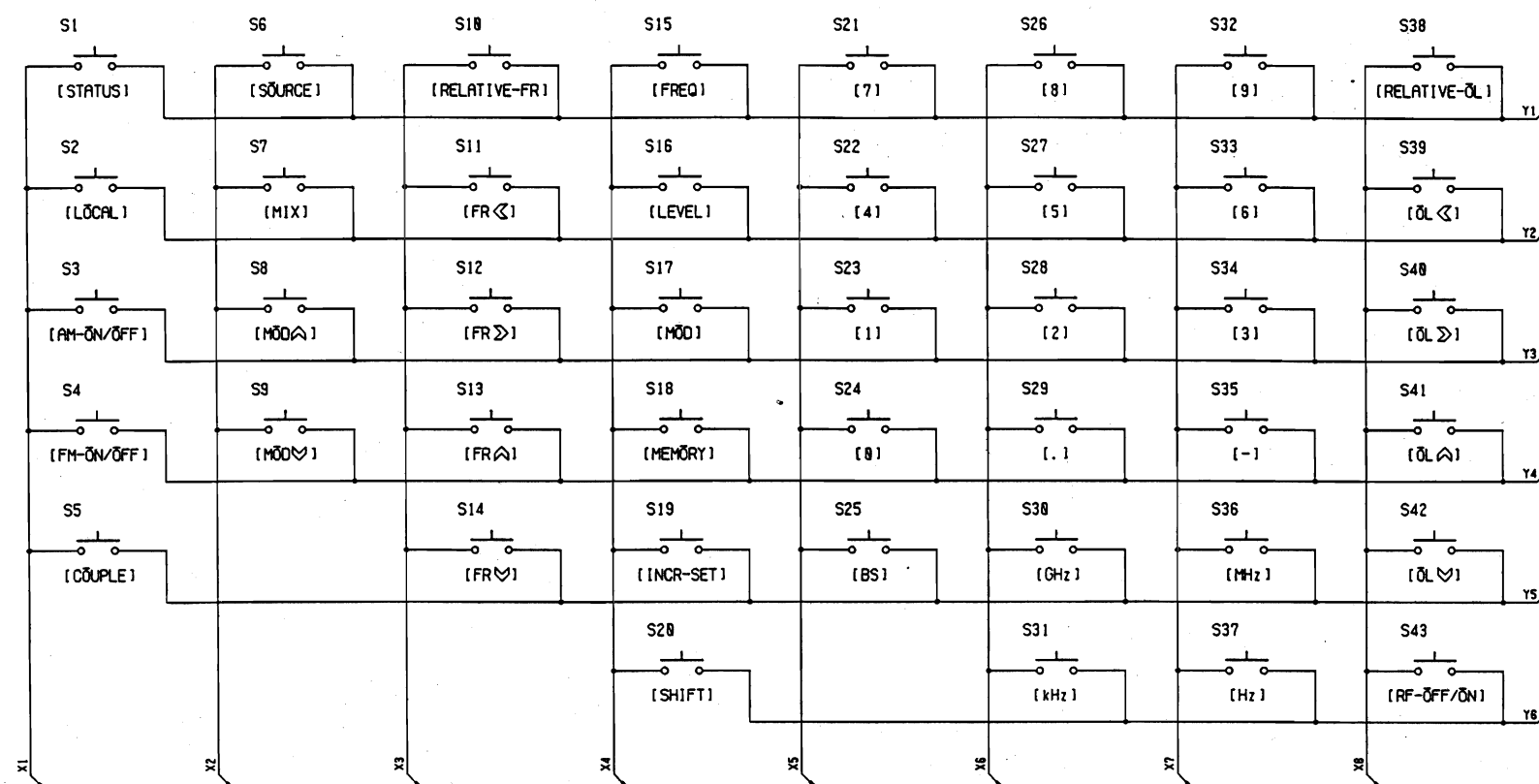
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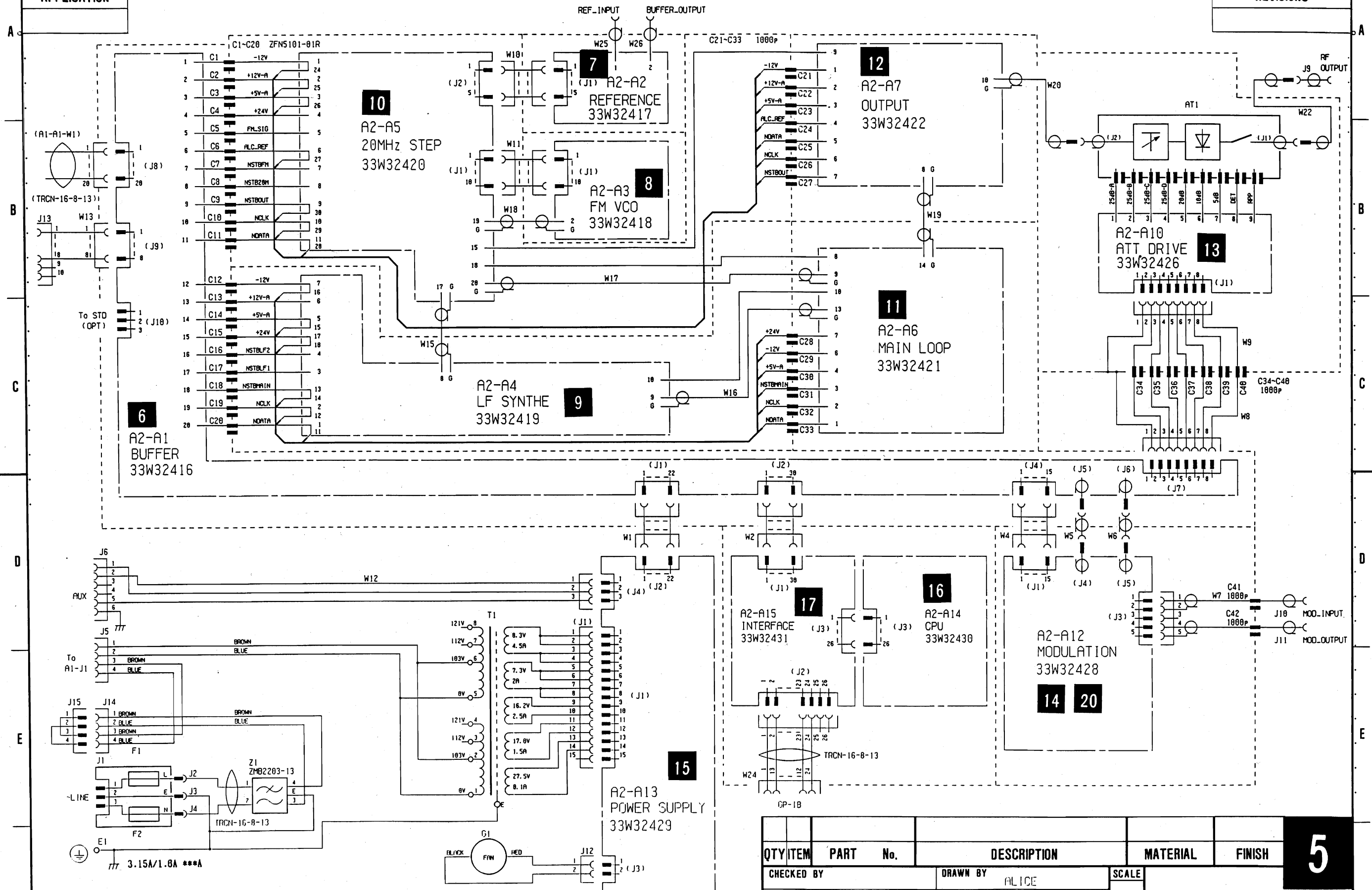
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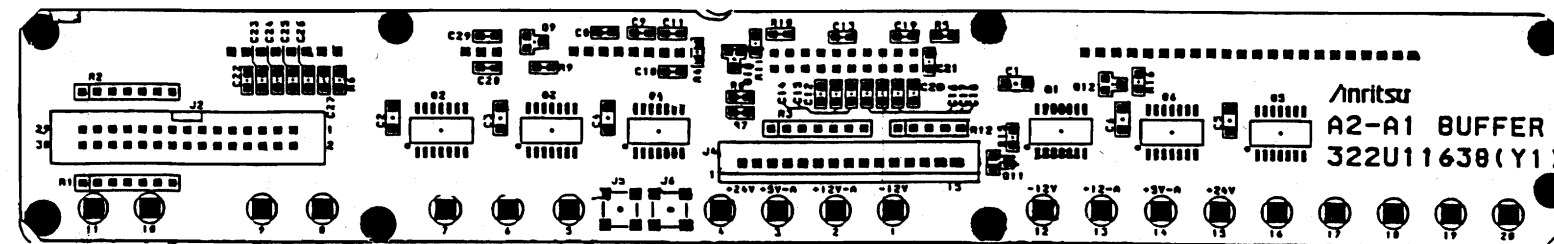


Fig. 3-21 A2-A1 BUFFER PC-Board Parts Layout



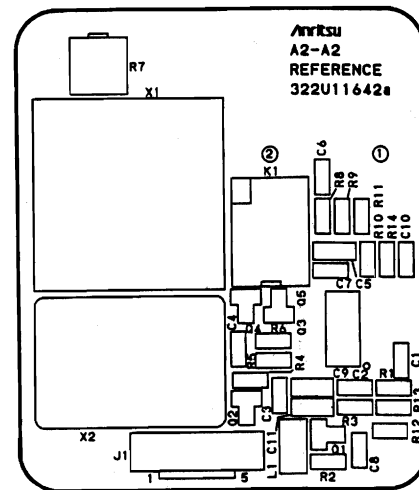
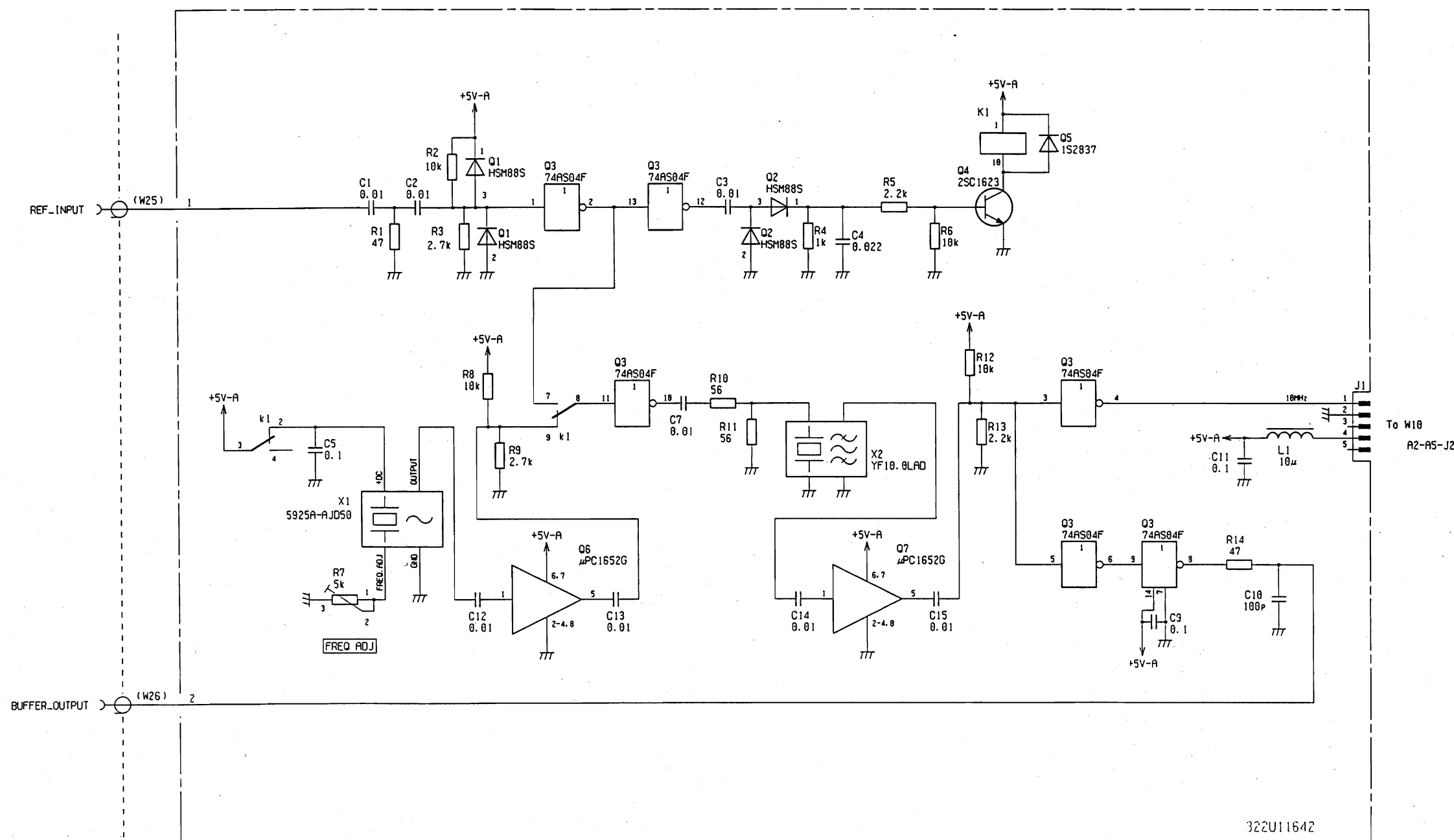


Fig. 3-22 A2-A2 REFERENCE PC-Boards Parts Layout 7



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APPROVED BY <i>M. Hashiguchi</i>			DESIGNED BY J. Kinase	:		
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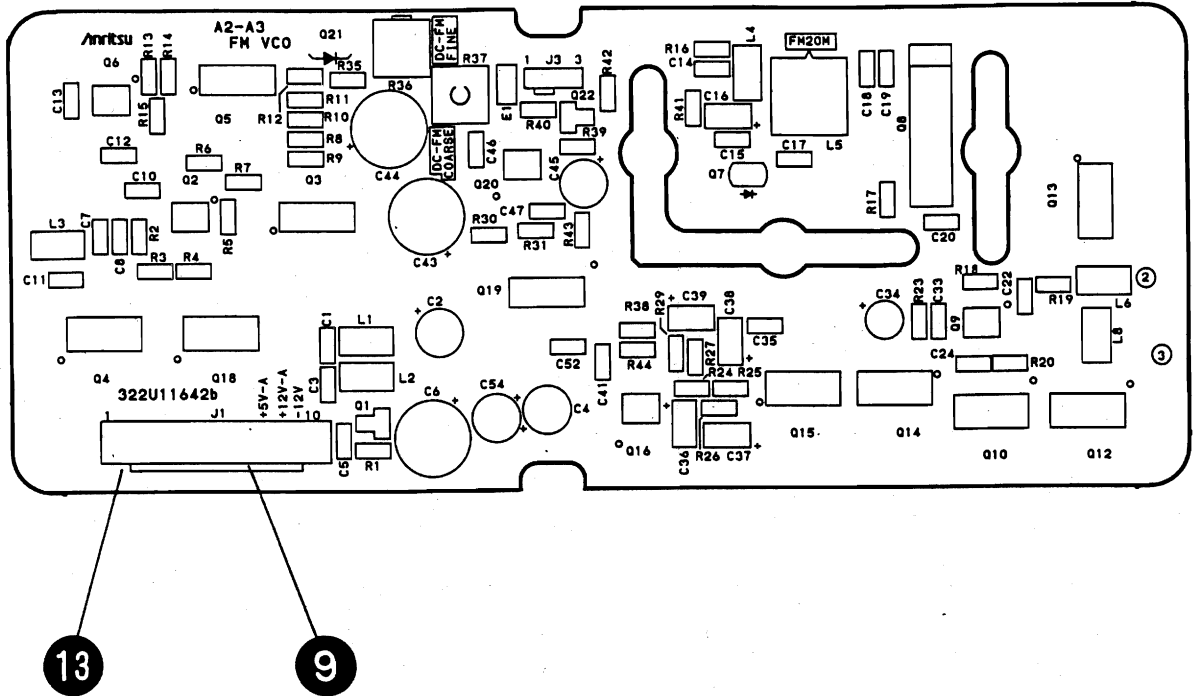


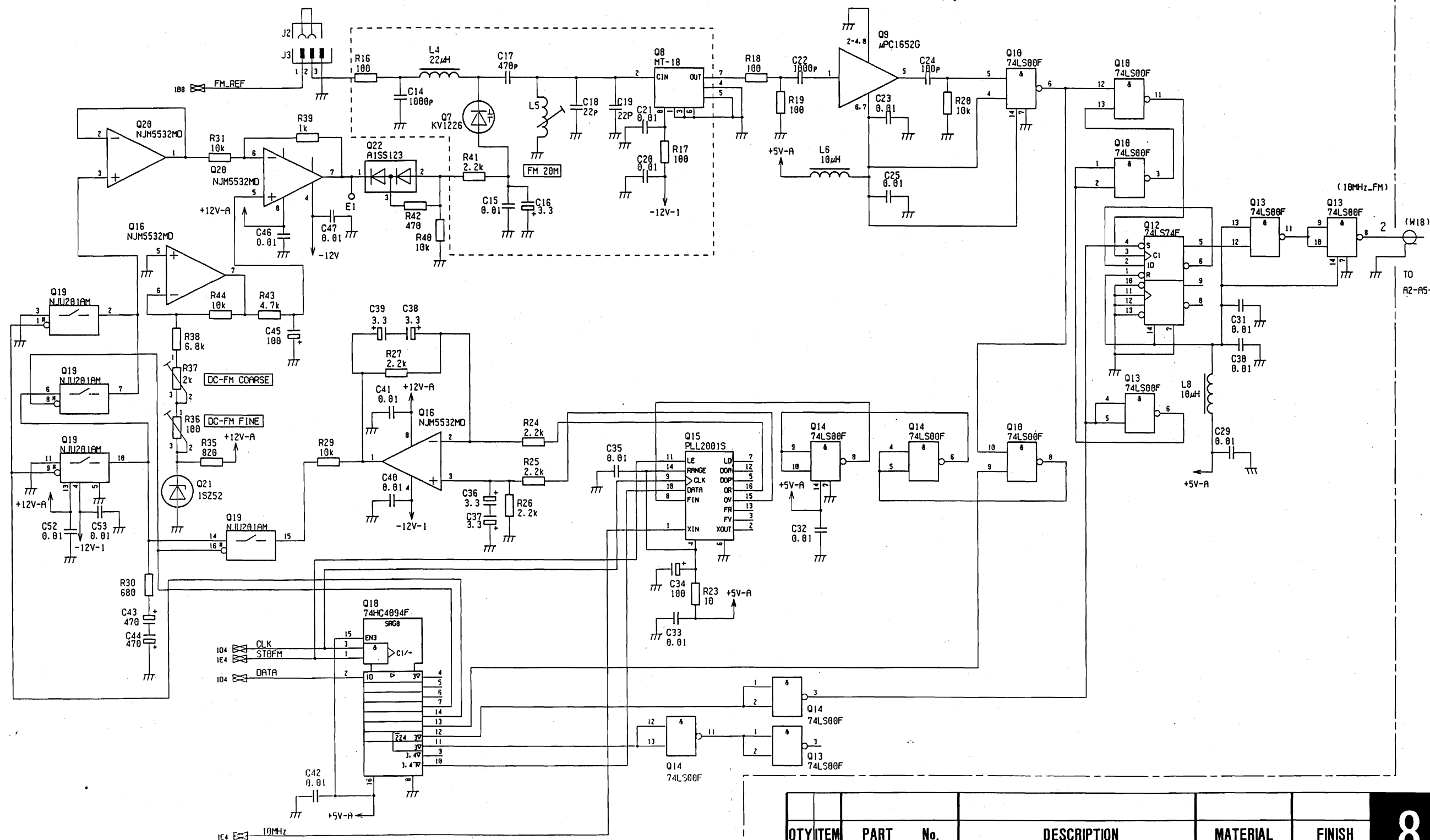
Fig. 3-23 A2-A3 FM VCO PC-Boards Parts Layout 8



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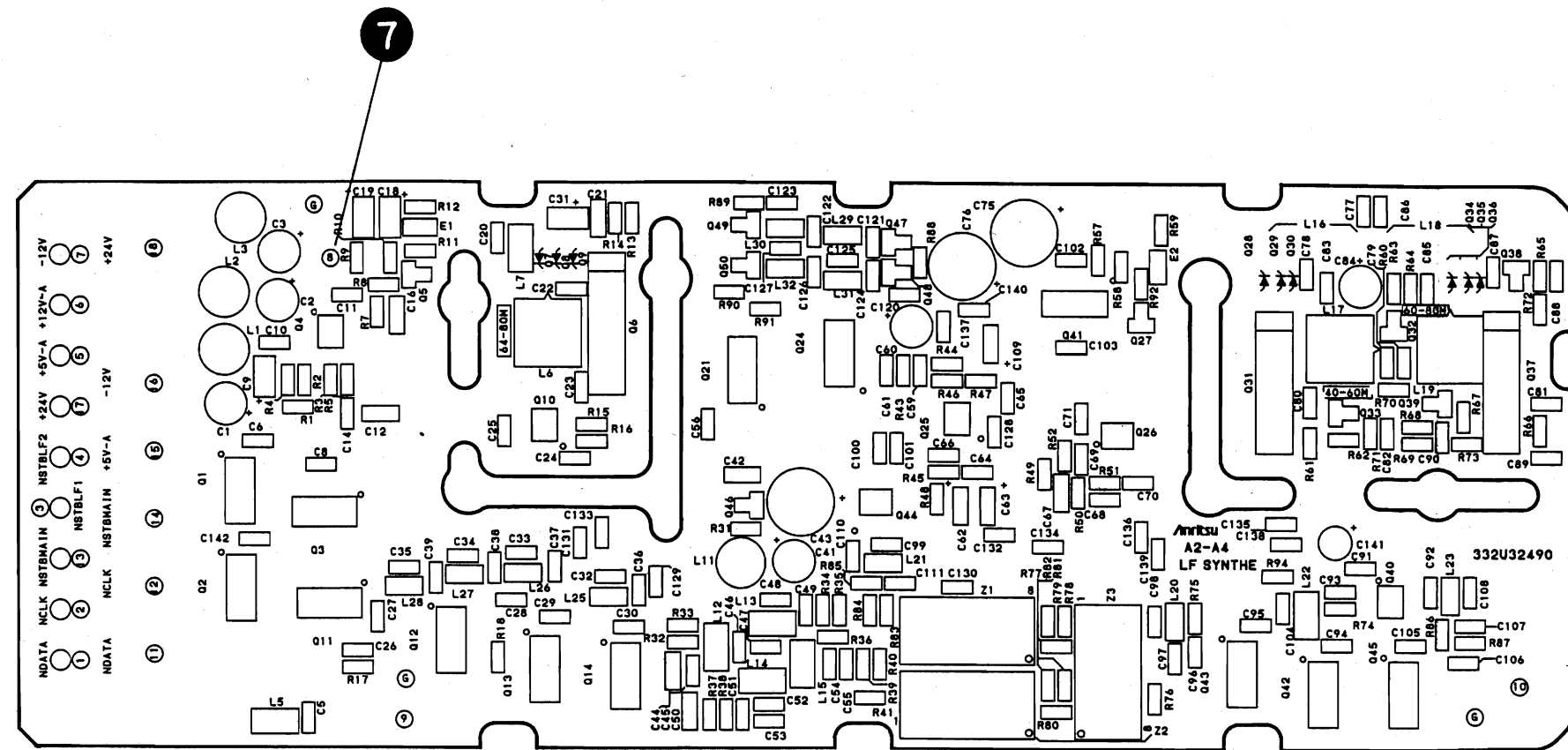


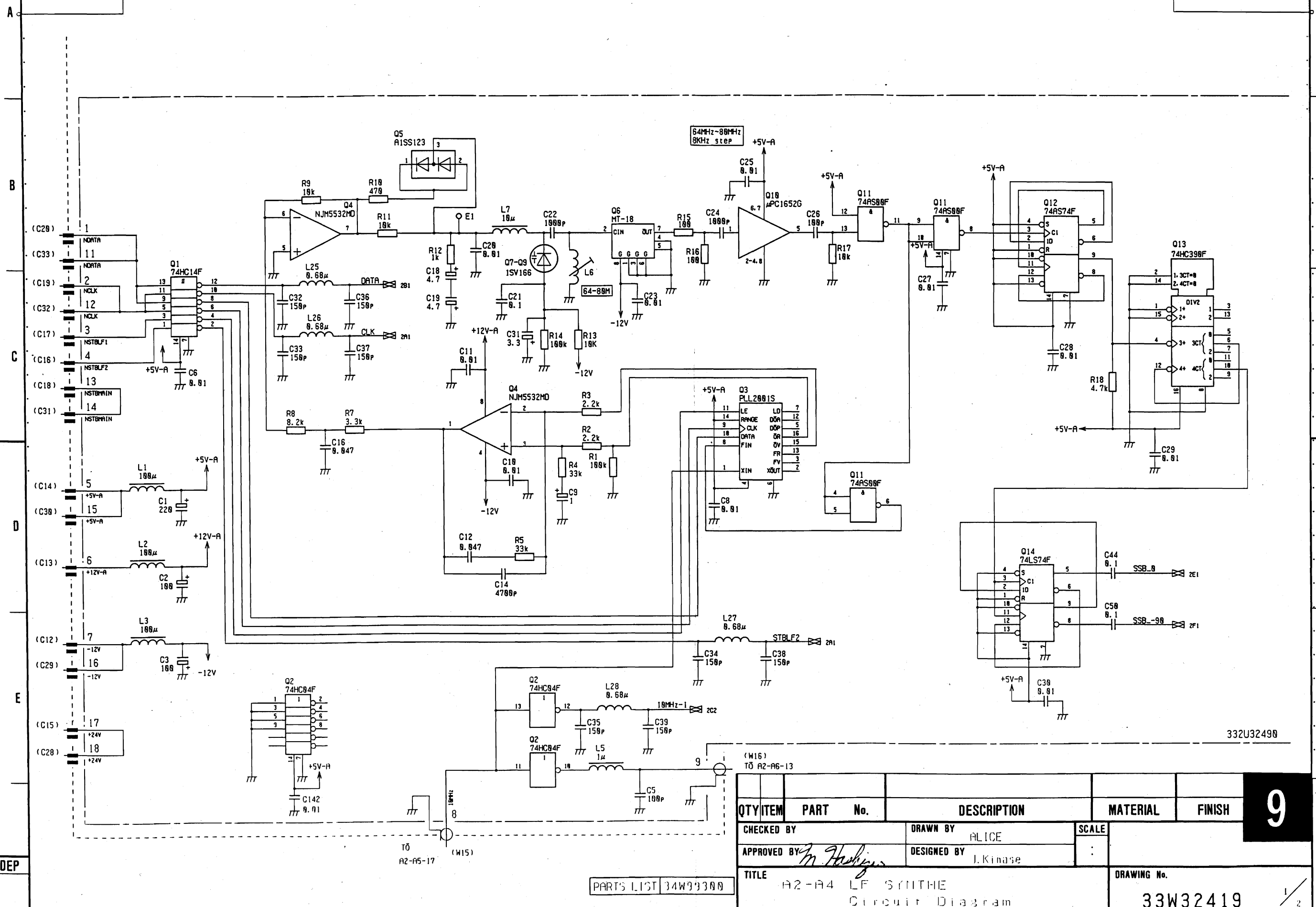
Fig. 3-24 A2-A4 LF SYNTH PC-Board Parts Layout 9

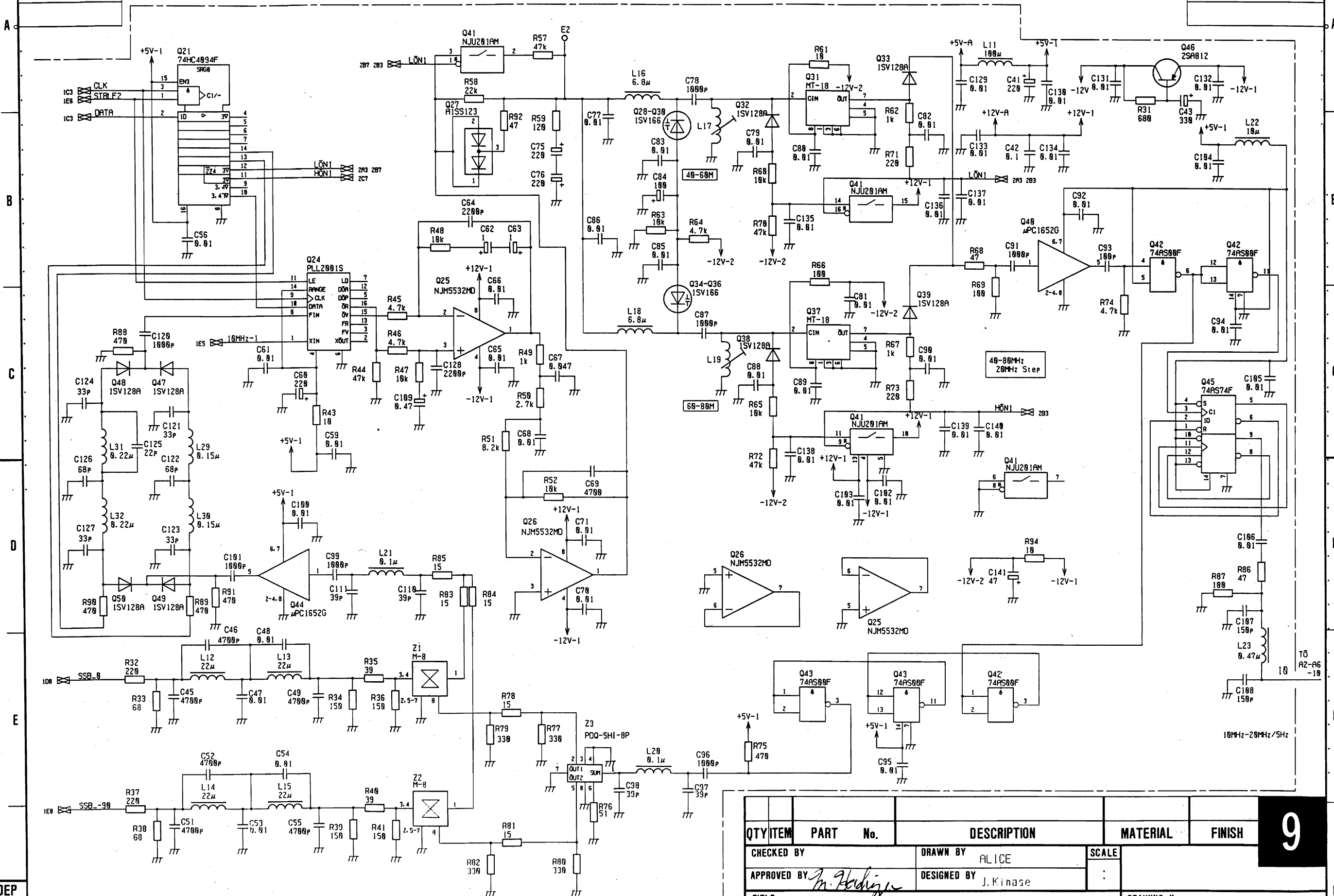


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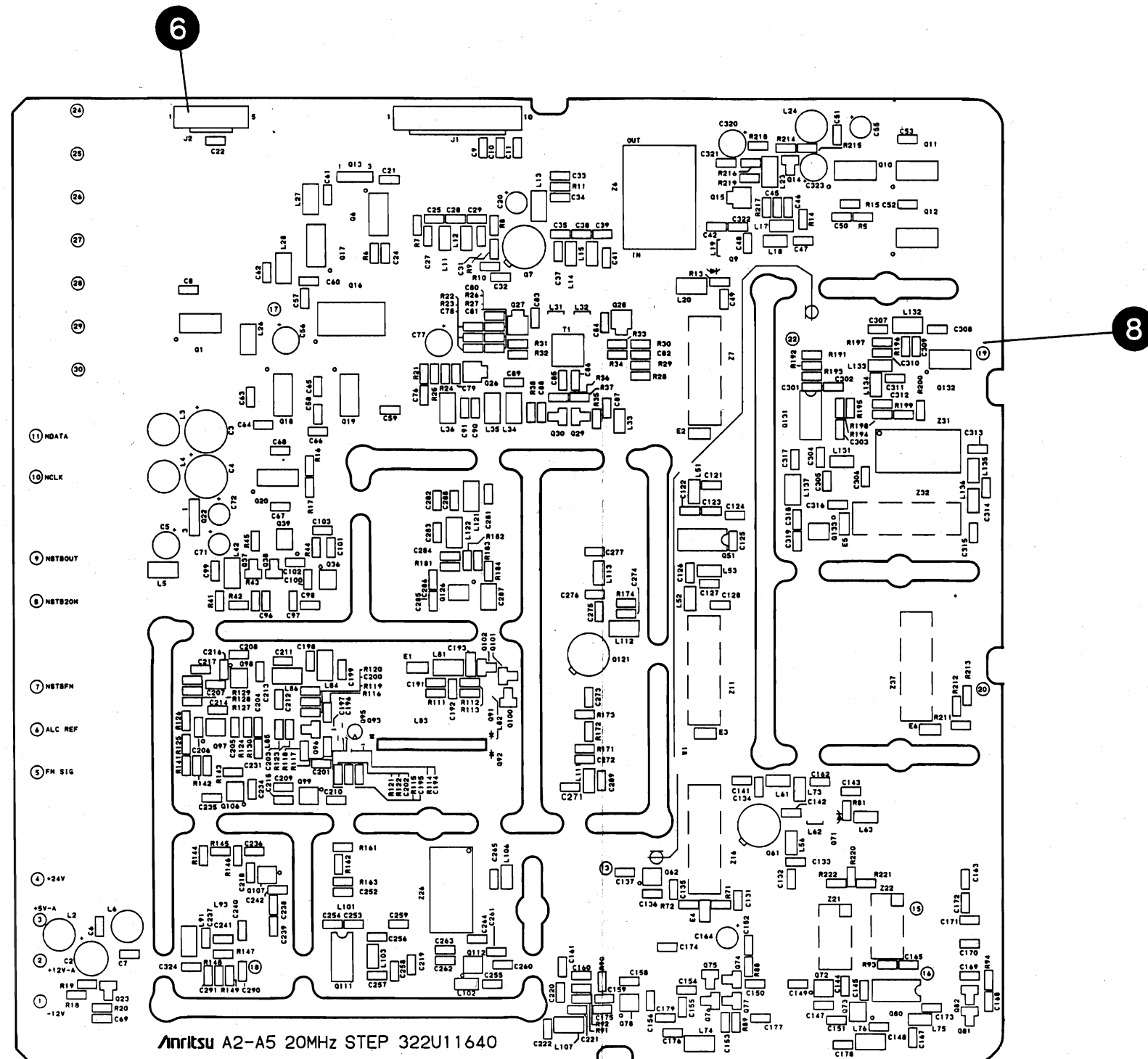
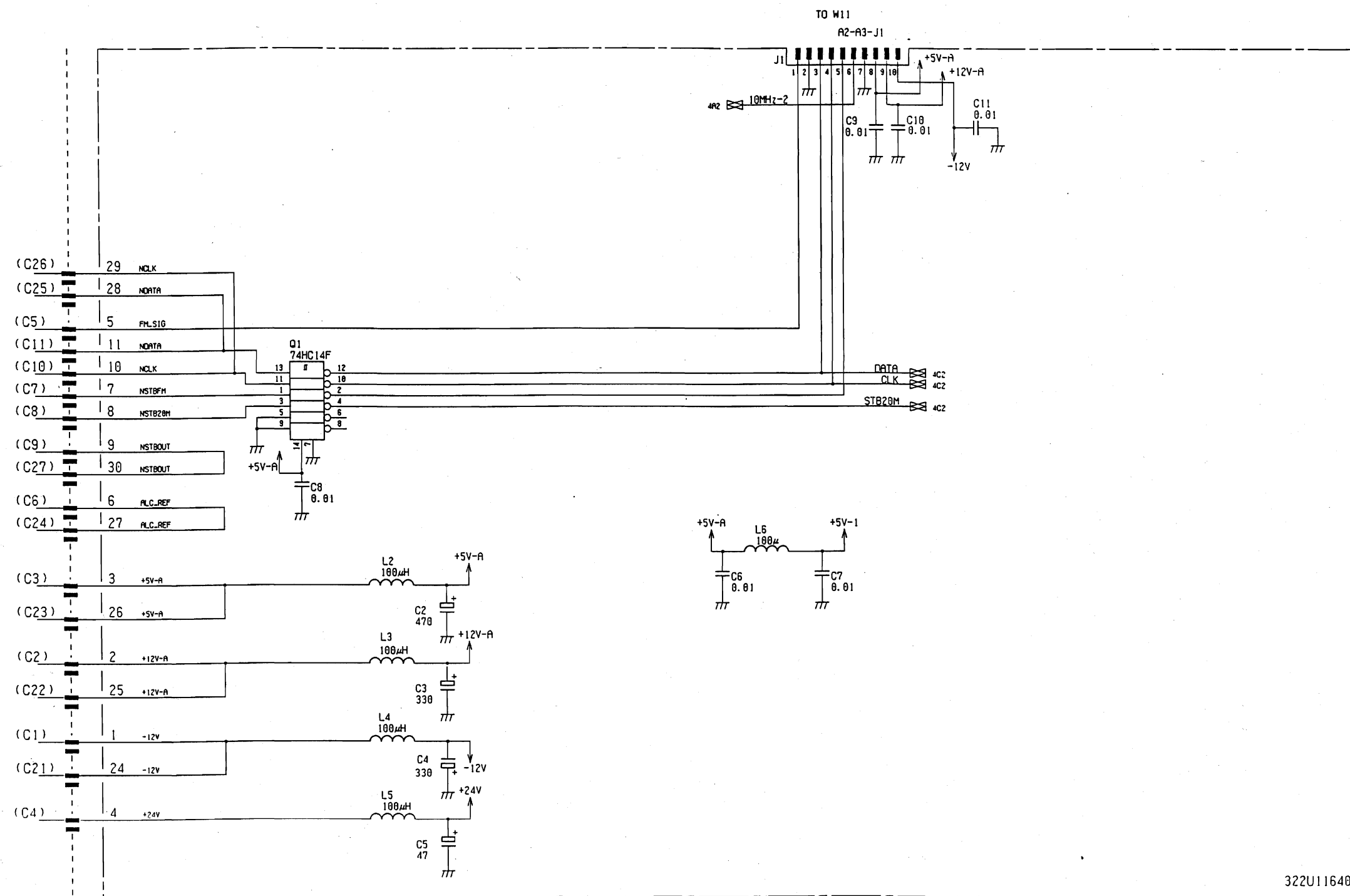


Fig. 2-25 A2-A5 20 MHz STEP PC-Board Parts Layout

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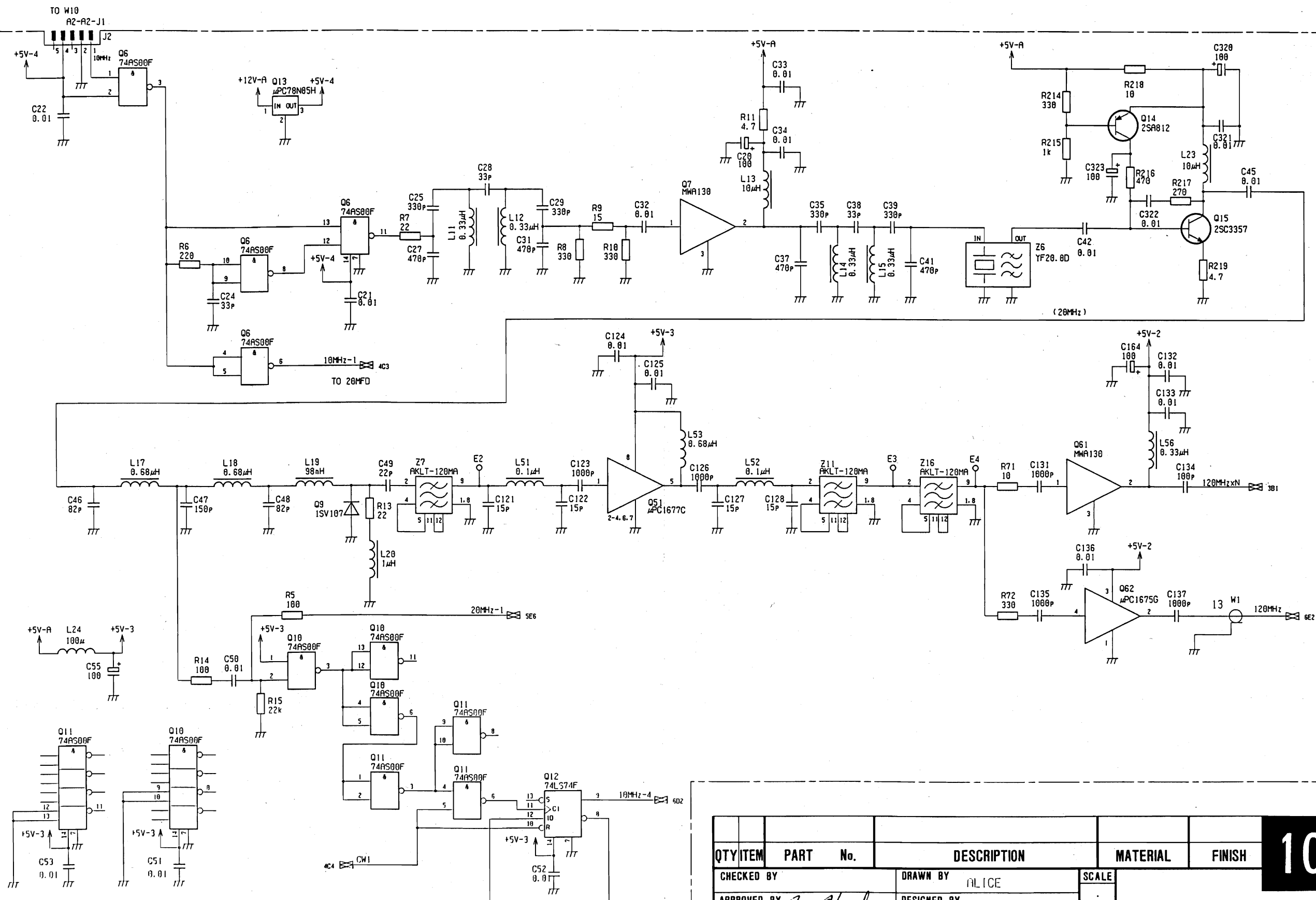
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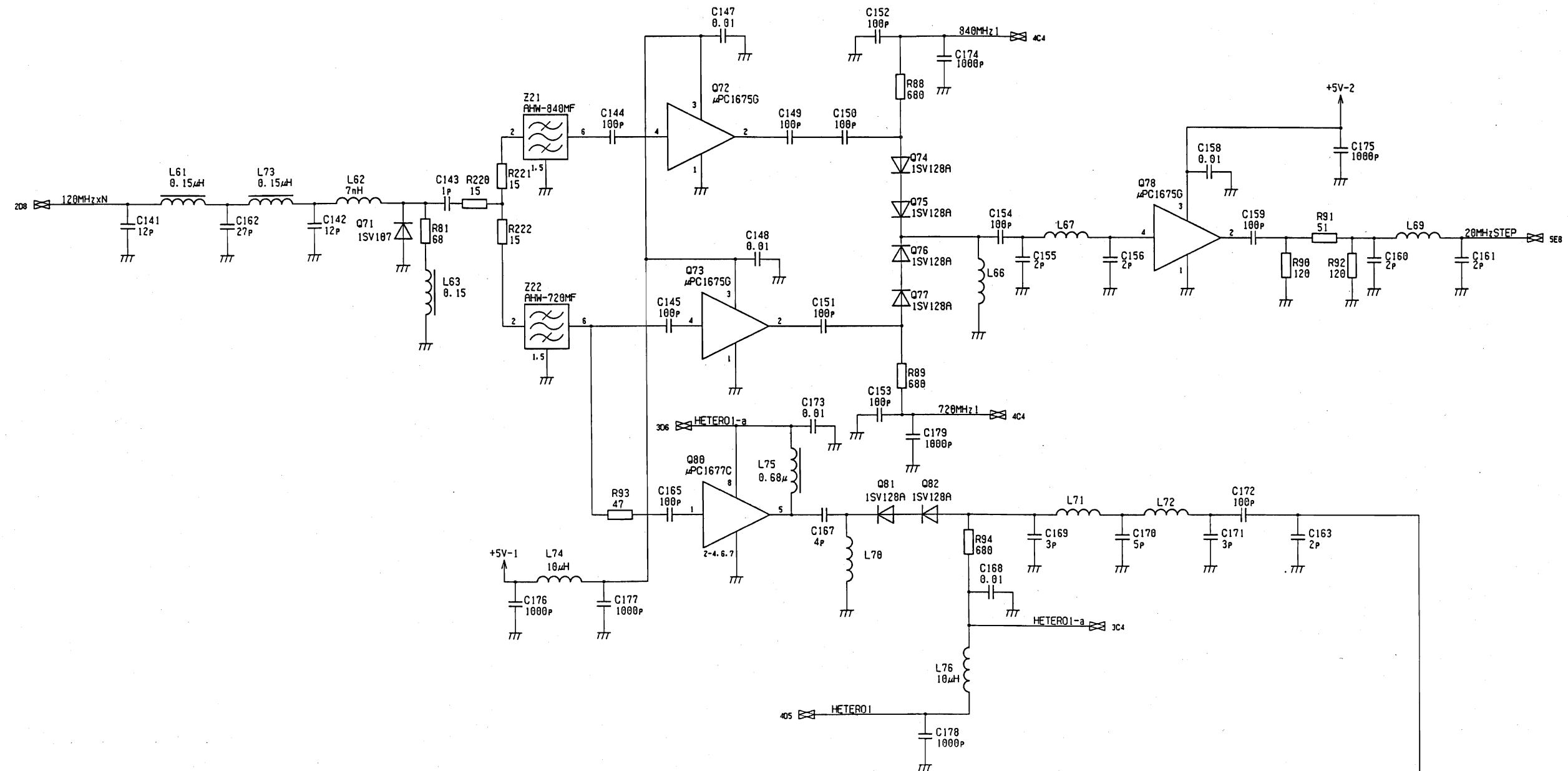


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A2-A5 20MHz STEP Circuit Diagram				33W32420	

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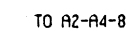
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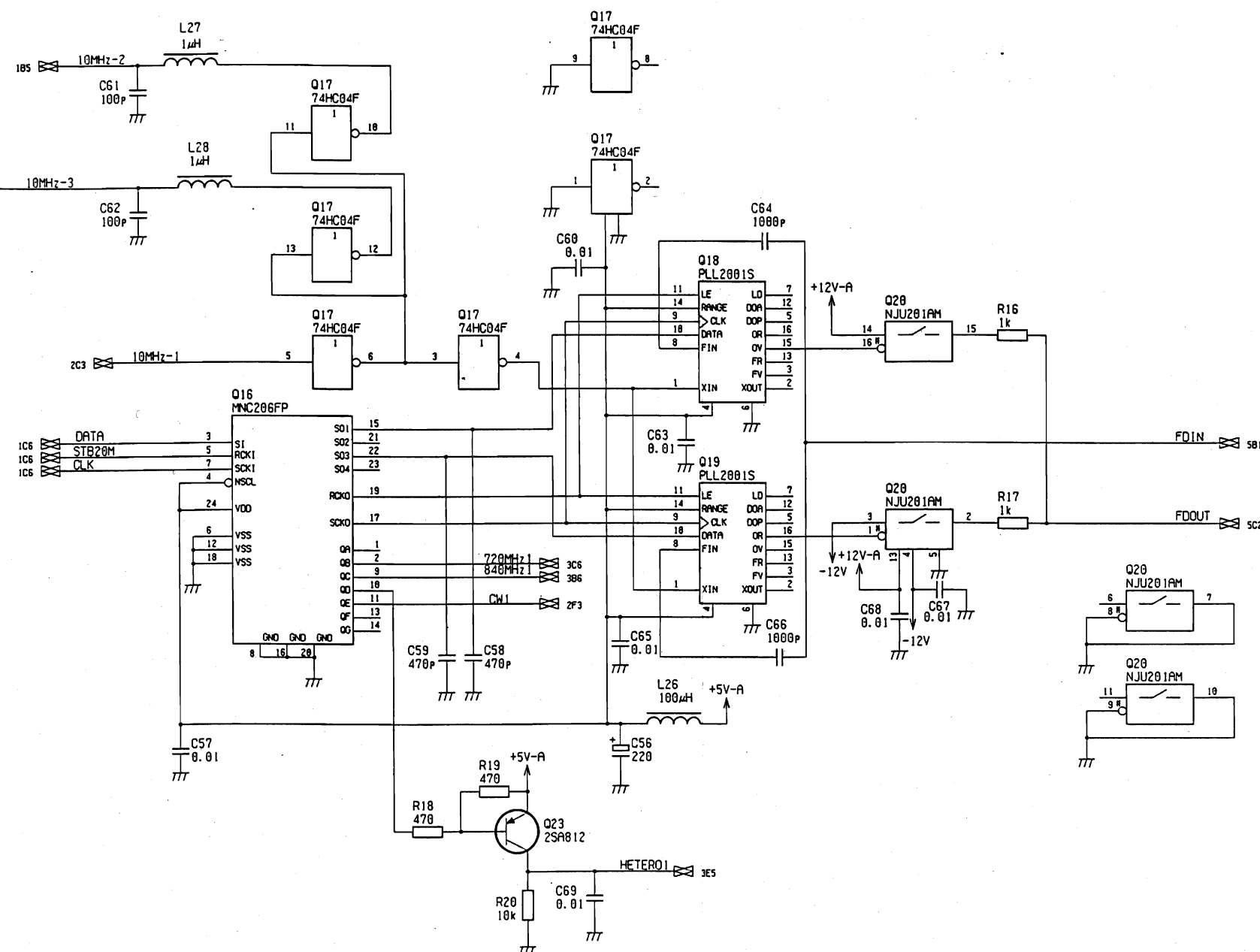
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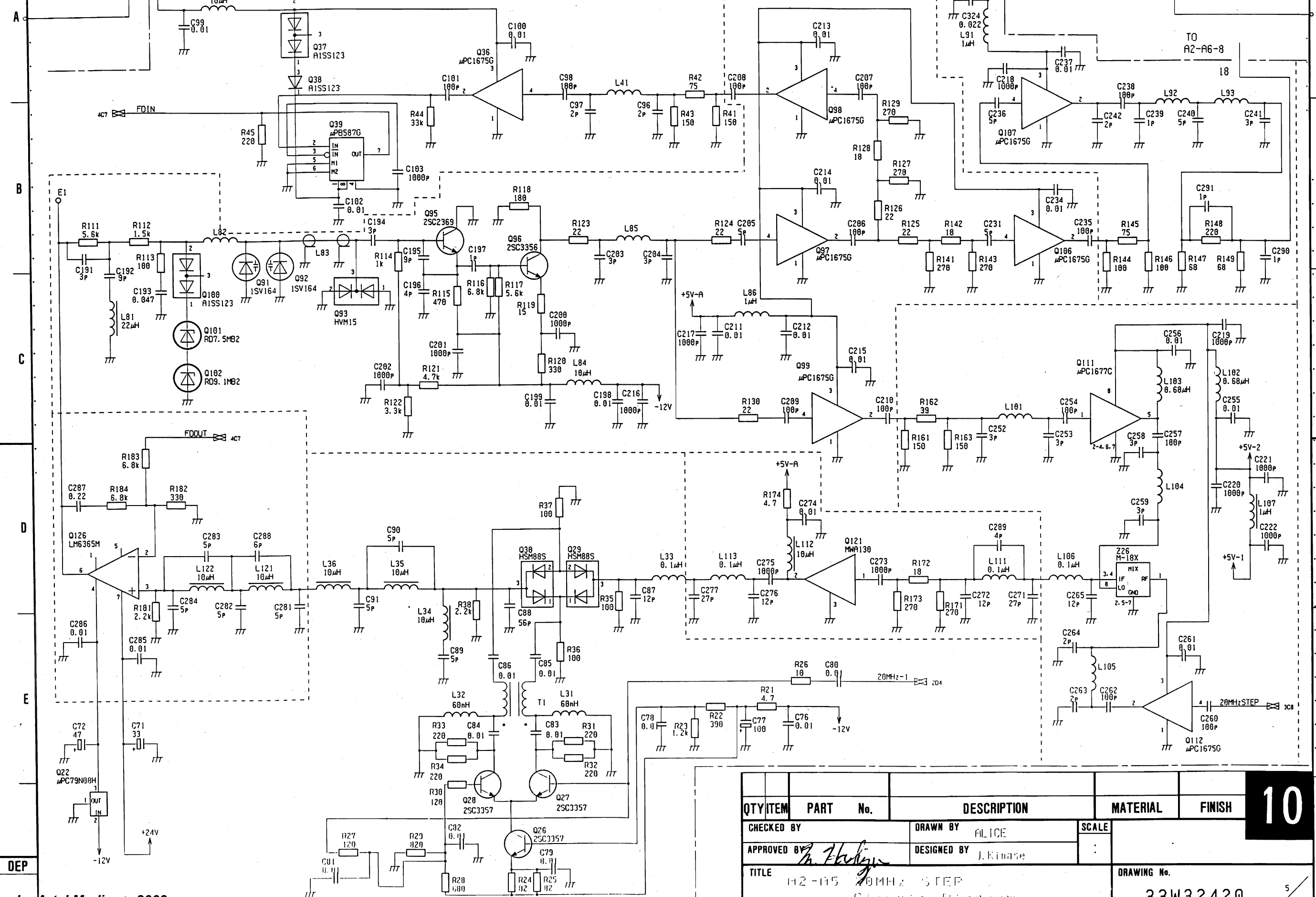
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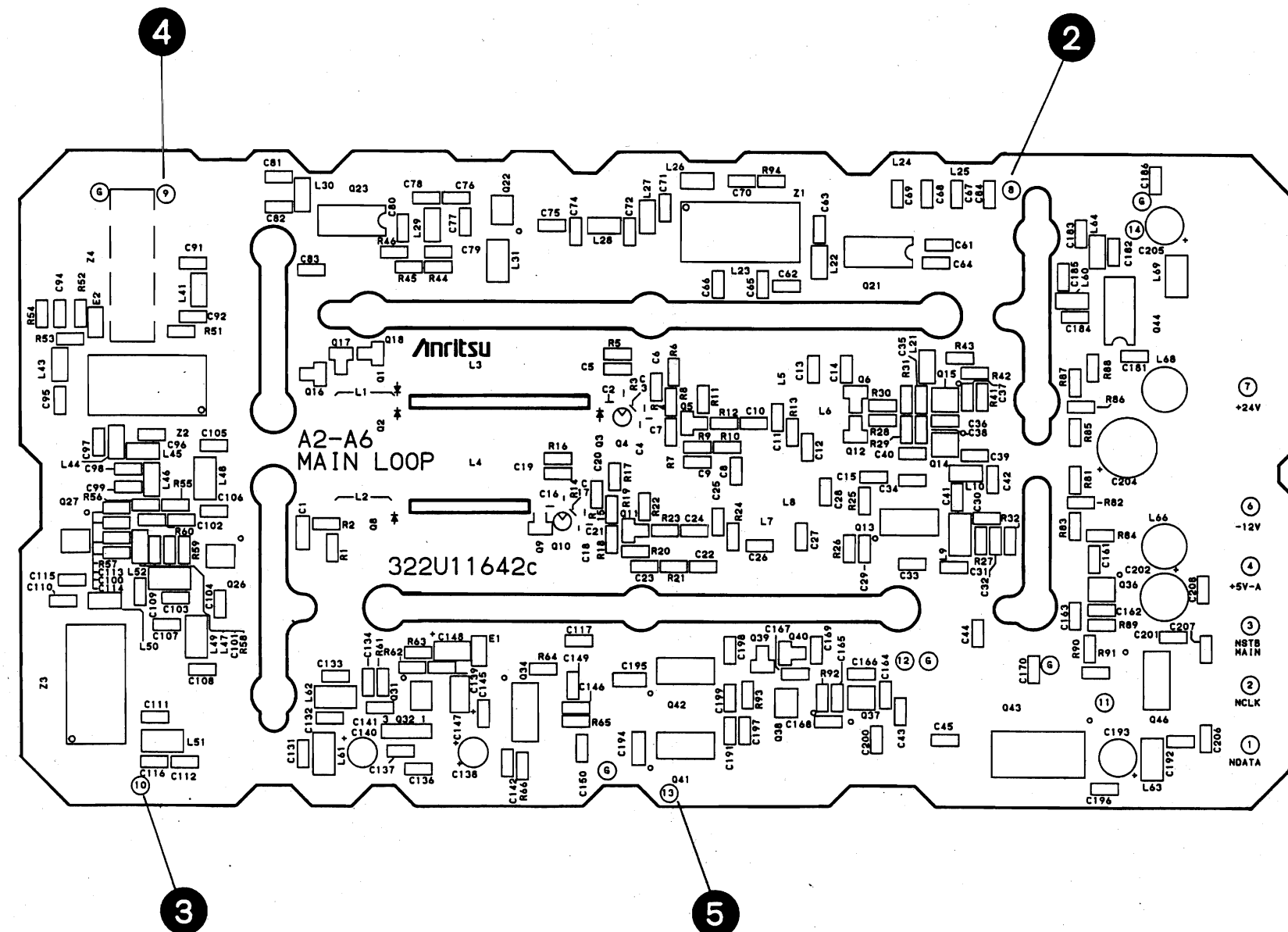
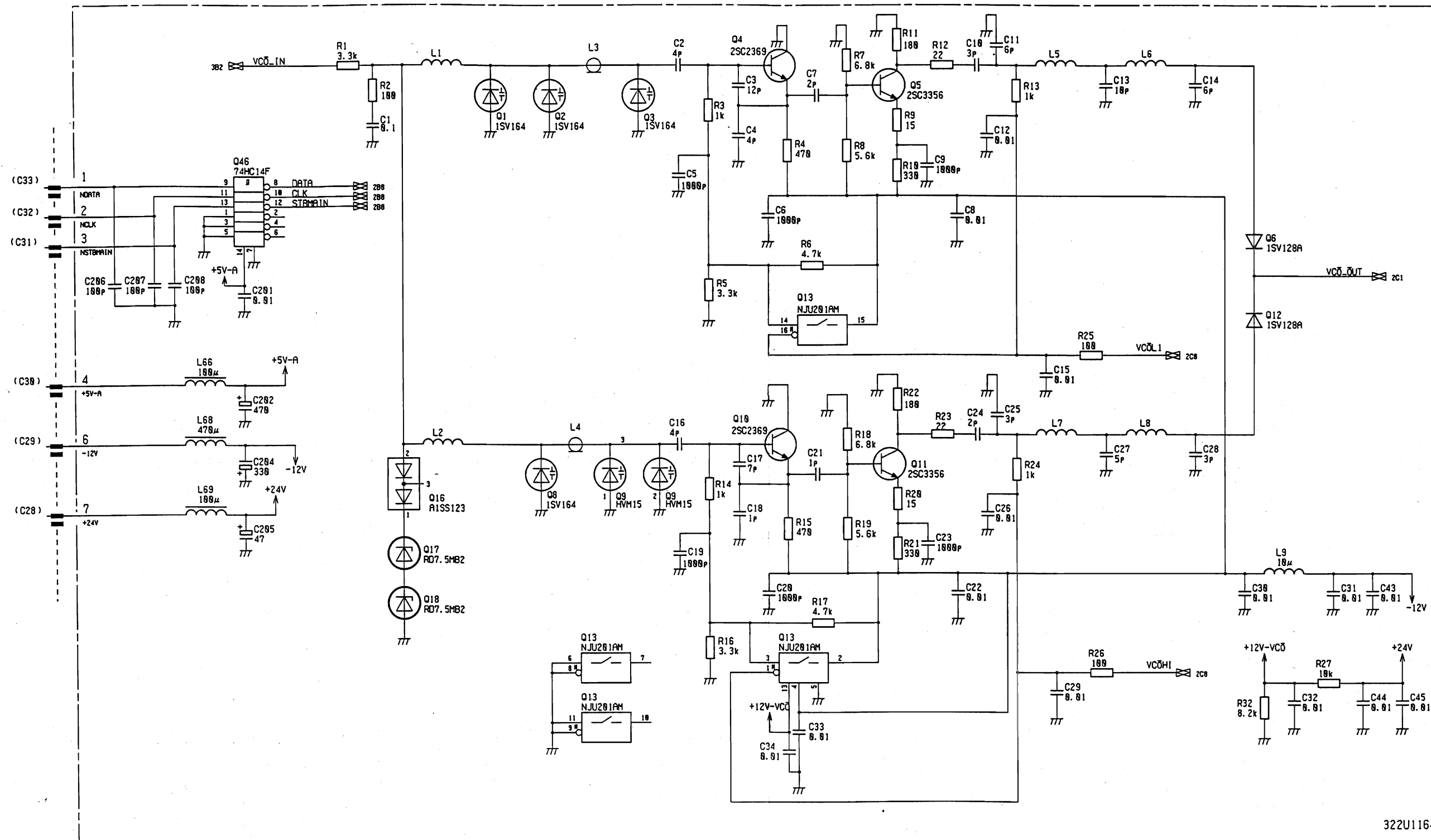


Fig. 3-26 A2-A6 MAIN LOOP PC-Board Parts Layout

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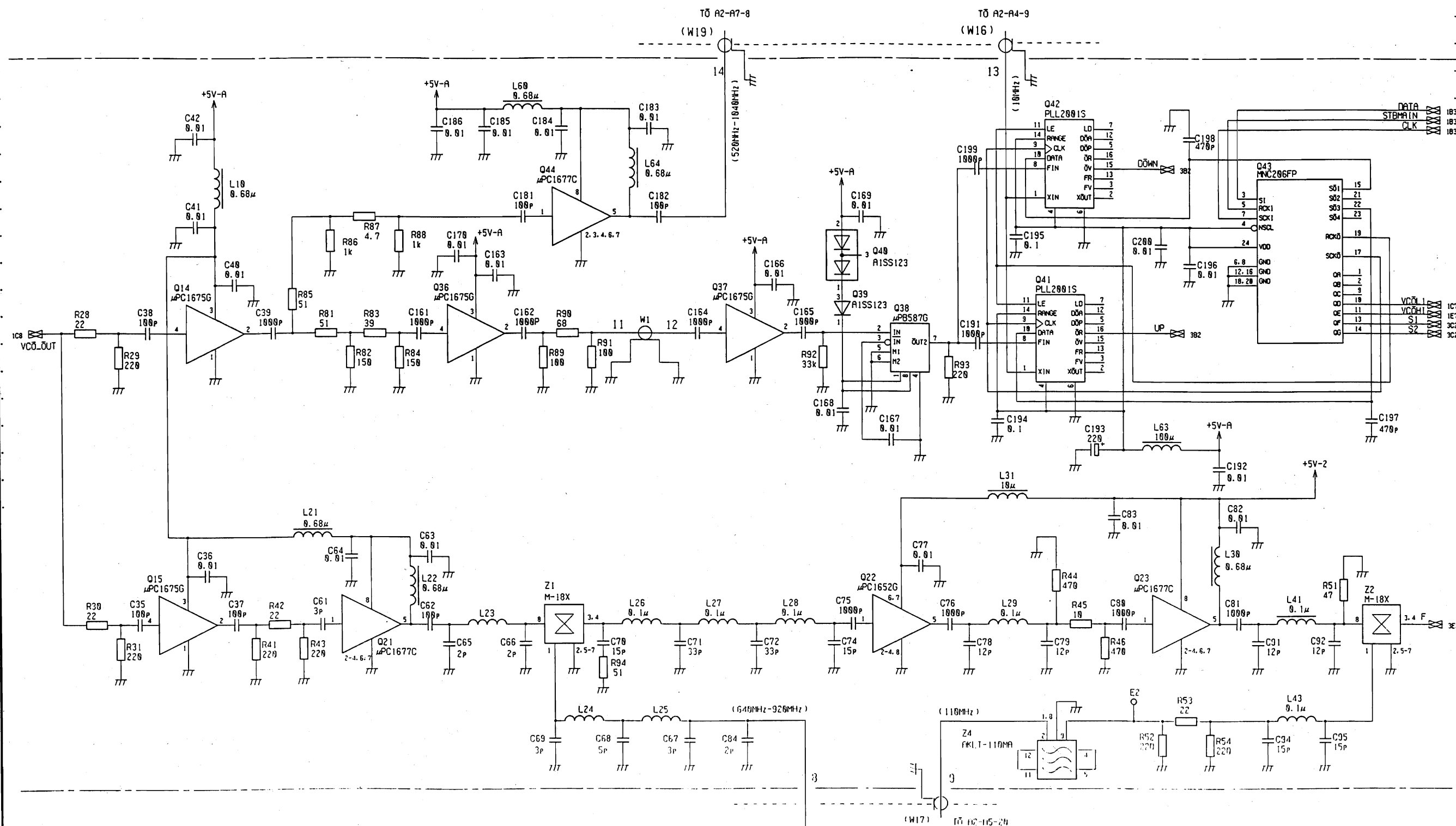
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	Circuit Diagram	33W32421		

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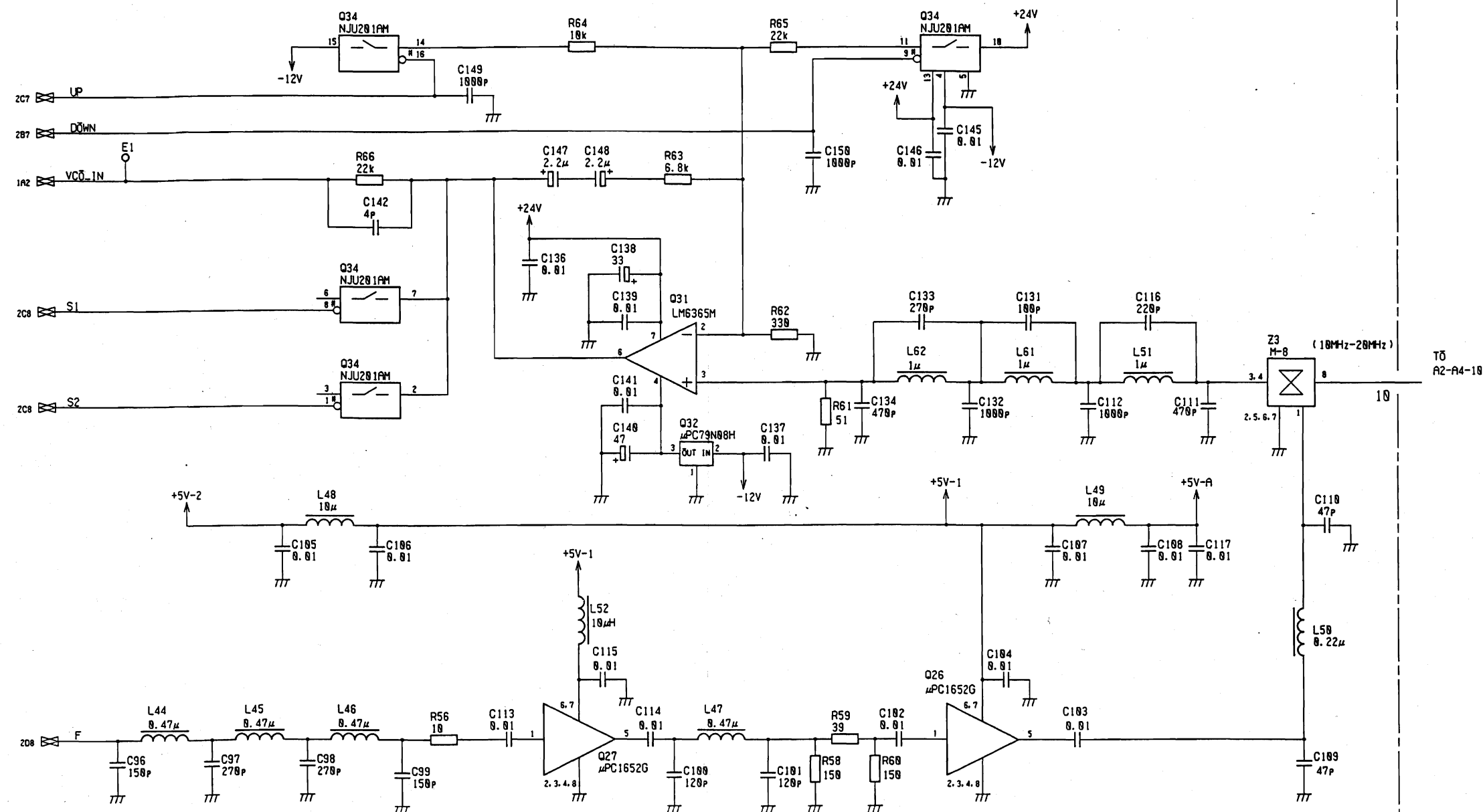
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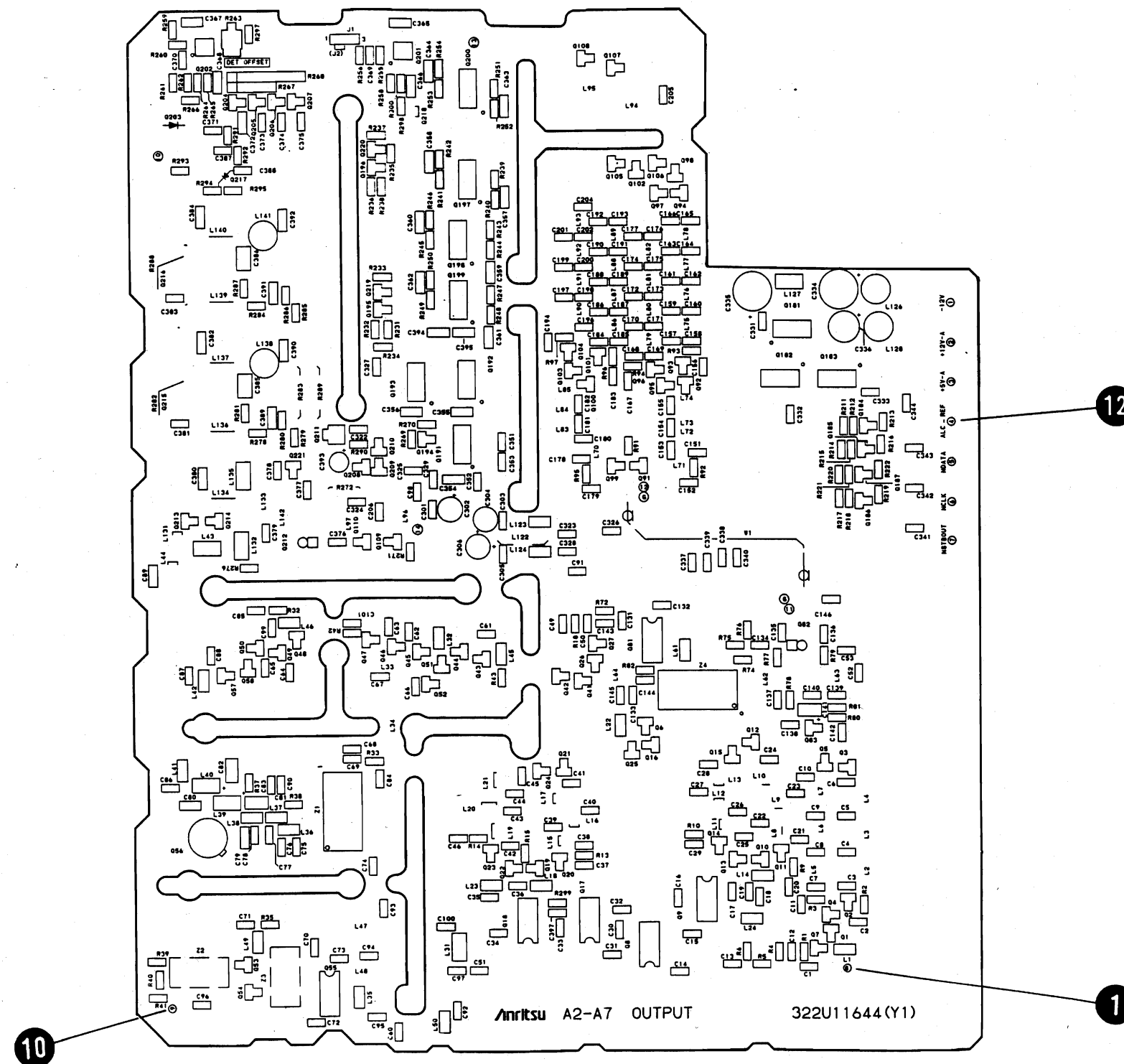
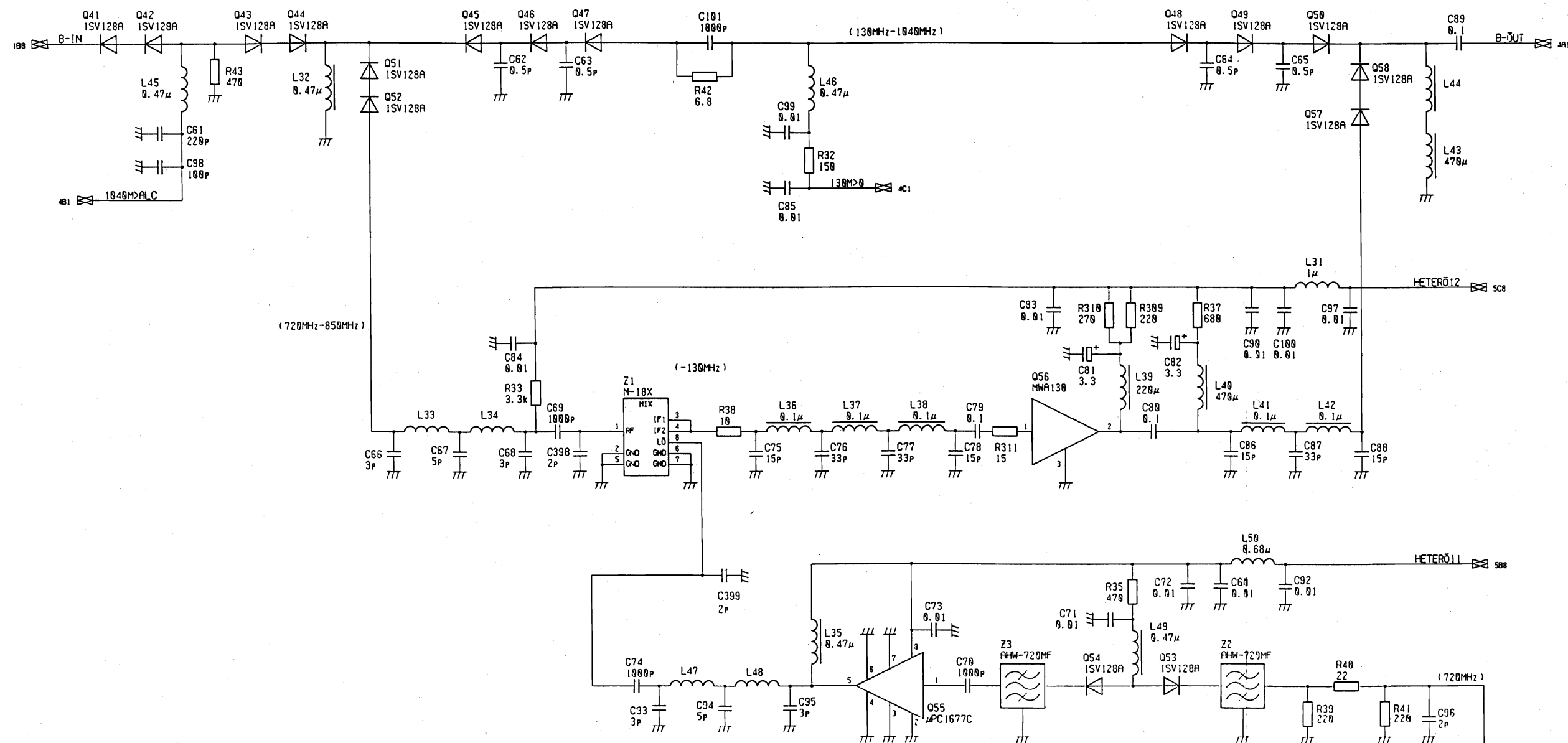


Fig. 3-27 A2-A7 OUTPUT PC-Board Parts Layout 12



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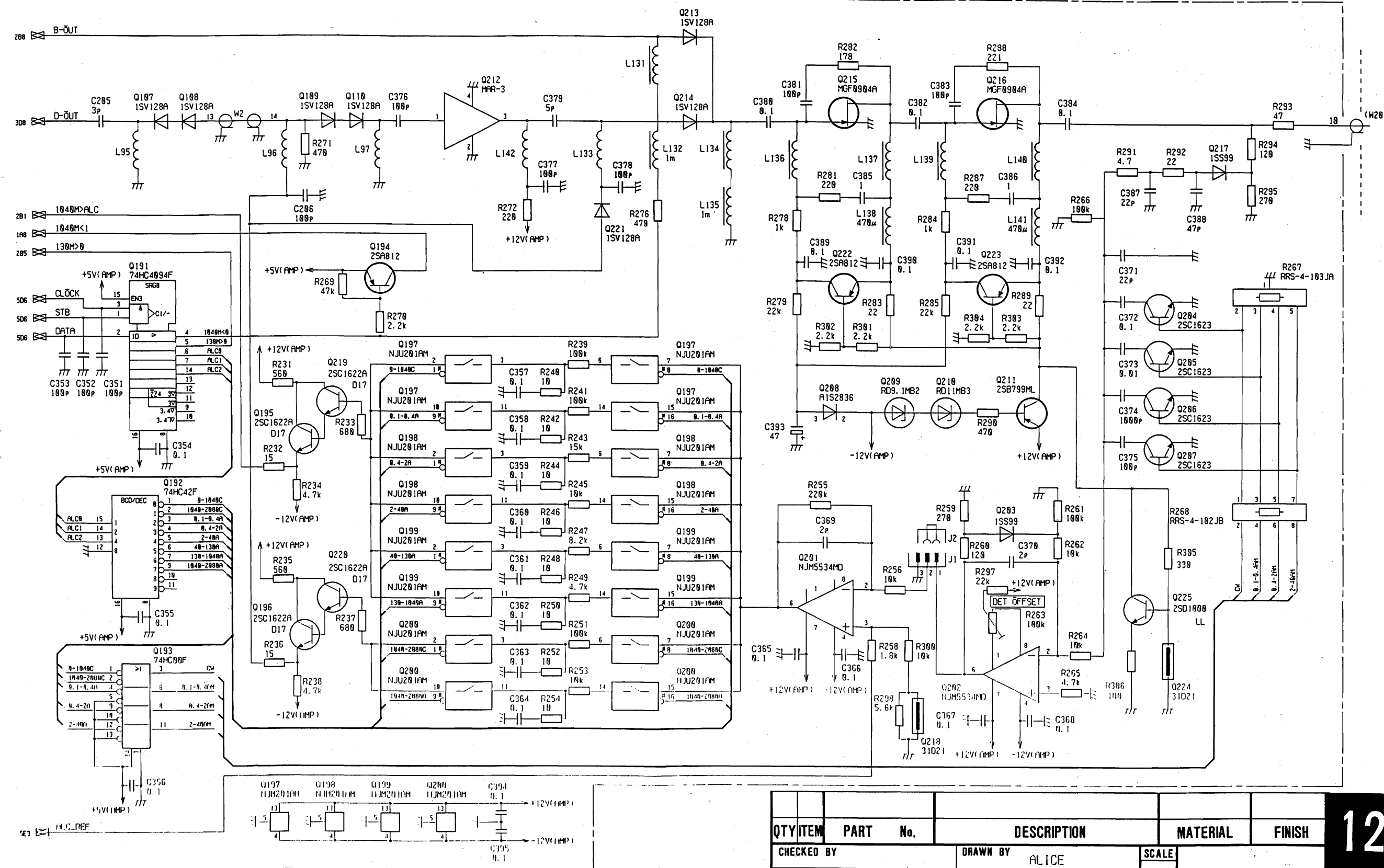






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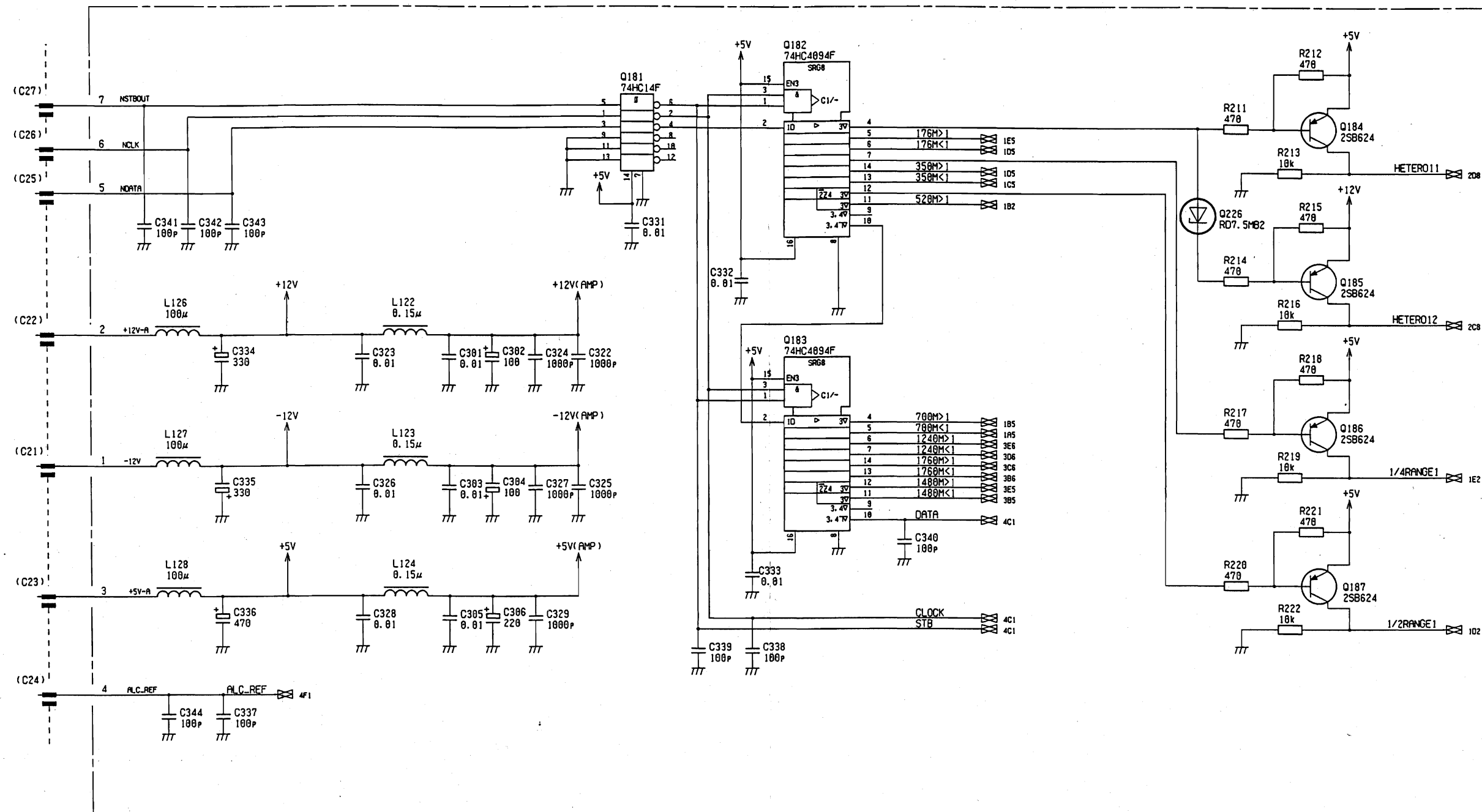
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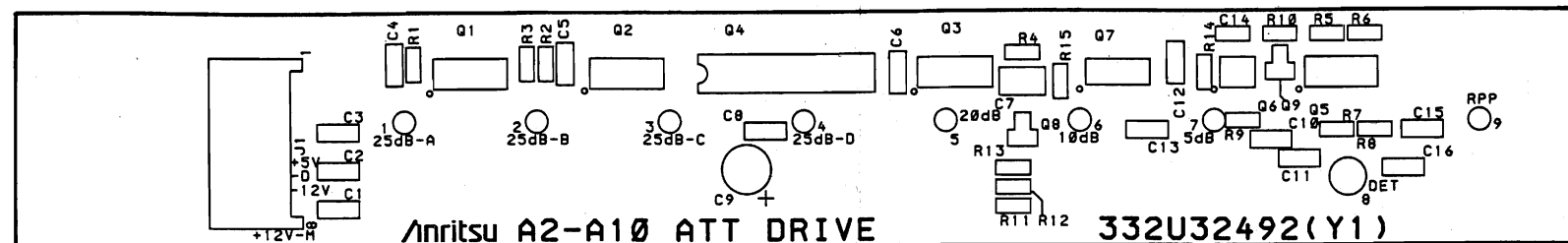
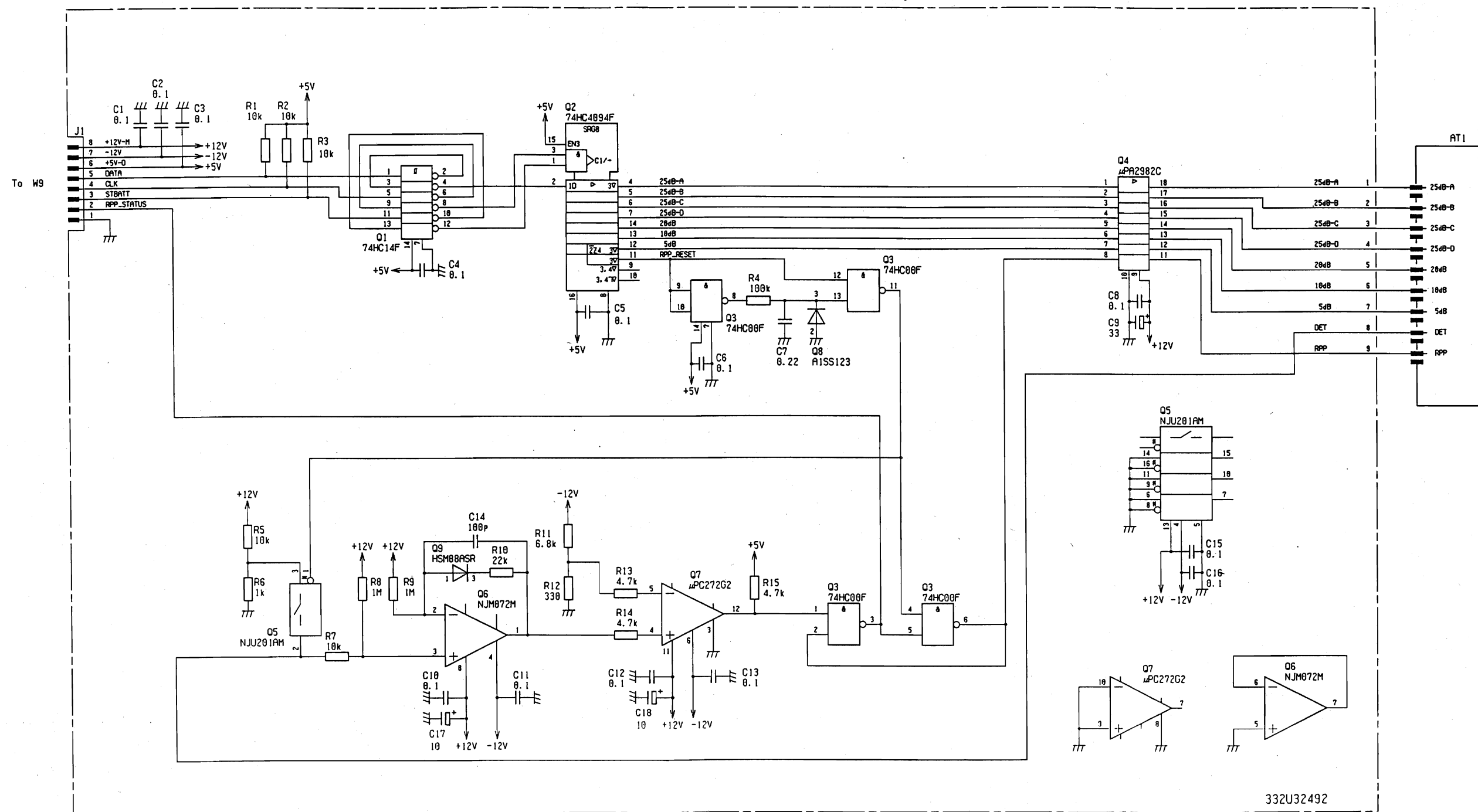


Fig. 3-28 A2-A10 ATT DRIVE PC-Board Parts Layout 13

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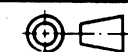


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PARTS LIST 34W99307

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QTY	ITEM	PART	No.	DESCRIPTION	MATERIAL		FINISH
CHECKED BY			DRAWN BY ALICE		SCALE		
APPROVED BY <i>M. Harty</i>			DESIGNED BY J. Kinase		:		
TITLE A2-A10 ATT DRIVE Circuit Diagram					DRAWING No. 33W32426 1/		

13



ANRITSU CORP.

3-77

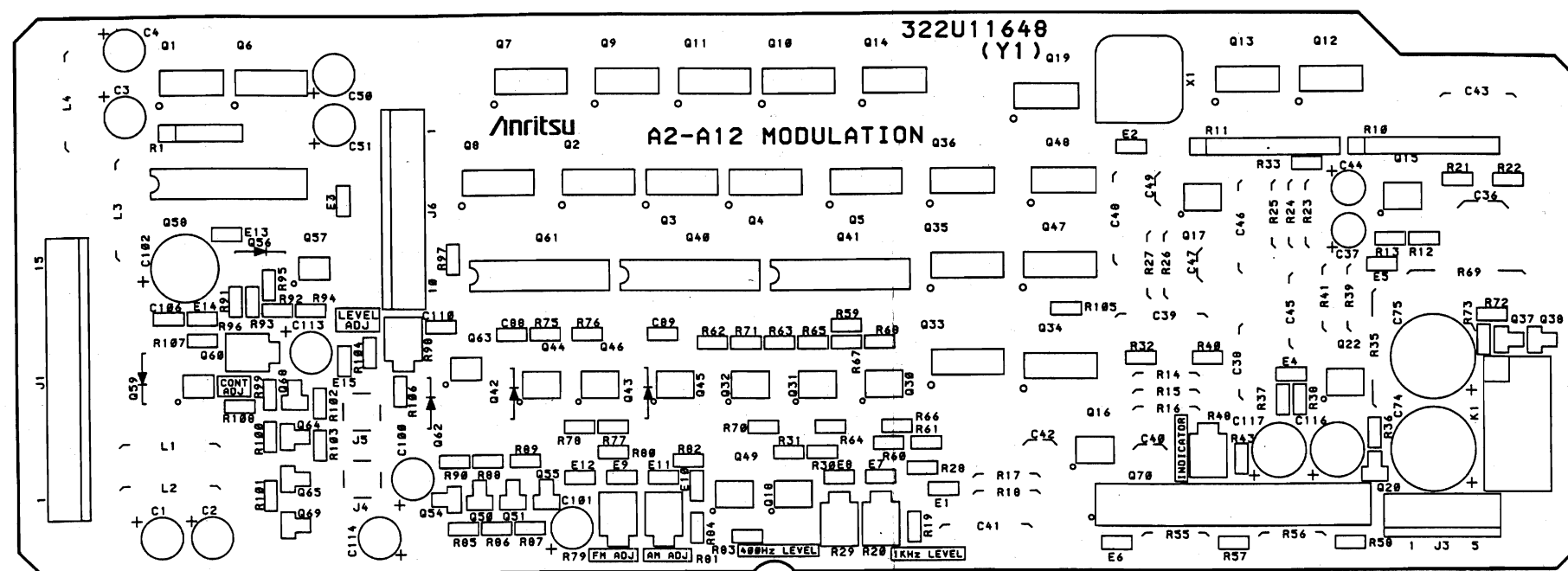


Fig. 3-29 (1/2) A2-A12 MODULATION PC-Board Parts Layout (Parts Side) 14

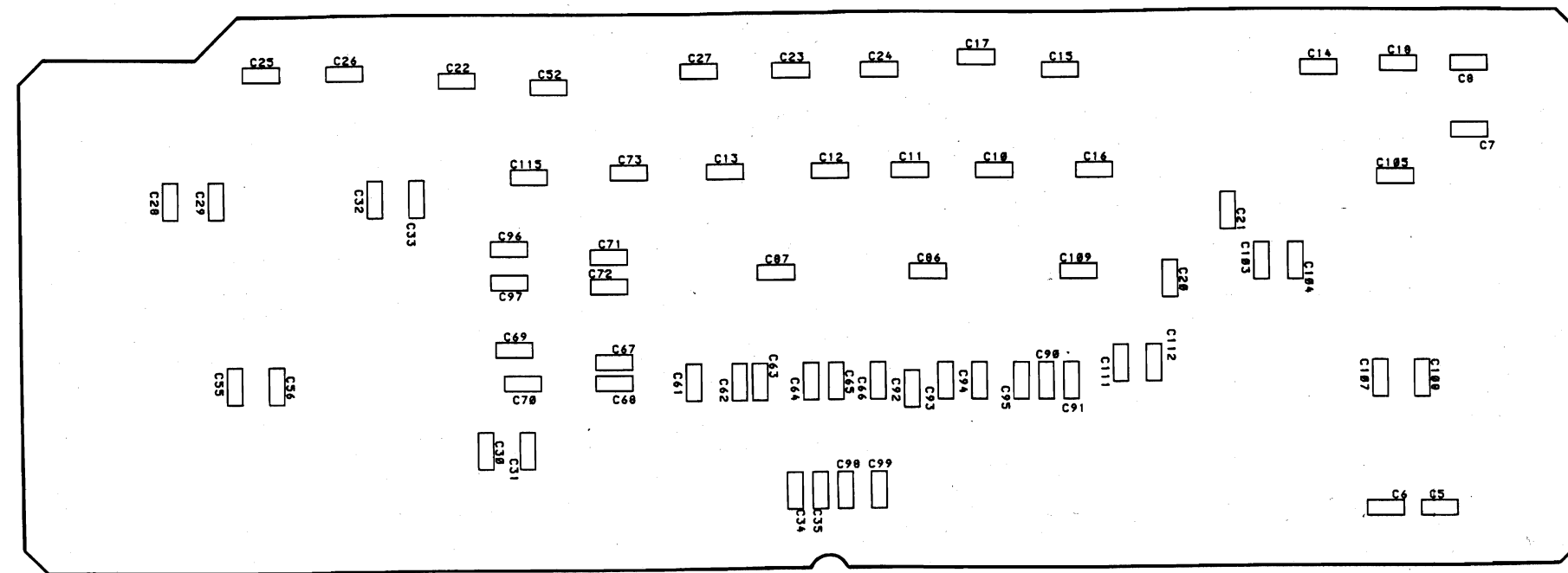


Fig. 3-29 (2/2) A2-A12 MODULATION PC-Board Parts Layout (Pattern Side) 14

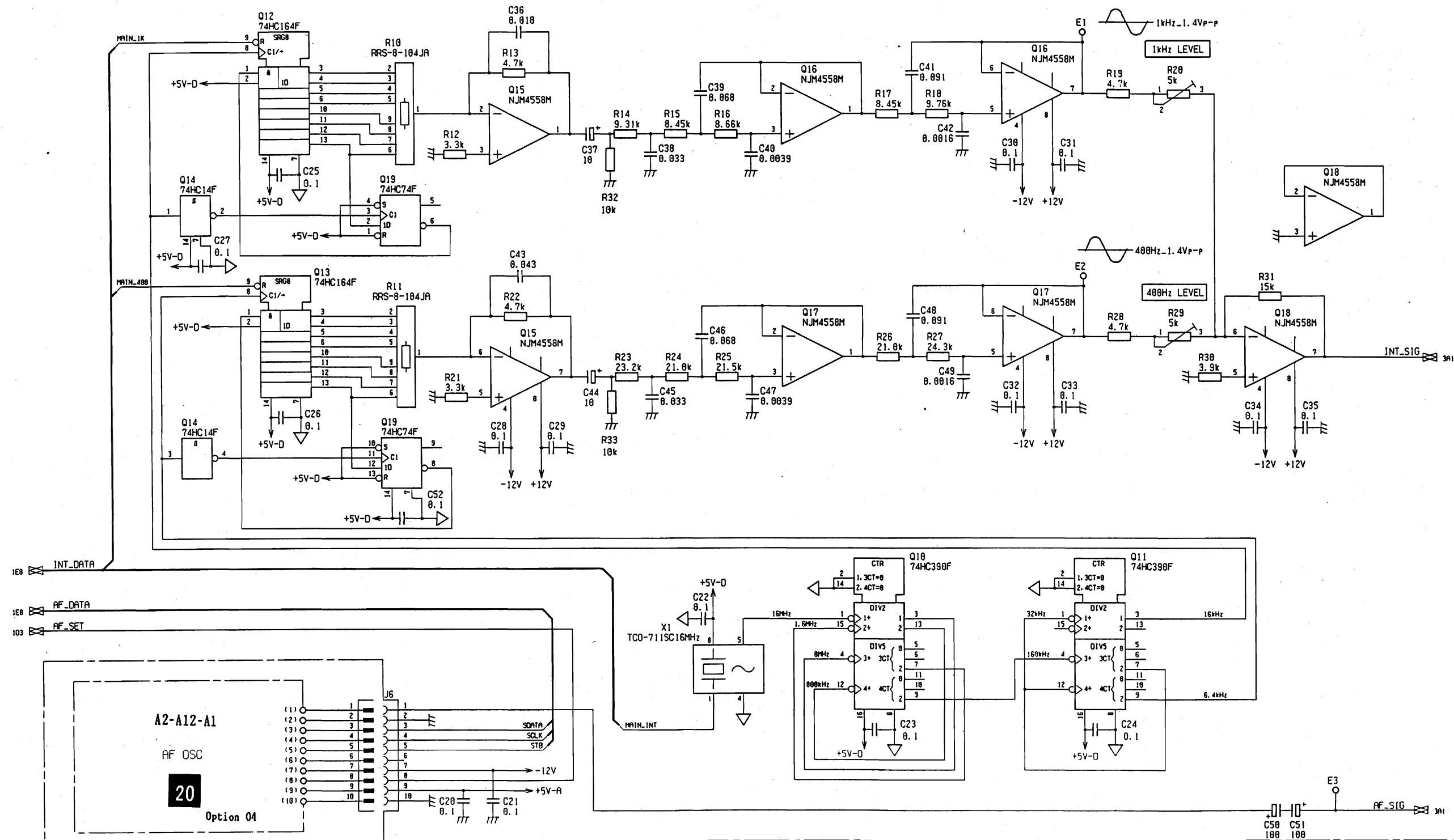




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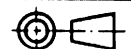
REVISIONS



DEP

QTY/ITEM	PART No.	DESCRIPTION	MATERIAL	FINISH
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APPROVED BY <i>M. Hashij</i>	DESIGNED BY J. Kinase			
TITLE A2-A12 MODULATION Circuit Diagram			DRAWING No. 33W32428	

14

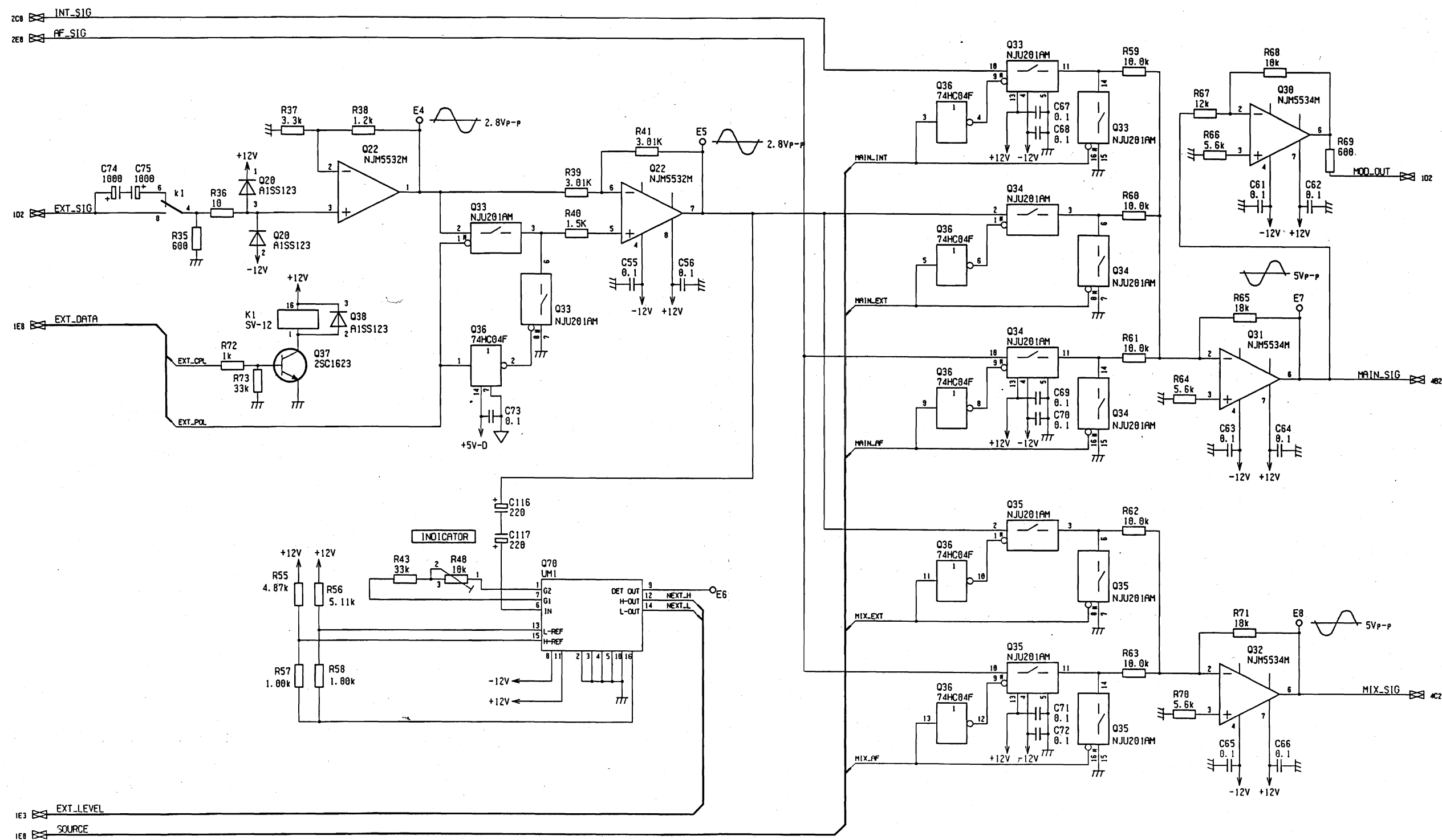


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3-81

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3 - 82

2

3

4

5

6



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QTY	ITEM	PART No.	DESCRIPTION	MATERIAL	FINISH
CHECKED BY		DRAWN BY ALICE		SCALE	14
APPROVED BY <i>[Signature]</i>		DESIGNED BY J. Kinase		:	
TITLE A2-A12 MODULATION Circuit Diagram				DRAWING No. 33W32428	

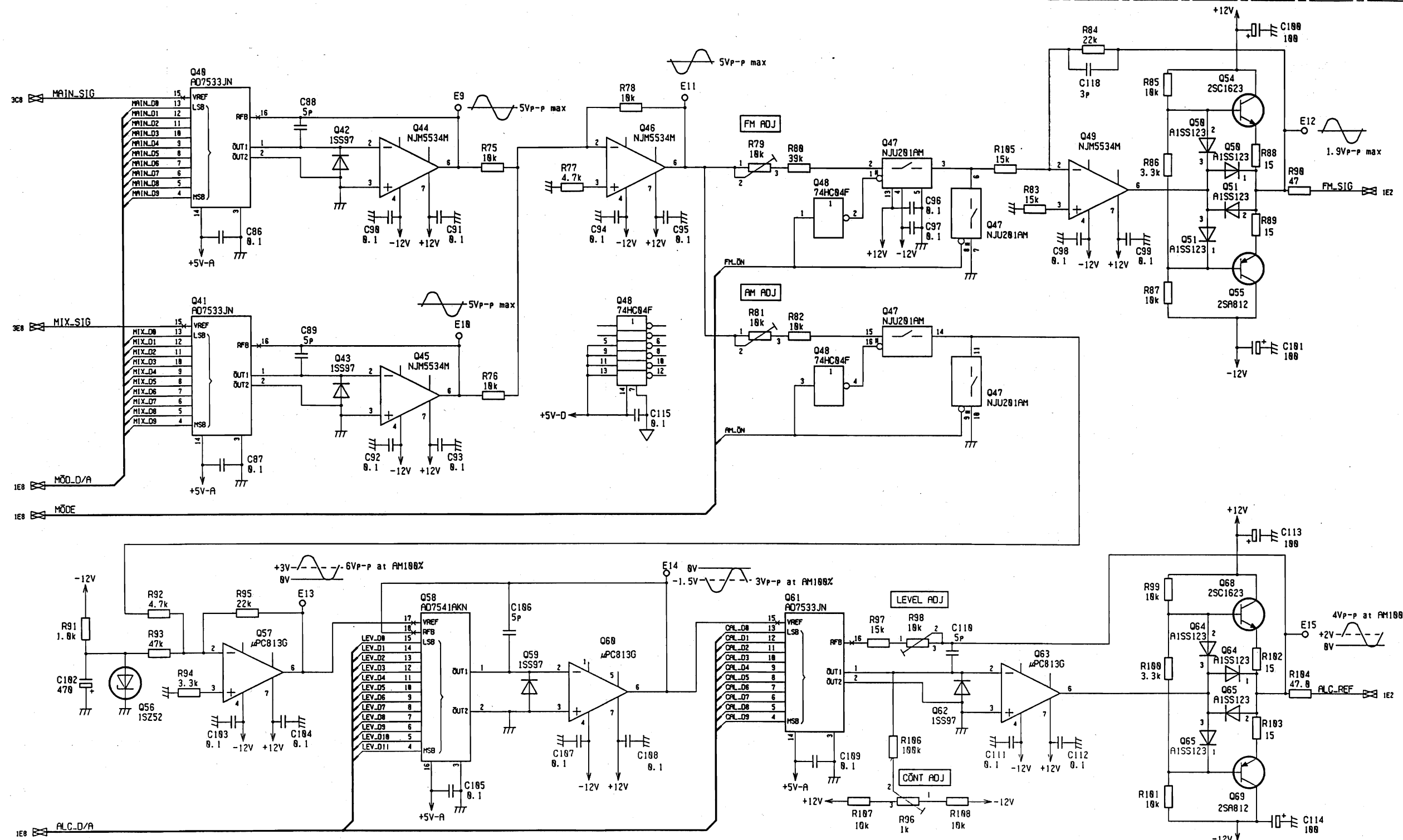
14

3/4

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QTY/ITEM	PART No.	DESCRIPTION	MATERIAL	FINISH
CHECKED BY	ALICE	SCALE		
APPROVED BY	J. Kinase	DESIGNED BY		
TITLE	A2-A12 MODULATION Circuit Diagram		DRAWING No.	33W32428

14

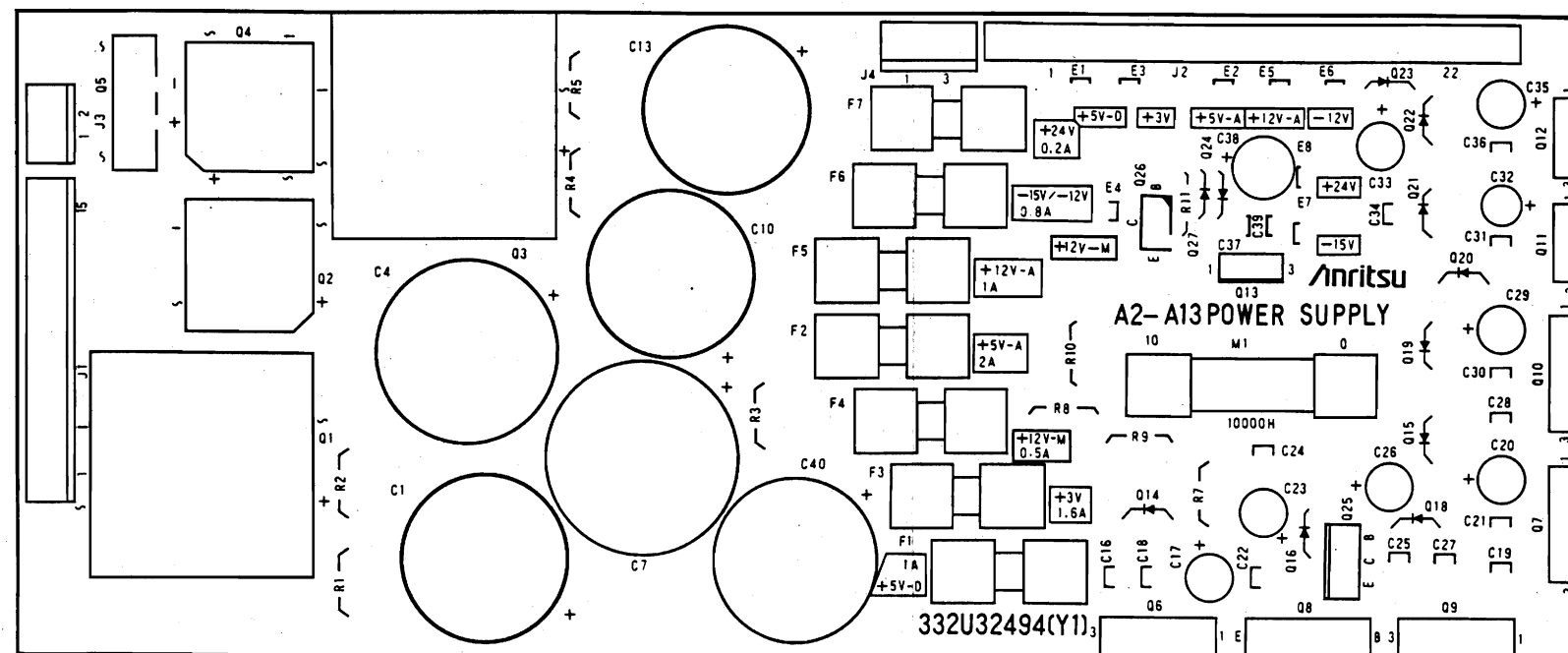


Fig. 3-30 A2-A13 POWER SUPPLY PC-Board Parts Layout 15

To A2-T1-J1

To A2-J12

To W1  
A2-A1-J1To W12  
A2-J6

332U32494

15

DEP

PARTS LIST 34W99310

QTY/ITEM	PART No.	DESCRIPTION	MATERIAL	FINISH
CHECKED BY		DRAWN BY ALICE	SCALE	
APPROVED BY <i>M. Madigan</i>		DESIGNED BY J. Kinase		
TITLE A2-A13 POWER SUPPLY Circuit Diagram			DRAWING No. 33W32429	

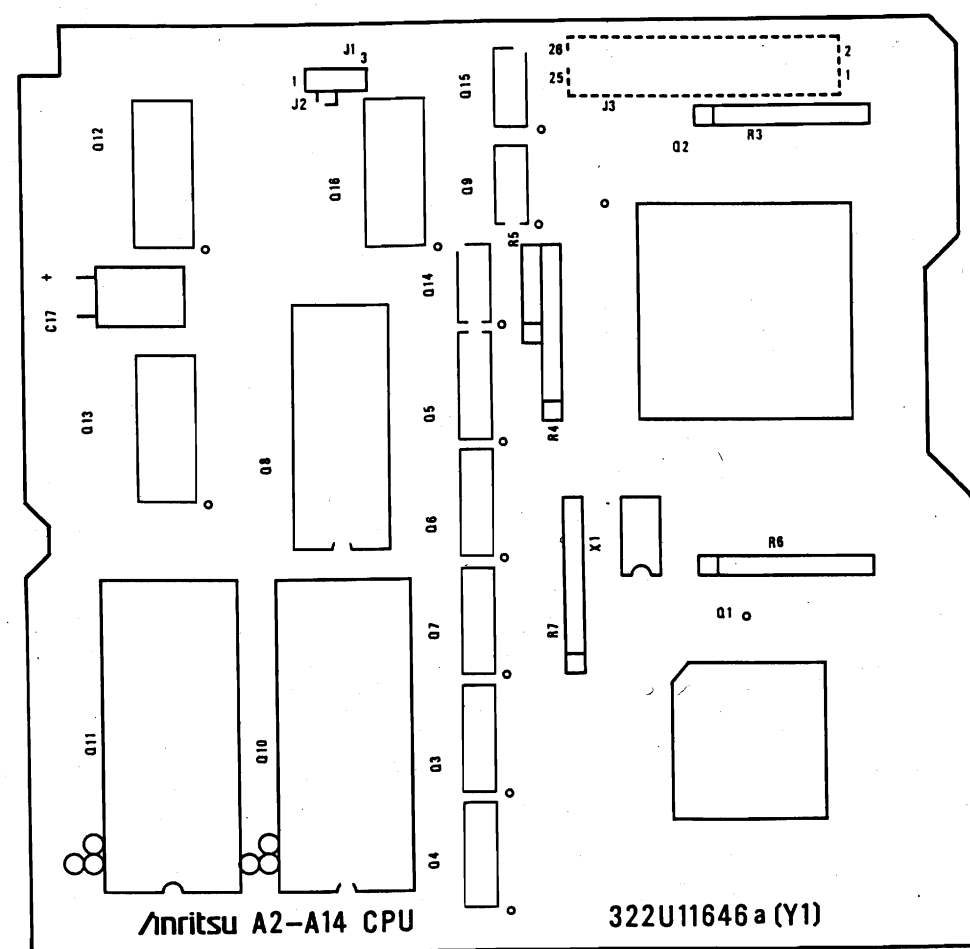


Fig. 3-31 (1/2) A2-A14 CPU PC-Boards Parts Layout (Parts Side) 16

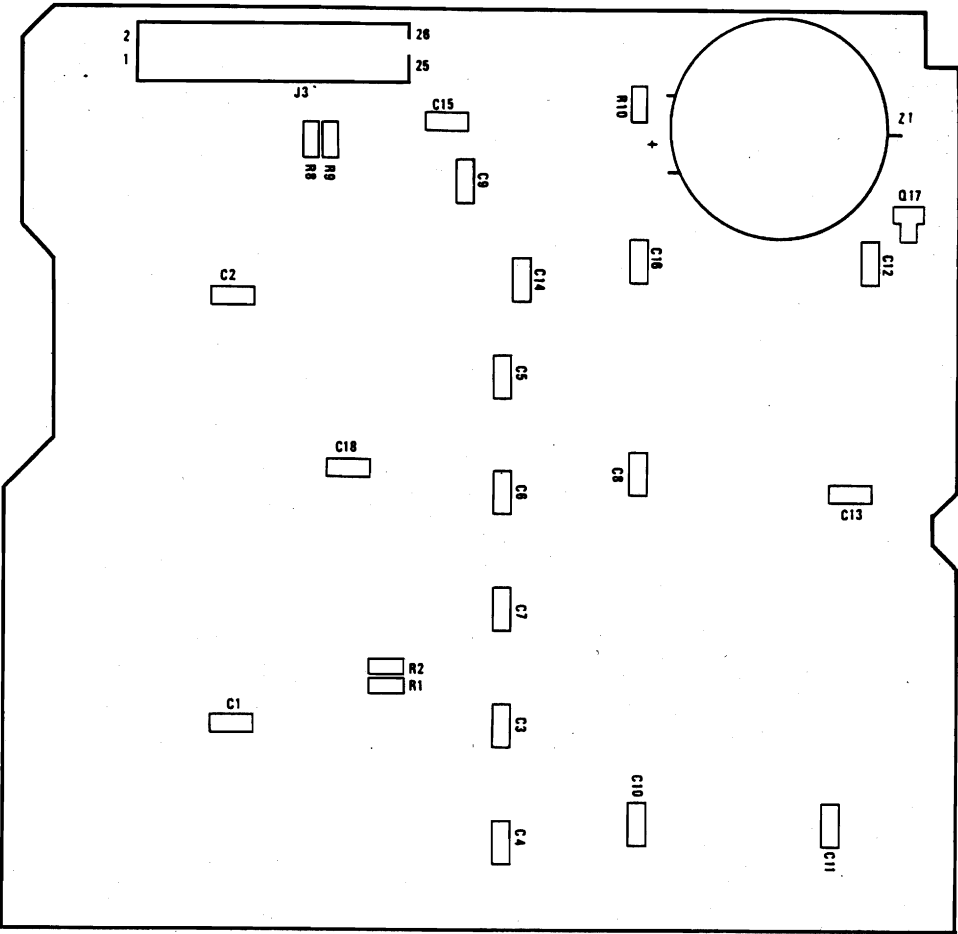
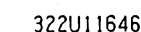


Fig. 3-31 (2/2) A2-A14 CPU PC-Boards Parts Layout (Pattern Side) 16

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INT7	POWER FAIL
INT6	TIMER
INT5	GP-IB
INT4	KEY
INT3	ROTARY ENCODER
INT2	not use
INT1	not use

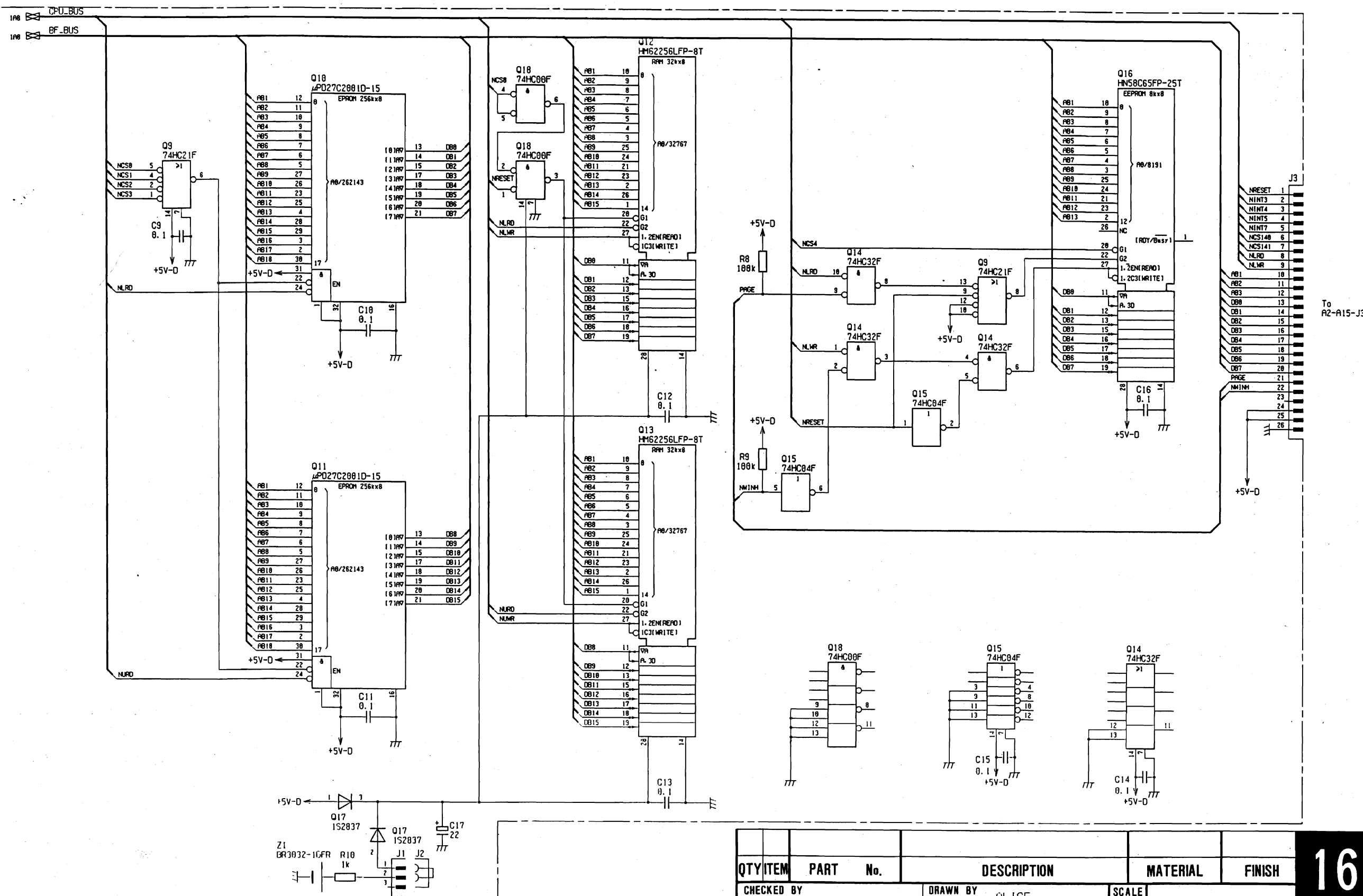
QTY	ITEM	PART No.	DESCRIPTION				MATERIAL	FINISH	
CHECKED BY			DRAWN BY ALICE				SCALE		
APPROVED BY <i>J.M. Ekins</i>			DESIGNED BY J.Kinase				:		
TITLE A2-A14 CPU Circuit Diagram							DRAWING No.  33W32430	1/	



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To A2-A15-J3

16

QTY	ITEM	PART No.	DESCRIPTION	MATERIAL	FINISH
CHECKED BY			DRAWN BY ALICE	SCALE	16
APPROVED BY <i>M. Harding</i>			DESIGNED BY J. Kinase	:	
TITLE A2-A14 CPU Circuit Diagram				DRAWING No. 33W32430	

DEP

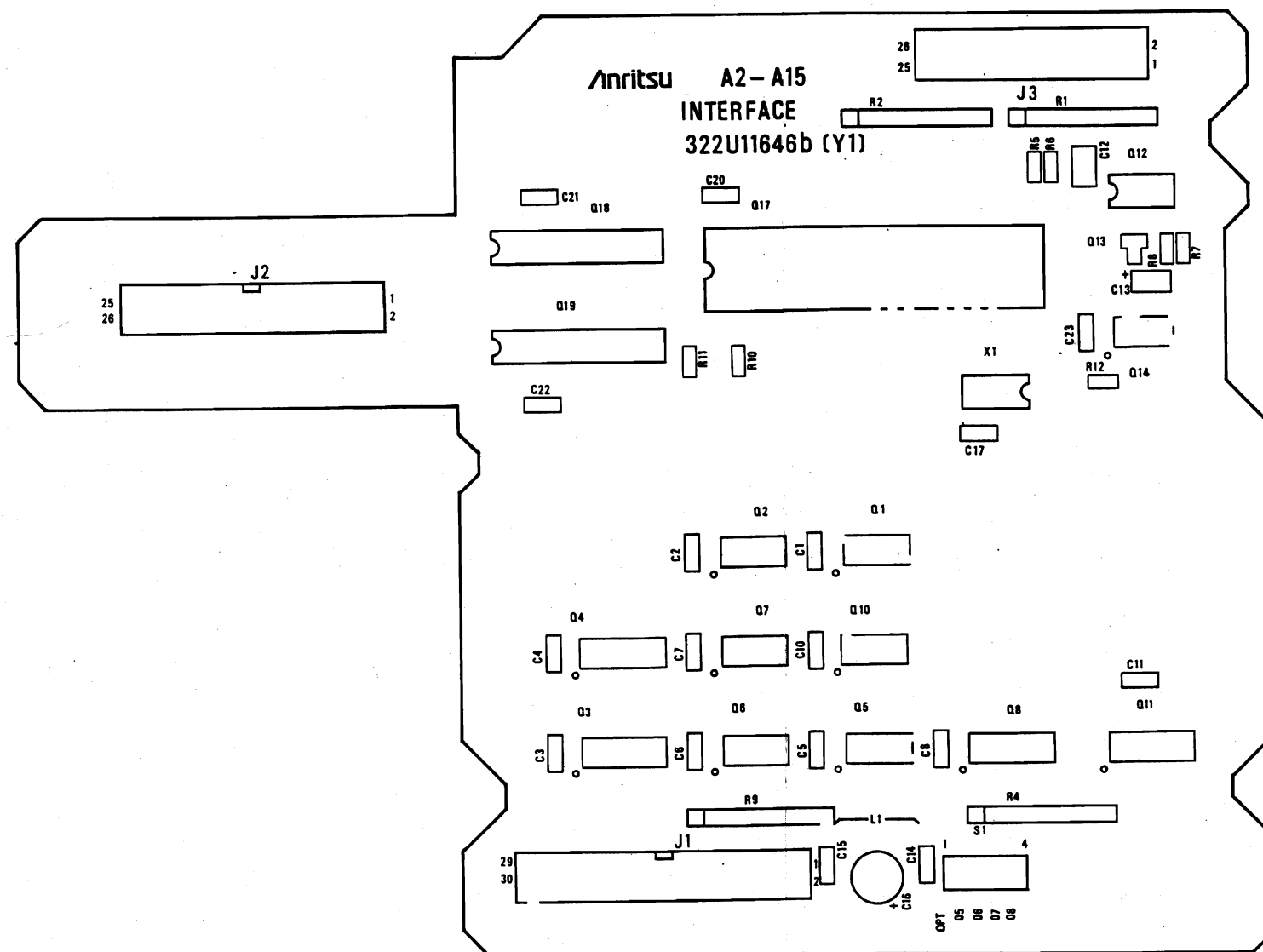
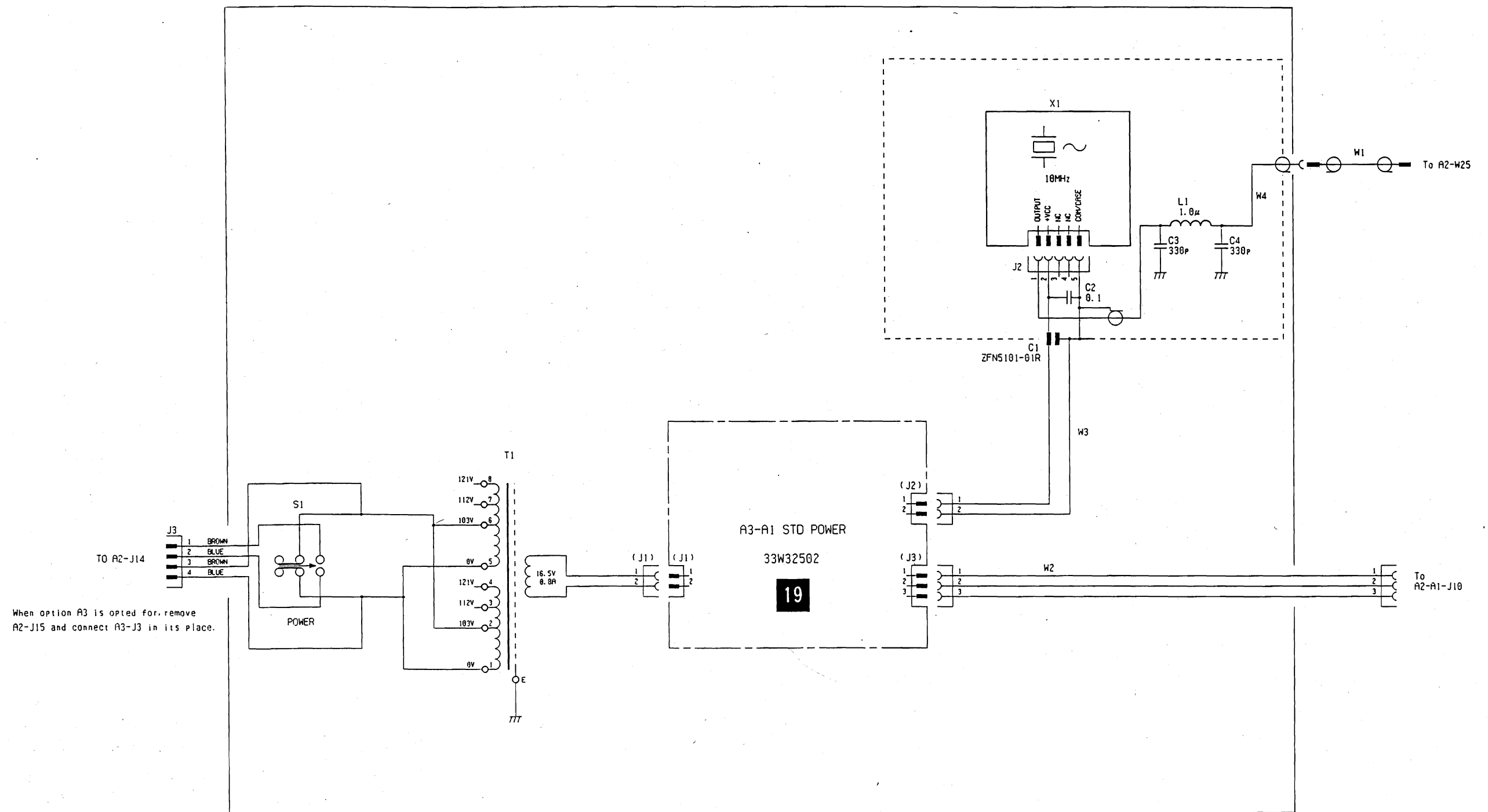


Fig. 3-32 A2-A15 INTERFACE PC-Board Parts Layout 17



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17



QTY		ITEM	PART	No.	DESCRIPTION	MATERIAL	FINISH
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APPROVED BY		DESIGNED BY			J. Kinase	:	
TITLE						DRAWING No.	
A3 STD UNIT (OPT01~03)						33W32501	
Circuit Diagram						6	
ANRITSU CORP.						3-93	

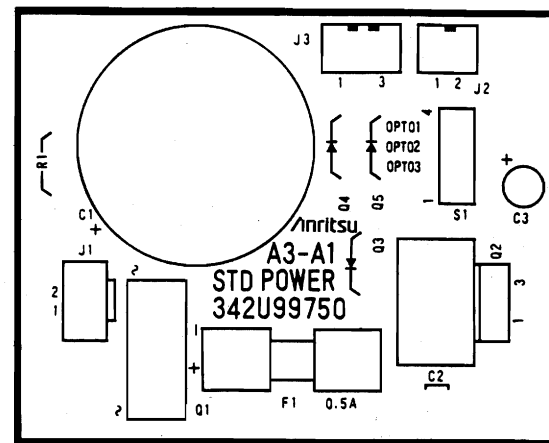
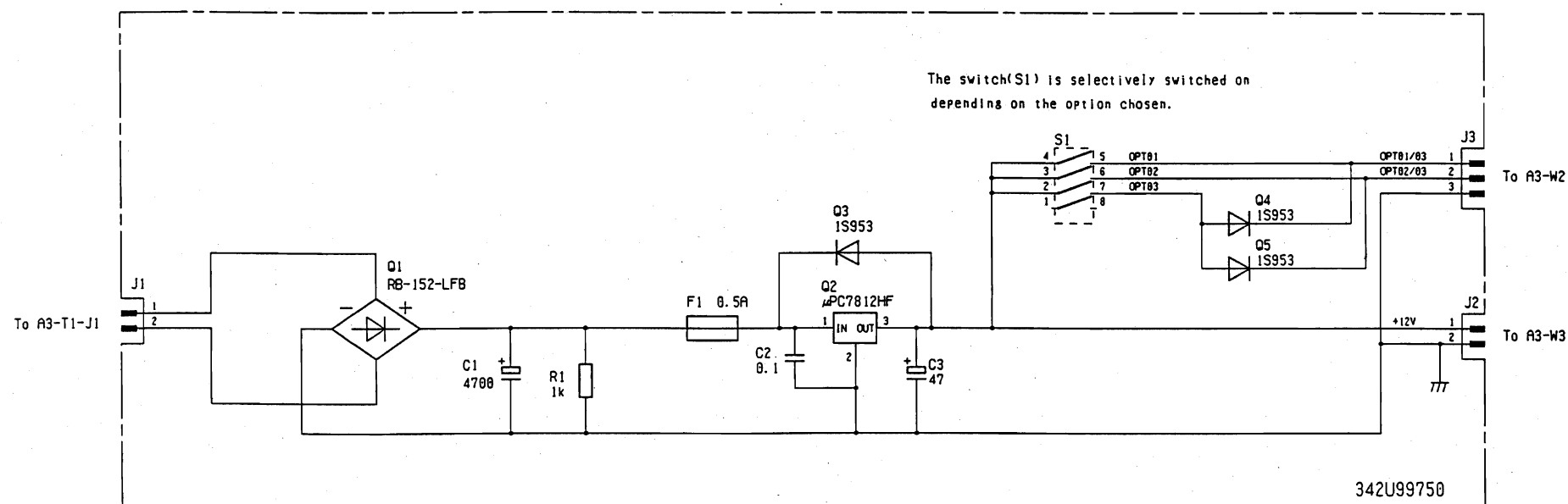


Fig. 3-33 A3-A1 STD POWER (Options 01 to 03) PC-Board Parts Layout **19**

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PARTS LIST 34W99505

QTY	ITEM	PART No.	DESCRIPTION	MATERIAL	FINISH
CHECKED BY		DRAWN BY ALICE		SCALE	
APPROVED BY <i>M. Hashiz</i>		DESIGNED BY J. Kinase		:	
TITLE A3-A1 STD POWER Circuit Diagram				DRAWING No. 33W32502	

19



ANRITSU CORP.

3-95

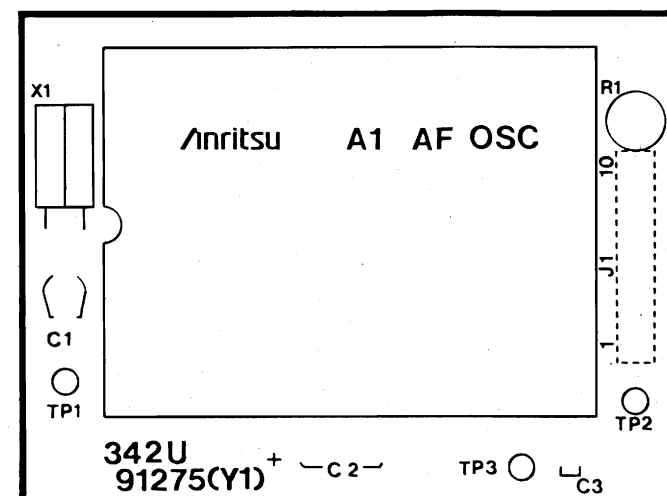


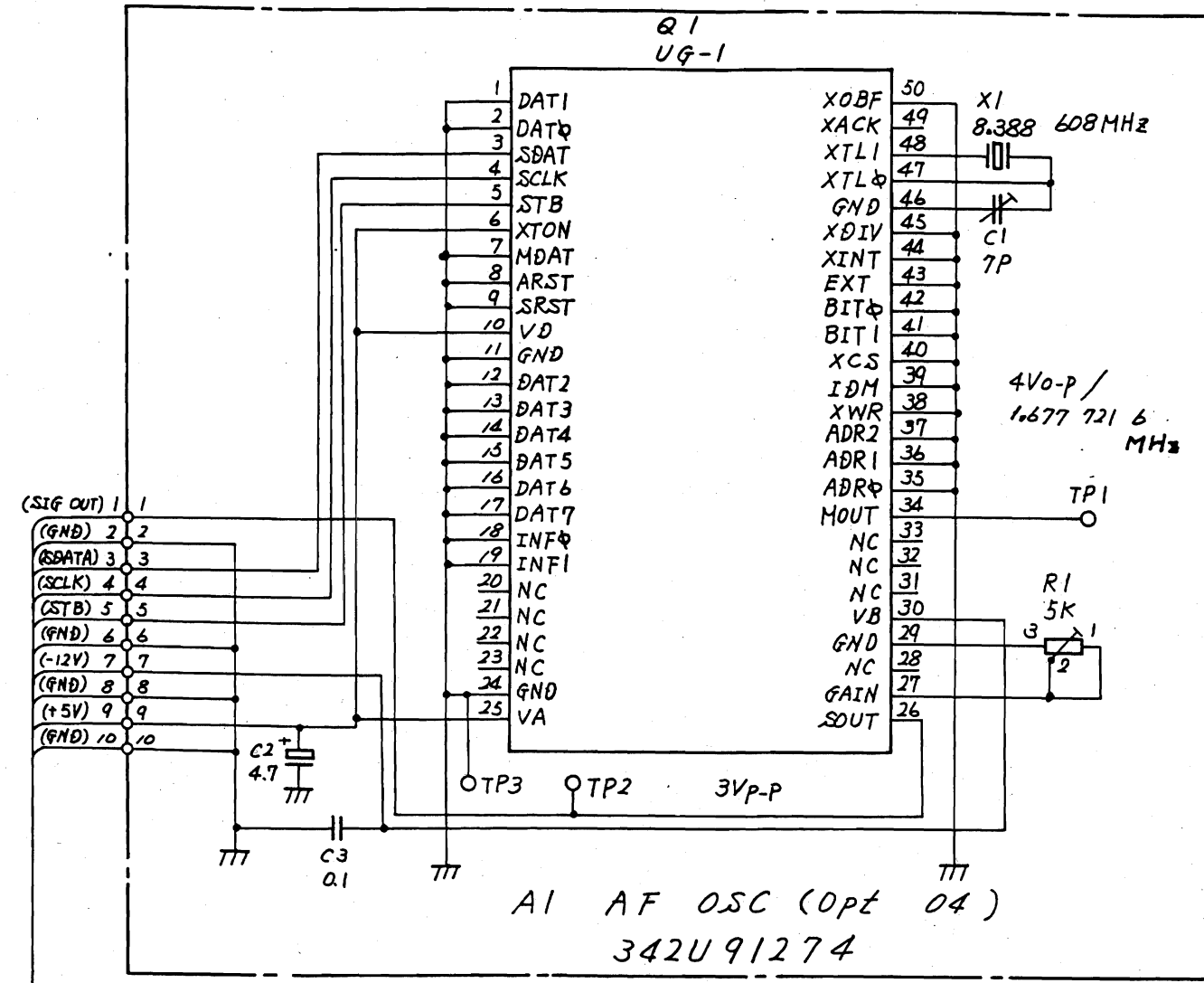
Fig. 3-34 A2-A12-A1 AF OSC (Option 04) PC-Board Parts Layout **20**




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Parts List 34W91051

						20
QTY	ITEM	PART No.	DESCRIPTION	MATERIAL	FINISH	
CHECKED BY		M. HASHIZU		TRACED BY	SCALE	
APPROVED BY		D. Wakakura		DRAWN BY		
		K. ISHIZUKA		:		
TITLE					DRAWING No.	
A2 - A12 - A1 AF OSC					33W28823	
Circuit Diagram (Opt. 04)					/1	
6						
						
ANRITSU CORP.						
3 - 97						

### 3.8 Special Functions for Maintenance

The special functions shown in the following table are provided for maintaining the MG3631A/MG3632A. The setting is executed in the same way as the other general special functions.

**Table 3-5 List of Special Functions for Maintenance**

Contents of special function	Code	
LED check	201	Used only for service personnel
ROM version display	231	
P-ATT No. of switchings display (25 dB-A)	241	
P-ATT No. of switchings display (25 dB-B)	242	
P-ATT No. of switchings display (25 dB-C)	243	
P-ATT No. of switchings display (25 dB-D)	244	
P-ATT No. of switchings display (20 dB)	245	
P-ATT No. of switchings display (10 dB)	246	
P-ATT No. of switchings display (5 dB)	247	
RPP No. of operations display	251	
* P-ATT Automatic switching	261	
P-ATT ALL OFF	262	
P-ATT 25 dB-A ON	263	
P-ATT 25 dB-B ON	264	
P-ATT 25 dB-C ON	265	
P-ATT 25 dB-D ON	266	
P-ATT 20 dB ON	267	
P-ATT 10 dB ON	268	
P-ATT 5 dB ON	269	
* Output level calibration: ON	271	
Output level calibration: OFF	272	
P-ATT Reset of the No. of switchings count	301	
RPP Reset of the No. of operations count	302	

\*: Special function set by initial setting

**Note:** RPP = Reverse Power Protector

### (1) LED check (SPECIAL 201)

All the LEDs on the panel excluding the STBY LED are lit for about 3 seconds by SPECIAL 201. The status before executing the LED check is recovered after the LEDs have lit.

Press [SHIFT] [0] [2] [0] [1]

### (2) ROM version display (SPECIAL 231)

The ROM version used in the MG3631A/MG3632A is displayed on the FREQUENCY display by SPECIAL 231.

Press [SHIFT] [0] [2] [3] [1]

↑  
Keep pressed

ROM 1.00

### (3) Display of number of P-ATT switchings (SPECIAL 241 to 247)

Displays the number of P-ATT switchings for every attenuator elements (25 dB A/B/C/D, 20 dB, 10 dB, and 5 dB) by SPECIAL 241 to 247.

- 25-dB step ATT-A: [SHIFT] [0] [2] [4] [1]

↑ ATT 1 1302

Keep pressed Displays the number of P-ATT switchings in the range of 0 to 99,999,999 times.

- 25-dB step ATT-B: [SHIFT] [0] [2] [4] [2]

↑ ATT 2 1981

Keep pressed Displays the number of P-ATT switchings in the range of 0 to 99,999,999 times.

- 25-dB step ATT-C: [SHIFT] [0] [2] [4] [3]

↑ ATT 3 4370

Keep pressed Displays the number of P-ATT switchings in the range of 0 to 99,999,999 times.

- 25-dB step ATT-D: [SHIFT] [0] [2] [4] [4]

↑ ATT 4 2149

Keep pressed Displays the number of P-ATT switchings in the range of 0 to 99,999,999 times.

- 20-dB step ATT: [SHIFT] [0] [2] [4] [5]



Keep pressed

Att 5 2317

Displays the number of P-ATT switchings in the range of 0 to 99,999,999 times.

- 10-dB step ATT: [SHIFT] [0] [2] [4] [6]



Keep pressed

Att 6 993

Displays the number of P-ATT switchings in the range of 0 to 99,999,999 times.

- 5-dB step ATT: [SHIFT] [0] [2] [4] [7]



Keep pressed

Att 7 7900

Displays the number of P-ATT switchings in the range of 0 to 99,999,999 times.

#### (4) Display of number of RPP operations (SPECIAL 251)

The number of times in which the RPP (Reverse Power Protector) circuit operates is displayed by SPECIAL 251.

- [SHIFT] [0] [2] [5] [1]



Keep pressed

r P P 2

Displays the number of times in which RPP operates in the range of 0 to 9,999 times.

#### (5) Setting P-ATT element individually (SPECIAL 261 to 269)

Each P-ATT attenuator element is set individually by SPECIAL 261 to 269.

- P-ATT automatic switching: [SPECIAL] [2] [6] [1]
- P-ATT All attenuators thru: [SPECIAL] [2] [6] [2]
- P-ATT 25-dB A Step attenuator ON: [SPECIAL] [2] [6] [3]
- P-ATT 25-dB B Step attenuator ON: [SPECIAL] [2] [6] [4]
- P-ATT 25-dB C Step attenuator ON: [SPECIAL] [2] [6] [5]
- P-ATT 25-dB D Step attenuator ON: [SPECIAL] [2] [6] [6]
- P-ATT 20-dB Step attenuator ON: [SPECIAL] [2] [6] [7]
- P-ATT 10-dB Step attenuator ON: [SPECIAL] [2] [6] [8]
- P-ATT 5-dB Step attenuator ON: [SPECIAL] [2] [6] [9]

## (6) Calibrating output level: ON/OFF (SPECIAL 271/272)

The output level calibration is set ON/OFF by SPECIAL 271/272.

- Output level calibration ON: [SHIFT] [0] [2] [7] [1]
- Output level calibration OFF: [SHIFT] [0] [2] [7] [2]

## (7) Resetting P-ATT number of switchings count (SPECIAL 301)

The number of P-ATT switchings count is returned to zero by SPECIAL 301.

The following message is displayed when the [SHIFT] [0] [3] [0] [1] keys are pressed.

Key operation

FREQUENCY display

[SHIFT] [0] [3] [0] [1]

A count 0 7

When this message is displayed, the number of P-ATT switchings count is returned to 0 when [3] [0] [1] is pressed again.

If keys other than [3] [0] [1] are pressed, the count is not reset and the previous status is recovered.

## (8) Resetting of RPP operations count (SPECIAL 302)

The number of RPP operations count is returned to zero by SPECIAL 302.

The following message is displayed when the [SHIFT] [0] [3] [0] [2] keys are pressed.

Key operation

FREQUENCY display

[SHIFT] [0] [3] [0] [2]

r count 0 7

When this message is displayed, the number of RPP operations count is returned to 0 when [3] [0] [2] is pressed again.

If keys other than [3] [0] [2] are pressed, the count is not reset and the previous status is recovered.

## **SECTION 4 ADJUSTMENT**

### **4.1 Introduction**

This section explains overall adjustment after troubleshooting is completed.

Perform overall adjustment in accordance with adjustment flowchart. First, prepare the equipment required for adjustment, as described in paragraph 4.2.

Except as indicated, adjustments should be made after connector is disconnected and reconnected in the proper position.

## 4.2 Measuring Equipment Required for Adjustment

Table 4-1 lists the equipment required for overall adjustment.

**Table 4-1 Measuring Equipment Required for Adjustment**

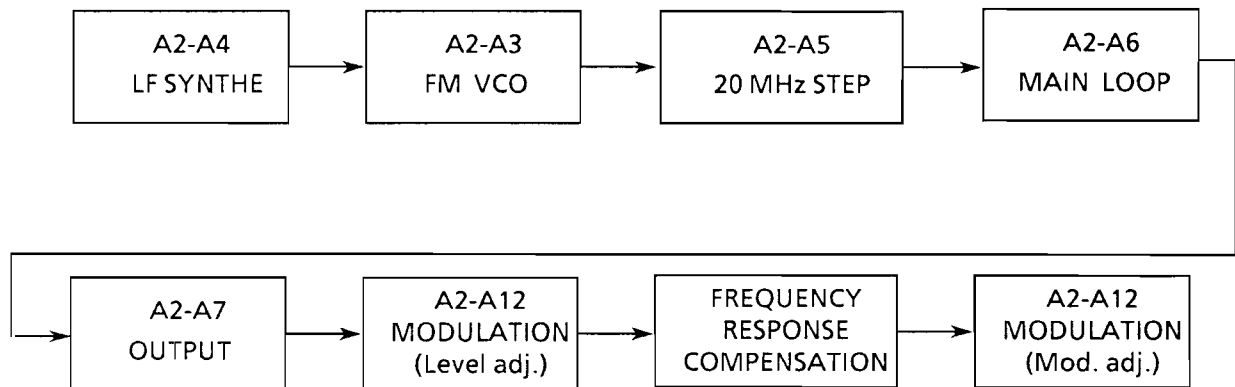
Equipment (Anritsu)	Major Performance
Frequency counter (MF1603A)	10 Hz to 2.08 GHz
Spectrum analyzer (MS612A)	100 kHz to 2.08 GHz
DC voltmeter	– 15 to + 24 V
Oscilloscope	Up to 200 MHz
Power meter (ML4803A, MA4601A)	100 kHz to 2.08 GHz – 20 to + 20 dBm
Modulation analyzer (MS616B)	100 KHz to 2.08 GHz AM 90%, FM 200 kHz
AF oscillator	10 Hz to 100 kHz 2 V <sub>p-p</sub> /600 $\Omega$
10 dB PAD (MP721C)	DC to 2.08 GHz
Personal Computer (PACKET V)	
Frequency-Response Compensation Software	

## 4.3 Adjustment

### 4.3.1 Outline

Adjustment is performed in accordance with the sequence shown in Fig. 4-1.

If this sequence is not followed; previously adjusted items will be affected, therefore resulting in misadjustment.



**Fig. 4-1 Adjustment Sequence**



4.3.2 A2-A4 LF SYNTH **9**

## (1) Adjustment

Item	Location	Step	Procedure
64 to 80 MHz VCO	L6	1	Set the frequency to 520.00999 MHz.
		2	Adjust L6 so that the E1 voltage becomes +1.0 V.
		3	Confirm that the frequency at Q11-13 pin is 79.984 MHz.
		4	Set the frequency to 520.000 00 MHz.
		5	Confirm that the E1 voltage is -4.5 V and the frequency at Q11-13 pin is 64.000 MHz.
40 to 60 MHz VCO	L17	6	Set the frequency to 524.999 MHz.
		7	Adjust L17 so that the E2 voltage becomes +4.0 V.
		8	Confirm that the frequency at Q42-4 pin is 59.996 MHz.
		9	Set the frequency to 520.000 MHz.
		10	Confirm that the E2 voltage is -4.3 V and the frequency at Q42-4 pin is 40.000 MHz.
60 to 80 MHz VCO	L19	11	Set the frequency to 530.000 MHz.
		12	Adjust L19 so that the E2 voltage becomes +6.0 V.
		13	Confirm that the frequency at Q42-4 pin is 80.000 MHz.
		14	Set the frequency to 525.000 MHz.
		15	Confirm that the E2 voltage is -1.2 V and the frequency at Q42-4 pin is 60.000 MHz.

## (2) Adjustment location

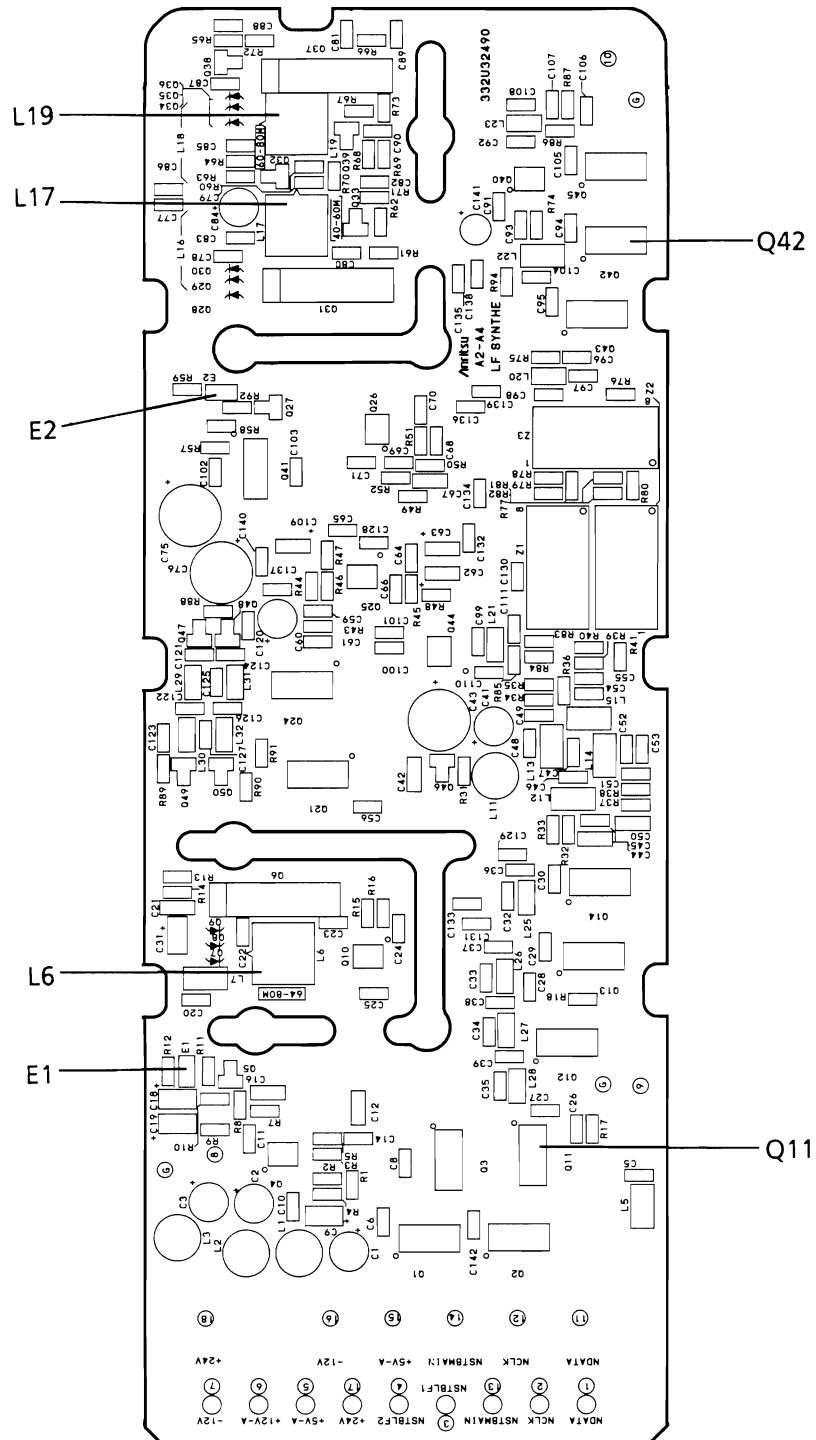


Fig. 4-2 A2-A4 LF SYNTH Adjustment Location

4.3.3 A2-A3 FM VCO **8**

## (1) Adjustment

Item	Location	Step	Procedure
FM VCO	R36	1	Set R36 adjuster to the center position.
		2	Set as follows: Frequency → 1040 MHz FM deviation → 0 kHz SOURCE → EXT COUPLE → DC
	R37	3	Adjust R37 so that the E1 voltage becomes $-8.70$ V.
	L5	4	Tighten the FM VCO shield cover.
		5	Adjust L5 so that the RF OUTPUT frequency difference is within $\pm 1$ kHz while switching the COUPLE to AC and DC.

## (2) Adjustment location

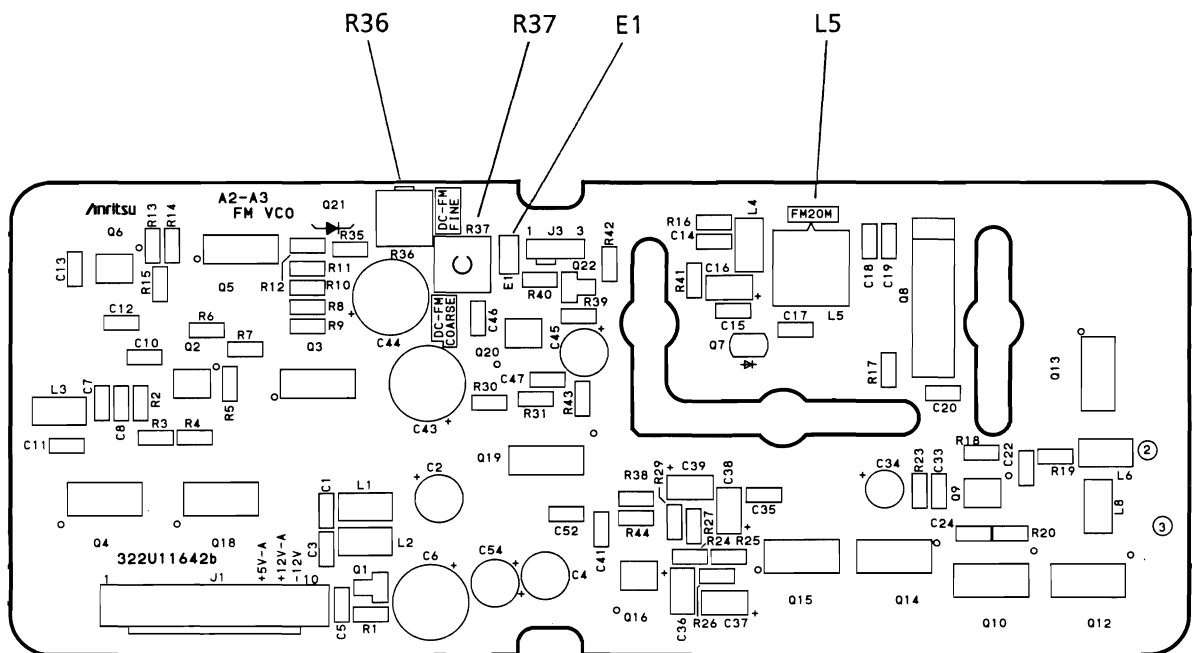


Fig. 4-3 A2-A3 FM VCO Adjustment Location

4.3.4 A2-A5 20 MHz STEP **10**

## (1) Adjustment

Item	Location	Step	Procedure
120 MHz BPF	Z7	1	Adjust Z7 so that the E2 level becomes maximum.
	Z11	2	Adjust Z11 so that the E3 level becomes maximum.
	Z16	3	Adjust Z16 so that the E4 level becomes maximum.
110 MHz BPF	Z32	4	Adjust Z32 so that the E5 level becomes maximum.
	Z37	5	Adjust Z37 so that the E6 level becomes maximum.
720 MHz BPF		6	Set the frequency to 520 MHz.
	Z22	7	Adjust Z22 so that the level at the C154 input side becomes maximum.
840 MHz BPF		8	Set the frequency to 1040 MHz.
	Z21	9	Adjust Z21 so that the level at the C154 input side becomes maximum.

## (2) Adjustment location

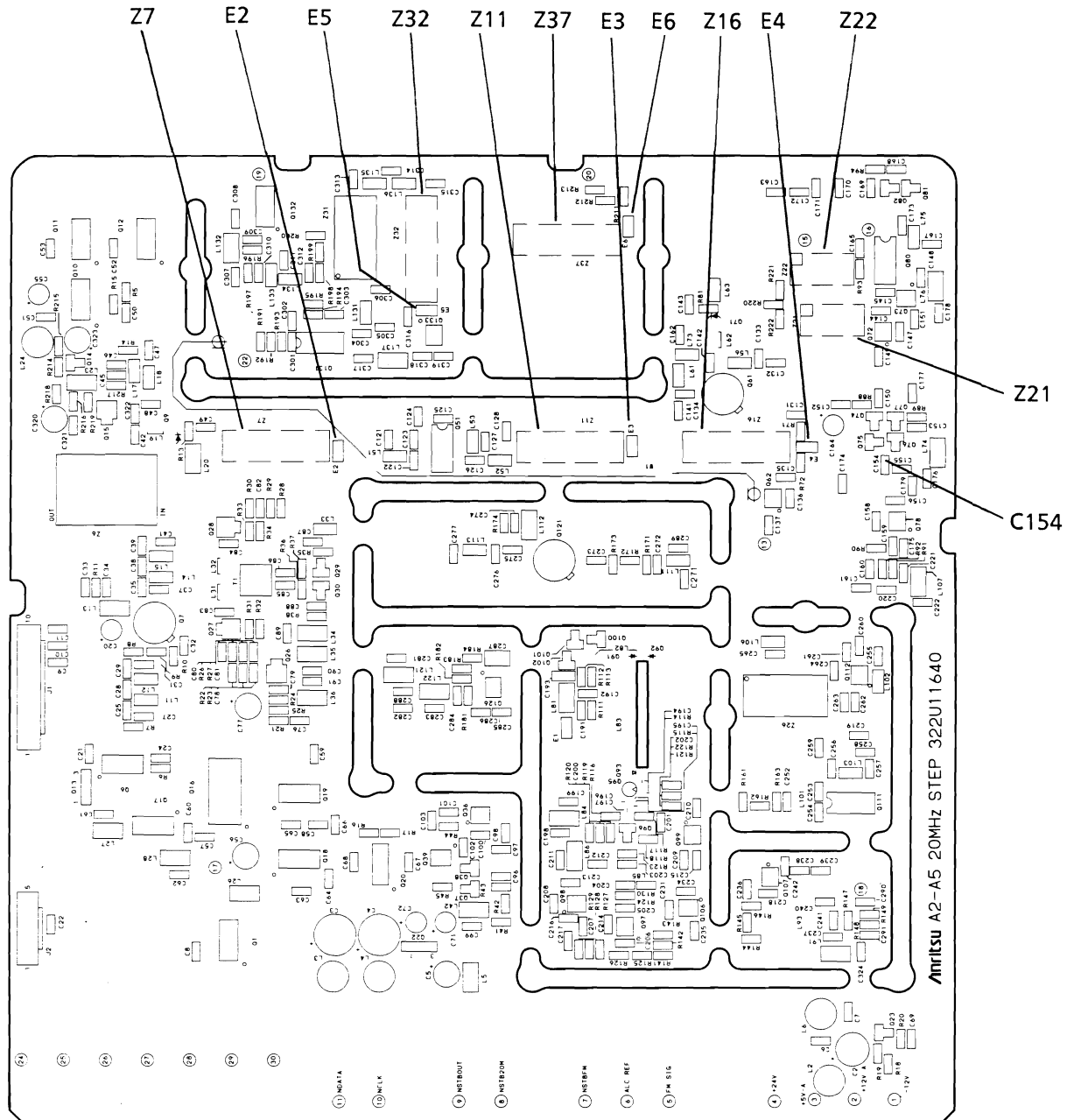


Fig. 4-4 A2-A5 20 MHz STEP Adjustment Location

#### 4.3.5 A2-A6 MAIN LOOP **11**

##### (1) Adjustment

Item	Location	Procedure
110 MHz BPF	Z4	Adjust Z4 so that the E2 level becomes maximum.

## (2) Adjustment location

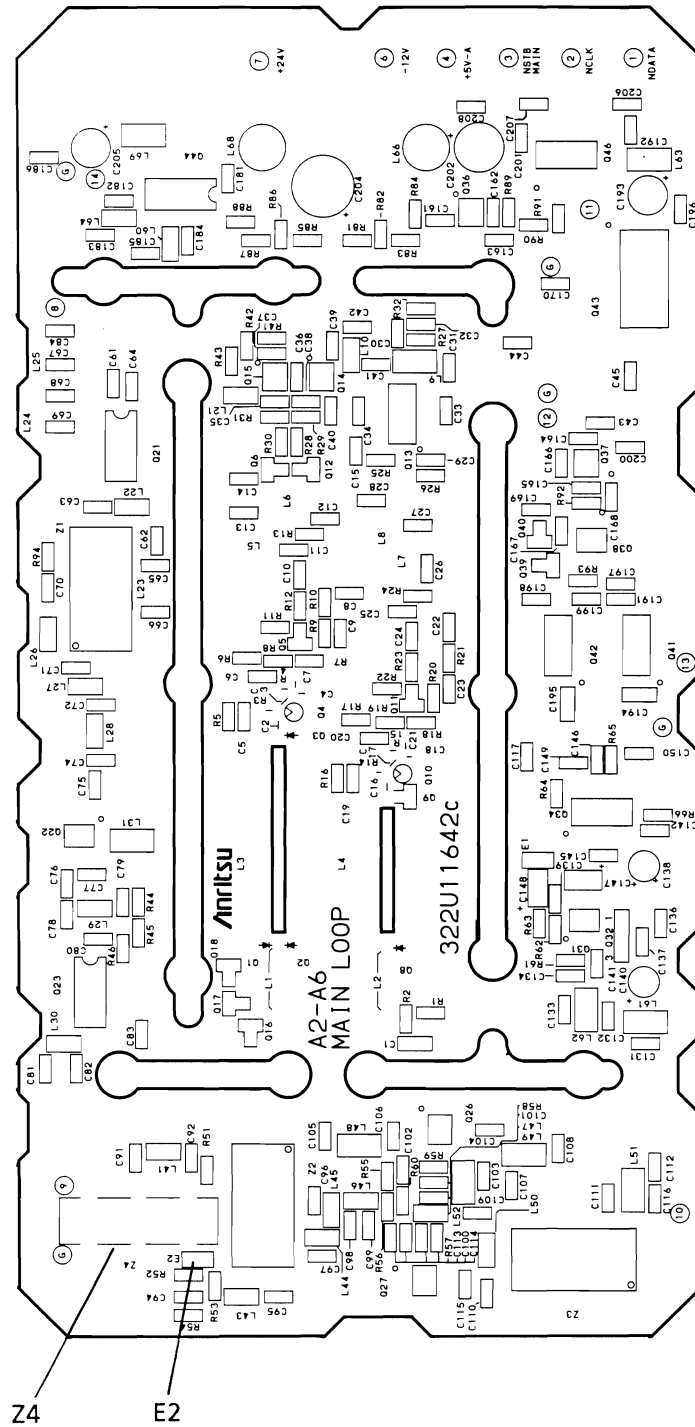


Fig. 4-5 A2-A6 MAIN LOOP Adjustment Location



4.3.6 A2-A7 OUTPUT **12**

## (1) Adjustment

Item	Location	Step	Procedure
720 MHz BPF	Z2	1	Set the frequency to 10 MHz.
		2	Adjust Z2 so that the level at the cathode side of Q53 becomes maximum.
	Z3	3	Adjust Z3 so that the level at the C70 input side becomes maximum.
Detector offset	R263	4	Set the frequency to 0 Hz.
		5	Adjust R263 so that the J2 voltage becomes 0.000 V.

## (2) Adjustment location

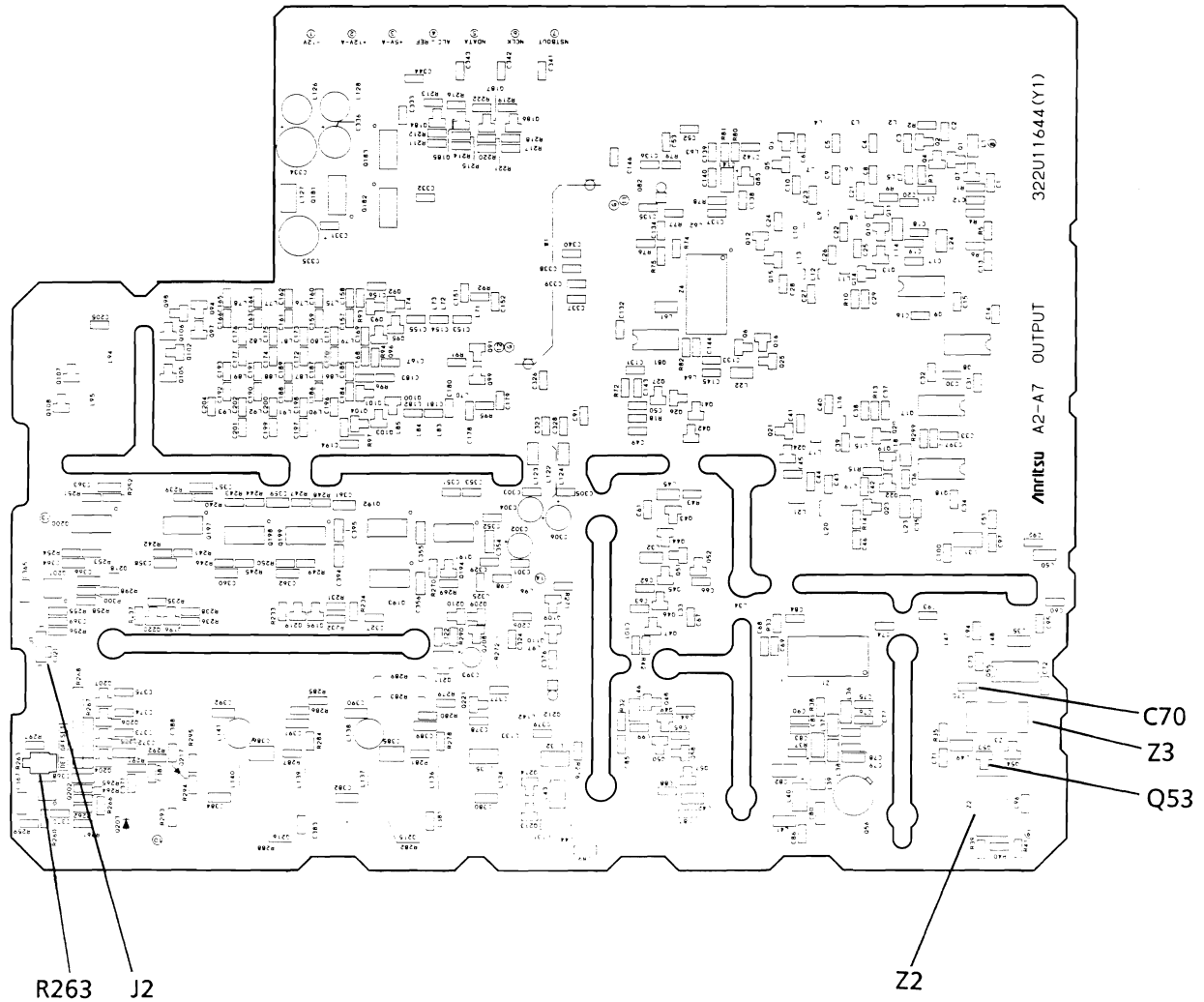


Fig. 4-6 A2-A7 OUTPUT Adjustment Location

4.3.7 A2-A12 MODULATION **14** (Level adj.)

## (1) Adjustment

Item	Location	Step	Procedure
Output level	R98	1	Set the frequency to 100 MHz, the output level to +13 dBm, and the output level continuous variable mode to CONTINUOUS ON.
		2	Set the output level calibration to OFF by pressing [SHIFT][0][2][7][2].
		3	Adjust R98 so that the output level becomes +13.00 dBm.
		4	Set the output level to -13 dBm with the rotary knob.
	R96	5	Adjust R96 so that the output level becomes -13.00 dBm.
		6	Repeat the adjustments in steps 3 to 5 above until both +13 dBm at step 3 and -13 dBm at step 5 are obtained simultaneously.

## (2) Adjustment location

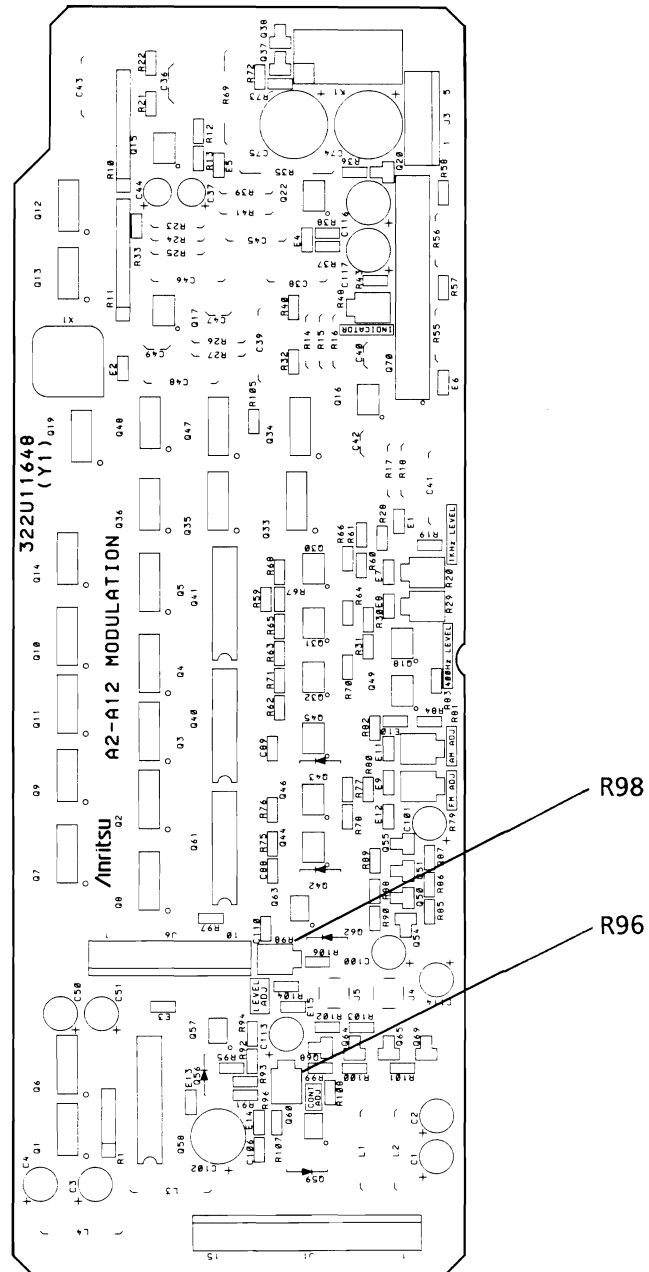


Fig. 4-7 A2-A12 MODULATION Adjustment Location  
(for Level Adj.)

#### 4.3.8 Frequency-response compensation

##### (1) Adjustment

Step	Procedure
1	Set up the MG3631A/MG3632A, ML4803A, MA4601A and PACKET V as shown in Fig. 4-8.
2	Set the MG3631A/MG3632A output level calibration to ON by pressing [SHIFT] [0] [2] [7] [1].
3	Load and execute the frequency-response compensation program at the PACKET V.
4	Input the sensor calibration factor according to the screen instructions, calibrate the sensor, and calibrate the MG3631A/MG3632A frequency response (automatical calibration).

**Note:** The steps 3 and 4 are performed by Anritsu service personnels.

## (2) Setup

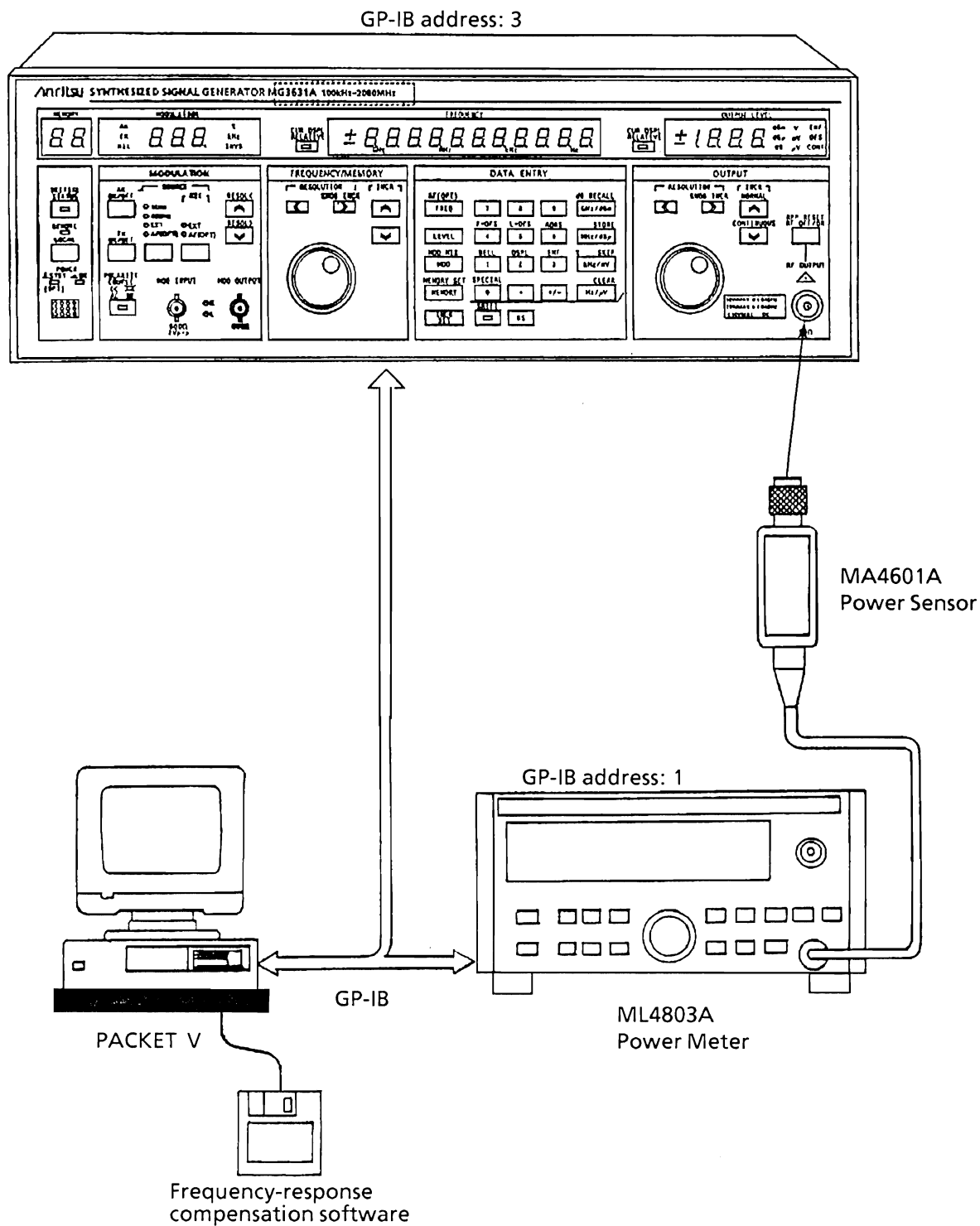


Fig. 4-8 Setup for MG3631A/MG3632A Frequency-Response Compensation

4.3.9 A2-A12 MODULATION **14** (Mod. adj.)

## (1) Adjustment

Item	Location	Step	Procedure
EXT level indicator		1	Set as follows: Frequency → 520 MHz Output level → +7 dBm FM deviation → 200 kHz SOURCE → EXT COUPLE → AC
		2	Input a 1 kHz, 2 Vp-p/600 $\Omega$ signal to the panel MOD INPUT connector.
		3	Adjust R48 so that the panel H and L lamps are turned off.
FM deviation	R79	4	Adjust R79 so that the FM deviation becomes 200 kHz (at 0.3 to 3 kHz demodulation bandwidth).
	R20	5	Set SOURCE to 1 kHz and adjust R20 so that the FM deviation becomes 200 kHz (at 0.3 to 3 kHz demodulation bandwidth).
	R29	6	Set SOURCE to 400 Hz and adjust R29 so that the FM deviation becomes 200 kHz (at 0.05 to 3 kHz demodulation bandwidth).
	OPT 04 A2-A12-A1-R1	7	Set SOURCE to AF and the AF frequency to 1 kHz. Adjust A2-A12-A1-R1 of the AF oscillator so that the FM deviation becomes 200 kHz (at 0.3 to 3 kHz demodulation bandwidth). (Only when OPT 04 installed.)
AM depth		8	Set the AM depth to 90% and SOURCE to 1 kHz.
	R81	9	Adjust R81 so that the AM depth becomes 90% (at 0.3 to 3 kHz demodulation bandwidth).

## (2) Adjustment location

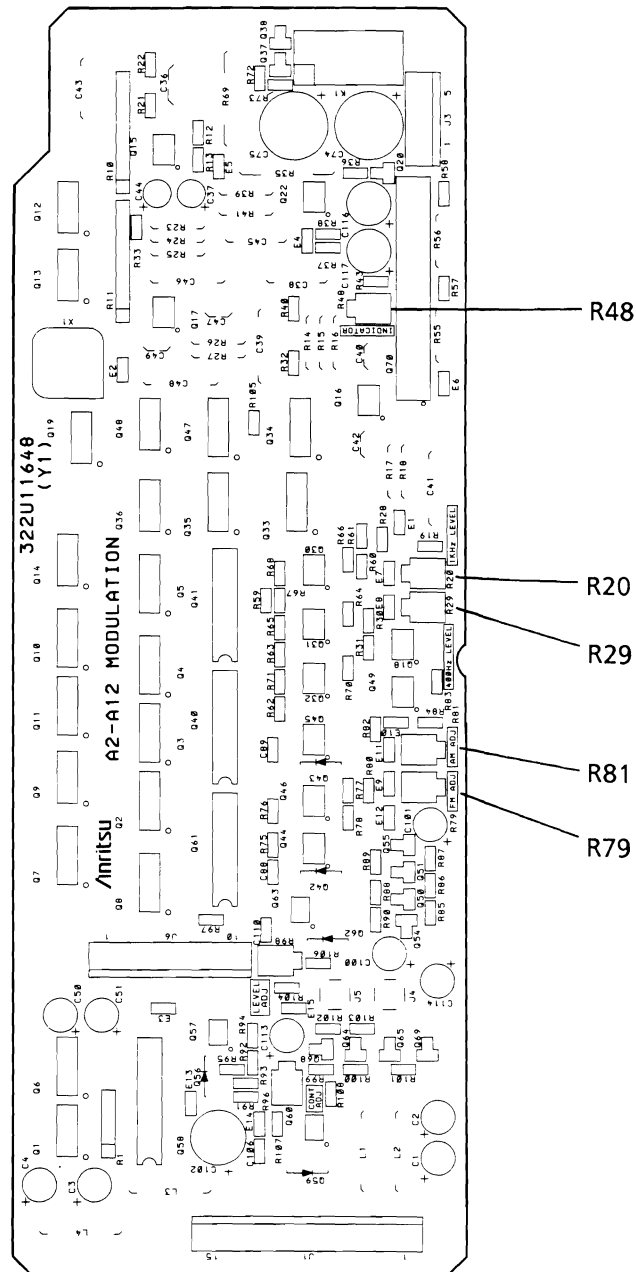


Fig. 4-9 A2-A12 MODULATION Adjustment Location (for Mod. Adj.)



## **SECTION 5**

### **MECHANICAL CONFIGURATION**

Table 5-1 lists the mechanical parts corresponding to Figs. 5-1 to 5-4, which show the disassembly and layout of the MG3631A/MG3632A.

**Table 5-1 MG3631A/MG3632A Mechanical Parts List**

(See Fig. 5-1.)

No.	Parts No.	Description	Remarks	Qty.
①	322B11756	Cover		1
②	34Y100008A	Unit, Option	Option 01	1
③	34Y100008B	Unit, Option	Option 02	1
④	34Y100008C	Unit, Option	Option 03	1
⑤	32B7674F	Handle, Front	3U	2
⑥	34B73660G	Tape, Trim	3U	2
⑦	349B73661K	Handle, Side	450D	2
⑧	343H99895	Foot, Stand		4
⑨	34B73672B	Protector		4
⑧①	4BPS8S3 + WB	Screw		2
⑧①	4BPS8S3 + WB	Screw		2
⑧②	3BPS8S3 + WB	Screw		2
⑧③	3BPS8S3	Screw		4
⑧④	4NPS14S7 + SW + WBS	Screw		8
⑧⑤	5FPS16S7	Screw		2
⑧⑥	5FPS10S7	Screw		2
⑧⑦	3NPS10B3 + SW	Screw		4
⑧⑧	3HRPS6S3	Screw		2
⑧⑨	3FPS8B3	Screw		4
⑨①	3NPS8B3 + SW + WB	Screw		4
⑨①	5FPS12S7	Screw		4

Table 5-1 MG3631A/MG3632A Mechanical Parts List (Cont'd)

(See Fig. 5-2.)

No.	Parts No.	Description	Remarks	Qty.
(11)	332B32650	Cover		1
(12)	33B32651	Cover		1
(13)	33B32653	Cover		1
(14)	33B32654	Cover		1
(15)	33B32652	Cover		1
(16)	34B99905A	Spring		1
(17)	34B99905B	Spring		1
(18)				
(19)				
(20)				
A2-A2	34Y99323	A2-A2 REFERENCE PC board		1
A2-A3	34Y99324	A2-A3 FM VCO PC board		1
A2-A4	34Y99325	A2-A4 LF SYNTH PC board		1
A2-A5	34Y99326	A2-A5 20 MHz STEP PC board		1
A2-A13	34Y99333	A2-A13 POWER SUPPLY PC board		1
(100)	3NPS6B3 + SW	Screw		12
(101)	3FPS6B3	Screw		2
(102)	2.6NPS4B3 + SW	Screw		8
(103)	2.6NPS4B3 + SW	Screw		32
(104)	2.6NPS4B3 + SW	Screw		18
(105)	2NPS4B3 + SW	Screw		8

### Tale 5-1 MG3631A/MG3632A Mechanical Parts List (Cont'd)

(See Fig. 5-3.)

No.	Parts No.	Description	Remarks	Qty.
②1	33B32646	Cover		1
②2	33B32648	Cover		1
②3	332B32645	Cover		1
②4	33B32637	Cover		1
②5	33B32638	Cover		1
②6	342B99900	Cover, Fan		1
②7	339H32538	ATT		1
②8				
②9				
③0				
A2-A1	34Y99322	A2-A1 BUFFER PC board		1
A2-A6	34Y99327	A2-A6 MAIN LOOP PC board		1
A2-A7	34Y99328	A2-A7 OUTPUT PC board		1
A2-A10	34Y99330	A2-A10 ATT DRIVE PC board		1
A2-A12	34Y99332	A2-A12 MODULATION PC board		1
A2-A14	34Y99614	A2-A14 CPU PC board		1
A2-A15	34Y99615	A2-A15 INTERFACE PC board		1
①10	3NPS6B3 + SW	Screw		22
①11	3FPS6B3	Screw		7
①12	2.6NPS6B3 + SW	Screw		6
①13	2.6NPS6B3 + SW	Screw		9
①14	2.6FPS6B3 + SW	Screw		3
①15	2.6NPS4B3 + SW	Screw		24
①16	2.6NPS4B3 + SW	Screw		30

Table 5-1 MG3631A/MG3632A Mechanical Parts List (Cont'd)

(See Fig. 5-4.)

No.	Parts No.	Description	Remarks	Qty.
③①	322B11752A/B	Panel, front	A: MG3631A B: MG3632A	1
③②	322B11738	Panel, sub		1
③③	342E99860	Display panel		1
③④	332E32968	Display panel		1
③⑤	W42E7179	Knob		2
③⑥	34B78330B	Panel clamp		3
③⑦	34B78330C	Panel clamp		3
③⑧	34H39505A	Supporter		12
③⑨	34H39511A	Supporter		12
④①	342E93472	Button		1
④②	342E91905	Button		3
④③	34E91902	Button		6
④④	342E91903A	Button		1
④⑤	342E91903D	Button		1
④⑥	342E99853	Button	0	1
④⑦	342E99853	Button	1	1
④⑧	342E99853	Button	2	1
④⑨	342E99853	Button	3	1
⑤①	342E99853	Button	4	1
⑤②	342E99853	Button	5	1
⑤③	342E99853	Button	6	1
⑤④	342E99853	Button	7	1
⑤⑤	342E99853	Button	8	1
⑤⑥	342E99853	Button	9	1
⑤⑦	342E99853	Button	.	1
⑤⑧	342E99853	Button	+/-	1

**Table 5-1 MG3631A/MG3632A Mechanical Parts List (Cont'd)**

(See Fig. 5-4.)

No.	Parts No.	Description	Remarks	Qty.
57	342E99853	Button	BS	1
58	342E99853	Button	⋈	3
59	342E99853	Button	⋊	3
60	342E99854	Button	MEMORY	1
61	342E99854	Button	MOD	1
62	342E99854	Button	LEVEL	1
63	342E99854	Button	FREQ	1
64	342E99854	Button	GHz/dBm	1
65	342E99854	Button	MHz/dB $\mu$	1
66	342E99854	Button	kHz/mV	1
67	342E99854	Button	Hz/ $\mu$ V	1
68	342E99855	Button	⋈	2
69	342E99855	Button	⋊	2
70	342E100017	Button	INCR SET	1
71	342B85523B	Color screw		4
A1-A1	34Y99316	A1-A1 PANEL 1 PC board		1
A1-A2	34Y99317	A1-A2 PANEL 2 PC board		1
72	442H8983B	Spring		1
73	442H8983D	Spring		1
120	3FPS10B3	Screw		6
121	3NPS6B3 + SW + WB	Screw		12

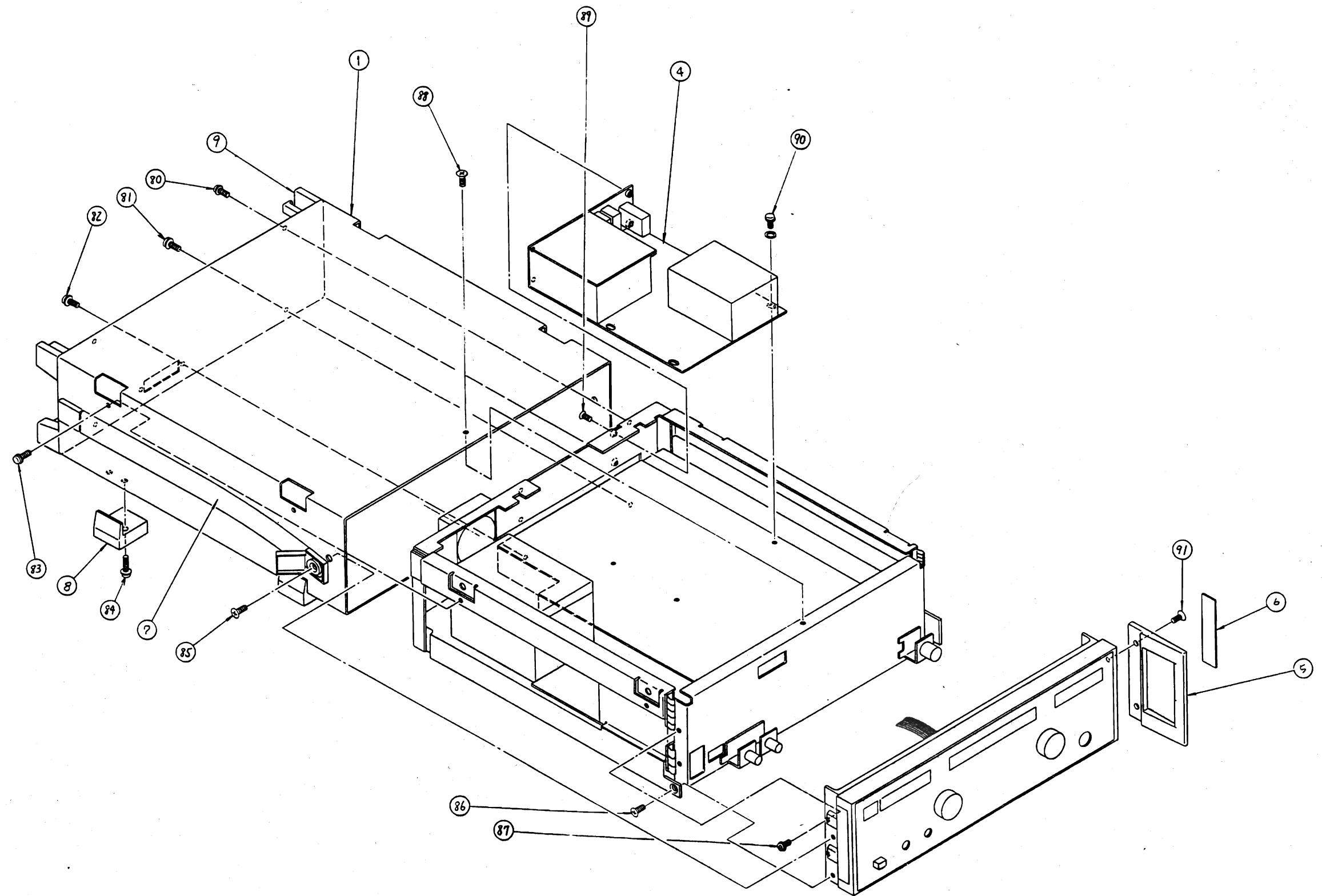


Fig. 5-1 Chassis Assembly

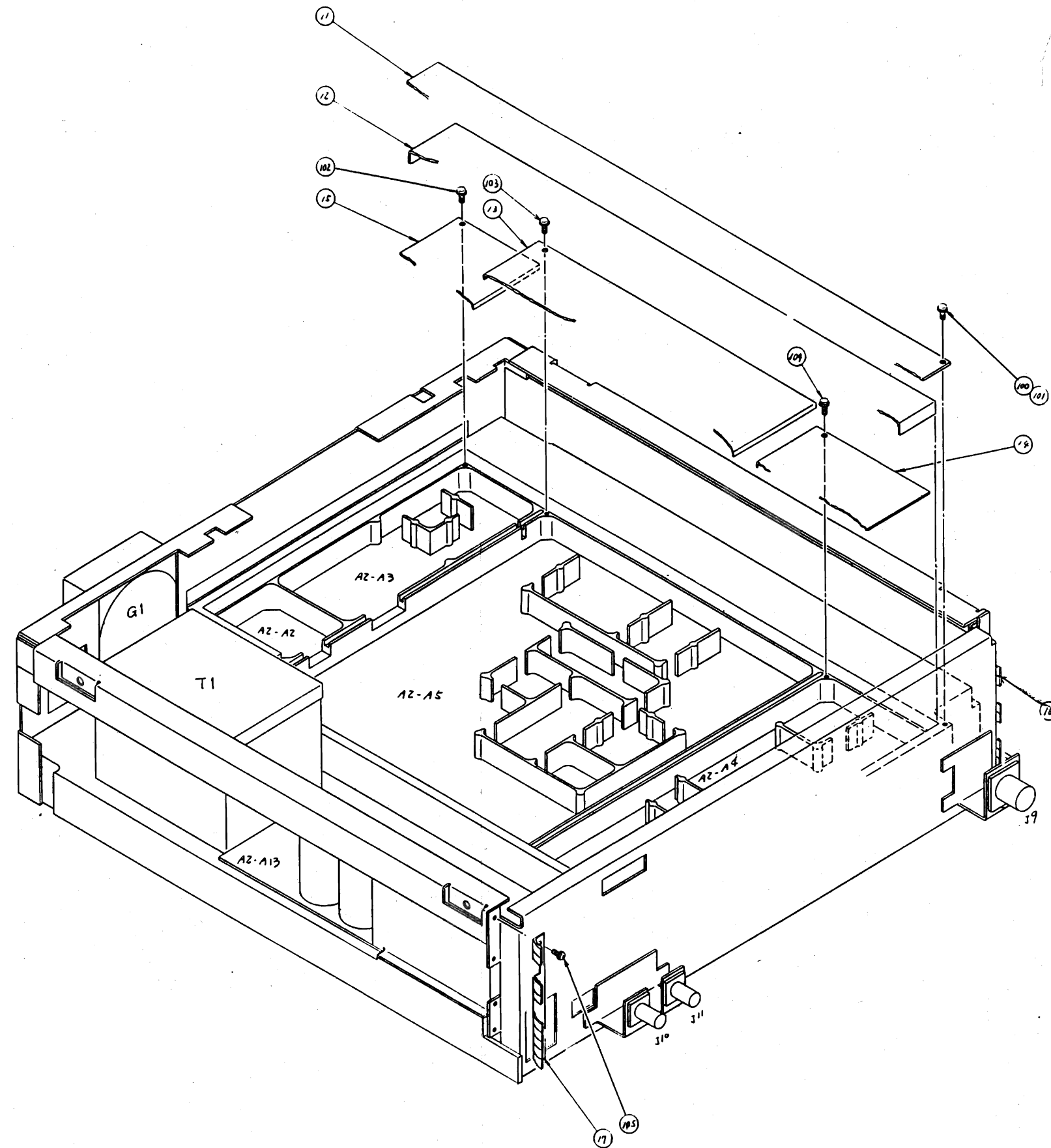


Fig. 5-2 Top-Side Assembly



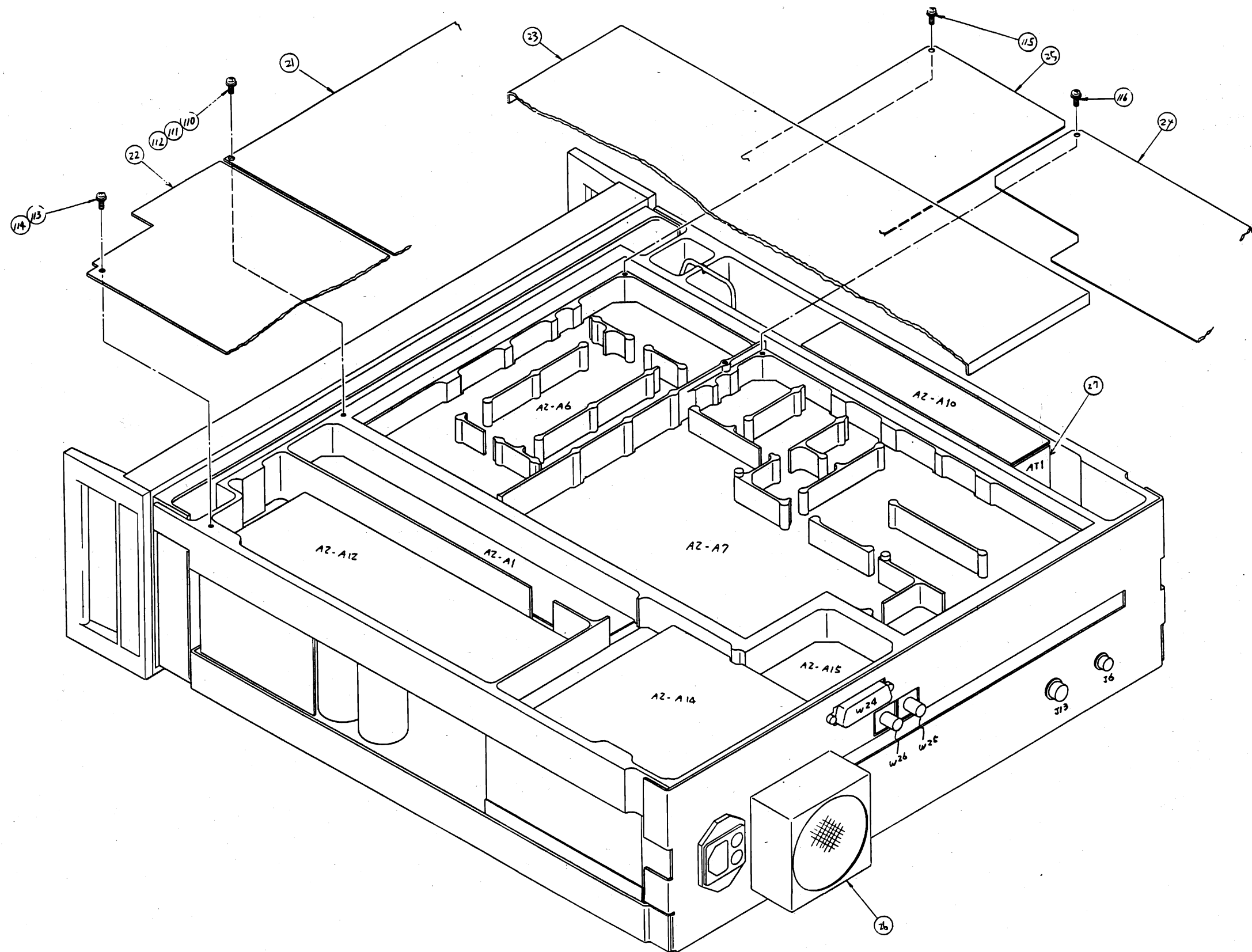


Fig. 5-3 Bottom-Side Assembly

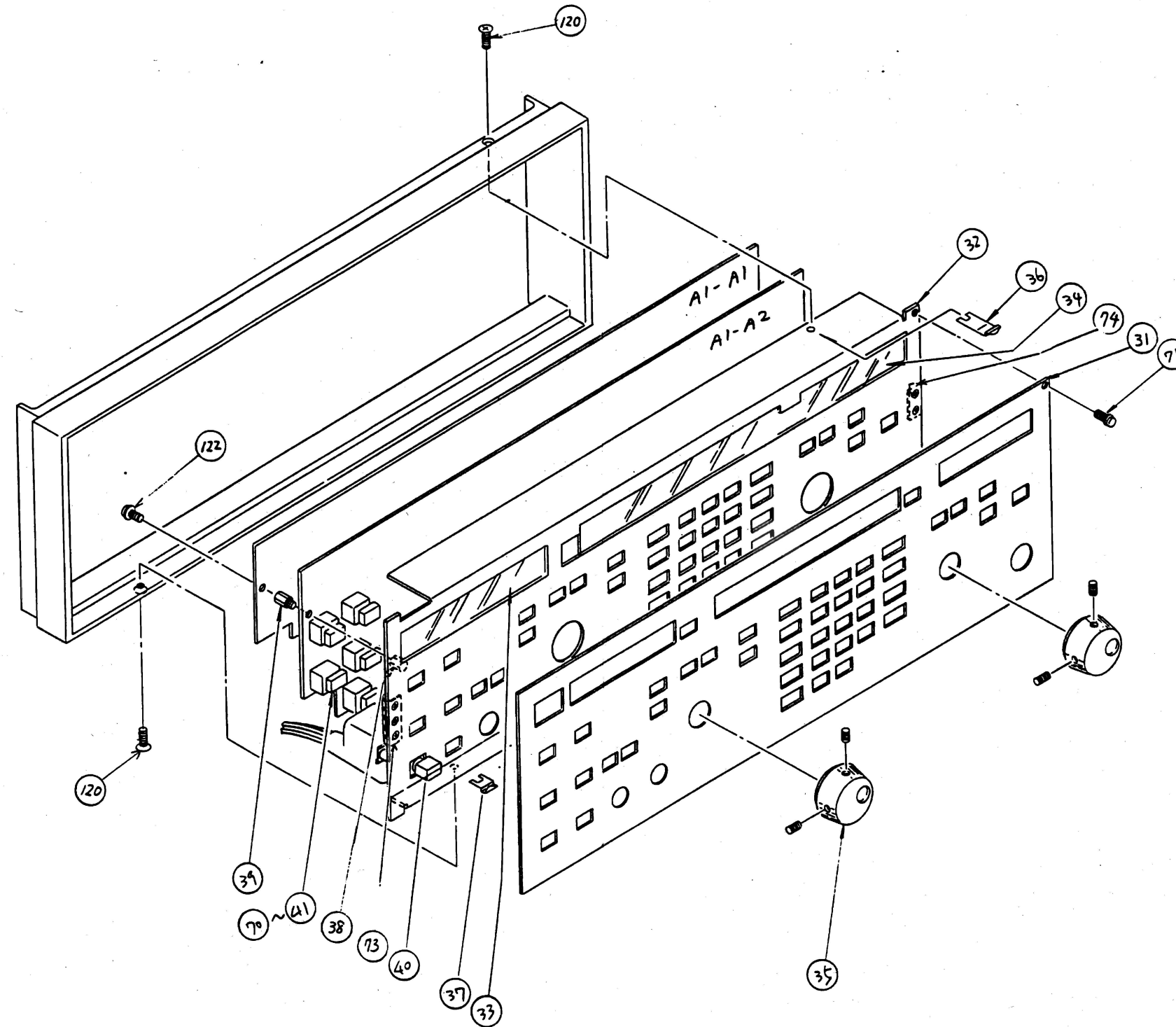


Fig. 5-4 Front-Panel Assembly

## **SECTION 6**

### **REPLACEABLE PARTS**

#### **6.1 Introduction**

This section contains information for ordering replaceable parts or components. The following is a list of abbreviations for circuit components (hereinafter referred to by Ref. No.) and abbreviations used for items in the Parts Lists.

## (1) Abbreviations for circuit components

A	Assembly	J	Jack, plug, connector	P	Lamp	T	Trasnformer
AT	Attenuator	K	Relay	Q	Transistor, diode, IC, rectifier	V	Neon lamp, vacuum tube
C	Capacitor	L	Coil, microinductor	R	Resistor	X	Crystal OSC
F	Fuse	M	Meter, timer	S	Switch	Z	Unit

## (2) Abbreviations

AC	alternating current	LCD	liquid crystal display
A/D	analog-to-digital	LED	light-emitting diode
ADJ	adjuster	LF	low frequency
AL	aluminum	LPF	low-pass filter
BEF	band-elimination filter	LSI	large scale integrated circuit
BIDIR	bidirectional	MDL	module
BPF	band-pass filter	NI-CD	Nickel Cadmium
CAP	capacitor	OPNL	operational
CER	ceramic	OSC	oscillator
CMOS	complementary metal oxide semiconductor	PDIO	photo diode
CONST	constant	PROM	programmable read only memory
D/A	digital-to-analog	PSU	power supply unit
DC	direct current	PUJT	programmable unijunction transistor
DIP	dual in-line package	RAM	random access memory
DIR	directional	REAC	reactance
DRAM	dynamic random access memory	RECT	rectangular
EEPROM	electrically erasable programmable read only memory	RES	resistor
ELECTLT	electrolytic	RF	radio frequency
EPROM	erasable programmable read only memory	SRAM	static random access memory
FET	field-effect transistor	TA	tantalum
F/V	frequency-to-voltage	VAR	variable
GEN	generator	VARICAP	variable capacitor
HPF	high-pass filter	VCO	voltage controlled oscillator
IC	integrated circuit	YIG	Yttrium Iron Garnet
IF	intermediate frequency		

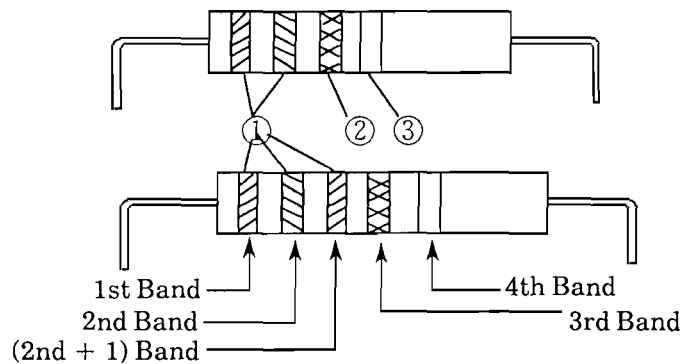
## 6.2 Order Procedure

When ordering parts, please give the following descriptions by referring to the Parts List.

Item	Example
(1) Name of Instrument	Synthesized Signal Generator MG3632A
(2) Name of Parts List	Parts List of: A2-A10 ATT DRIVE
(3) Ref. No.	Q4
(4) Part Code (or part name)	$\mu$ PA2982C <b>Note:</b> Part name is given in the Parts List Description column. When ordering a part or parts with an asterisk, the exact specifications are required.
(5) Quantity	1
(6) Serial No. of Instrument	M31257

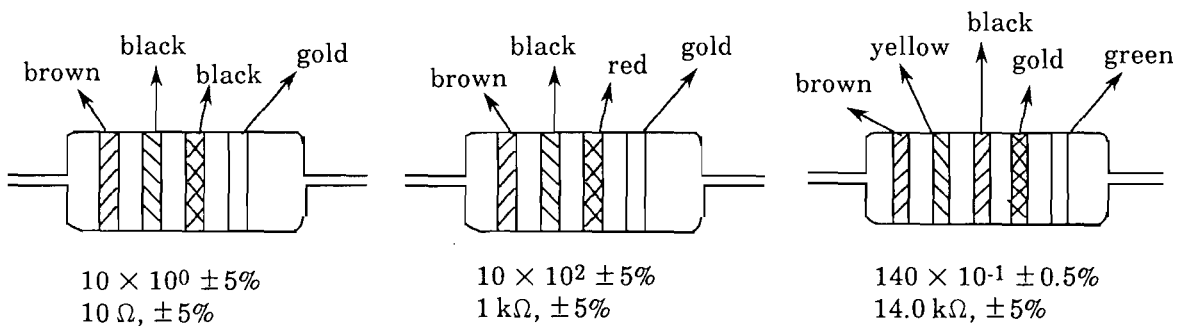
## 6.3 Reading Capacitance and Resistance

### (1) Reading resistance

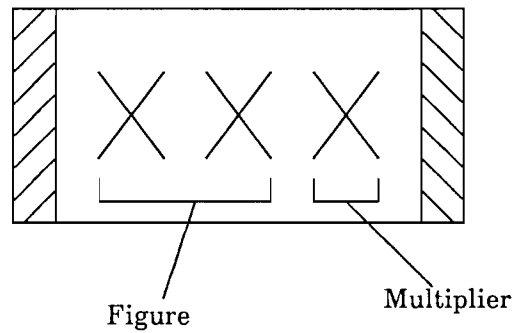


Color	①		②	③
	1st	2nd	3rd	4th
Black	0	0	$\times 10^0$	-
Brown	1	1	$\times 10^1$	-
Red	2	2	$\times 10^2$	-
Orange	3	3	$\times 10^3$	-
Yellow	4	4	$\times 10^4$	-
Green	5	5	$\times 10^5$	$\pm 0.5\%$
Blue	6	6	$\times 10^6$	-
Purple	7	7	$\times 10^7$	-
Gray	8	8	$\times 10^8$	-
White	9	9	$\times 10^0$	-
Gold	-	-	$\times 10^{-1}$	$\pm 5\%$
Silver	-	-	$\times 10^{-2}$	$\pm 10\%$
-----	-	-		$\pm 20\%$

For Example:



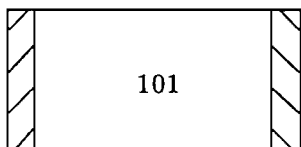
## (2) Reading chip resistance



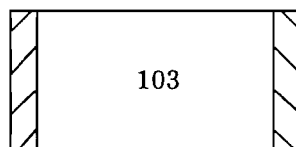
The first two characters are significant digits and the last numeric character indicates the number of zeros following the first two characters.

A decimal point is represented by the character R, and numeric characters are all significant digits in the R representation.

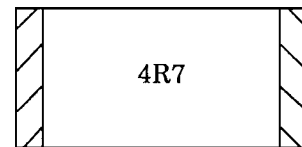
For Example:



100  $\Omega$

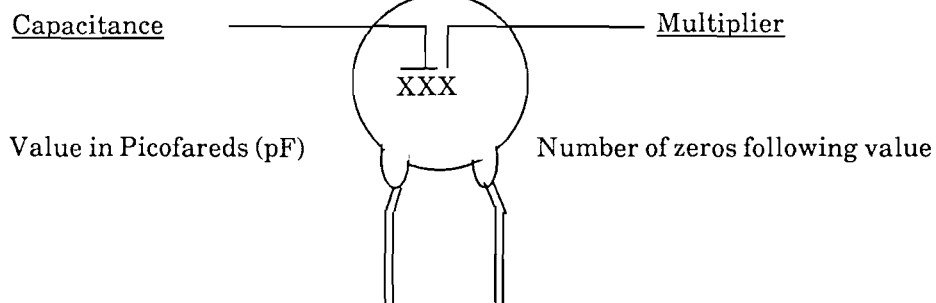


10 k $\Omega$



4.7  $\Omega$

### (3) Reading capacitance



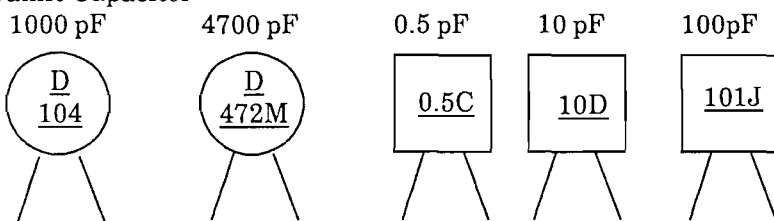
Examples:  $103 = 10,000 \text{ pF} = 10^{-8} \text{ F}$  or  $0.01 \mu\text{F}$   
 $302 = 3,000 \text{ pF} = 3 \times 10^{-9} \text{ F}$  or  $0.003 \mu\text{F}$   
 $676 = 67,000,000 \text{ pF} = 67 \times 10^{-6} \text{ F}$  or  $67 \mu\text{F}$

#### (a) Ceramic and polyester capacitors

Indication	0.5	1	10	101	102	103	104
Capacitance	0.5 pF	1 pF	10 pF	100 pF	1000 pF	0.01 $\mu\text{F}$	0.1 $\mu\text{F}$

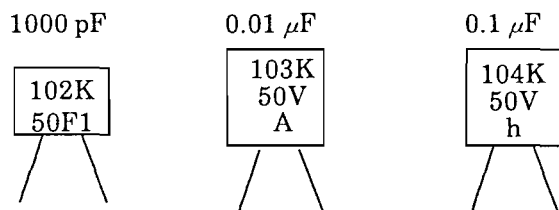
Example:

Ceramic Capacitor



Capacity values are always underlined.

Polyester Capacitor

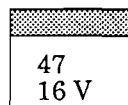


#### (b) Tantalum, metallized, and electrolytic capacitors

Indication	OR47	010	100	101
Capacitance	0.47 $\mu\text{F}$	1 $\mu\text{F}$	10 $\mu\text{F}$	100 $\mu\text{F}$

#### (c) Chip tantalum capacitor

Indication	0.47	4.7	47
Capacitance	0.47 $\mu\text{F}$	4.7 $\mu\text{F}$	47 $\mu\text{F}$



+ 47  $\mu\text{F}$   
16 V



## **6.4 Parts List**

Refer to Table 3-4 Circuit Names and Reference.

Parts List of: MG3631/32A  
SYNTHESIZED SIGNAL GENERATOR  
OVERALL

Ref. No.	Part Code	Description	Rating	Qty	Note
A 1		A1 PANEL UNIT		1	33W92410
A 2		A2 SG UNIT		1	34W99291 33W92415 34W99296
J 1		CAP BNC-DC-N		1	
Dep.					
ANRITSU CORP.					

Parts List of: A1 PANEL UNIT OVERALL

Ref. No.	Part Code	Description	Rating	Qty	Note
A 1		A1-A1 PANEL 1		1	33W92410
A 2		A1-A2 PANEL 2		1	34W99292 33W92412 34W99293
J 1		PLUG 1625-04P1		1	156011
S 1		PUSH SWITCH ESB99582V	6A	1	
Dep.					
ANRITSU CORP.					

Parts List of: A1-A1 PANEL 1

Ref. No.	Part Code	Description	Rating	Qty	Note
B 1		BUZZER U5-35RP		1	
C 1		CER CAP CK733F1H104Z	0.1 $\mu$ F, 50V +80/-20%	1	
C 2		CER CAP CK733F1H104Z	0.1 $\mu$ F, 50V +80/-20%	1	
C 3		CER CAP CK733F1H104Z	0.1 $\mu$ F, 50V +80/-20%	1	
C 4		CER CAP CK733F1H104Z	0.1 $\mu$ F, 50V +80/-20%	1	
C 5		AL. ELECTLY. CAP CE04C1A101A	100 $\mu$ F 20%, 10V	1	
C 6		NOT ASSIGNED			
C 7		NOT ASSIGNED			
C 8		NOT ASSIGNED			
C 9		NOT ASSIGNED			
C 10		CER CAP CC732CH1H331J	330 p F 5%, 50V	1	
C 11		CER CAP CC732CH1H331J	330 p F 5%, 50V	1	
C 12		CER CAP CC732CH1H331J	330 p F 5%, 50V	1	
C 13		CER CAP CC732CH1H331J	330 p F 5%, 50V	1	
C 14		CER CAP CC732CH1H331J	330 p F 5%, 50V	1	
C 15		CER CAP CC732CH1H331J	330 p F 5%, 50V	1	
C 16		CER CAP CC732CH1H331J	330 p F 5%, 50V	1	
C 17		CER CAP CC732CH1H331J	330 p F 5%, 50V	1	
C 18		CER CAP CC732CH1H331J	330 p F 5%, 50V	1	
C 19		CER CAP CC732CH1H331J	330 p F 5%, 50V	1	
C 20		CER CAP CC732CH1H331J	330 p F 5%, 50V	1	
Dep.					
ANRITSU CORP.					

Parts List of: A1-A1 PANEL 1

Ref. No.	Part Code	Description	Rating	Qty	Note
C 21		CER CAP CC733CH1H331J	330 p F 5%, 50V	1	
C 22		CER CAP CC732CH1H331J	330 p F 5%, 50V	1	
C 23		CER CAP CK733F1H104Z	0.1 $\mu$ F, 50V +80/-20%	1	
C 24		CER CAP CK733F1H104Z	0.1 $\mu$ F, 50V +80/-20%	1	
C 25		CER CAP CK733F1H104Z	0.1 $\mu$ F, 50V +80/-20%	1	
C 26		CER CAP CK733F1H104Z	0.1 $\mu$ F, 50V +80/-20%	1	
C 27		CER CAP CK733F1H104Z	0.1 $\mu$ F, 50V +80/-20%	1	
C 28		CER CAP CK733F1H104Z	0.1 $\mu$ F, 50V +80/-20%	1	
C 29		CER CAP CK733F1H104Z	0.1 $\mu$ F, 50V +80/-20%	1	
C 30		CER CAP CK733F1H104Z	0.1 $\mu$ F, 50V +80/-20%	1	
C 31		CER CAP CK733F1H104Z	0.1 $\mu$ F, 50V +80/-20%	1	
C 32		CER CAP CK733F1H104Z	0.1 $\mu$ F, 50V +80/-20%	1	
C 33		CER CAP CK733F1H104Z	0.1 $\mu$ F, 50V +80/-20%	1	
C 34		CER CAP CK733F1H104Z	0.1 $\mu$ F, 50V +80/-20%	1	
C 35		CER CAP CK733F1H104Z	0.1 $\mu$ F, 50V +80/-20%	1	
C 36		CER CAP CK733F1H104Z	0.1 $\mu$ F, 50V +80/-20%	1	
C 37		CER CAP CK733F1H104Z	0.1 $\mu$ F, 50V +80/-20%	1	
C 38		CER CAP CK733F1H104Z	0.1 $\mu$ F, 50V +80/-20%	1	
C 39		CER CAP CK733F1H104Z	0.1 $\mu$ F, 50V +80/-20%	1	
C 40		CER CAP CK733F1H104Z	0.1 $\mu$ F, 50V +80/-20%	1	
C 41		CER CAP CK733F1H104Z	0.1 $\mu$ F, 50V +80/-20%	1	
C 42		CER CAP CK733F1H104Z	0.1 $\mu$ F, 50V +80/-20%	1	
C 43		CER CAP CK733F1H104Z	0.1 $\mu$ F, 50V +80/-20%	1	
Dep.					
ANRITSU CORP.					

Parts List of: A1-A1 PANEL 1

Ref. No.	Part Code	Description	Rating	Qty	Note
C 44	CER CAP	0.1 $\mu$ F, 50V			
	CK733F1H104Z	+80/-20%		1	
C 45	CER CAP	0.1 $\mu$ F, 50V			
	CK733F1H104Z	+80/-20%		1	
C 46	CER CAP	0.1 $\mu$ F, 50V			
	CK733F1H104Z	+80/-20%		1	
C 47	CER CAP	0.1 $\mu$ F, 50V			
	CK733F1H104Z	+80/-20%		1	
C 48	CER CAP	0.1 $\mu$ F, 50V			
	CK733F1H104Z	+80/-20%		1	
C 49	CER CAP	0.1 $\mu$ F, 50V			
	CK733F1H104Z	+80/-20%		1	
C 50	CER CAP	0.1 $\mu$ F, 50V			
	CK733F1H104Z	+80/-20%		1	
C 51	CER CAP	0.1 $\mu$ F, 50V			
	CK733F1H104Z	+80/-20%		1	
C 52	CER CAP	0.1 $\mu$ F, 50V			
	CK733F1H104Z	+80/-20%		1	
C 53	CER CAP	0.1 $\mu$ F, 50V			
	CK733F1H104Z	+80/-20%		1	
C 54	CER CAP	0.1 $\mu$ F, 50V			
	CK733F1H104Z	+80/-20%		1	
C 55	AL ELECTLT CAP	10 $\mu$ F			
	CE04C1H100A	$\pm$ 20%, 50V		1	
L 1	INDUCTOR	10 $\mu$ H, $\pm$ 10%			
	LF8-100K			1	
Q 1	IC				
	74HC14F			1	
Q 2	IC				
	74HC14F			1	
Q 3	IC				
	74HC14F			1	
Q 4	IC				
	74HC4094F			1	
Q 5	IC				
	74HC4094F			1	
Q 6	IC				
	74HC4094F			1	
Q 7	IC				
	74HC4094F			1	
* Selected at factory			DRAWING No. 34W99292 3/5		
ANRITSU CORP.					

Parts List of: A1-A1 PANEL 1

Ref. No.	Part Code	Description	Rating	Qty	Note
Q 8	IC				
	74HC4094F			1	
Q 9	IC				
	74HC4094F			1	
Q 10	IC				
	74HC4094F			1	
Q 11	IC				
	74HC4094F			1	
Q 12	IC				
	74HC4094F			1	
Q 13	IC				
	74HC4094F			1	
Q 14	IC				
	74HC4094F			1	
Q 15	IC				
	74HC4094F			1	
Q 16	IC				
	74HC4094F			1	
Q 17	IC				
	74HC4094F			1	
Q 18	IC				
	74HC4094F			1	
Q 19	IC				
	74HC4094F			1	
Q 20	IC				
	74HC4094F			1	
Q 21	IC				
	74HC4094F			1	
Q 22	IC				
	74HC4094F			1	
Q 23	IC				
	74HC4094F			1	
Q 24	IC				
	74HC4094F			1	
Q 25	IC				
	74HC4094F			1	
Q 26	IC				
	74HC4094F			1	
Q 27	IC				
	74HC4094F			1	
Q 28	IC				
	74HC4094F			1	
Q 29	IC				
	74HC4094F			1	
Q 30	IC				
	74HC4094F			1	
* Selected at factory			DRAWING No. 34W99292 4/5		
ANRITSU CORP.					

Parts List of: A1-A1 PANEL 1

Ref. No.	Part Code	Description	Rating	Qty	Note
Q 31	IC	74HC4094F		1	
Q 32	IC	74HC00F		1	
Q 33	DIODE	1S955		1	
Q 34	TRANSISTOR	2SC1623		1	
R 1	RES ARRAY	100K $\Omega$			
R 2	RRS-6-104JA	$\pm$ 5%		1	
	CERMET RESISTOR	4.7K $\Omega$			
	RK73M2A472J	$\pm$ 5%, 1/10W		1	
W 1	CABLE	20P			TRCN-16-8-
	CNF23-20D-AA030S			1	13
W 2	CABLE	60P			
	34J99635A			1	
W 3	CABLE	80P			
	34J99635B			1	
W 4	CABLE	100P			
	34J99635C			1	
Dep.					
* Selected at factory			DRAWING No. 34W99292 5/5		
ANRITSU CORP.					

Parts List of: A1-A2 PANEL 2

Ref. No.	Part Code	Description	Rating	Qty	Note
C 1	CER CAP	0.1 $\mu$ F, 50V			
	CK733F1H104Z	+80/-20%		1	
C 2	CER CAP	0.1 $\mu$ F, 50V			
	CK733F1H104Z	+80/-20%		1	
C 3	CER CAP	0.1 $\mu$ F, 50V			
	CK733F1H104Z	+80/-20%		1	
C 4	CER CAP	0.1 $\mu$ F, 50V			
	CK733F1H104Z	+80/-20%		1	
C 5	CER CAP	0.1 $\mu$ F, 50V			
	CK733F1H104Z	+80/-20%		1	
C 6	CER CAP	0.1 $\mu$ F, 50V			
	CK733F1H104Z	+80/-20%		1	
Q 1	DISPLAY	LN513GA			1
Q 2	DISPLAY	LN513GA			1
Q 3	DISPLAY	LN513GA			1
Q 4	DISPLAY	LN513GA			1
Q 5	DISPLAY	LN513GA			1
Q 6	DISPLAY	HDSP-7807			1
Q 7	DISPLAY	LN513GA			1
Q 8	DISPLAY	LN513GA			1
Q 9	DISPLAY	LN513GA			1
Q 10	DISPLAY	LN513GA			1
Q 11	DISPLAY	LN513GA			1
Q 12	DISPLAY	LN513GA			1
Q 13	DISPLAY	LN513GA			1
Q 14	DISPLAY	LN513GA			1
Q 15	DISPLAY	LN513GA			1
Dep.					
* Selected at factory			DRAWING No. 34W99293 1/8		
ANRITSU CORP.					

Parts List of: A1-A2 PANEL 2

Ref. No.	Part Code	Description	Rating	Qty	Note
Q 16		DISPLAY		1	
Q 17		LN513GA		1	
Q 18		DISPLAY		1	
Q 19		LN513GA		1	
Q 20		DISPLAY		1	
Q 21		LN513GA		1	
Q 22		LED MDL		1	
Q 23		HLMP-2820		1	
Q 24		LED MDL		1	
Q 25		HLMP-2820		1	
Q 26		LED MDL		1	
Q 27		HLMP-2820		1	
Q 28		LN342GPH		1	
Q 29		LED		1	
Q 30		TLR226		1	
Q 31		LED		1	
Q 32		TLG226		1	
Q 33		LED		1	
Q 34		TLG226		1	
Q 35		LED		1	
Q 36		LED		1	
Q 37		LN342GPH		1	
Q 38		LED		1	
Q 39		GL480M		1	
* Selected at factory					
DRAWING # 34W99293 2/8					
ANRITSU CORP.					

Parts List of: A1-A2 PANEL 2

Ref. No.	Part Code	Description	Rating	Qty	Note
Q 39		LED		1	
Q 40		GL480M		1	
Q 41		PHOTO TRANSISTOR		1	
Q 42		PT480M		1	
Q 43		LED		1	
Q 44		GL480M		1	
Q 45		PHOTO TRANSISTOR		1	
Q 46		PT480M		1	
Q 47		IC		1	
Q 48		74HC14F		1	
Q 49		IC		1	
Q 50		74HC74F		1	
Q 51		IC		1	
Q 52		74HC165F		1	
R 1		RES ARRAY	220Ω	1	
R 2		RRS-4-221JB	± 5%	1	
R 3		RES ARRAY	220Ω	1	
R 4		RRS-4-221JB	± 5%	1	
R 5		RES ARRAY	220Ω	1	
R 6		RRS-4-221JB	± 5%	1	
R 7		RES ARRAY	220Ω	1	
R 8		RRS-4-221JB	± 5%	1	
* Selected at factory					
DRAWING # 34W99293 3/8					
ANRITSU CORP.					

Parts List of: A1-A2 PANEL 2

Ref. No.	Part Code	Description	Rating	Qty	Note
R 9		RES ARRAY	220Ω	1	
R 10		RRS-4-221JB	± 5%	1	
R 11		RES ARRAY	220Ω	1	
R 12		RRS-4-221JB	± 5%	1	
R 13		RES ARRAY	220Ω	1	
R 14		RRS-4-221JB	± 5%	1	
R 15		RES ARRAY	220Ω	1	
R 16		RRS-4-221JB	± 5%	1	
R 17		RES ARRAY	220Ω	1	
R 18		RRS-4-221JB	± 5%	1	
R 19		RES ARRAY	220Ω	1	
R 20		RRS-4-221JB	± 5%	1	
R 21		RES ARRAY	220Ω	1	
R 22		RRS-4-221JB	± 5%	1	
R 23		RES ARRAY	220Ω	1	
R 24		RRS-4-221JB	± 5%	1	
R 25		RES ARRAY	220Ω	1	
R 26		RRS-4-221JB	± 5%	1	
R 27		RES ARRAY	220Ω	1	
R 28		RRS-4-221JB	± 5%	1	
R 29		RES ARRAY	220Ω	1	
R 30		RRS-4-221JB	± 5%	1	
R 31		RES ARRAY	220Ω	1	
R 32		RRS-4-221JB	± 5%	1	
* Selected at factory					
DRAWING # 34W99293 4/8					
ANRITSU CORP.					

Parts List of: A1-A2 PANEL 2

Ref. No.	Part Code	Description	Rating	Qty	Note
R 32		RES ARRAY	220Ω	1	
R 33		RRS-4-221JB	± 5%	1	
R 34		RES ARRAY	220Ω	1	
R 35		RRS-4-221JB	± 5%	1	
R 36		RES ARRAY	220Ω	1	
R 37		RRS-4-221JB	± 5%	1	
R 38		RES ARRAY	220Ω	1	
R 39		RRS-4-221JB	± 5%	1	
R 40		RES ARRAY	220Ω	1	
R 41		RRS-4-221JB	± 5%	1	
R 42		RES ARRAY	220Ω	1	
R 43		RRS-4-221JB	± 5%	1	
R 44		RES ARRAY	220Ω	1	
R 45		RRS-6-221JA	± 5%	1	
R 46		RES ARRAY	220Ω	1	
R 47		RRS-6-221JA	± 5%	1	
R 48		RES ARRAY	220Ω	1	
R 49		RRS-6-221JA	± 5%	1	
R 50		NOT ASSIGNED		1	
R 51		CERMET RESISTOR	220Ω	1	
R 52		RRK73M2A221J	± 5%, 1/10W	1	
R 53		CERMET RESISTOR	1KΩ	1	
R 54		RRK73M2A102J	± 5%, 1/10W	1	
R 55		CERMET RESISTOR	5.6KΩ	1	
R 56		RRK73M2A562J	± 5%, 1/10W	1	
* Selected at factory					
DRAWING # 34W99293 5/8					
ANRITSU CORP.					

Parts List of: A1-A2 PANEL 2

Ref. No.	Part Code	Description	Rating	Qty	Note
R 55		CERMET RESISTOR RK73M2A562J	5.6KΩ ± 5%, 1/10W	1	
R 56		CERMET RESISTOR RK73M2A102J	1KΩ ± 5%, 1/10W	1	
R 57		CERMET RESISTOR RK73M2A102J	1KΩ ± 5%, 1/10W	1	
R 58		CERMET RESISTOR RK73M2A562J	5.6KΩ ± 5%, 1/10W	1	
R 59		CERMET RESISTOR RK73M2A562J	5.6KΩ ± 5%, 1/10W	1	
R 60		RES ARRAY RRS-8-104JA	100KΩ ± 5%	1	
R 61		RES ARRAY RRS-8-332JA	3.3KΩ ± 5%	1	
R 62		CERMET RESISTOR RK73M2A561J	560Ω ± 5%, 1/10W	1	
S 1		KEY SWITCH M85A-0N001	RED, W/LED	1	
S 2		KEY SWITCH M85A-0N001		1	
S 3		KEY SWITCH M85A-0N001		1	
S 4		KEY SWITCH M85A-0N001		1	
S 5		KEY SWITCH M85A-0NG01	GREEN, W/LED	1	
S 6		KEY SWITCH M85A-0N001		1	
S 7		KEY SWITCH M85A-0N001		1	
S 8		KEY SWITCH M85A-0N001		1	
S 9		KEY SWITCH M85A-0N001		1	
S 10		KEY SWITCH M85A-0NG01	GREEN, W/LED	1	
S 11		KEY SWITCH M85A-0N001		1	
S 12		KEY SWITCH M85A-0N001		1	
S 13		KEY SWITCH M85A-0N001		1	
S 14		KEY SWITCH M85A-0N001		1	
* Specified at factory			DRAWING # 34W99293		6/8
ANRITSU CORP.					

Parts List of: A1-A2 PANEL 2

Ref. No.	Part Code	Description	Rating	Qty	Note
S 38		KEY SWITCH M85A-0N001	GREEN, W/LED	1	
S 39		KEY SWITCH M85A-0N001		1	
S 40		KEY SWITCH M85A-0N001		1	
S 41		KEY SWITCH M85A-0N001		1	
S 42		KEY SWITCH M85A-0N001		1	
S 43		KEY SWITCH M85A-0N001		1	
Z 1		ROTARY ENCODER MRE30S		1	
Z 2		ROTARY ENCODER MRE30S		1	
Dep.					
Selected factors			DRAWING # 34W99293		8/8
ANRITSU CORP.					

Parts List of: A1-A2 PANEL 2

Ref. No.	Part Code	Description	Rating	Qty	Note
S 15		KEY SWITCH M85A-0N001		1	
S 16		KEY SWITCH M85A-0N001		1	
S 17		KEY SWITCH M85A-0N001		1	
S 18		KEY SWITCH M85A-0N001		1	
S 19		KEY SWITCH M85A-0N001		1	
S 20		KEY SWITCH M85A-0N001	GREEN, W/LED	1	
S 21		KEY SWITCH M85A-0N001		1	
S 22		KEY SWITCH M85A-0N001		1	
S 23		KEY SWITCH M85A-0N001		1	
S 24		KEY SWITCH M85A-0N001		1	
S 25		KEY SWITCH M85A-0N001		1	
S 26		KEY SWITCH M85A-0N001		1	
S 27		KEY SWITCH M85A-0N001		1	
S 28		KEY SWITCH M85A-0N001		1	
S 29		KEY SWITCH M85A-0N001		1	
S 30		KEY SWITCH M85A-0N001		1	
S 31		KEY SWITCH M85A-0N001		1	
S 32		KEY SWITCH M85A-0N001		1	
S 33		KEY SWITCH M85A-0N001		1	
S 34		KEY SWITCH M85A-0N001		1	
S 35		KEY SWITCH M85A-0N001		1	
S 36		KEY SWITCH M85A-0N001		1	
S 37		KEY SWITCH M85A-0N001		1	
Dep.					
* Sourced at Factory			DRAWING # 34W99293		7/8
ANRITSU CORP.					

Parts List of: A2 SG UNIT OVERALL

Ref. No.	Part Code	Description	Rating	Qty	Note
A 1		A1 BUFFER		1	33W32416
A 2		A2 REFERENCE		1	34W99297
A 3		A3 FM-VCO		1	33W32417
A 4		A4 LF SYNTH		1	34W99298
A 5		A5 20MHZ STEP		1	33W32418
A 6		A6 MAIN LOOP		1	34W99299
A 7		A7 OUTPLT		1	33W32419
A 8		NOT ASSIGNED		1	34W99300
A 9		NOT ASSIGNED			
A 10		A10 ATT DRIVE		1	33W32420
A 11		NOT ASSIGNED			
A 12		A12 MODULATION		1	33W32428
A 13		A13 POWER SUPPLY		1	34W99309
A 14		A14 CPU		1	33W32429
A 15		A15 INTERFACE		1	34W99310
AT 1		P-ATT		1	33W32430
C 1		LINE FILTER ZFN5101-01R		1	34W999612
C 2		LINE FILTER ZFN5101-01R		1	33W32431
C 3		LINE FILTER ZFN5101-01R		1	34W999613
C 4		LINE FILTER ZFN5101-01R		1	
C 5		LINE FILTER ZFN5101-01R		1	
Dep.			DRAWING # 34W99296		
* Selected at factory			1/6		
ANRITSU CORP.					

## Parts List of: A2 SG UNIT OVERALL

Ref. No.	Part Code	Description	Rating	Qty	Note
C 6		LINE FILTER			
C 7	ZFN5101-01R	LINE FILTER		1	
C 8	ZFN5101-01R	LINE FILTER		1	
C 9	ZFN5101-01R	LINE FILTER		1	
C 10	ZFN5101-01R	LINE FILTER		1	
C 11	ZFN5101-01R	LINE FILTER		1	
C 12	ZFN5101-01R	LINE FILTER		1	
C 13	ZFN5101-01R	LINE FILTER		1	
C 14	ZFN5101-01R	LINE FILTER		1	
C 15	ZFN5101-01R	LINE FILTER		1	
C 16	ZFN5101-01R	LINE FILTER		1	
C 17	ZFN5101-01R	LINE FILTER		1	
C 18	ZFN5101-01R	LINE FILTER		1	
C 19	ZFN5101-01R	LINE FILTER		1	
C 20	ZFN5101-01R	LINE FILTER		1	
C 21	CER CAP	1000 p F, 50V			
C 22	DF553F102PY50	+100/-0%	1		
C 23	CER CAP	1000 p F, 50V			
C 24	DF553F102PY50	+100/-0%	1		
C 25	CER CAP	1000 p F, 50V			
C 26	DF553F102PY50	+100/-0%	1		
C 27	CER CAP	1000 p F, 50V			
C 28	DF553F102PY50	+100/-0%	1		

Dep. Selected at factory

DRAWING No. 34W99296 2/6

ANRITSU CORP.

## Parts List of: A2 SG UNIT OVERALL

Ref. No.	Part Code	Description	Rating	Qty	Note
C 29	CER CAP	1000 p F, 50V			
C 30	DF553F102PY50	+100/-0%	1		
C 31	CER CAP	1000 p F, 50V			
C 32	DF553F102PY50	+100/-0%	1		
C 33	CER CAP	1000 p F, 50V			
C 34	DF553F102PY50	+100/-0%	1		
C 35	CER CAP	1000 p F, 50V			
C 36	DF553F102PY50	+100/-0%	1		
C 37	CER CAP	1000 p F, 50V			
C 38	DF553F102PY50	+100/-0%	1		
C 39	CER CAP	1000 p F, 50V			
C 40	DF553F102PY50	+100/-0%	1		
C 41	CER CAP	1000 p F, 50V			
C 42	DF553F102PY50	+100/-0%	1		
E 1		GROUND TERMINAL			
F 1		FUSE	3.15A, 250V		
F 2		FUSE	3.15A, 250V		
G 1		FAN			
		109R0612H4021		1	

Dep. Selected at factory

DRAWING No. 34W99296 3/6

ANRITSU CORP.

## Parts List of: A2 SG UNIT OVERALL

Ref. No.	Part Code	Description	Rating	Qty	Note
J 1		INLET			
J 2	NC-165	TERMINAL	=187,0.81mm	1	
J 3	ICTDN480809-FA	TERMINAL	=187,0.81mm	1	
J 4	ICTDN480809-FA	TERMINAL	=187,0.81mm	1	
J 5	RECEPTACLE	1625-04R1	4P	1	1561TL
J 6	RECEPTACLE	HR10A-7R-6S	6P	1	
J 7		NOT ASSIGNED			
J 8		NOT ASSIGNED			
J 9	ADAPTER	NM61-2F	OMS-N	1	
J 10	PLUG	BNC-R-N1		1	
J 11	PLUG	BNC-R-N1		1	
J 12	JACK	DF1-2S2.5R24	2P	1	
J 13	RECEPTACLE	HR10A-10R-10S	10P	1	
J 14	RECEPTACLE	1625-04R1	4P	1	1561TL
J 15	PLUG	1625-04P1	4P	1	1560TL
S 1		NOT ASSIGNED			
S 2		NOT ASSIGNED			
T 1		POWER TRANSFORMER			
		34T100308		1	
W 1		CABLE	U-SB2203		
		34J08154R	70mm, 22P	1	

Dep. Selected at factory

DRAWING No. 34W99296 4/6

ANRITSU CORP.

## Parts List of: A2 SG UNIT OVERALL

Ref. No.	Part Code	Description	Rating	Qty	Note
W 2		CABLE	100mm, 30P		
W 3		CN31-30D-AC010S		1	
W 4		NOT ASSIGNED			
W 5		CABLE	200mm, 15P		
W 6		DF1-15S2.5R24-20C-1		1	
W 7		CABLE	150mm		DOUBLE SHIELDED
W 8		27DP-1P-1P		1	SHIELDED
W 9		CABLE	150mm		DOUBLE SHIELDED
W 10		27DP-1P-1P		1	SHIELDED
W 11		CABLE	80mm, 5P		1.5D-NV
W 12		342W99788 DF1CABLE	700mm, 8P	1	
W 13		34W100369 DF1BCABLE	400mm, 8P	1	
W 14		34W100370 DF1BCABLE	100mm, 5P	1	
W 15		CABLE	DF1-5S2.5R24-10C-1	1	
W 16		CABLE	DF1-10S2.5R24-10C-1	1	
W 17		CABLE	1000mm, 3P	1	
W 18		DF1-3S2.5R24-100B-1	1150mm, 8P	1	
W 19		34W100371 DF1BCABLE		1	
W 20		NOT ASSIGNED			
W 21		COAXIAL CABLE	SHIELDED	1	
W 22		COAXIAL CABLE	SHIELDED	1	
W 23		COAXIAL CABLE	SHIELDED	1	
W 24		COAXIAL CABLE	SHIELDED	1	
W 17		34J100347	SC160D	1	
W 18		SEMI-RIGID CABLE		1	
W 19		COAXIAL CABLE	SHIELDED	1	
W 20		34J100637	SC160D	1	
W 21		SEMI-RIGID CABLE		1	
W 22		34J100348	UT85	1	
W 23		SEMI-RIGID CABLE	NM11-2F	1	
W 24		NOT ASSIGNED			
W 22		34J100349	UT85	1	
W 23		SEMI-RIGID CABLE	NM11-2F	1	
W 24		NOT ASSIGNED			
W 24		57FE-150 GP-1B	150mm	1	TRCN-16-8-

Dep. Selected at factory

DRAWING No. 34W99296 5/6

ANRITSU CORP.

Parts List of: A2 SG UNIT OVERALL

Ref. No.	Part Code	Description	Rating	Qty	Note
W 25	34J100350	UT-85			
W 26	34J100350	SEMI-RIGID CABLE	BNC-PJ152	1	
	34J100350	UT-85			
	34J100350	SEMI-RIGID CABLE	BNC-PJ152	1	
Z 1		AC LINE FILTER			TRCN-16-8-
		ZMB2203-13		1	13
Dep.					
• Selected at factory					
DRAWING: 34W99296				6/6	
ANRITSU CORP.					

Parts List of: A2-A1 BUFFER

Ref. No.	Part Code	Description	Rating	Qty	Note
C 1	CER CAP	0.1 $\mu$ F, 50V			
C 2	CK733F1H104Z	+80/-20%		1	
C 3	CER CAP	0.1 $\mu$ F, 50V			
C 4	CK733F1H104Z	+80/-20%		1	
C 5	CER CAP	0.1 $\mu$ F, 50V			
	CK733F1H104Z	+80/-20%		1	
C 6	CER CAP	0.1 $\mu$ F, 50V			
C 7	CK733F1H104Z	NOT ASSIGNED		1	
C 8	CER CAP	100 p F			
C 9	CC732CH1H101J	$\pm$ 5%, 50V		1	
C 10	CER CAP	100 p F			
	CC732CH1H101J	$\pm$ 5%, 50V		1	
C 11	CER CAP	1000 p F			
C 12	CC732CH1H102J	$\pm$ 5%, 50V		1	
C 13	CER CAP	100 p F			
C 14	CC732CH1H101J	$\pm$ 5%, 50V		1	
C 15	CER CAP	100 p F			
	CC732CH1H101J	$\pm$ 5%, 50V		1	
C 16	CER CAP	100 p F			
C 17	CC732CH1H101J	$\pm$ 5%, 50V		1	
C 18	CER CAP	100 p F			
C 19	CC732CH1H101J	$\pm$ 5%, 50V		1	
C 20	CER CAP	100 p F			
	CC732CH1H101J	$\pm$ 5%, 50V		1	
C 21	CER CAP	100 p F			
C 22	CC732CH1H101J	$\pm$ 5%, 50V		1	
C 23	CER CAP	100 p F			
	CC732CH1H101J	$\pm$ 5%, 50V		1	
Dep.					
• Selected at factory					
DRAWING: 34W99297				1/4	
ANRITSU CORP.					

Parts List of: A2-A1 BUFFER

Ref. No.	Part Code	Description	Rating	Qty	Note
C 24	CER CAP	100 p F			
C 25	CC732CH1H101J	$\pm$ 5%, 50V		1	
C 26	CER CAP	100 p F			
C 27	CC732CH1H101J	$\pm$ 5%, 50V		1	
C 28	CER CAP	100 p F			
	CC732CH1H101J	$\pm$ 5%, 50V		1	
C 29	CER CAP	1000 p F			
	CC732CH1H102J	$\pm$ 5%, 50V		1	
J 1	PLUG	22P			
J 2	U-PB2221	30P		1	
J 3	PLUG	15P			
J 4	HIF3FC-30PA-2.54DSA	NOT ASSIGNED		1	
J 5	PLUG	27DP-R-PC-1		1	
J 6	PLUG	27DP-R-PC-1		1	
J 7	PLUG	8P, WHITE		1	
J 8	PLUG	20P		1	
J 9	HIF3F-20PA-2.54DSA	8P, RED		1	
J 10	PLUG	3P, WHITE		1	
Q 1	IC	74HC14F		1	
Q 2	IC	74HC14F		1	
Q 3	IC	74HC14F		1	
Q 4	IC	74HC14F		1	
Q 5	IC	74HC14F		1	
Dep.					
• Selected at factory					
DRAWING: 34W99297				2/4	
ANRITSU CORP.					

Parts List of: A2-A1 BUFFER

Ref. No.	Part Code	Description	Rating	Qty	Note
Q 6	IC	74HC14F		1	
Q 7		NOT ASSIGNED			
Q 8		NOT ASSIGNED			
Q 9	DIODE	A1S2838		1	
Q 10	TRANSISTOR	2SC1623		1	
Q 11	TRANSISTOR	2SC1623		1	
Q 12	TRANSISTOR	2SC1623		1	
R 1	RES ARRAY	RRS-6-104JA	100K $\Omega$	1	
R 2	RES ARRAY	RRS-6-104JA	100K $\Omega$	1	
R 3	RES ARRAY	RRS-6-104JA	100K $\Omega$	1	
R 4	CERMET RESISTOR	RK73M2A104J	5%, 1/10W	1	
R 5	CERMET RESISTOR	RK73M2A103J	5%, 1/10W	1	
R 6	CERMET RESISTOR	RK73M2A103J	10K $\Omega$	1	
R 7	CERMET RESISTOR	RK73M2A103J	5%, 1/10W	1	
R 8	CERMET RESISTOR	RK73M2A103J	10K $\Omega$	1	
R 9	CERMET RESISTOR	RK73M2A102J	5%, 1/10W	1	
R 10	CERMET RESISTOR	RK73M2A103J	10K $\Omega$	1	
R 11	CERMET RESISTOR	RK73M2A332J	3.3K $\Omega$	1	
R 12	RES ARRAY	RRS-4-103JA	10K $\Omega$	1	
R 13		NOT ASSIGNED			
R 14		NOT ASSIGNED			
R 15	CERMET RESISTOR	RK73M2A332J	3.3K $\Omega$	1	
Dep.					
• Selected at factory					
DRAWING: 34W99297				3/4	
ANRITSU CORP.					

## Parts List of: A2-A1 BUFFER

Ref. No.	Part Code	Description	Rating	Qty	Note
R 16		CERMET RESISTOR RK73M2A332J	3.3KΩ ± 5%, 1/10W	1	
Dep.					
DRAWING No. 34W99297 4/4					
ANRITSU CORP.					

## Parts List of: A2-A2 REFERENCE

Ref. No.	Part Code	Description	Rating	Qty	Note
C 1		CER CAP CK732B1H103K	0.01μF ± 10%, 50V	1	
C 2		CER CAP CK732B1H103K	0.01μF ± 10%, 50V	1	
C 3		CER CAP CK732B1H103K	0.01μF ± 10%, 50V	1	
C 4		CER CAP CK732B1H223K	0.022μF ± 10%, 50V	1	
C 5		CER CAP CK733B1H104K	0.1μF ± 10%, 50V	1	
C 6		NOT ASSIGNED			
C 7		CER CAP CK732B1H103K	0.01μF ± 10%, 50V	1	
C 8		NOT ASSIGNED			
C 9		CER CAP CK733B1H104K	0.1μF ± 10%, 50V	1	
C 10		CER CAP CC732CH1H101J	100pF ± 5%, 50V	1	
C 11		CER CAP CK733B1H104K	0.1μF ± 10%, 50V	1	
C 12		CER CAP CK732B1H103K	0.01μF ± 10%, 50V	1	
C 13		CER CAP CK732B1H103K	0.01μF ± 10%, 50V	1	
C 14		CER CAP CK732B1H103K	0.01μF ± 10%, 50V	1	
C 15		CER CAP CK732B1H103K	0.01μF ± 10%, 50V	1	
J 1		PLUG DF1-5P2.5DSA	5P	1	
K 1		RELAY TQ2-5V	5V	1	
L 1		INDUCTOR NL453232-100K	10μH, ± 10%	1	
Dep.					
DRAWING No. 34W99298 1/2					
ANRITSU CORP.					

## Parts List of: A2-A2 REFERENCE

Ref. No.	Part Code	Description	Rating	Qty	Note
Q 1		DIODE HSM885		1	
Q 2		DIODE HSM885		1	
Q 3		IC 74AS04F		1	
Q 4		TRANSISTOR 2SC1623		1	
Q 5		DIODE 1S2837		1	
Q 6		IC μ PC1652G		1	
Q 7		IC μ PC1652G		1	
R 1		CERMET RESISTOR RK73M2A470J	47Ω ± 5%, 1/10W	1	
R 2		CERMET RESISTOR RK73M2A103J	10KΩ ± 5%, 1/10W	1	
R 3		CERMET RESISTOR RK73M2A272J	2.7KΩ ± 5%, 1/10W	1	
R 4		CERMET RESISTOR RK73M2A102J	1KΩ ± 5%, 1/10W	1	
R 5		CERMET RESISTOR RK73M2A222J	2.2KΩ ± 5%, 1/10W	1	
R 6		CERMET RESISTOR RK73M2A103J	10KΩ ± 5%, 1/10W	1	
R 7		VARIABLE RESISTOR RG6V502	5KΩ, 1/2W	1	
R 8		CERMET RESISTOR RK73M2A103J	10KΩ ± 5%, 1/10W	1	
R 9		CERMET RESISTOR RK73M2A272J	2.7KΩ ± 5%, 1/10W	1	
R 10		CERMET RESISTOR RK73M2A560J	56Ω ± 5%, 1/10W	1	
R 11		CERMET RESISTOR RK73M2A560J	56Ω ± 5%, 1/10W	1	
R 12		CERMET RESISTOR RK73M2A103J	10KΩ ± 5%, 1/10W	1	
R 13		CERMET RESISTOR RK73M2A222J	2.2KΩ ± 5%, 1/10W	1	
R 14		CERMET RESISTOR RK73M2A470J	47Ω ± 5%, 1/10W	1	
Dep.					
DRAWING No. 34W99298 2/3					
ANRITSU CORP.					

## Parts List of: A2-A2 REFERENCE

Ref. No.	Part Code	Description	Rating	Qty	Note
X 1		CRYSTAL OSC 5925A-MD50	10MHZ	1	
X 2		CRYSTAL FILTER YF10.01AD	10MHZ	1	
Dep.					
DRAWING No. 34W99298 3/3					
ANRITSU CORP.					



Parts List of: A2-A3 FM-VC0

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Ref. No.	Part Code	Description	Rating	Qty	Note
C 1		CER CAP	0.01 $\mu$ F		
C 2		AL ELECTLT CAP	100 $\mu$ F		
C 3		CE04C1A221A	220 $\mu$ F		
C 4		CER CAP	0.01 $\mu$ F		
C 5		CK732B1H103K	10% .50V		
C 6		AL ELECTLT CAP	330 $\mu$ F		
C 7		CE04C1E331A	1000 $\mu$ F		
C 8		CE04C1E101A	100 $\mu$ F		
C 9		CK732B1H103K	10% .50V		
C 10		CK732B1H103K	10% .50V		
C 11		CER CAP	0.01 $\mu$ F		
C 12		CK732B1H103K	10% .50V		
C 13		CK732B1H103K	10% .50V		
C 14		CK732B1H103K	10% .50V		
C 15		CK732B1H103K	10% .50V		
C 16		TA ELECTLT CAP	3.3 $\mu$ F		
C 17		CE04C1E331A	1000 $\mu$ F		
C 18		CE04C1E101A	100 $\mu$ F		
C 19		CK732B1H103K	10% .50V		
C 20		CK732B1H103K	10% .50V		
C 21		CER CAP	0.01 $\mu$ F		
C 22		CK732B1H103K	10% .50V		
C 23		CK732B1H103K	10% .50V		

Dep. \* Selected at factory

DRAWING # 34W99299 1/7

ANRITSU CORP.

Parts List of: A2-A3 FM-VC0

Ref. No.	Part Code	Description	Rating	Qty	Note
C 24		CER CAP	100 $\mu$ F		
C 25		CK732B1H103K	10% .50V		
C 26		CK732B1H103K	10% .50V		
C 27		NOT ASSIGNED			
C 28		NOT ASSIGNED			
C 29		CER CAP	0.01 $\mu$ F		
C 30		CK732B1H103K	10% .50V		
C 31		CK732B1H103K	10% .50V		
C 32		CK732B1H103K	10% .50V		
C 33		CK732B1H103K	10% .50V		
C 34		AL ELECTLT CAP	100 $\mu$ F		
C 35		CE04C1A101A	100 $\mu$ F		
C 36		CK732B1H103K	10% .50V		
C 37		CK732B1H103K	10% .50V		
C 38		CK732B1H103K	10% .50V		
C 39		CER CAP	3.3 $\mu$ F		
C 40		CK732B1H103K	10% .50V		
C 41		CK732B1H103K	10% .50V		
C 42		CK732B1H103K	10% .50V		
C 43		AL ELECTLT CAP	470 $\mu$ F		
C 44		CE04C1C471A	470 $\mu$ F		
C 45		AL ELECTLT CAP	100 $\mu$ F		
C 46		CE04C1E101A	100 $\mu$ F		

Dep. \* Selected at factory

DRAWING # 34W99299 2/7

ANRITSU CORP.

Parts List of: A2-A3 FM-VC0

Ref. No.	Part Code	Description	Rating	Qty	Note
C 47		CER CAP	0.01 $\mu$ F		
C 48		CK732B1H103K	10% .50V		
C 49		CK732B1H103K	10% .50V		
C 50		CK732B1H103K	10% .50V		
C 51		CK732B1H103K	10% .50V		
C 52		CER CAP	0.01 $\mu$ F		
C 53		CK732B1H103K	10% .50V		
C 54		AL ELECTLT CAP	100 $\mu$ F		
E 1		CHECK TERMINAL			
J 1		PLUG	10P		
J 2		DF1-10P2.5DSA	2P		
J 3		CABLE	3P		
L 1		INDUCTOR	10 $\mu$ H. $\pm$ 10%		
L 2		INDUCTOR	10 $\mu$ H. $\pm$ 10%		
L 3		INDUCTOR	100 $\mu$ H. $\pm$ 10%		
L 4		INDUCTOR	22 $\mu$ H. $\pm$ 10%		
L 5		INDUCTOR	0.35 $\mu$ H		
L 6		INDUCTOR	10 $\mu$ H. $\pm$ 10%		
L 7		NOT ASSIGNED			

Dep. \* Selected at factory

DRAWING # 34W99299 3/7

ANRITSU CORP.

Parts List of: A2-A3 FM-VC0

Ref. No.	Part Code	Description	Rating	Qty	Note
L 8		INDUCTOR	10 $\mu$ H. $\pm$ 10%		
Q 1		TRANSISTOR			
Q 2		2SA812			
Q 3		1C			
Q 4		NJM5532MD			
Q 5		1C			
Q 6		74HC4094F			
Q 7		1C			
Q 8		NJU201AM			
Q 9		1C			
Q 10		PC1652G			
Q 11		NOT ASSIGNED			
Q 12		1C			
Q 13		74LS74F			
Q 14		1C			
Q 15		74LS00F			
Q 16		1C			
Q 17		NJM5532MD			
Q 18		NOT ASSIGNED			
Q 19		1C			
Q 20		74HC4094F			
Q 21		1C			
Q 22		NJU201AM			
Q 23		1C			
Q 24		NJM5532MD			

Dep. \* Selected at factory

DRAWING # 34W99299 4/7

ANRITSU CORP.

Parts List of: A2-A3 FM-VC0

Ref. No.	Part Code	Description	Rating	Qty	Note
Q 21		DIODE 1S252		1	
Q 22		DIODE A1SS123		1	
R 1		CERMET RESISTOR RK73M2A681J	680Ω ± 5%, 1/10W	1	
R 2		CERMET RESISTOR RK73M2A181J	180Ω ± 5%, 1/10W	1	
R 3		CERMET RESISTOR RK73M2A122J	1.2KΩ ± 5%, 1/10W	1	
R 4		CERMET RESISTOR RK73M2A821J	820Ω ± 5%, 1/10W	1	
R 5		METAL FILM RESISTOR RN73G2A102D	1KΩ ± 0.5%, 1/10W	1	
R 6		METAL FILM RESISTOR RN73G2A102D	1KΩ ± 0.5%, 1/10W	1	
R 7		CERMET RESISTOR RK73M2A271J	270Ω ± 5%, 1/10W	1	
R 8		METAL FILM RESISTOR RN73G2A122D	1.2KΩ ± 0.5%, 1/10W	1	
R 9		METAL FILM RESISTOR RN73G2A122D	1.2KΩ ± 0.5%, 1/10W	1	
R 10		METAL FILM RESISTOR RN73G2A301D	300Ω ± 0.5%, 1/10W	1	
R 11		METAL FILM RESISTOR RN73G2A151D	150Ω ± 0.5%, 1/10W	1	
R 12		METAL FILM RESISTOR RN73G2A151D	150Ω ± 0.5%, 1/10W	1	
R 13		METAL FILM RESISTOR RN73G2A182D	1.8KΩ ± 0.5%, 1/10W	1	
R 14		METAL FILM RESISTOR RN73G2A182D	1.8KΩ ± 0.5%, 1/10W	1	
R 15		METAL FILM RESISTOR RN73G2A101D	100Ω ± 0.5%, 1/10W	1	
R 16		CERMET RESISTOR RK73M2A101J	100Ω ± 5%, 1/10W	1	
R 17		CERMET RESISTOR RK73M2A101J	100Ω ± 5%, 1/10W	1	
R 18		CERMET RESISTOR RK73M2A101J	100Ω ± 5%, 1/10W	1	
R 19		CERMET RESISTOR RK73M2A101J	100Ω ± 5%, 1/10W	1	
R 20		CERMET RESISTOR RK73M2A103J	10KΩ ± 5%, 1/10W	1	
* Selected at factory			DRAWING: 34W99299 5/7		
ANRITSU CORP.					

Parts List of: A2-A3 FM-VC0

Ref. No.	Part Code	Description	Rating	Qty	Note
R 44		CERMET RESISTOR RK73M2A103J	10KΩ ± 5%, 1/10W	1	
• Selected at Factory			DRAWING No. 34W99299 7/7		
ANRITSU CORP.					

Parts List of: A2-A3 FM-VC0

Ref. No.	Part Code	Description	Rating	Qty	Note
R 21		NOT ASSIGNED			
R 22		NOT ASSIGNED			
R 23		CERMET RESISTOR RK73M2A100J	10Ω ± 5%, 1/10W	1	
R 24		CERMET RESISTOR RK73M2A222J	2.2KΩ ± 5%, 1/10W	1	
R 25		CERMET RESISTOR RK73M2A222J	2.2KΩ ± 5%, 1/10W	1	
R 26		CERMET RESISTOR RK73M2A222J	2.2KΩ ± 5%, 1/10W	1	
R 27		CERMET RESISTOR RK73M2A222J	2.2KΩ ± 5%, 1/10W	1	
R 28		NOT ASSIGNED			
R 29		CERMET RESISTOR RK73M2A103J	10KΩ ± 5%, 1/10W	1	
R 30		CERMET RESISTOR RK73M2A681J	680Ω ± 5%, 1/10W	1	
R 31		METAL FILM RESISTOR RN73G2A103D	10KΩ ± 0.5%, 1/10W	1	
R 32		NOT ASSIGNED			
R 33		NOT ASSIGNED			
R 34		NOT ASSIGNED			
R 35		CERMET RESISTOR RK73M2A821J	820Ω ± 5%, 1/10W	1	
R 36		VARIABLE RESISTOR RG6V101	100Ω 1/2W	1	
R 37		VARIABLE RESISTOR RG6H202	2KΩ 1/2W	1	
R 38		METAL FILM RESISTOR RN73G2A682D	6.8KΩ ± 0.5%, 1/10W	1	
R 39		METAL FILM RESISTOR RN73G2A102D	1KΩ ± 0.5%, 1/10W	1	
R 40		CERMET RESISTOR RK73M2A103J	10KΩ ± 5%, 1/10W	1	
R 41		CERMET RESISTOR RK73M2A222J	2.2KΩ ± 5%, 1/10W	1	
R 42		CERMET RESISTOR RK73M2A471J	470Ω ± 5%, 1/10W	1	
R 43		CERMET RESISTOR RK73M2A472J	4.7KΩ ± 5%, 1/10W	1	
• Selected at Factory			DRAWING: 34W99299 6/7		
ANRITSU CORP.					

Parts List of: A2-A4 LF-SYNTH

Ref. No.	Part Code	Description	Rating	Qty	Note
C 1		AL ELECTLT CAP CE04C1A221A	220 $\mu$ F - 20%, 10V	1	
C 2		AL ELECTLT CAP CE04C1E101A	100 $\mu$ F - 20%, 25V	1	
C 3		AL ELECTLT CAP CE04C1E101A	100 $\mu$ F - 20%, 25V	1	
C 4		NOT ASSIGNED			
C 5		CER CAP CK732CH1H101J	100p $\pm$ - 5%, 50V	1	
C 6		CER CAP CK732BH1H103K	0.01 $\mu$ F - 10%, 50V	1	
C 7		NOT ASSIGNED			
C 8		CER CAP CK732BH1H103K	0.01 $\mu$ F - 10%, 50V	1	
C 9		TA ELECTLT CAP CS732E1V105M	1 $\mu$ F - 20%, 35V	1	
C 10		CER CAP CK732BH1H103K	0.01 $\mu$ F - 10%, 50V	1	
C 11		CER CAP CK732BH1H103K	0.01 $\mu$ F - 10%, 50V	1	
C 12		CER CAP CK733BH1H473K	47000p F - 10%, 50V	1	
C 13		NOT ASSIGNED			
C 14		CER CAP CK732BH1H472K	4700p F - 10%, 50V	1	
C 15		NOT ASSIGNED			
C 16		CER CAP CK733BH1H473K	47000p F - 10%, 50V	1	
C 17		NOT ASSIGNED			
C 18		TA ELECTLT CAP CS732E1C475M	4.7 $\mu$ F - 20%, 16V	1	
C 19		TA ELECTLT CAP CS732E1C475M	4.7 $\mu$ F - 20%, 16V	1	
C 20		CER CAP CK732BH1H103K	0.01 $\mu$ F - 10%, 50V	1	
C 21		CER CAP CK733BH1H104K	0.1 $\mu$ F - 10%, 50V	1	
C 22		CER CAP CK732BH1H102K	1000 F - 10%, 50V	1	
C 23		CER CAP CK732BH1H103K	0.01 $\mu$ F - 10%, 50V	1	
• Selected at Factory			DRAWING: 34W99300 1/17		
ANRITSU CORP.					

Parts List of: A2-A4 LF SYNTH

Ref. No.	Part Code	Description	Rating	Qty	Note
C 24	CER CAP	1000 p F			
C 25	CK732B1H102K	± 10%, 50V		1	
C 26	CER CAP	0.01 μ F			
C 27	CK732B1H103K	± 10%, 50V		1	
C 28	CER CAP	100 p F			
C 29	CC732CH1H101J	± 5%, 50V		1	
C 30	CER CAP	0.01 μ F			
C 31	CK732B1H103K	± 10%, 50V		1	
C 32	TA ELECTLT CAP	3.3 μ F			
C 33	CS732F10335M	± 20%, 20V		1	
C 34	CER CAP	150 p F			
C 35	CC732CH1H151J	± 5%, 50V		1	
C 36	CER CAP	150 p F			
C 37	CC732CH1H151J	± 5%, 50V		1	
C 38	CER CAP	150 p F			
C 39	CC732CH1H151J	± 5%, 50V		1	
C 40	NOT ASSIGNED				
C 41	AL ELECTLT CAP	220 μ F			
C 42	CE04C1A221A	± 20%, 10V		1	
C 43	CER CAP	0.1 μ F			
C 44	CK733B1H104K	± 10%, 50V		1	
C 45	CER CAP	4700 p F			
C 46	CK732B1H472K	± 10%, 50V		1	
C 47	CK732B1H472K	± 10%, 50V		1	

• Selected at Factory

DRAWING No. 34W99300 2/15

ANRITSU CORP.

Parts List of: A2-A4 LF SYNTH

Ref. No.	Part Code	Description	Rating	Qty	Note
C 47	CER CAP	0.01 μ F			
C 48	CK732B1H103K	± 10%, 50V		1	
C 49	CER CAP	0.01 μ F			
C 50	CK732B1H103K	± 10%, 50V		1	
C 51	CER CAP	4700 p F			
C 52	CK732B1H472K	± 10%, 50V		1	
C 53	CER CAP	0.01 μ F			
C 54	CK732B1H103K	± 10%, 50V		1	
C 55	CER CAP	0.01 μ F			
C 56	CK732B1H472K	± 10%, 50V		1	
C 57	NOT ASSIGNED				
C 58	NOT ASSIGNED				
C 59	CER CAP	0.01 μ F			
C 60	CK732B1H103K	± 10%, 50V		1	
C 61	AL ELECTLT CAP	220 μ F			
C 62	CE04C1A221A	± 20%, 10V		1	
C 63	CER CAP	0.01 μ F			
C 64	CK732B1H103K	± 10%, 50V		1	
C 65	CER CAP	0.01 μ F			
C 66	CK732B1H103K	± 10%, 50V		1	
C 67	CER CAP	47000 p F			
C 68	CK733B1H104K	± 10%, 50V		1	
C 69	CER CAP	0.01 μ F			
C 70	CK732B1H103K	± 10%, 50V		1	

• Selected at Factory

DRAWING No. 34W99300 3/15

ANRITSU CORP.

Parts List of: A2-A4 LF SYNTH

Ref. No.	Part Code	Description	Rating	Qty	Note
C 70	CER CAP	0.01 μ F			
C 71	CK732B1H103K	± 10%, 50V		1	
C 72	CER CAP	0.01 μ F			
C 73	NOT ASSIGNED				
C 74	NOT ASSIGNED				
C 75	AL ELECTLT CAP	220 μ F			
C 76	CE04C1E221A	± 20%, 25V		1	
C 77	AL ELECTLT CAP	220 μ F			
C 78	CE04C1E221A	± 20%, 25V		1	
C 79	CER CAP	0.01 μ F			
C 80	CK732B1H103K	± 10%, 50V		1	
C 81	CER CAP	1000 p F			
C 82	CK732B1H102K	± 10%, 50V		1	
C 83	CER CAP	0.01 μ F			
C 84	CK732B1H103K	± 10%, 50V		1	
C 85	CER CAP	0.01 μ F			
C 86	CK732B1H103K	± 10%, 50V		1	
C 87	CER CAP	0.01 μ F			
C 88	CK732B1H103K	± 10%, 50V		1	
C 89	CER CAP	1000 p F			
C 90	CK732B1H102K	± 10%, 50V		1	
C 91	CER CAP	0.01 μ F			
C 92	CK732B1H103K	± 10%, 50V		1	

• Selected at Factory

DRAWING No. 34W99300 4/15

ANRITSU CORP.

Parts List of: A2-A4 LF SYNTH

Ref. No.	Part Code	Description	Rating	Qty	Note
C 93	CER CAP	100 p F			
C 94	CC732CH1H101J	± 5%, 50V		1	
C 95	CER CAP	0.01 μ F			
C 96	CK732B1H103K	± 10%, 50V		1	
C 97	CER CAP	1000 p F			
C 98	CK732B1H102K	± 10%, 50V		1	
C 99	CER CAP	39 p F			
C 100	CC732CH1H390J	± 5%, 50V		1	
C 101	CER CAP	39 p F			
C 102	CK732B1H103K	± 10%, 50V		1	
C 103	CER CAP	0.01 μ F			
C 104	CK732B1H103K	± 10%, 50V		1	
C 105	CER CAP	0.01 μ F			
C 106	CK732B1H103K	± 10%, 50V		1	
C 107	CER CAP	150 p F			
C 108	CC732CH1H151J	± 5%, 50V		1	
C 109	TA ELECTLT CAP	0.47 μ F			
C 110	CS731E1V474M	± 20%, 35V		1	
C 111	CER CAP	39 p F			
C 112	CK732CH1H390J	± 5%, 50V		1	
C 113	NOT ASSIGNED				
C 114	NOT ASSIGNED				
C 115	NOT ASSIGNED				

• Selected at Factory

DRAWING No. 34W99300 5/15

ANRITSU CORP.

Parts List of: A2-A4 LF SYNTHE

Ref. No.	Part Code	Description	Rating	Qty	Note
C 116		NOT ASSIGNED			
C 117		NOT ASSIGNED			
C 118		NOT ASSIGNED			
C 119		NOT ASSIGNED			
C 120	CER CAP	1000 p F			
	CK732B1H102K	± 10%, 50V		1	
C 121	CER CAP	33 p F			
	CCT32CH1H330J	± 5%, 50V		1	
C 122	CER CAP	68 p F			
	CCT32CH1H680J	± 5%, 50V		1	
C 123	CER CAP	33 p F			
	CCT32CH1H330J	± 5%, 50V		1	
C 124	CER CAP	33 p F			
	CCT32CH1H330J	± 5%, 50V		1	
C 125	CER CAP	22 p F			
	CCT32CH1H220J	± 5%, 50V		1	
C 126	CER CAP	68 p F			
	CCT32CH1H680J	± 5%, 50V		1	
C 127	CER CAP	33 p F			
	CCT32CH1H330J	± 5%, 50V		1	
C 128	CER CAP	2200 p F			
	CK732B1H222K	± 10%, 50V		1	
C 129	CER CAP	0.01 μ F			
	CK732B1H103K	± 10%, 50V		1	
C 130	CER CAP	0.01 μ F			
	CK732B1H103K	± 10%, 50V		1	
C 131	CER CAP	0.01 μ F			
	CK732B1H103K	± 10%, 50V		1	
C 132	CER CAP	0.01 μ F			
	CK732B1H103K	± 10%, 50V		1	
C 133	CER CAP	0.01 μ F			
	CK732B1H103K	± 10%, 50V		1	
C 134	CER CAP	0.01 μ F			
	CK732B1H103K	± 10%, 50V		1	
C 135	CER CAP	0.01 μ F			
	CK732B1H103K	± 10%, 50V		1	
C 136	CER CAP	0.01 μ F			
	CK732B1H103K	± 10%, 50V		1	
C 137	CER CAP	0.01 μ F			
	CK732B1H103K	± 10%, 50V		1	
C 138	CER CAP	0.01 μ F			
	CK732B1H103K	± 10%, 50V		1	
Dep.					
• Selected at factory					
DRAWING: 34W99300				0/15	
ANRITSU CORP.					

Parts List of: A2-A4 LF SYNTHE

Ref. No.	Part Code	Description	Rating	Qty	Note
C 139	CER CAP	0.01 μ F			
	CK732B1H103K	± 10%, 50V		1	
C 140	CER CAP	0.01 μ F			
	CK732B1H103K	± 10%, 50V		1	
C 141	AL ELECTLT CAP	47 μ F			
	CE04C1E470A	± 20%, 25V		1	
C 142	CER CAP	0.01 μ F			
	CK732B1H103K	± 10%, 50V		1	
E 1		CHECK TERMINAL			
	00292			1	
E 2		CHECK TERMINAL			
	00292			1	
L 1	INDUCTOR	100 μ H			
	TSL0707-101KR66			1	
L 2	INDUCTOR	100 μ H			
	TSL0707-101KR66			1	
L 3	INDUCTOR	100 μ H			
	TSL0707-101KR66			1	
L 4		NOT ASSIGNED			
L 5	INDUCTOR	1.0 μ H, ± 10%			
	NL453232-1R0K			1	
L 6	INDUCTOR				
	10K13-35T			1	
L 7	INDUCTOR	10 μ H, ± 10%			
	NL453232-100K			1	
L 8		NOT ASSIGNED			
L 9		NOT ASSIGNED			
L 10		NOT ASSIGNED			
L 11	INDUCTOR	100 μ H			
	TSL0707-101KR66			1	
L 12	INDUCTOR	22 μ H, ± 10%			
	NL453232-220K			1	
L 13	INDUCTOR	22 μ H, ± 10%			
	NL453232-220K			1	
L 14	INDUCTOR	22 μ H, ± 10%			
	NL453232-220K			1	
L 15	INDUCTOR	22 μ H, ± 10%			
	NL453232-220K			1	
Dep.					
• Selected at factory					
DRAWING: 34W99300				7/15	
ANRITSU CORP.					

Parts List of: A2-A4 LF SYNTHE

Ref. No.	Part Code	Description	Rating	Qty	Note
L 16	INDUCTOR	6.8 μ H, ± 10%			
	SP0408-6R8K			1	
L 17	INDUCTOR	10K13-45T			
				1	
L 18	INDUCTOR	6.8 μ H, ± 10%			
	SP0408-6R8K			1	
L 19	INDUCTOR	10K13-35T			
				1	
L 20	INDUCTOR	0.1 μ H			
	NL322522-R10K			1	
L 21	INDUCTOR	0.1 μ H			
	NL322522-R10K			1	
L 22	INDUCTOR	10 μ H, ± 10%			
	NL453232-100K			1	
L 23	INDUCTOR	0.47 μ H, ± 10%			
	NL322522-R47K			1	
L 24		NOT ASSIGNED			
L 25	INDUCTOR	0.68 μ H, ± 10%			
	NL322522-R68K			1	
L 26	INDUCTOR	0.68 μ H, ± 10%			
	NL322522-R68K			1	
L 27	INDUCTOR	0.68 μ H, ± 10%			
	NL322522-R68K			1	
L 28	INDUCTOR	0.68 μ H, ± 10%			
	NL322522-R68K			1	
L 29	INDUCTOR	0.15 μ H, ± 10%			
	NL322522-R15K			1	
L 30	INDUCTOR	0.15 μ H, ± 10%			
	NL322522-R15K			1	
L 31	INDUCTOR	0.22 μ H, ± 10%			
	NL322522-R22K			1	
L 32	INDUCTOR	0.22 μ H, ± 10%			
	NL322522-R22K			1	
Q 1	IC				
	74HC14F			1	
Q 2	IC				
	74HC04F			1	
Q 3	IC				
	PLL2001S			1	
Q 4	IC				
	NJM5532MD			1	
Q 5	DIODE				
	A1SS123			1	
Dep.					
• Selected at factory					
DRAWING: 34W99300				8/15	
ANRITSU CORP.					

Parts List of: A2-A4 LF SYNTHE

Ref. No.	Part Code	Description	Rating	Qty	Note
Q 6	HYBRID IC				
	MT-18			1	
Q 7	DIODE				
	1SV166			1	
Q 8	DIODE				
	1SV166			1	
Q 9	DIODE				
	1SV166			1	
Q 10	IC				
	μ PC1652G			1	
Q 11	IC				
	74AS00F			1	
Q 12	IC				
	74AS74F			1	
Q 13	IC				
	74HC390F			1	
Q 14	IC				
	74LS74F			1	
Q 15		NOT ASSIGNED			
Q 16		NOT ASSIGNED			
Q 17		NOT ASSIGNED			
Q 18		NOT ASSIGNED			
Q 19		NOT ASSIGNED			
Q 20		NOT ASSIGNED			
Q 21	IC				
	74HC4094F			1	
Q 22		NOT ASSIGNED			
Q 23		NOT ASSIGNED			
Q 24	IC				
	PLL2001S			1	
Q 25	IC				
	NJM5532MD			1	
Q 26	IC				
	NJM5532MD			1	
Q 27	DIODE				
	A1SS123			1	
Q 28	DIODE				
	1SV166			1	
Dep.					
• Selected at factory					
DRAWING: 34W99300				9/15	
ANRITSU CORP.					

Parts List of: A2-A4 LF SYNTH

Ref. No.	Part Code	Description	Rating	Qty	Note
Q 29		DIODE 1SV166		1	
Q 30		DIODE 1SV166		1	
Q 31		HYBRID IC MT-18		1	
Q 32		DIODE 1SV128A		1	
Q 33		DIODE 1SV128A		1	
Q 34		DIODE 1SV166		1	
Q 35		DIODE 1SV166		1	
Q 36		DIODE 1SV166		1	
Q 37		HYBRID IC MT-18		1	
Q 38		DIODE 1SV128A		1	
Q 39		DIODE 1SV128A		1	
Q 40		IC μ PC1652G		1	
Q 41		IC NJU201AM		1	
Q 42		IC 74AS00F		1	
Q 43		IC 74AS00F		1	
Q 44		IC μ PC1652G		1	
Q 45		IC 74AS74F		1	
Q 46		TRANSISTOR 2SA812		1	
Q 47		DIODE 1SV128A		1	
Q 48		DIODE 1SV128A		1	
Q 49		DIODE 1SV128A		1	
Q 50		DIODE 1SV128A		1	
Dep.					
• Separated by Functions			DRAWING No. 34W99300		10/15
ANRITSU CORP.					

Parts List of: A2-A4 LF SYNTH

Ref. No.	Part Code	Description	Rating	Qty	Note
R 1		CERMET RESISTOR RK73M2A104J	100KΩ ± 5%, 1/10W	1	
R 2		CERMET RESISTOR RK73M2A222J	2.2KΩ ± 5%, 1/10W	1	
R 3		CERMET RESISTOR RK73M2A222J	2.2KΩ ± 5%, 1/10W	1	
R 4		CERMET RESISTOR RK73M2A333J	33KΩ ± 5%, 1/10W	1	
R 5		CERMET RESISTOR RK73M2A333J	33KΩ ± 5%, 1/10W	1	
R 6		NOT ASSIGNED			
R 7		CERMET RESISTOR RK73M2A332J	3.3KΩ ± 5%, 1/10W	1	
R 8		CERMET RESISTOR RK73M2A822J	8.2KΩ ± 5%, 1/10W	1	
R 9		CERMET RESISTOR RK73M2A103J	10KΩ ± 5%, 1/10W	1	
R 10		CERMET RESISTOR RK73M2A471J	470Ω ± 5%, 1/10W	1	
R 11		CERMET RESISTOR RK73M2A103J	10KΩ ± 5%, 1/10W	1	
R 12		CERMET RESISTOR RK73M2A102J	1KΩ ± 5%, 1/10W	1	
R 13		CERMET RESISTOR RK73M2A103J	10KΩ ± 5%, 1/10W	1	
R 14		CERMET RESISTOR RK73M2A104J	100KΩ ± 5%, 1/10W	1	
R 15		CERMET RESISTOR RK73M2A101J	100Ω ± 5%, 1/10W	1	
R 16		CERMET RESISTOR RK73M2A101J	100Ω ± 5%, 1/10W	1	
R 17		CERMET RESISTOR RK73M2A103J	10KΩ ± 5%, 1/10W	1	
R 18		CERMET RESISTOR RK73M2A472J	4.7KΩ ± 5%, 1/10W	1	
R 19		NOT ASSIGNED			
R 20		NOT ASSIGNED			
R 21		NOT ASSIGNED			
R 22		NOT ASSIGNED			
R 23		NOT ASSIGNED			
Dep.					
* Delivered at 100000			DRAWING No. 34W99300		11/15
ANRITSU CORP.					

Parts List of: A2-A4 LF SYNTH

Ref. No.	Part Code	Description	Rating	Qty	Note
R 24		NOT ASSIGNED			
R 25		NOT ASSIGNED			
R 26		NOT ASSIGNED			
R 27		NOT ASSIGNED			
R 28		NOT ASSIGNED			
R 29		NOT ASSIGNED			
R 30		NOT ASSIGNED			
R 31		CERMET RESISTOR RK73M2A681J	680Ω ± 5%, 1/10W	1	
R 32		CERMET RESISTOR RK73M2A221J	220Ω ± 5%, 1/10W	1	
R 33		CERMET RESISTOR RK73M2A680J	68Ω ± 5%, 1/10W	1	
R 34		CERMET RESISTOR RK73M2A151J	150Ω ± 5%, 1/10W	1	
R 35		CERMET RESISTOR RK73M2A390J	39Ω ± 5%, 1/10W	1	
R 36		CERMET RESISTOR RK73M2A151J	150Ω ± 5%, 1/10W	1	
R 37		CERMET RESISTOR RK73M2A221J	220Ω ± 5%, 1/10W	1	
R 38		CERMET RESISTOR RK73M2A680J	68Ω ± 5%, 1/10W	1	
R 39		CERMET RESISTOR RK73M2A151J	150Ω ± 5%, 1/10W	1	
R 40		CERMET RESISTOR RK73M2A390J	39Ω ± 5%, 1/10W	1	
R 41		CERMET RESISTOR RK73M2A151J	150Ω ± 5%, 1/10W	1	
R 42		NOT ASSIGNED			
R 43		CERMET RESISTOR RK73M2A100J	10Ω ± 5%, 1/10W	1	
R 44		CERMET RESISTOR RK73M2A473J	47KΩ ± 5%, 1/10W	1	
R 45		CERMET RESISTOR RK73M2A472J	4.7KΩ ± 5%, 1/10W	1	
R 46		CERMET RESISTOR RK73M2A472J	4.7KΩ ± 5%, 1/10W	1	
Dep.		* Selected at factory			
DRAWING No. 34W99300				12/15	
ANRITSU CORP.					

Parts List of: A2-A4 LF SYNTH

Ref. No.	Part Code	Description	Rating	Qty	Note
R 47		CERMET RESISTOR RK73M2A103J	10KΩ ± 5%, 1/10W	1	
R 48		CERMET RESISTOR RK73M2A103J	10KΩ ± 5%, 1/10W	1	
R 49		CERMET RESISTOR RK73M2A102J	1KΩ ± 5%, 1/10W	1	
R 50		CERMET RESISTOR RK73M2A272J	2.7KΩ ± 5%, 1/10W	1	
R 51		CERMET RESISTOR RK73M2A822J	8.2KΩ ± 5%, 1/10W	1	
R 52		CERMET RESISTOR RK73M2A103J	10KΩ ± 5%, 1/10W	1	
R 53		NOT ASSIGNED			
R 54		NOT ASSIGNED			
R 55		NOT ASSIGNED			
R 56		NOT ASSIGNED			
R 57		CERMET RESISTOR RK73M2A473J	47KΩ ± 5%, 1/10W	1	
R 58		CERMET RESISTOR RK73M2A223J	22KΩ ± 5%, 1/10W	1	
R 59		CERMET RESISTOR RK73M2A121J	120Ω ± 5%, 1/10W	1	
R 60		CERMET RESISTOR RK73M2A103J	10KΩ ± 5%, 1/10W	1	
R 61		CERMET RESISTOR RK73M2A100J	10Ω ± 5%, 1/10W	1	
R 62		CERMET RESISTOR RK73M2A102J	1KΩ ± 5%, 1/10W	1	
R 63		CERMET RESISTOR RK73M2A103J	10KΩ ± 5%, 1/10W	1	
R 64		CERMET RESISTOR RK73M2A472J	4.7KΩ ± 5%, 1/10W	1	
R 65		CERMET RESISTOR RK73M2A103J	10KΩ ± 5%, 1/10W	1	
R 66		CERMET RESISTOR RK73M2A101J	100Ω ± 5%, 1/10W	1	
R 67		CERMET RESISTOR RK73M2A102J	1KΩ ± 5%, 1/10W	1	
R 68		CERMET RESISTOR RK73M2A470J	47Ω ± 5%, 1/10W	1	
R 69		CERMET RESISTOR RK73M2A101J	100Ω ± 5%, 1/10W	1	
Dep.		* Specified in drawing			34W99300
					13/15

ANRITSU CORP.

Parts List of: A2-A4 LF SYNTHE

Ref. No.	Part Code	Description	Rating	Qty	Note
R 70		CERMET RESISTOR RK73M2A473J	47KΩ ± 5%, 1/10W	1	
R 71		CERMET RESISTOR RK73M2A221J	220Ω ± 5%, 1/10W	1	
R 72		CERMET RESISTOR RK73M2A473J	47KΩ ± 5%, 1/10W	1	
R 73		CERMET RESISTOR RK73M2A221J	220Ω ± 5%, 1/10W	1	
R 74		CERMET RESISTOR RK73M2A472J	4.7KΩ ± 5%, 1/10W	1	
R 75		CERMET RESISTOR RK73M2A471J	470Ω ± 5%, 1/10W	1	
R 76		CERMET RESISTOR RK73M2A510J	510Ω ± 5%, 1/10W	1	
R 77		CERMET RESISTOR RK73M2A331J	330Ω ± 5%, 1/10W	1	
R 78		CERMET RESISTOR RK73M2A150J	150Ω ± 5%, 1/10W	1	
R 79		CERMET RESISTOR RK73M2A331J	330Ω ± 5%, 1/10W	1	
R 80		CERMET RESISTOR RK73M2A331J	330Ω ± 5%, 1/10W	1	
R 81		CERMET RESISTOR RK73M2A150J	150Ω ± 5%, 1/10W	1	
R 82		CERMET RESISTOR RK73M2A331J	330Ω ± 5%, 1/10W	1	
R 83		CERMET RESISTOR RK73M2A150J	150Ω ± 5%, 1/10W	1	
R 84		CERMET RESISTOR RK73M2A150J	150Ω ± 5%, 1/10W	1	
R 85		CERMET RESISTOR RK73M2A150J	150Ω ± 5%, 1/10W	1	
R 86		CERMET RESISTOR RK73M2A470J	470Ω ± 5%, 1/10W	1	
R 87		CERMET RESISTOR RK73M2A101J	100Ω ± 5%, 1/10W	1	
R 88		CERMET RESISTOR RK73M2A471J	470Ω ± 5%, 1/10W	1	
R 89		CERMET RESISTOR RK73M2A471J	470Ω ± 5%, 1/10W	1	
R 90		CERMET RESISTOR RK73M2A471J	470Ω ± 5%, 1/10W	1	
R 91		CERMET RESISTOR RK73M2A471J	470Ω ± 5%, 1/10W	1	
R 92		CERMET RESISTOR RK73M2A470J	470Ω ± 5%, 1/10W	1	
Dep.			DRAWING: 34W99300 14/15		
			ANRITSU CORP.		

Parts List of: A2-A4 LF SYNTHE

Ref. No.	Part Code	Description	Rating	Qty	Note
R 93		NOT ASSIGNED			
R 94		CERMET RESISTOR RK73M2A100J	10Ω ± 5%, 1/10W	1	
Z 1		MIXER M-8		1	
Z 2		MIXER M-8		1	
Z 3		90° HYBRID PDQ-5H1-8P	40 TO 80MHZ	1	
Dep.			DRAWING: 34W99300 15/15		
			ANRITSU CORP.		

Parts List of: A2-A5 20MHZ STEP

Ref. No.	Part Code	Description	Rating	Qty	Note
C 1		NOT ASSIGNED			
C 2		AL ELECTLT CAP CE04C1A471A	470μ F ± 20%, 10V	1	
C 3		AL ELECTLT CAP CE04C1E331A	330μ F ± 20%, 25V	1	
C 4		AL ELECTLT CAP CE04C1E331A	330μ F ± 20%, 25V	1	
C 5		AL ELECTLT CAP CE04C1H470A	47μ F ± 20%, 50V	1	
C 6		CER CAP CK732B1H103K	0.01μ F ± 10%, 50V	1	
C 7		CER CAP CK732B1H103K	0.01μ F ± 10%, 50V	1	
C 8		CER CAP CK732B1H103K	0.01μ F ± 10%, 50V	1	
C 9		CER CAP CK732B1H103K	0.01μ F ± 10%, 50V	1	
C 10		CER CAP CK732B1H103K	0.01μ F ± 10%, 50V	1	
C 11		CER CAP CK732B1H103K	0.01μ F ± 10%, 50V	1	
C 12		NOT ASSIGNED			
C 13		NOT ASSIGNED			
C 14		NOT ASSIGNED			
C 15		NOT ASSIGNED			
C 16		NOT ASSIGNED			
C 17		NOT ASSIGNED			
C 18		NOT ASSIGNED			
C 19		NOT ASSIGNED			
C 20		AL ELECTLT CAP CE04C1A101A	100μ F ± 20%, 10V	1	
C 21		CER CAP CK732B1H103K	0.01μ F ± 10%, 50V	1	
C 22		CER CAP CK732B1H103K	0.01μ F ± 10%, 50V	1	
C 23		NOT ASSIGNED			
Dep.			DRAWING: 34W99301 1/39		
			ANRITSU CORP.		

Parts List of: A2-A5 20MHZ STEP

Ref. No.	Part Code	Description	Rating	Qty	Note
C 24		CER CAP CC732CH1H330J	33 p F ± 5%, 50V	1	
C 25		CER CAP CC732CH1H331J	330 p F ± 5%, 50V	1	
C 26		NOT ASSIGNED			
C 27		CER CAP CC732CH1H471J	470 p F ± 5%, 50V	1	
C 28		CER CAP CC732CH1H330J	33 p F ± 5%, 50V	1	
C 29		CER CAP CC732CH1H331J	330 p F ± 5%, 50V	1	
C 30		NOT ASSIGNED			
C 31		CER CAP CC732CH1H471J	470 p F ± 5%, 50V	1	
C 32		CER CAP CK732B1H103K	0.01μ F ± 10%, 50V	1	
C 33		CER CAP CK732B1H103K	0.01μ F ± 10%, 50V	1	
C 34		CER CAP CK732B1H103K	0.01μ F ± 10%, 50V	1	
C 35		CER CAP CC732CH1H331J	330 p F ± 5%, 50V	1	
C 36		NOT ASSIGNED			
C 37		CER CAP CC732CH1H471J	470 p F ± 5%, 50V	1	
C 38		CER CAP CC732CH1H330J	33 p F ± 5%, 50V	1	
C 39		CER CAP CC732CH1H331J	330 p F ± 5%, 50V	1	
C 40		NOT ASSIGNED			
C 41		CER CAP CC732CH1H471J	470 p F ± 5%, 50V	1	
C 42		CER CAP CK732B1H103K	0.01μ F ± 10%, 50V	1	
C 43		NOT ASSIGNED			
C 44		NOT ASSIGNED			
C 45		CER CAP CK732B1H103K	0.01μ F ± 10%, 50V	1	
C 46		CER CAP CC732CH1H820J	82 p F ± 5%, 50V	1	
Dep.			DRAWING: 34W99301 2/39		
			ANRITSU CORP.		

Parts List of: A2-A5 20MHZ STEP

Ref. No.	Part Code	Description	Rating	Qty	Note
C 47	CER CAP	150p F			
	CC732CH1H151J	- 5%, 50V		1	
C 48	CER CAP	82p F			
	CC732CH1H820J	- 5%, 50V		1	
C 49	CER CAP	22p F			
	CC732CH1H220J	- 5%, 50V		1	
C 50	CER CAP	0.01μ F			
	CK732B1H103K	- 10%, 50V		1	
C 51	CER CAP	0.01μ F			
	CK732B1H103K	- 10%, 50V		1	
C 52	CER CAP	0.01μ F			
	CK732B1H103K	- 10%, 50V		1	
C 53	CER CAP	0.01μ F			
	CK732B1H103K	- 10%, 50V		1	
C 54	NOT ASSIGNED				
C 55	AL ELECTLT CAP	100μ F			
	CE04C1A101A	- 20%, 10V		1	
C 56	AL ELECTLT CAP	220μ F			
	CE04C1A221A	- 20%, 10V		1	
C 57	CER CAP	0.01μ F			
	CK732B1H103K	- 10%, 50V		1	
C 58	CER CAP	470p F			
	CC732CH1H471J	- 5%, 50V		1	
C 59	CER CAP	470p F			
	CC732CH1H471J	- 5%, 50V		1	
C 60	CER CAP	0.01μ F			
	CK732B1H103K	- 10%, 50V		1	
C 61	CER CAP	100p F			
	CC732CH1H101J	- 5%, 50V		1	
C 62	CER CAP	100p F			
	CC732CH1H101J	- 5%, 50V		1	
C 63	CER CAP	0.01μ F			
	CK732B1H103K	- 10%, 50V		1	
C 64	CER CAP	1000p F			
	CK732B1H102K	- 10%, 50V		1	
C 65	CER CAP	0.01μ F			
	CK732B1H103K	- 10%, 50V		1	
C 66	CER CAP	1000p F			
	CK732B1H102K	- 10%, 50V		1	
C 67	CER CAP	0.01μ F			
	CK732B1H103K	- 10%, 50V		1	
C 68	CER CAP	0.01μ F			
	CK732B1H103K	- 10%, 50V		1	
C 69	CER CAP	0.01μ F			
	CK732B1H103K	- 10%, 50V		1	
* Selected at factory					DRAWING No. 34W99301 3/39
ANRITSU CORP.					

Parts List of: A2-A5 20MHZ STEP

Ref. No.	Part Code	Description	Rating	Qty	Note
C 70	NOT ASSIGNED				
C 71	AL ELECTLT CAP	33μ F			
	CE04C1V330A	- 20%, 35V		1	
C 72	AL ELECTLT CAP	47μ F			
	CE04C1E470A	- 20%, 25V		1	
C 73	NOT ASSIGNED				
C 74	NOT ASSIGNED				
C 75	NOT ASSIGNED				
C 76	CER CAP	0.01μ F			
	CK732B1H103K	- 10%, 50V		1	
C 77	AL ELECTLT CAP	100μ F			
	CE04C1E101A	- 20%, 25V		1	
C 78	CER CAP	0.01μ F			
	CK732B1H103K	- 10%, 50V		1	
C 79	CER CAP	0.01μ F			
	CK732B1H103K	- 10%, 50V		1	
C 80	CER CAP	0.01μ F			
	CK732B1H103K	- 10%, 50V		1	
C 81	CER CAP	0.01μ F			
	CK732B1H103K	- 10%, 50V		1	
C 82	CER CAP	0.01μ F			
	CK732B1H103K	- 10%, 50V		1	
C 83	CER CAP	0.01μ F			
	CK732B1H103K	- 10%, 50V		1	
C 84	CER CAP	0.01μ F			
	CK732B1H103K	- 10%, 50V		1	
C 85	CER CAP	0.01μ F			
	CK732B1H103K	- 10%, 50V		1	
C 86	CER CAP	0.01μ F			
	CK732B1H103K	- 10%, 50V		1	
C 87	CER CAP	12p F			
	CC732CH1H120J	- 5%, 50V		1	
C 88	CER CAP	56p F			
	CC732CH1H560J	- 5%, 50V		1	
C 89	CER CAP	5p F, 50V			
	CC732CH1H050D	- 0.5p F		1	
C 90	CER CAP	5p F, 50V			
	CC732CH1H050D	- 0.5p F		1	
C 91	CER CAP	5p F, 50V			
	CC732CH1H050D	- 0.5p F		1	
C 92	NOT ASSIGNED				
* Selected at factory					DRAWING No. 34W99301 4/39
ANRITSU CORP.					

Parts List of: A2-A5 20MHZ STEP

Ref. No.	Part Code	Description	Rating	Qty	Note
C 93	NOT ASSIGNED				
C 94	NOT ASSIGNED				
C 95	NOT ASSIGNED				
C 96	CER CAP	2p F, 50V			
	CC732CK1H020C	- 0.25p F		1	
C 97	CER CAP	2p F, 50V			
	CC732CK1H020C	- 0.25p F		1	
C 98	CER CAP	100p F			
	CC732CH1H101J	- 5%, 50V		1	
C 99	CER CAP	0.01μ F			
	CK732B1H103K	- 10%, 50V		1	
C 100	CER CAP	0.01μ F			
	CK732B1H103K	- 10%, 50V		1	
C 101	CER CAP	100p F			
	CC732CH1H101J	- 5%, 50V		1	
C 102	CER CAP	0.01μ F			
	CK732B1H103K	- 10%, 50V		1	
C 103	CER CAP	1000p F			
	CK732B1H102K	- 10%, 50V		1	
C 104	NOT ASSIGNED				
C 105	NOT ASSIGNED				
C 106	NOT ASSIGNED				
C 107	NOT ASSIGNED				
C 108	NOT ASSIGNED				
C 109	NOT ASSIGNED				
C 110	NOT ASSIGNED				
C 111	NOT ASSIGNED				
C 112	NOT ASSIGNED				
C 113	NOT ASSIGNED				
C 114	NOT ASSIGNED				
C 115	NOT ASSIGNED				
* Selected at factory					DRAWING No. 34W99301 5/39
ANRITSU CORP.					

Parts List of: A2-A5 20MHZ STEP

Ref. No.	Part Code	Description	Rating	Qty	Note
C 116	NOT ASSIGNED				
C 117	NOT ASSIGNED				
C 118	NOT ASSIGNED				
C 119	NOT ASSIGNED				
C 120	NOT ASSIGNED				
C 121	CER CAP	15p F			
	CC732CH1H150J	- 5%, 50V		1	
C 122	CER CAP	15p F			
	CC732CH1H150J	- 5%, 50V		1	
C 123	CER CAP	1000p F			
	CK732B1H102K	- 10%, 50V		1	
C 124	CER CAP	0.01μ F			
	CK732B1H103K	- 10%, 50V		1	
C 125	CER CAP	0.01μ F			
	CK732B1H103K	- 10%, 50V		1	
C 126	CER CAP	1000p F			
	CK732B1H102K	- 10%, 50V		1	
C 127	CER CAP	15p F			
	CC732CH1H150J	- 5%, 50V		1	
C 128	CER CAP	15p F			
	CC732CH1H150J	- 5%, 50V		1	
C 129	NOT ASSIGNED				
C 130	NOT ASSIGNED				
C 131	CER CAP	1000p F			
	CK732B1H102K	- 10%, 50V		1	
C 132	CER CAP	0.01μ F			
	CK732B1H103K	- 10%, 50V		1	
C 133	CER CAP	0.01μ F			
	CK732B1H103K	- 10%, 50V		1	
C 134	CER CAP	100p F			
	CC732CH1H101J	- 5%, 50V		1	
C 135	CER CAP	1000p F			
	CK732B1H102K	- 10%, 50V		1	
C 136	CER CAP	0.01μ F			
	CK732B1H103K	- 10%, 50V		1	
C 137	CER CAP	1000p F			
	CK732B1H102K	- 10%, 50V		1	
C 138	NOT ASSIGNED				
* Selected at factory					DRAWING No. 34W99301 6/39
ANRITSU CORP.					

Parts List of: A2-A5 20MHZ STEP

Ref. No.	Part Code	Description	Rating	Qty	Note
C 139		NOT ASSIGNED			
C 140		NOT ASSIGNED			
C 141	CER CAP	12p F			
C 142	CC732CH1H120J	± 5%, 50V	1		
C 143	CER CAP	12p F			
C 143	CC732CH1H120J	± 5%, 50V	1		
C 143	CER CAP	1p F, 50V			
C 143	CC732CK1H010C	± 0.25p F	1		
C 144	CER CAP	100p F			
C 144	CC732CH1H101J	± 5%, 50V	1		
C 145	CER CAP	100p F			
C 145	CC732CH1H101J	± 5%, 50V	1		
C 146		NOT ASSIGNED			
C 147	CER CAP	0.01μ F			
C 147	CK732B1H103K	± 10%, 50V	1		
C 148	CER CAP	0.01μ F			
C 148	CK732B1H103K	± 10%, 50V	1		
C 149	CER CAP	100p F			
C 149	CC732CH1H101J	± 5%, 50V	1		
C 150	CER CAP	100p F			
C 150	CC732CH1H101J	± 5%, 50V	1		
C 151	CER CAP	100p F			
C 151	CC732CH1H101J	± 5%, 50V	1		
C 152	CER CAP	100p F			
C 152	CC732CH1H101J	± 5%, 50V	1		
C 153	CER CAP	100p F			
C 153	CC732CH1H101J	± 5%, 50V	1		
C 154	CER CAP	100p F			
C 154	CC732CH1H101J	± 5%, 50V	1		
C 155	CER CAP	2p F, 50V			
C 155	CC732CK1H020C	± 0.25p F	1		
C 156	CER CAP	2p F, 50V			
C 156	CC732CK1H020C	± 0.25p F	1		
C 157		NOT ASSIGNED			
C 158	CER CAP	0.01μ F			
C 158	CK732B1H103K	± 10%, 50V	1		
C 159	CER CAP	100p F			
C 159	CC732CH1H101J	± 5%, 50V	1		
C 160	CER CAP	2p F, 50V			
C 160	CC732CK1H020C	± 0.25p F	1		
C 161	CER CAP	2p F, 50V			
C 161	CC732CK1H020C	± 0.25p F	1		

• Selected at factory

DRAWING № 34W99301 7/39

ANRITSU CORP.

Parts List of: A2-A5 20MHZ STEP

Ref. No.	Part Code	Description	Rating	Qty	Note
C 162	CER CAP	27p F			
C 162	CC732CH1H270J	± 5%, 50V	1		
C 163	CER CAP	2p F, 50V			
C 163	CC732CK1H020C	± 0.25p F	1		
C 164	AL ELECTLT CAP	100μ F			
C 164	CE04C1A101A	± 20%, 10V	1		
C 165	CER CAP	100p F			
C 165	CC732CH1H101J	± 5%, 50V	1		
C 166		NOT ASSIGNED			
C 167	CER CAP	4p F, 50V			
C 167	CC732CH1H040D	± 0.5p F	1		
C 168	CER CAP	0.01μ F			
C 168	CK732B1H103K	± 10%, 50V	1		
C 169	CER CAP	3p F, 50V			
C 169	CC732CJ1H030C	± 0.25p F	1		
C 170	CER CAP	5p F, 50V			
C 170	CC732CH1H050D	± 0.5p F	1		
C 171	CER CAP	3p F, 50V			
C 171	CC732CJ1H030C	± 0.25p F	1		
C 172	CER CAP	100p F			
C 172	CC732CH1H101J	± 5%, 50V	1		
C 173	CER CAP	0.01μ F			
C 173	CK732B1H103K	± 10%, 50V	1		
C 174	CER CAP	1000p F			
C 174	CK732B1H102K	± 10%, 50V	1		
C 175	CER CAP	1000p F			
C 175	CK732B1H102K	± 10%, 50V	1		
C 176	CER CAP	1000p F			
C 176	CK732B1H102K	± 10%, 50V	1		
C 177	CER CAP	1000p F			
C 177	CK732B1H102K	± 10%, 50V	1		
C 178	CER CAP	1000p F			
C 178	CK732B1H102K	± 10%, 50V	1		
C 179	CER CAP	1000p F			
C 179	CK732B1H102K	± 10%, 50V	1		
C 180		NOT ASSIGNED			
C 181		NOT ASSIGNED			
C 182		NOT ASSIGNED			
C 183		NOT ASSIGNED			
C 184		NOT ASSIGNED			

• Selected at factory

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ANRITSU CORP.

Parts List of: A2-A5 20MHZ STEP

Ref. No.	Part Code	Description	Rating	Qty	Note
C 185		NOT ASSIGNED			
C 186		NOT ASSIGNED			
C 187		NOT ASSIGNED			
C 188		NOT ASSIGNED			
C 189		NOT ASSIGNED			
C 190		NOT ASSIGNED			
C 191	CER CAP	3p F, 50V			
C 191	CC732CJ1H030C	± 0.25p F	1		
C 192	CER CAP	9p F, 50V			
C 192	CC732CH1H090D	± 0.5p F	1		
C 193	CER CAP	47000p F			
C 193	CK733B1H473K	± 10%, 50V	1		
C 194	CER CAP	3p F, 50V			
C 194	CC732CJ1H030C	± 0.25p F	1		
C 195	CER CAP	9p F, 50V			
C 195	CC732CH1H090D	± 0.5p F	1		
C 196	CER CAP	4p F, 50V			
C 196	CC732CH1H040D	± 0.5p F	1		
C 197	CER CAP	1p F, 50V			
C 197	CC732CK1H010C	± 0.25p F	1		
C 198	CER CAP	0.01μ F			
C 198	CK732B1H103K	± 10%, 50V	1		
C 199	CER CAP	0.01μ F			
C 199	CK732B1H103K	± 10%, 50V	1		
C 200	CER CAP	1000p F			
C 200	CK732B1H102K	± 10%, 50V	1		
C 201	CER CAP	1000p F			
C 201	CK732B1H102K	± 10%, 50V	1		
C 202	CER CAP	1000p F			
C 202	CK732B1H102K	± 10%, 50V	1		
C 203	CER CAP	3p F, 50V			
C 203	CC732CJ1H030C	± 0.25p F	1		
C 204	CER CAP	3p F, 50V			
C 204	CC732CJ1H030C	± 0.25p F	1		
C 205	CER CAP	5p F, 50V			
C 205	CC732CH1H050D	± 0.5p F	1		
C 206	CER CAP	100p F			
C 206	CC732CH1H101J	± 5%, 50V	1		
C 207	CER CAP	100p F			
C 207	CC732CH1H101J	± 5%, 50V	1		

• Selected at factory

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ANRITSU CORP.

Parts List of: A2-A5 20MHZ STEP

Ref. No.	Part Code	Description	Rating	Qty	Note
C 208	CER CAP	100p F			
C 208	CC732CH1H101J	± 5%, 50V	1		
C 209	CER CAP	100p F			
C 209	CC732CH1H101J	± 5%, 50V	1		
C 210	CER CAP	100p F			
C 210	CC732CH1H101J	± 5%, 50V	1		
C 211	CER CAP	0.01μ F			
C 211	CK732B1H103K	± 10%, 50V	1		
C 212	CER CAP	0.01μ F			
C 212	CK732B1H103K	± 10%, 50V	1		
C 213	CER CAP	0.01μ F			
C 213	CK732B1H103K	± 10%, 50V	1		
C 214	CER CAP	0.01μ F			
C 214	CK732B1H103K	± 10%, 50V	1		
C 215	CER CAP	0.01μ F			
C 215	CK732B1H103K	± 10%, 50V	1		
C 216	CER CAP	1000p F			
C 216	CK732B1H102K	± 10%, 50V	1		
C 217	CER CAP	1000p F			
C 217	CK732B1H102K	± 10%, 50V	1		
C 218	CER CAP	1000p F			
C 218	CK732B1H102K	± 10%, 50V	1		
C 219	CER CAP	1000p F			
C 219	CK732B1H102K	± 10%, 50V	1		
C 220	CER CAP	1000p F			
C 220	CK732B1H102K	± 10%, 50V	1		
C 221	CER CAP	1000p F			
C 221	CK732B1H102K	± 10%, 50V	1		
C 222	CER CAP	1000p F			
C 222	CK732B1H102K	± 10%, 50V	1		
C 223		NOT ASSIGNED			
C 224		NOT ASSIGNED			
C 225		NOT ASSIGNED			
C 226		NOT ASSIGNED			
C 227		NOT ASSIGNED			
C 228		NOT ASSIGNED			
C 229		NOT ASSIGNED			
C 230		NOT ASSIGNED			

• Selected at factory

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ANRITSU CORP.



Parts List of: A2-A5 20MHZ STEP

Ref. No.	Part Code	Description	Rating	Qty	Note
C 231		CER CAP	5 p F, 50V		
C 232		CC732CH1H050D	± 0.5 p F	1	
C 233		NOT ASSIGNED			
C 234		CER CAP	0.01 μ F		
C 235		CK732B1H103K	± 10%, 50V	1	
		CER CAP	100 p F		
		CC732CH1H101J	± 5%, 50V	1	
C 236		CER CAP	5 p F, 50V		
C 237		CC732CH1H050D	± 0.5 p F	1	
C 238		CER CAP	0.01 μ F		
C 239		CK732B1H103K	± 10%, 50V	1	
		CER CAP	100 p F		
		CC732CH1H101J	± 5%, 50V	1	
C 239		CER CAP	1 p F, 50V		
C 240		CC732CK1H010C	± 0.25 p F	1	
		CER CAP	5 p F, 50V		
		CC732CH1H050D	± 0.5 p F	1	
C 241		CER CAP	3 p F, 50V		
C 242		CC732CJ1H030C	± 0.25 p F	1	
C 243		CER CAP	2 p F, 50V		
		CC732CK1H020C	± 0.25 p F	1	
C 244		NOT ASSIGNED			
C 245		NOT ASSIGNED			
C 246		NOT ASSIGNED			
C 247		NOT ASSIGNED			
C 248		NOT ASSIGNED			
C 249		NOT ASSIGNED			
C 250		NOT ASSIGNED			
C 251		NOT ASSIGNED			
C 252		CER CAP	3 p F, 50V		
C 253		CC732CJ1H030C	± 0.25 p F	1	
		CER CAP	3 p F, 50V		
		CC732CJ1H030C	± 0.25 p F	1	
* Selected at factory			DRAWING № 34W99301 11/39		
			ANRITSU CORP.		

Parts List of: A2-A5 20MHZ STEP

Ref. No.	Part Code	Description	Rating	Qty	Note
C 277		CER CAP	27 p F		
C 278		CC732CH1H270J	± 5%, 50V	1	
C 279		NOT ASSIGNED			
C 280		NOT ASSIGNED			
C 281		CER CAP	5 p F, 50V		
		CC732CH1H050D	± 0.5 p F	1	
C 282		CER CAP	5 p F, 50V		
C 283		CC732CH1H050D	± 0.5 p F	1	
C 284		CER CAP	5 p F, 50V		
C 285		CC732CH1H050D	± 0.5 p F	1	
C 286		CER CAP	0.01 μ F		
		CK732B1H103K	± 10%, 50V	1	
		CER CAP	0.01 μ F		
		CK732B1H103K	± 10%, 50V	1	
C 287		CER CAP	0.22 μ F		
C 288		CK737B1H224K	± 10%, 50V	1	
		CER CAP	6 p F, 50V		
C 289		CC732CH1H060D	± 0.5 p F	1	
C 290		CER CAP	4 p F, 50V		
		CC732CH1H040D	± 0.5 p F	1	
C 291		CER CAP	1 p F, 50V		
		CC732CK1H010C	± 0.25 p F	1	
		CER CAP	1 p F, 50V		
		CC732CK1H010C	± 0.25 p F	1	
C 292		NOT ASSIGNED			
C 293		NOT ASSIGNED			
C 294		NOT ASSIGNED			
C 295		NOT ASSIGNED			
C 296		NOT ASSIGNED			
C 297		NOT ASSIGNED			
C 298		NOT ASSIGNED			
C 299		NOT ASSIGNED			
* Selected at factory			DRAWING № 34W99301 13/39		
			ANRITSU CORP.		

Parts List of: A2-A5 20MHZ STEP

Ref. No.	Part Code	Description	Rating	Qty	Note
C 254		CER CAP	100 p F		
		CC732CH1H101J	± 5%, 50V	1	
C 255		CER CAP	0.01 μ F		
		CK732B1H103K	± 10%, 50V	1	
C 256		CER CAP	0.01 μ F		
		CK732B1H103K	± 10%, 50V	1	
C 257		CER CAP	100 p F		
		CC732CH1H101J	± 5%, 50V	1	
C 258		CER CAP	3 p F, 50V		
		CC732CJ1H030C	± 0.25 p F	1	
C 259		CER CAP	3 p F, 50V		
		CC732CJ1H030C	± 0.25 p F	1	
C 260		CER CAP	100 p F		
		CC732CH1H101J	± 5%, 50V	1	
C 261		CER CAP	0.01 μ F		
		CK732B1H103K	± 10%, 50V	1	
C 262		CER CAP	100 p F		
		CC732CH1H101J	± 5%, 50V	1	
C 263		CER CAP	2 p F, 50V		
		CC732CK1H020C	± 0.25 p F	1	
C 264		CER CAP	2 p F, 50V		
		CC732CK1H020C	± 0.25 p F	1	
C 265		CER CAP	12 p F		
		CC732CH1H120J	± 5%, 50V	1	
C 266		NOT ASSIGNED			
C 267		NOT ASSIGNED			
C 268		NOT ASSIGNED			
C 269		NOT ASSIGNED			
C 270		NOT ASSIGNED			
C 271		CER CAP	27 p F		
		CC732CH1H270J	± 5%, 50V	1	
C 272		CER CAP	12 p F		
		CC732CH1H120J	± 5%, 50V	1	
C 273		CER CAP	1000 p F		
		CK732B1H102K	± 10%, 50V	1	
C 274		CER CAP	0.01 μ F		
		CK732B1H103K	± 10%, 50V	1	
C 275		CER CAP	1000 p F		
		CK732B1H102K	± 10%, 50V	1	
C 276		CER CAP	12 p F		
		CC732CH1H120J	± 5%, 50V	1	
* Selected at factory			DRAWING № 34W99301 12/39		
			ANRITSU CORP.		

Parts List of: A2-A5 20MHZ STEP

Ref. No.	Part Code	Description	Rating	Qty	Note
C 300		NOT ASSIGNED			
C 301		CER CAP	1000 p F		
		CK732B1H102K	± 10%, 50V	1	
C 302		CER CAP	0.01 μ F		
		CK732B1H103K	± 10%, 50V	1	
C 303		CER CAP	0.01 μ F		
		CK732B1H103K	± 10%, 50V	1	
C 304		CER CAP	1000 p F		
		CK732B1H102K	± 10%, 50V	1	
C 305		CER CAP	15 p F		
		CC732CH1H150J	± 5%, 50V	1	
C 306		CER CAP	15 p F		
		CC732CH1H150J	± 5%, 50V	1	
C 307		CER CAP	0.01 μ F		
		CK732B1H103K	± 10%, 50V	1	
C 308		CER CAP	0.01 μ F		
		CK732B1H103K	± 10%, 50V	1	
C 309		CER CAP	0.01 μ F		
		CK732B1H103K	± 10%, 50V	1	
C 310		CER CAP	100 p F		
		CC732CH1H101J	± 5%, 50V	1	
C 311		CER CAP	330 p F		
		CC732CH1H331J	± 5%, 50V	1	
C 312		CER CAP	100 p F		
		CC732CH1H101J	± 5%, 50V	1	
C 313		CER CAP	22 p F		
		CC732CH1H220J	± 5%, 50V	1	
C 314		CER CAP	39 p F		
		CC732CH1H390J	± 5%, 50V	1	
C 315		CER CAP	22 p F		
		CC732CH1H220J	± 5%, 50V	1	
C 316		CER CAP	1000 p F		
		CK732B1H102K	± 10%, 50V	1	
C 317		CER CAP	0.01 μ F		
		CK732B1H103K	± 10%, 50V	1	
C 318		CER CAP	0.01 μ F		
		CK732B1H103K	± 10%, 50V	1	
C 319		CER CAP	1000 p F		
		CK732B1H102K	± 10%, 50V	1	
C 320		AL. ELECT. CAP	100 μ F		
		CF04C1E101A	± 20%, 25V	1	
C 321		CER CAP	0.01 μ F		
		CK732B1H103K	± 10%, 50V	1	
C 322		CER CAP	0.01 μ F		
		CK732B1H103K	± 10%, 50V	1	
* Selected at factory			DRAWING № 34W99301 14/39		
			ANRITSU CORP.		

Parts List of: A2-A5 20MHZ STEP

Ref. No.	Part Code	Description	Rating	Qty	Note
C 323		AL ELECTLYT CAP	100 $\mu$ F		
	CE04C1E101A		$\pm 20\%$ , 25V	1	
C 324		CER CAP	0.022 $\mu$ F		
	CK732B1H223K		$\pm 10\%$ , 50V	1	
E 1		CHECK TERMINAL			
	00292			1	
E 2		CHECK TERMINAL			
	00292			1	
E 3		CHECK TERMINAL			
	00292			1	
E 4		CHECK TERMINAL			
	00292			1	
E 5		CHECK TERMINAL			
	00292			1	
E 6		CHECK TERMINAL			
	00292			1	
J 1		PLUG	10P		
	DF1-10P2.5DSA			1	
J 2		PLUG	5P		
	DF1-5P2.5DSA			1	
J 3		NOT ASSIGNED			
J 4		NOT ASSIGNED			
J 5		NOT ASSIGNED			
J 6		NOT ASSIGNED			
J 7		NOT ASSIGNED			
J 8		NOT ASSIGNED			
J 9		NOT ASSIGNED			
J 10		NOT ASSIGNED			
J 11		NOT ASSIGNED			
J 12		NOT ASSIGNED			
Dep.					
Selected at factory					
DRAWING: 34W99301				17/39	
ANRITSU CORP.					

Parts List of: A2-A5 20MHZ STEP

Ref. No.	Part Code	Description	Rating	Qty	Note
L 18		INDUCTOR	0.68 $\mu$ H $\pm 10\%$		
	NL322522-R68K			1	
L 19		COIL	98 n H		
	34L74432E			1	
L 20		INDUCTOR	1.0 $\mu$ H $\pm 10\%$		
	NL453232-1R0K			1	
L 21		NOT ASSIGNED			
L 22		NOT ASSIGNED			
L 23		INDUCTOR	10 $\mu$ H $\pm 10\%$		
	NL453232-100K			1	
L 24		INDUCTOR	100 $\mu$ H 0.66A		
	TS10707-101KR66			1	
L 25		NOT ASSIGNED			
L 26		INDUCTOR	100 $\mu$ H $\pm 10\%$		
	NL453232-101K			1	
L 27		INDUCTOR	1.0 $\mu$ H $\pm 10\%$		
	NL453232-1R0K			1	
L 28		INDUCTOR	1.0 $\mu$ H $\pm 10\%$		
	NL453232-1R0K			1	
L 29		NOT ASSIGNED			
L 30		NOT ASSIGNED			
L 31		COIL	60 n H		
	34L74431M			1	
L 32		COIL	60 n H		
	34L74431M			1	
L 33		INDUCTOR	0.1 $\mu$ H		
	NL322522-R10K			1	
L 34		INDUCTOR	10 $\mu$ H $\pm 10\%$		
	NL453232-100K			1	
L 35		INDUCTOR	10 $\mu$ H $\pm 10\%$		
	NL453232-100K			1	
L 36		INDUCTOR	10 $\mu$ H $\pm 10\%$		
	NL453232-100K			1	
L 37		NOT ASSIGNED			
L 38		NOT ASSIGNED			
L 39		NOT ASSIGNED			
L 40		NOT ASSIGNED			
Dep.					
Selected at factory					
DRAWING: 34W99301				17/39	
ANRITSU CORP.					

Parts List of: A2-A5 20MHZ STEP

Ref. No.	Part Code	Description	Rating	Qty	Note
J 13		NOT ASSIGNED			
J 14		NOT ASSIGNED			
J 15		NOT ASSIGNED			
J 16		NOT ASSIGNED			
J 17		NOT ASSIGNED			
L 1		NOT ASSIGNED			
L 2		INDUCTOR	100 $\mu$ H 0.66A		
	TS10707-101KR66			1	
L 3		INDUCTOR	100 $\mu$ H 0.66A		
	TS10707-101KR66			1	
L 4		INDUCTOR	100 $\mu$ H 0.66A		
	TS10707-101KR66			1	
L 5		INDUCTOR	100 $\mu$ H $\pm 10\%$		
	NL453232-101K			1	
L 6		INDUCTOR	100 $\mu$ H 0.66A		
	TS10707-101KR66			1	
L 7		NOT ASSIGNED			
L 8		NOT ASSIGNED			
L 9		NOT ASSIGNED			
L 10		NOT ASSIGNED			
L 11		INDUCTOR	0.33 $\mu$ H $\pm 10\%$		
	NL322522-R33K			1	
L 12		INDUCTOR	0.33 $\mu$ H $\pm 10\%$		
	NL322522-R33K			1	
L 13		INDUCTOR	10 $\mu$ H $\pm 10\%$		
	NL453232-100K			1	
L 14		INDUCTOR	0.33 $\mu$ H $\pm 10\%$		
	NL322522-R33K			1	
L 15		INDUCTOR	0.33 $\mu$ H $\pm 10\%$		
	NL322522-R33K			1	
L 16		NOT ASSIGNED			
L 17		INDUCTOR	0.68 $\mu$ H $\pm 10\%$		
	NL322522-R68K			1	
Dep.					
Selected at factory					
DRAWING: 34W99301				16/39	
ANRITSU CORP.					

Parts List of: A2-A5 20MHZ STEP

Ref. No.	Part Code	Description	Rating	Qty	Note
L 41		PATTERN COIL		1	1 = 10m m
L 42		INDUCTOR	10 $\mu$ H $\pm 10\%$		
	NL453232-100K			1	
L 43		NOT ASSIGNED			
L 44		NOT ASSIGNED			
L 45		NOT ASSIGNED			
L 46		NOT ASSIGNED			
L 47		NOT ASSIGNED			
L 48		NOT ASSIGNED			
L 49		NOT ASSIGNED			
L 50		NOT ASSIGNED			
L 51		INDUCTOR	0.1 $\mu$ H		
	NL322522-R10K			1	
L 52		INDUCTOR	0.1 $\mu$ H		
	NL322522-R10K			1	
L 53		INDUCTOR	0.68 $\mu$ H $\pm 10\%$		
	NL322522-R68K			1	
L 54		NOT ASSIGNED			
L 55		NOT ASSIGNED			
L 56		INDUCTOR	0.33 $\mu$ H $\pm 10\%$		
	NL322522-R33K			1	
L 57		NOT ASSIGNED			
L 58		NOT ASSIGNED			
L 59		NOT ASSIGNED			
L 60		NOT ASSIGNED			
L 61		INDUCTOR	0.15 $\mu$ H $\pm 10\%$		
	NL322522-R15K			1	
L 62		COIL	7 n H		
	34L74430J			1	
L 63		INDUCTOR	0.15 $\mu$ H $\pm 10\%$		
	NL322522-R15K			1	
Dep.					
Selected at factory					
DRAWING: 34W99301				18/39	
ANRITSU CORP.					

Parts List of: A2-A5 20MHZ STEP

Ref. No.	Part Code	Description	Rating	Qty	Note
L 64		NOT ASSIGNED			
L 65		NOT ASSIGNED			
L 66		PATTERN COIL		1	=17m m
L 67		PATTERN COIL		1	=14m m
L 68		NOT ASSIGNED			
L 69		PATTERN COIL		1	=14m m
L 70		PATTERN COIL		1	=17m m
L 71		PATTERN COIL		1	=14m m
L 72		PATTERN COIL		1	=14m m
L 73		INDUCTOR NL322522-R15K	0.15 $\mu$ H $\pm$ 10%	1	
L 74		INDUCTOR NL453232-100K	10 $\mu$ H $\pm$ 10%	1	
L 75		INDUCTOR NL322522-R68K	0.68 $\mu$ H $\pm$ 10%	1	
L 76		INDUCTOR NL453232-100K	10 $\mu$ H $\pm$ 10%	1	
L 77		NOT ASSIGNED			
L 78		NOT ASSIGNED			
L 79		NOT ASSIGNED			
L 80		NOT ASSIGNED			
L 81		INDUCTOR NL453232-220K	22 $\mu$ H $\pm$ 10%	1	
L 82		INDUCTOR 342L62001		1	
L 83		SEMI-RIGID COIL 342L94361D		1	
L 84		INDUCTOR NL453232-100K	10 $\mu$ H $\pm$ 10%	1	
L 85		PATTERN COIL		1	=10m m
L 86		INDUCTOR NL453232-1R0K	1.0 $\mu$ H $\pm$ 10%	1	
• Selected at factory			DRAWING: 34W99301 19/39		
			ANRITSU CORP.		

Parts List of: A2-A5 20MHZ STEP

Ref. No.	Part Code	Description	Rating	Qty	Note
L 87		NOT ASSIGNED			
L 88		NOT ASSIGNED			
L 89		NOT ASSIGNED			
L 90		NOT ASSIGNED			
L 91		INDUCTOR NL453232-1R0K	1.0 $\mu$ H $\pm$ 10%	1	
L 92		PATTERN COIL		1	=14m m
L 93		PATTERN COIL		1	=14m m
L 94		NOT ASSIGNED			
L 95		NOT ASSIGNED			
L 96		NOT ASSIGNED			
L 97		NOT ASSIGNED			
L 98		NOT ASSIGNED			
L 99		NOT ASSIGNED			
L 100		NOT ASSIGNED			
L 101		PATTERN COIL		1	=14m m
L 102		INDUCTOR NL322522-R68K	0.68 $\mu$ H $\pm$ 10%	1	
L 103		INDUCTOR NL322522-R68K	0.68 $\mu$ H $\pm$ 10%	1	
L 104		PATTERN COIL		1	=14m m
L 105		PATTERN COIL		1	=14m m
L 106		INDUCTOR NL322522-R10K	0.1 $\mu$ H $\pm$ 10%	1	
L 107		INDUCTOR NL453232-1R0K	1.0 $\mu$ H $\pm$ 10%	1	
L 108		NOT ASSIGNED			
L 109		NOT ASSIGNED			
• Selected at factory			DRAWING: 34W99301 20/39		
			ANRITSU CORP.		

Parts List of: A2-A5 20MHZ STEP

Ref. No.	Part Code	Description	Rating	Qty	Note
L 110		NOT ASSIGNED			
L 111		INDUCTOR NL322522-R10K	0.1 $\mu$ H $\pm$ 10%	1	
L 112		INDUCTOR NL453232-100K	10 $\mu$ H $\pm$ 10%	1	
L 113		INDUCTOR NL322522-R10K	0.1 $\mu$ H $\pm$ 10%	1	
L 114		NOT ASSIGNED			
L 115		NOT ASSIGNED			
L 116		NOT ASSIGNED			
L 117		NOT ASSIGNED			
L 118		NOT ASSIGNED			
L 119		NOT ASSIGNED			
L 120		NOT ASSIGNED			
L 121		INDUCTOR NL453232-100K	10 $\mu$ H $\pm$ 10%	1	
L 122		INDUCTOR NL453232-100K	10 $\mu$ H $\pm$ 10%	1	
L 123		NOT ASSIGNED			
L 124		NOT ASSIGNED			
L 125		NOT ASSIGNED			
L 126		NOT ASSIGNED			
L 127		NOT ASSIGNED			
L 128		NOT ASSIGNED			
L 129		NOT ASSIGNED			
L 130		NOT ASSIGNED			
L 131		INDUCTOR NL322522-R10K	0.1 $\mu$ H $\pm$ 10%	1	
L 132		INDUCTOR NL453232-1R0K	1.0 $\mu$ H $\pm$ 10%	1	
• Selected at factory			DRAWING: 34W99301 21/39		
			ANRITSU CORP.		

Parts List of: A2-A5 20MHZ STEP

Ref. No.	Part Code	Description	Rating	Qty	Note
L 133		INDUCTOR NL322522-R68K	0.68 $\mu$ H $\pm$ 10%	1	
L 134		INDUCTOR NL322522-R68K	0.68 $\mu$ H $\pm$ 10%	1	
L 135		INDUCTOR NL322522-R10K	0.1 $\mu$ H $\pm$ 10%	1	
L 136		INDUCTOR NL322522-R10K	0.1 $\mu$ H $\pm$ 10%	1	
L 137		INDUCTOR NL453232-1R0K	1.0 $\mu$ H $\pm$ 10%	1	
Q 1		IC 74HC14F		1	
Q 2		NOT ASSIGNED			
Q 3		NOT ASSIGNED			
Q 4		NOT ASSIGNED			
Q 5		NOT ASSIGNED			
Q 6		IC 74AS00F		1	
Q 7		IC 74ALS74F		1	
Q 8		NOT ASSIGNED			
Q 9		DIODE 1SV107		1	
Q 10		IC 74AS00F		1	
Q 11		IC 74AS00F		1	
Q 12		IC 74ALS74F		1	
Q 13		IC $\mu$ PC78N05H		1	
Q 14		TRANSISTOR 2SA812		1	
Q 15		TRANSISTOR 2SC3357		1	
Q 16		IC MNC206FP		1	
Q 17		IC 74HC04F		1	
• Selected at factory			DRAWING: 34W99301 22/39		
			ANRITSU CORP.		

Parts List of: A2-A5 20MHZ STEP

Ref. No.	Part Code	Description	Rating	Qty	Note
Q 18	IC	PLL2001S		1	
Q 19	IC	PLL2001S		1	
Q 20	IC	PLL2001S		1	
Q 21	NJL201AM	NOT ASSIGNED		1	
Q 22	IC μ PC79N08H	-8V		1	
Q 23	TRANSISTOR	2S4812		1	
Q 24	NOT ASSIGNED				
Q 25	NOT ASSIGNED				
Q 26	TRANSISTOR	2SC3357		1	
Q 27	TRANSISTOR	2SC3357		1	
Q 28	TRANSISTOR	2SC3357		1	
Q 29	DIODE	HSM88S		1	
Q 30	DIODE	HSM88S		1	
Q 31	NOT ASSIGNED				
Q 32	NOT ASSIGNED				
Q 33	NOT ASSIGNED				
Q 34	NOT ASSIGNED				
Q 35	NOT ASSIGNED				
Q 36	IC	μ PC1675G		1	
Q 37	DIODE	AISS123		1	
Q 38	DIODE	AISS123		1	
Q 39	IC	μ PB587G		1	
Q 40	NOT ASSIGNED				

Selected at factory

DRAWING No. 34W99301 23/39

ANRITSU CORP.

Parts List of: A2-A5 20MHZ STEP

Ref. No.	Part Code	Description	Rating	Qty	Note
Q 41	NOT ASSIGNED				
Q 42	NOT ASSIGNED				
Q 43	NOT ASSIGNED				
Q 44	NOT ASSIGNED				
Q 45	NOT ASSIGNED				
Q 46	NOT ASSIGNED				
Q 47	NOT ASSIGNED				
Q 48	NOT ASSIGNED				
Q 49	NOT ASSIGNED				
Q 50	NOT ASSIGNED				
Q 51	IC	μ PC1677C		1	
Q 52	NOT ASSIGNED				
Q 53	NOT ASSIGNED				
Q 54	NOT ASSIGNED				
Q 55	NOT ASSIGNED				
Q 56	NOT ASSIGNED				
Q 57	NOT ASSIGNED				
Q 58	NOT ASSIGNED				
Q 59	NOT ASSIGNED				
Q 60	NOT ASSIGNED				
Q 61	IC	μ MA130		1	
Q 62	IC	μ PC1675G		1	
Q 63	NOT ASSIGNED				

Selected at factory

DRAWING No. 34W99301 24/39

ANRITSU CORP.

Parts List of: A2-A5 20MHZ STEP

Ref. No.	Part Code	Description	Rating	Qty	Note
Q 64	NOT ASSIGNED				
Q 65	NOT ASSIGNED				
Q 66	NOT ASSIGNED				
Q 67	NOT ASSIGNED				
Q 68	NOT ASSIGNED				
Q 69	NOT ASSIGNED				
Q 70	NOT ASSIGNED				
Q 71	DIODE	1SV107		1	
Q 72	IC	μ PC1675G		1	
Q 73	IC	μ PC1675G		1	
Q 74	DIODE	1SV128A		1	
Q 75	DIODE	1SV128A		1	
Q 76	DIODE	1SV128A		1	
Q 77	DIODE	1SV128A		1	
Q 78	IC	μ PC1675G		1	
Q 79	NOT ASSIGNED				
Q 80	IC	μ PC1677C		1	
Q 81	DIODE	1SV128A		1	
Q 82	DIODE	1SV128A		1	
Q 83	NOT ASSIGNED				
Q 84	NOT ASSIGNED				
Q 85	NOT ASSIGNED				
Q 86	NOT ASSIGNED				

Selected at factory

DRAWING No. 34W99301 25/39

ANRITSU CORP.

Parts List of: A2-A5 20MHZ STEP

Ref. No.	Part Code	Description	Rating	Qty	Note
Q 87	NOT ASSIGNED				
Q 88	NOT ASSIGNED				
Q 89	NOT ASSIGNED				
Q 90	NOT ASSIGNED				
Q 91	DIODE	1SV164		1	
Q 92	DIODE	1SV164		1	
Q 93	DIODE	HVM15		1	
Q 94	NOT ASSIGNED				
Q 95	TRANSISTOR	2SC2369		1	
Q 96	TRANSISTOR	2SC3356		1	
Q 97	IC	μ PC1675G		1	
Q 98	IC	μ PC1675G		1	
Q 99	IC	μ PC1675G		1	
Q 100	DIODE	AISS123		1	
Q 101	ZENER DIODE	RD7.5MB2		1	
Q 102	ZENER DIODE	RD9.1MB2		1	
Q 103	NOT ASSIGNED				
Q 104	NOT ASSIGNED				
Q 105	NOT ASSIGNED				
Q 106	IC	μ PC1675G		1	
Q 107	IC	μ PC1675G		1	
Q 108	NOT ASSIGNED				
Q 109	NOT ASSIGNED				

Selected at factory

DRAWING No. 34W99301 26/39

ANRITSU CORP.

Parts List of: A2-A5 20MHZ STEP

Ref. No.	Part Code	Description	Rating	Qty	Note
Q 110		NOT ASSIGNED			
Q 111	IC				
Q 112	μ PC1677C			1	
Q 113	IC				
Q 114	μ PC1675G			1	
Q 115		NOT ASSIGNED			
Q 116		NOT ASSIGNED			
Q 117		NOT ASSIGNED			
Q 118		NOT ASSIGNED			
Q 119		NOT ASSIGNED			
Q 120		NOT ASSIGNED			
Q 121	IC				
Q 122	74A130			1	
Q 123		NOT ASSIGNED			
Q 124		NOT ASSIGNED			
Q 125		NOT ASSIGNED			
Q 126	IC				
Q 127	LM6365M			1	
Q 128		NOT ASSIGNED			
Q 129		NOT ASSIGNED			
Q 130		NOT ASSIGNED			
Q 131	IC				
Q 132	μ PC1656C			1	
Q 133	IC				
Q 134	74LS00F			1	
• Selected at factory					
DRAWING: 34W99301 27/39					
ANRITSU CORP.					

Parts List of: A2-A5 20MHZ STEP

Ref. No.	Part Code	Description	Rating	Qty	Note
Q 133	IC				
Q 134	μ PC1652G			1	
R 1		NOT ASSIGNED			
R 2		NOT ASSIGNED			
R 3		NOT ASSIGNED			
R 4		NOT ASSIGNED			
R 5		CERMET RESISTOR	100Ω		
R 6		μ PC1652G			
R 7		CERMET RESISTOR	220Ω		
R 8		μ PC1652G			
R 9		CERMET RESISTOR	330Ω		
R 10		μ PC1652G			
R 11		CERMET RESISTOR	4.7Ω		
R 12		μ PC1652G			
R 13		CERMET RESISTOR	22Ω		
R 14		μ PC1652G			
R 15		CERMET RESISTOR	100Ω		
R 16		μ PC1652G			
R 17		CERMET RESISTOR	1KΩ		
R 18		μ PC1652G			
R 19		CERMET RESISTOR	470Ω		
R 20		μ PC1652G			
R 21		CERMET RESISTOR	10KΩ		
R 22		μ PC1652G			
R 23		CERMET RESISTOR	1KΩ		
R 24		μ PC1652G			
R 25		CERMET RESISTOR	470Ω		
R 26		μ PC1652G			
R 27		CERMET RESISTOR	1KΩ		
R 28		μ PC1652G			
R 29		CERMET RESISTOR	470Ω		
R 30		μ PC1652G			
R 31		CERMET RESISTOR	1KΩ		
R 32		μ PC1652G			
R 33		CERMET RESISTOR	470Ω		
R 34		μ PC1652G			
R 35		CERMET RESISTOR	1KΩ		
R 36		μ PC1652G			
R 37		CERMET RESISTOR	470Ω		
R 38		μ PC1652G			
R 39		CERMET RESISTOR	1KΩ		
R 40		μ PC1652G			
R 41		CERMET RESISTOR	470Ω		
R 42		μ PC1652G			
R 43		CERMET RESISTOR	1KΩ		
R 44		μ PC1652G			
R 45		CERMET RESISTOR	470Ω		
R 46		μ PC1652G			
R 47		CERMET RESISTOR	1KΩ		
R 48		μ PC1652G			
R 49		CERMET RESISTOR	470Ω		
R 50		μ PC1652G			
R 51		CERMET RESISTOR	1KΩ		
R 52		μ PC1652G			
R 53		CERMET RESISTOR	470Ω		
R 54		μ PC1652G			
R 55		CERMET RESISTOR	1KΩ		
R 56		μ PC1652G			
R 57		CERMET RESISTOR	470Ω		
R 58		μ PC1652G			
R 59		CERMET RESISTOR	1KΩ		
R 60		μ PC1652G			
R 61		CERMET RESISTOR	470Ω		
R 62		μ PC1652G			
R 63		CERMET RESISTOR	1KΩ		
R 64		μ PC1652G			
R 65		CERMET RESISTOR	470Ω		
R 66		μ PC1652G			
• Selected at factory					
DRAWING: 34W99301 28/39					
ANRITSU CORP.					

Parts List of: A2-A5 20MHZ STEP

Ref. No.	Part Code	Description	Rating	Qty	Note
R 21		CERMET RESISTOR	4.7Ω		
R 22		μ PC1652G		1	
R 23		CERMET RESISTOR	390Ω		
R 24		μ PC1652G		1	
R 25		CERMET RESISTOR	82Ω		
R 26		μ PC1652G		1	
R 27		CERMET RESISTOR	82Ω		
R 28		μ PC1652G		1	
R 29		CERMET RESISTOR	100Ω		
R 30		μ PC1652G		1	
R 31		CERMET RESISTOR	120Ω		
R 32		μ PC1652G		1	
R 33		CERMET RESISTOR	120Ω		
R 34		μ PC1652G		1	
R 35		CERMET RESISTOR	150Ω		
R 36		μ PC1652G		1	
R 37		CERMET RESISTOR	150Ω		
R 38		μ PC1652G		1	
R 39		CERMET RESISTOR	150Ω		
R 40		μ PC1652G		1	
R 41		CERMET RESISTOR	150Ω		
R 42		μ PC1652G		1	
R 43		CERMET RESISTOR	150Ω		
R 44		μ PC1652G		1	
R 45		CERMET RESISTOR	150Ω		
R 46		μ PC1652G		1	
R 47		CERMET RESISTOR	150Ω		
R 48		μ PC1652G		1	
R 49		CERMET RESISTOR	150Ω		
R 50		μ PC1652G		1	
R 51		CERMET RESISTOR	150Ω		
R 52		μ PC1652G		1	
R 53		CERMET RESISTOR	150Ω		
R 54		μ PC1652G		1	
R 55		CERMET RESISTOR	150Ω		
R 56		μ PC1652G		1	
R 57		CERMET RESISTOR	150Ω		
R 58		μ PC1652G		1	
R 59		CERMET RESISTOR	150Ω		
R 60		μ PC1652G		1	
R 61		CERMET RESISTOR	150Ω		
R 62		μ PC1652G		1	
R 63		CERMET RESISTOR	150Ω		
R 64		μ PC1652G		1	
R 65		CERMET RESISTOR	150Ω		
R 66		μ PC1652G		1	
• Selected at factory					
DRAWING: 34W99301 29/39					
ANRITSU CORP.					

Parts List of: A2-A5 20MHZ STEP

Ref. No.	Part Code	Description	Rating	Qty	Note
R 44		CERMET RESISTOR	330Ω		
R 45		μ PC1652G		1	
R 46		CERMET RESISTOR	220Ω		
R 47		μ PC1652G		1	
R 48		CERMET RESISTOR	220Ω		
R 49		μ PC1652G		1	
R 50		CERMET RESISTOR	220Ω		
R 51		μ PC1652G		1	
R 52		CERMET RESISTOR	220Ω		
R 53		μ PC1652G		1	
R 54		CERMET RESISTOR	220Ω		
R 55		μ PC1652G		1	
R 56		CERMET RESISTOR	220Ω		
R 57		μ PC1652G		1	
R 58		CERMET RESISTOR	220Ω		
R 59		μ PC1652G		1	
R 60		CERMET RESISTOR	220Ω		
R 61		μ PC1652G		1	
R 62		CERMET RESISTOR	220Ω		
R 63		μ PC1652G		1	
R 64		CERMET RESISTOR	220Ω		
R 65		μ PC1652G		1	
R 66		CERMET RESISTOR	220Ω		
• Selected at factory					
DRAWING: 34W99301 30/39					
ANRITSU CORP.					

Parts List of: A2-A5 20MHZ STEP

Ref. No.	Part Code	Description	Rating	Qty	Note
R 67		NOT ASSIGNED			
R 68		NOT ASSIGNED			
R 69		NOT ASSIGNED			
R 70		NOT ASSIGNED			
R 71		CERMET RESISTOR RK73M2A100J	100Ω ± 5%, 1/10W	1	
R 72		CERMET RESISTOR RK73M2A331J	330Ω ± 5%, 1/10W	1	
R 73		NOT ASSIGNED			
R 74		NOT ASSIGNED			
R 75		NOT ASSIGNED			
R 76		NOT ASSIGNED			
R 77		NOT ASSIGNED			
R 78		NOT ASSIGNED			
R 79		NOT ASSIGNED			
R 80		NOT ASSIGNED			
R 81		CERMET RESISTOR RK73M2A680J	68Ω ± 5%, 1/10W	1	
R 82		NOT ASSIGNED			
R 83		NOT ASSIGNED			
R 84		NOT ASSIGNED			
R 85		NOT ASSIGNED			
R 86		NOT ASSIGNED			
R 87		NOT ASSIGNED			
R 88		CERMET RESISTOR RK73M2A681J	680Ω ± 5%, 1/10W	1	
R 89		CERMET RESISTOR RK73M2A681J	680Ω ± 5%, 1/10W	1	
Dep.			DRAWING: 34W99301 31/39		
• Selected at factors			ANRITSU CORP.		

Parts List of: A2-A5 20MHZ STEP

Ref. No.	Part Code	Description	Rating	Qty	Note
R 90		CERMET RESISTOR RK73M2A121J	120Ω ± 5%, 1/10W	1	
R 91		CERMET RESISTOR RK73M2A510J	510Ω ± 5%, 1/10W	1	
R 92		CERMET RESISTOR RK73M2A121J	120Ω ± 5%, 1/10W	1	
R 93		CERMET RESISTOR RK73M2A470J	470Ω ± 5%, 1/10W	1	
R 94		CERMET RESISTOR RK73M2A681J	680Ω ± 5%, 1/10W	1	
R 95		NOT ASSIGNED			
R 96		NOT ASSIGNED			
R 97		NOT ASSIGNED			
R 98		NOT ASSIGNED			
R 99		NOT ASSIGNED			
R 100		NOT ASSIGNED			
R 101		NOT ASSIGNED			
R 102		NOT ASSIGNED			
R 103		NOT ASSIGNED			
R 104		NOT ASSIGNED			
R 105		NOT ASSIGNED			
R 106		NOT ASSIGNED			
R 107		NOT ASSIGNED			
R 108		NOT ASSIGNED			
R 109		NOT ASSIGNED			
R 110		NOT ASSIGNED			
R 111		CERMET RESISTOR RK73M2A562J	5.6KΩ ± 5%, 1/10W	1	
R 112		CERMET RESISTOR RK73M2A152J	1.5KΩ ± 5%, 1/10W	1	
Dep.			DRAWING: 34W99301 32/39		
• Selected at factors			ANRITSU CORP.		

Parts List of: A2-A5 20MHZ STEP

Ref. No.	Part Code	Description	Rating	Qty	Note
R 113		CERMET RESISTOR RK73M2A101J	100Ω ± 5%, 1/10W	1	
R 114		CERMET RESISTOR RK73M2A102J	1KΩ ± 5%, 1/10W	1	
R 115		CERMET RESISTOR RK73M2A471J	470Ω ± 5%, 1/10W	1	
R 116		CERMET RESISTOR RK73M2A682J	6.8KΩ ± 5%, 1/10W	1	
R 117		CERMET RESISTOR RK73M2A562J	5.6KΩ ± 5%, 1/10W	1	
R 118		CERMET RESISTOR RK73M2A181J	180Ω ± 5%, 1/10W	1	
R 119		CERMET RESISTOR RK73M2A150J	150Ω ± 5%, 1/10W	1	
R 120		CERMET RESISTOR RK73M2A331J	330Ω ± 5%, 1/10W	1	
R 121		CERMET RESISTOR RK73M2A472J	4.7KΩ ± 5%, 1/10W	1	
R 122		CERMET RESISTOR RK73M2A332J	3.3KΩ ± 5%, 1/10W	1	
R 123		CERMET RESISTOR RK73M2A220J	220Ω ± 5%, 1/10W	1	
R 124		CERMET RESISTOR RK73M2A220J	220Ω ± 5%, 1/10W	1	
R 125		CERMET RESISTOR RK73M2A220J	220Ω ± 5%, 1/10W	1	
R 126		CERMET RESISTOR RK73M2A220J	220Ω ± 5%, 1/10W	1	
R 127		CERMET RESISTOR RK73M2A271J	270Ω ± 5%, 1/10W	1	
R 128		CERMET RESISTOR RK73M2A180J	180Ω ± 5%, 1/10W	1	
R 129		CERMET RESISTOR RK73M2A271J	270Ω ± 5%, 1/10W	1	
R 130		CERMET RESISTOR RK73M2A220J	220Ω ± 5%, 1/10W	1	
R 131		NOT ASSIGNED			
R 132		NOT ASSIGNED			
R 133		NOT ASSIGNED			
R 134		NOT ASSIGNED			
R 135		NOT ASSIGNED			
Dep.			DRAWING: 34W99301 33/39		
• Selected at factors			ANRITSU CORP.		

Parts List of: A2-A5 20MHZ STEP

Ref. No.	Part Code	Description	Rating	Qty	Note
R 136		NOT ASSIGNED			
R 137		NOT ASSIGNED			
R 138		NOT ASSIGNED			
R 139		NOT ASSIGNED			
R 140		NOT ASSIGNED			
R 141		CERMET RESISTOR RK73M2A271J	270Ω ± 5%, 1/10W	1	
R 142		CERMET RESISTOR RK73M2A180J	180Ω ± 5%, 1/10W	1	
R 143		CERMET RESISTOR RK73M2A271J	270Ω ± 5%, 1/10W	1	
R 144		CERMET RESISTOR RK73M2A101J	100Ω ± 5%, 1/10W	1	
R 145		CERMET RESISTOR RK73M2A750J	75Ω ± 5%, 1/10W	1	
R 146		CERMET RESISTOR RK73M2A101J	100Ω ± 5%, 1/10W	1	
R 147		CERMET RESISTOR RK73M2A680J	680Ω ± 5%, 1/10W	1	
R 148		CERMET RESISTOR RK73M2A221J	220Ω ± 5%, 1/10W	1	
R 149		CERMET RESISTOR RK73M2A680J	680Ω ± 5%, 1/10W	1	
R 150		NOT ASSIGNED			
R 151		NOT ASSIGNED			
R 152		NOT ASSIGNED			
R 153		NOT ASSIGNED			
R 154		NOT ASSIGNED			
R 155		NOT ASSIGNED			
R 156		NOT ASSIGNED			
R 157		NOT ASSIGNED			
R 158		NOT ASSIGNED			
Dep.			DRAWING: 34W99301 34/39		
• Selected at factors			ANRITSU CORP.		

Parts List of: A2-A5 20MHZ STEP

Ref. No.	Part Code	Description	Rating	Qty	Note
R 159		NOT ASSIGNED			
R 160		NOT ASSIGNED			
R 161	CERMET RESISTOR RK73M2A151J	150Ω ± 5%, 1/10W	1		
R 162	CERMET RESISTOR RK73M2A390J	39Ω ± 5%, 1/10W	1		
R 163	CERMET RESISTOR RK73M2A151J	150Ω ± 5%, 1/10W	1		
R 164		NOT ASSIGNED			
R 165		NOT ASSIGNED			
R 166		NOT ASSIGNED			
R 167		NOT ASSIGNED			
R 168		NOT ASSIGNED			
R 169		NOT ASSIGNED			
R 170		NOT ASSIGNED			
R 171	CERMET RESISTOR RK73M2A271J	270Ω ± 5%, 1/10W	1		
R 172	CERMET RESISTOR RK73M2A180J	18Ω ± 5%, 1/10W	1		
R 173	CERMET RESISTOR RK73M2A271J	270Ω ± 5%, 1/10W	1		
R 174	CERMET RESISTOR RK73M2A4R7J	4.7Ω ± 5%, 1/10W	1		
R 175		NOT ASSIGNED			
R 176		NOT ASSIGNED			
R 177		NOT ASSIGNED			
R 178		NOT ASSIGNED			
R 179		NOT ASSIGNED			
R 180		NOT ASSIGNED			
R 181	CERMET RESISTOR RK73M2A222J	2.2KΩ ± 5%, 1/10W	1		
* Selected at factory			DRAWING No. 34W99301 35/39		
ANRITSU CORP.					

Parts List of: A2-A5 20MHZ STEP

Ref. No.	Part Code	Description	Rating	Qty	Note
R 182	CERMET RESISTOR RK73M2A331J	330Ω ± 5%, 1/10W	1		
R 183	CERMET RESISTOR RK73M2A682J	6.8KΩ ± 5%, 1/10W	1		
R 184	CERMET RESISTOR RK73M2A682J	6.8KΩ ± 5%, 1/10W	1		
R 185		NOT ASSIGNED			
R 186		NOT ASSIGNED			
R 187		NOT ASSIGNED			
R 188		NOT ASSIGNED			
R 189		NOT ASSIGNED			
R 190		NOT ASSIGNED			
R 191	CERMET RESISTOR RK73M2A101J	100Ω ± 5%, 1/10W	1		
R 192	CERMET RESISTOR RK73M2A750J	75Ω ± 5%, 1/10W	1		
R 193	CERMET RESISTOR RK73M2A101J	100Ω ± 5%, 1/10W	1		
R 194	CERMET RESISTOR RK73M2A101J	100Ω ± 5%, 1/10W	1		
R 195	CERMET RESISTOR RK73M2A101J	100Ω ± 5%, 1/10W	1		
R 196	CERMET RESISTOR RK73M2A101J	100Ω ± 5%, 1/10W	1		
R 197	CERMET RESISTOR RK73M2A101J	100Ω ± 5%, 1/10W	1		
R 198	CERMET RESISTOR RK73M2A121J	120Ω ± 5%, 1/10W	1		
R 199	CERMET RESISTOR RK73M2A470J	47Ω ± 5%, 1/10W	1		
R 200	CERMET RESISTOR RK73M2A121J	120Ω ± 5%, 1/10W	1		
R 201		NOT ASSIGNED			
R 202		NOT ASSIGNED			
R 203		NOT ASSIGNED			
R 204		NOT ASSIGNED			

Dep.

\* Selected at factory

DRAWING No. 34W99301

36/39

ANRITSU CORP.

Parts List of: A2-A5 20MHZ STEP

Ref. No.	Part Code	Description	Rating	Qty	Note
R 205		NOT ASSIGNED			
R 206		NOT ASSIGNED			
R 207		NOT ASSIGNED			
R 208		NOT ASSIGNED			
R 209		NOT ASSIGNED			
R 210		NOT ASSIGNED			
R 211	CERMET RESISTOR RK73M2A151J	150Ω ± 5%, 1/10W	1		
R 212	CERMET RESISTOR RK73M2A390J	39Ω ± 5%, 1/10W	1		
R 213	CERMET RESISTOR RK73M2A151J	150Ω ± 5%, 1/10W	1		
R 214	CERMET RESISTOR RK73M2A331J	330Ω ± 5%, 1/10W	1		
R 215	CERMET RESISTOR RK73M2A102J	1KΩ ± 5%, 1/10W	1		
R 216	CERMET RESISTOR RK73M2A471J	470Ω ± 5%, 1/10W	1		
R 217	CERMET RESISTOR RK73M2A271J	270Ω ± 5%, 1/10W	1		
R 218	CERMET RESISTOR RK73M2A100J	10Ω ± 5%, 1/10W	1		
R 219	CERMET RESISTOR RK73M2A4R7J	4.7Ω ± 5%, 1/10W	1		
R 220	CERMET RESISTOR RK73M2A150J	15Ω ± 5%, 1/10W	1		
R 221	CERMET RESISTOR RK73M2A150J	15Ω ± 5%, 1/10W	1		
R 222	CERMET RESISTOR RK73M2A150J	15Ω ± 5%, 1/10W	1		
T 1	TRANSFORMER 342T69294B		1		
Dep. W 1	SEMI-RIGID CABLE 34J100351	SC1600	1		
* Selected at factory			DRAWING No. 34W99301 37/39		
ANRITSU CORP.					

Parts List of: A2-A5 20MHZ STEP

Ref. No.	Part Code	Description	Rating	Qty	Note
W 2		NOT ASSIGNED			
Z 1		NOT ASSIGNED			
Z 2		NOT ASSIGNED			
Z 3		NOT ASSIGNED			
Z 4		NOT ASSIGNED			
Z 5		NOT ASSIGNED			
Z 6	CRYSTAL FILTER YF20.00	f c = 20MHZ		1	
Z 7	BPF AKLT-120MA	120MHZ B.P.F.		1	3350HVS-0509
Z 8		NOT ASSIGNED			
Z 9		NOT ASSIGNED			
Z 10		NOT ASSIGNED			
Z 11	BPF AKLT-120MA	120MHZ B.P.F.		1	3350HVS-0509
Z 12		NOT ASSIGNED			
Z 13		NOT ASSIGNED			
Z 14		NOT ASSIGNED			
Z 15		NOT ASSIGNED			
Z 16	BPF AKLT-120MA	120MHZ B.P.F.		1	3350HVS-0509
Z 17		NOT ASSIGNED			
Z 18		NOT ASSIGNED			
Z 19		NOT ASSIGNED			
Z 20		NOT ASSIGNED			
Dep.					
* Selected at factory			DRAWING No. 34W99301 38/39		
ANRITSU CORP.					

Parts List of: A2-A5 20MHZ STEP

Ref. No.	Part Code	Description	Rating	Qty	Note
Z 21	BPF	840MHZ	252HNP-		
Z 22	AHW-840MF	B.P.F.	2893F	1	
Z 23	BPF	720MHZ	252HNP-		
Z 24	AHW-720MF	B.P.F.	2892F	1	
Z 25	NOT ASSIGNED				
Z 26	NOT ASSIGNED				
Z 27	MIXER	W-18X		1	
Z 28	NOT ASSIGNED				
Z 29	NOT ASSIGNED				
Z 30	NOT ASSIGNED				
Z 31	MIXER	W-8		1	
Z 32	BPF	110MHZ	335HBAS-		
Z 33	AKLT-110MA	B.P.F.	0399	1	
Z 34	NOT ASSIGNED				
Z 35	NOT ASSIGNED				
Z 36	NOT ASSIGNED				
Z 37	BPF	110MHZ	335HBAS-		
Z 38	AKLT-110MA	B.P.F.	0399	1	
Dep.					
Selected at Factory					
DRAWING # 34W99301 2/19					
ANRITSU CORP.					

Parts List of: A2-A6 MAIN LOOP

Ref. No.	Part Code	Description	Rating	Qty	Note
C 1	CER CAP	0.1 $\mu$ F			
C 2	CK733B1H104K	$\pm 10\%$ , 50V		1	
C 3	CER CAP	4p F, 50V			
C 4	CC732CJ1H040D	$\pm 0.5$ p F		1	
C 5	CER CAP	12p F			
C 6	CC732CH1H120J	$\pm 5\%$ , 50V		1	
C 7	CER CAP	4p F, 50V			
C 8	CC732CH1H040D	$\pm 0.5$ p F		1	
C 9	CER CAP	1000p F			
C 10	CK732B1H102K	$\pm 10\%$ , 50V		1	
C 11	CER CAP	1000p F			
C 12	CK732B1H102K	$\pm 10\%$ , 50V		1	
C 13	CER CAP	2p F, 50V			
C 14	CC732CK1H020C	$\pm 0.25$ p F		1	
C 15	CER CAP	0.01 $\mu$ F			
C 16	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 17	CER CAP	1000p F			
C 18	CK732B1H102K	$\pm 10\%$ , 50V		1	
C 19	CER CAP	3p F, 50V			
C 20	CC732CJ1H030C	$\pm 0.25$ p F		1	
C 21	CER CAP	6p F, 50V			
C 22	CC732CH1H060D	$\pm 0.5$ p F		1	
C 23	CER CAP	0.01 $\mu$ F			
C 24	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 25	CER CAP	4p F, 50V			
C 26	CC732CH1H040D	$\pm 0.5$ p F		1	
C 27	CER CAP	7p F, 50V			
C 28	CC732CH1H070D	$\pm 0.5$ p F		1	
C 29	CER CAP	1p F, 50V			
C 30	CC732CK1H010C	$\pm 0.25$ p F		1	
C 31	CER CAP	1000p F			
C 32	CK732B1H102K	$\pm 10\%$ , 50V		1	
C 33	CER CAP	1000p F			
C 34	CK732B1H102K	$\pm 10\%$ , 50V		1	
C 35	CER CAP	1p F, 50V			
C 36	CC732CK1H010C	$\pm 0.25$ p F		1	
C 37	CER CAP	0.01 $\mu$ F			
C 38	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 39	CER CAP	1000p F			
C 40	CK732B1H102K	$\pm 10\%$ , 50V		1	
C 41	CER CAP	0.01 $\mu$ F			
C 42	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 43	CER CAP	0.01 $\mu$ F			
C 44	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 45	CER CAP	0.01 $\mu$ F			
C 46	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 47	NOT ASSIGNED				
C 48	NOT ASSIGNED				
C 49	NOT ASSIGNED				
C 50	NOT ASSIGNED				
C 51	NOT ASSIGNED				
C 52	NOT ASSIGNED				
C 53	NOT ASSIGNED				
C 54	NOT ASSIGNED				
C 55	NOT ASSIGNED				
C 56	NOT ASSIGNED				
C 57	NOT ASSIGNED				
C 58	NOT ASSIGNED				
C 59	NOT ASSIGNED				
C 60	NOT ASSIGNED				
C 61	CER CAP	3p F, 50V			
C 62	CC732CJ1H030C	$\pm 0.25$ p F		1	
C 63	CER CAP	100p F			
C 64	CC732CH1H101J	$\pm 5\%$ , 50V		1	
C 65	CER CAP	0.01 $\mu$ F			
C 66	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 67	CER CAP	0.01 $\mu$ F			
C 68	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 69	CER CAP	2p F, 50V			
C 70	CC732CK1H020C	$\pm 0.25$ p F		1	
C 71	CER CAP	2p F, 50V			
C 72	CC732CK1H020C	$\pm 0.25$ p F		1	
C 73	CER CAP	3p F, 50V			
C 74	CC732CJ1H030C	$\pm 0.25$ p F		1	
C 75	CER CAP	5p F, 50V			
C 76	CC732CH1H050D	$\pm 0.5$ p F		1	
C 77	CER CAP	3p F, 50V			
C 78	CC732CJ1H030C	$\pm 0.25$ p F		1	
Dep.					
Selected at Factory					
DRAWING # 34W99302 1/19					
ANRITSU CORP.					

Parts List of: A2-A6 MAIN LOOP

Ref. No.	Part Code	Description	Rating	Qty	Note
C 24	CER CAP	2p F, 50V			
C 25	CC732CK1H020C	$\pm 0.25$ p F		1	
C 26	CER CAP	3p F, 50V			
C 27	CC732CJ1H030C	$\pm 0.25$ p F		1	
C 28	CER CAP	0.01 $\mu$ F			
C 29	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 30	CER CAP	5p F, 50V			
C 31	CC732CH1H050D	$\pm 0.5$ p F		1	
C 32	CER CAP	3p F, 50V			
C 33	CC732CJ1H030C	$\pm 0.25$ p F		1	
C 34	CER CAP	0.01 $\mu$ F			
C 35	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 36	CER CAP	100p F			
C 37	CC732CH1H101J	$\pm 5\%$ , 50V		1	
C 38	CER CAP	0.01 $\mu$ F			
C 39	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 40	CER CAP	100p F			
C 41	CC732CH1H101J	$\pm 5\%$ , 50V		1	
C 42	CER CAP	100p F			
C 43	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 44	CER CAP	100p F			
C 45	CC732CH1H101J	$\pm 5\%$ , 50V		1	
C 46	CER CAP	1000p F			
C 47	CK732B1H102K	$\pm 10\%$ , 50V		1	
C 48	CER CAP	0.01 $\mu$ F			
C 49	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 50	CER CAP	0.01 $\mu$ F			
C 51	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 52	CER CAP	0.01 $\mu$ F			
C 53	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 54	CER CAP	0.01 $\mu$ F			
C 55	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 56	CER CAP	0.01 $\mu$ F			
C 57	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 58	CER CAP	0.01 $\mu$ F			
C 59	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 60	CER CAP	0.01 $\mu$ F			
C 61	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 62	CER CAP	0.01 $\mu$ F			
C 63	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 64	CER CAP	0.01 $\mu$ F			
C 65	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 66	CER CAP	0.01 $\mu$ F			
C 67	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 68	CER CAP	0.01 $\mu$ F			
C 69	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 70	CER CAP	0.01 $\mu$ F			
C 71	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 72	CER CAP	0.01 $\mu$ F			
C 73	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 74	CER CAP	0.01 $\mu$ F			
C 75	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 76	CER CAP	0.01 $\mu$ F			
C 77	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 78	CER CAP	0.01 $\mu$ F			
C 79	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 80	CER CAP	0.01 $\mu$ F			
C 81	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 82	CER CAP	0.01 $\mu$ F			
C 83	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 84	CER CAP	0.01 $\mu$ F			
C 85	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 86	CER CAP	0.01 $\mu$ F			
C 87	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 88	CER CAP	0.01 $\mu$ F			
C 89	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 90	CER CAP	0.01 $\mu$ F			
C 91	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 92	CER CAP	0.01 $\mu$ F			
C 93	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 94	CER CAP	0.01 $\mu$ F			
C 95	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 96	CER CAP	0.01 $\mu$ F			
C 97	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 98	CER CAP	0.01 $\mu$ F			
C 99	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 100	CER CAP	0.01 $\mu$ F			
C 101	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 102	CER CAP	0.01 $\mu$ F			
C 103	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 104	CER CAP	0.01 $\mu$ F			
C 105	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 106	CER CAP	0.01 $\mu$ F			
C 107	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 108	CER CAP	0.01 $\mu$ F			
C 109	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 110	CER CAP	0.01 $\mu$ F			
C 111	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 112	CER CAP	0.01 $\mu$ F			
C 113	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 114	CER CAP	0.01 $\mu$ F			
C 115	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 116	CER CAP	0.01 $\mu$ F			
C 117	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 118	CER CAP	0.01 $\mu$ F			
C 119	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 120	CER CAP	0.01 $\mu$ F			
C 121	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 122	CER CAP	0.01 $\mu$ F			
C 123	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 124	CER CAP	0.01 $\mu$ F			
C 125	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 126	CER CAP	0.01 $\mu$ F			
C 127	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 128	CER CAP	0.01 $\mu$ F			
C 129	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 130	CER CAP	0.01 $\mu$ F			
C 131	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 132	CER CAP	0.01 $\mu$ F			
C 133	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 134	CER CAP	0.01 $\mu$ F			
C 135	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 136	CER CAP	0.01 $\mu$ F			
C 137	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 138	CER CAP	0.01 $\mu$ F			
C 139	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 140	CER CAP	0.01 $\mu$ F			
C 141	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 142	CER CAP	0.01 $\mu$ F			
C 143	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 144	CER CAP	0.01 $\mu$ F			
C 145	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 146	CER CAP	0.01 $\mu$ F			
C 147	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 148	CER CAP	0.01 $\mu$ F			
C 149	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 150	CER CAP	0.01 $\mu$ F			
C 151	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 152	CER CAP	0.01 $\mu$ F			
C 153	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 154	CER CAP	0.01 $\mu$ F			
C 155	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 156	CER CAP	0.01 $\mu$ F			
C 157	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 158	CER CAP	0.01 $\mu$ F			
C 159	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 160	CER CAP	0.01 $\mu$ F			
C 161	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 162	CER CAP	0.01 $\mu$ F			
C 163	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 164	CER CAP	0.01 $\mu$ F			
C 165	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 166	CER CAP	0.01 $\mu$ F			
C 167	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 168	CER CAP	0.01 $\mu$ F			
C 169	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 170	CER CAP	0.01 $\mu$ F			
C 171	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 172	CER CAP	0.01 $\mu$ F			
C 173	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 174	CER CAP	0.01 $\mu$ F			
C 175	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 176	CER CAP	0.01 $\mu$ F			
C 177	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 178	CER CAP	0.01 $\mu$ F			
C 179	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 180	CER CAP	0.01 $\mu$ F			
C 181	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 182	CER CAP	0.01 $\mu$ F			
C 183	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 184	CER CAP	0.01 $\mu$ F			
C 185	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 186	CER CAP	0.01 $\mu$ F			
C 187	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 188	CER CAP	0.01 $\mu$ F			
C 189	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 190	CER CAP	0.01 $\mu$ F			
C 191	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 192	CER CAP	0.01 $\mu$ F			
C 193	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 194	CER CAP	0.01 $\mu$ F			
C 195	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 196	CER CAP	0.01 $\mu$ F			
C 197	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 198	CER CAP	0.01 $\mu$ F			
C 199	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 200	CER CAP	0.01 $\mu$ F			
C 201	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 202	CER CAP	0.01 $\mu$ F			
C 203	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 204	CER CAP	0.01 $\mu$ F			
C 205	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 206	CER CAP	0.01 $\mu$ F			
C 207	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 208	CER CAP	0.01 $\mu$ F			
C 209	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 210	CER CAP	0.01 $\mu$ F			
C 211	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 212	CER CAP	0.01 $\mu$ F			
C 213	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 214	CER CAP	0.01 $\mu$ F			
C 215	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 216	CER CAP	0.01 $\mu$ F			
C 217	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 218	CER CAP	0.01 $\mu$ F			
C 219	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 220	CER CAP	0.01 $\mu$ F			
C 221	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 222	CER CAP	0.01 $\mu$ F			
C 223	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 224	CER CAP	0.01 $\mu$ F			
C 225	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 226	CER CAP	0.01 $\mu$ F			
C 227	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 228	CER CAP	0.01 $\mu$ F			
C 229	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 230	CER CAP	0.01 $\mu$ F			
C 231	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 232	CER CAP	0.01 $\mu$ F			
C 233	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 234	CER CAP	0.01 $\mu$ F			
C 235	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 236	CER CAP	0.01 $\mu$ F			
C 237	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 238	CER CAP	0.01 $\mu$ F			
C 239	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 240	CER CAP	0.01 $\mu$ F			
C 241	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 242	CER CAP	0.01 $\mu$ F			
C 243	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 244	CER CAP	0.01 $\mu$ F			
C 245	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 246	CER CAP	0.01 $\mu$ F			
C 247	CK732B1H103K	$\pm 10\%$ , 50V		1	
C 248	CER CAP	0.01 $\mu$ F		</	



Parts List of: A2-A6 MAIN LOOP

Ref. No.	Part Code	Description	Rating	Qty	Note
C 70		CER CAP	15 p F		
	CC732CH1H150J		± 5%, 50V	1	
C 71		CER CAP	33 p F		
	CC732CH1H330J		± 5%, 50V	1	
C 72		CER CAP	33 p F		
	CC732CH1H330J		± 5%, 50V	1	
C 73		NOT ASSIGNED			
C 74		CER CAP	15 p F		
	CC732CH1H150J		± 5%, 50V	1	
C 75		CER CAP	1000 p F		
	CK732B1H102K		± 10%, 50V	1	
C 76		CER CAP	1000 p F		
	CK732B1H102K		± 10%, 50V	1	
C 77		CER CAP	0.01 μ F		
	CK732B1H103K		± 10%, 50V	1	
C 78		CER CAP	12 p F		
	CC732CH1H120J		± 5%, 50V	1	
C 79		CER CAP	12 p F		
	CC732CH1H120J		± 5%, 50V	1	
C 80		CER CAP	1000 p F		
	CK732B1H102K		± 10%, 50V	1	
C 81		CER CAP	1000 p F		
	CK732B1H102K		± 10%, 50V	1	
C 82		CER CAP	0.01 μ F		
	CK732B1H103K		± 10%, 50V	1	
C 83		CER CAP	0.01 μ F		
	CK732B1H103K		± 10%, 50V	1	
C 84		CER CAP	2 p F, 50V		
	CC732CK1H020C		± 0.25 p F	1	
C 85		NOT ASSIGNED			
C 86		NOT ASSIGNED			
C 87		NOT ASSIGNED			
C 88		NOT ASSIGNED			
C 89		NOT ASSIGNED			
C 90		NOT ASSIGNED			
C 91		CER CAP	12 p F		
	CC732CH1H120J		± 5%, 50V	1	
C 92		CER CAP	12 p F		
	CC732CH1H120J		± 5%, 50V	1	
* Selected at factory			DRAWING No. 34W99302 4/19		
ANRITSU CORP.					

Parts List of: A2-A6 MAIN LOOP

Ref. No.	Part Code	Description	Rating	Qty	Note
C 93		NOT ASSIGNED			
C 94		CER CAP	15 p F		
	CC732CH1H150J		± 5%, 50V	1	
C 95		CER CAP	15 p F		
	CC732CH1H150J		± 5%, 50V	1	
C 96		CER CAP	150 p F		
	CC732CH1H151J		± 5%, 50V	1	
C 97		CER CAP	270 p F		
	CC732CH1H271J		± 5%, 50V	1	
C 98		CER CAP	270 p F		
	CC732CH1H271J		± 5%, 50V	1	
C 99		CER CAP	150 p F		
	CC732CH1H151J		± 5%, 50V	1	
C 100		CER CAP	120 p F		
	CC732CH1H121J		± 5%, 50V	1	
C 101		CER CAP	120 p F		
	CC732CH1H121J		± 5%, 50V	1	
C 102		CER CAP	0.01 μ F		
	CK732B1H103K		± 10%, 50V	1	
C 103		CER CAP	0.01 μ F		
	CK732B1H103K		± 10%, 50V	1	
C 104		CER CAP	0.01 μ F		
	CK732B1H103K		± 10%, 50V	1	
C 105		CER CAP	0.01 μ F		
	CK732B1H103K		± 10%, 50V	1	
C 106		CER CAP	0.01 μ F		
	CK732B1H103K		± 10%, 50V	1	
C 107		CER CAP	0.01 μ F		
	CK732B1H103K		± 10%, 50V	1	
C 108		CER CAP	0.01 μ F		
	CK732B1H103K		± 10%, 50V	1	
C 109		CER CAP	47 p F		
	CC732CH1H470J		± 5%, 50V	1	
C 110		CER CAP	47 p F		
	CC732CH1H470J		± 5%, 50V	1	
C 111		CER CAP	470 p F		
	CC732CH1H471J		± 5%, 50V	1	
C 112		CER CAP	1000 p F		
	CK732B1H102K		± 10%, 50V	1	
C 113		CER CAP	0.01 μ F		
	CK732B1H103K		± 10%, 50V	1	
C 114		CER CAP	0.01 μ F		
	CK732B1H103K		± 10%, 50V	1	
C 115		CER CAP	0.01 μ F		
	CK732B1H103K		± 10%, 50V	1	
* Selected at factory			DRAWING No. 34W99302 5/19		
ANRITSU CORP.					

Parts List of: A2-A6 MAIN LOOP

Ref. No.	Part Code	Description	Rating	Qty	Note
C 116		CER CAP	220 p F		
	CC732CH1H221J		± 5%, 50V	1	
C 117		CER CAP	0.01 μ F		
	CK732B1H103K		± 10%, 50V	1	
C 118		NOT ASSIGNED			
C 119		NOT ASSIGNED			
C 120		NOT ASSIGNED			
C 121		NOT ASSIGNED			
C 122		NOT ASSIGNED			
C 123		NOT ASSIGNED			
C 124		NOT ASSIGNED			
C 125		NOT ASSIGNED			
C 126		NOT ASSIGNED			
C 127		NOT ASSIGNED			
C 128		NOT ASSIGNED			
C 129		NOT ASSIGNED			
C 130		NOT ASSIGNED			
C 131		CER CAP	100 p F		
	CC732CH1H101J		± 5%, 50V	1	
C 132		CER CAP	1000 p F		
	CK732B1H102K		± 10%, 50V	1	
C 133		CER CAP	270 p F		
	CC732CH1H271J		± 5%, 50V	1	
C 134		CER CAP	470 p F		
	CC732CH1H471J		± 5%, 50V	1	
C 135		NOT ASSIGNED			
C 136		CER CAP	0.01 μ F		
	CK732B1H103K		± 10%, 50V	1	
C 137		CER CAP	0.01 μ F		
	CK732B1H103K		± 10%, 50V	1	
C 138		AL ELECTLT CAP	33 μ F		
	CE04C1V330A		± 20%, 35V	1	
* Selected at factory			DRAWING No. 34W99302 6/19		
ANRITSU CORP.					

Parts List of: A2-A6 MAIN LOOP

Ref. No.	Part Code	Description	Rating	Qty	Note
C 139		CER CAP	0.01 μ F		
	CK732B1H103K		± 10%, 50V	1	
C 140		AL ELECTLT CAP	47 μ F		
	CE04C1E470A		± 20%, 25V	1	
C 141		CER CAP	0.01 μ F		
	CK732B1H103K		± 10%, 50V	1	
C 142		CER CAP	4 p F, 50V		
	CC732CH1H040D		± 0.5 p F	1	
C 143		NOT ASSIGNED			
C 144		NOT ASSIGNED			
C 145		CER CAP	0.01 μ F		
	CK732B1H103K		± 10%, 50V	1	
C 146		CER CAP	0.01 μ F		
	CK732B1H103K		± 10%, 50V	1	
C 147		TA ELECTLT CAP	2.2 μ F		
	CS732E1E225M		± 20%, 25V	1	
C 148		TA ELECTLT CAP	2.2 μ F		
	CS732E1E225M		± 20%, 25V	1	
C 149		CER CAP	1000 p F		
	CK732B1H102K		± 10%, 50V	1	
C 150		CER CAP	1000 p F		
	CK732B1H102K		± 10%, 50V	1	
C 151		NOT ASSIGNED			
C 152		NOT ASSIGNED			
C 153		NOT ASSIGNED			
C 154		NOT ASSIGNED			
C 155		NOT ASSIGNED			
C 156		NOT ASSIGNED			
C 157		NOT ASSIGNED			
C 158		NOT ASSIGNED			
C 159		NOT ASSIGNED			
C 160		NOT ASSIGNED			
C 161		CER CAP	1000 p F		
	CK732B1H102K		± 10%, 50V	1	
* Selected at factory			DRAWING No. 34W99302 7/19		
ANRITSU CORP.					

Parts List of: A2-A6 MAIN LOOP

Ref. No.	Part Code	Description	Rating	Qty	Note
C 162	CER CAP	1000 p F			
	CK732B1H102K	± 10%, 50V		1	
C 163	CER CAP	0.01 μ F			
	CK732B1H103K	± 10%, 50V		1	
C 164	CER CAP	1000 p F			
	CK732B1H102K	± 10%, 50V		1	
C 165	CER CAP	1000 p F			
	CK732B1H102K	± 10%, 50V		1	
C 166	CER CAP	0.01 μ F			
	CK732B1H103K	± 10%, 50V		1	
C 167	CER CAP	0.01 μ F			
	CK732B1H103K	± 10%, 50V		1	
C 168	CER CAP	0.01 μ F			
	CK732B1H103K	± 10%, 50V		1	
C 169	CER CAP	0.01 μ F			
	CK732B1H103K	± 10%, 50V		1	
C 170	CER CAP	0.01 μ F			
	CK732B1H103K	± 10%, 50V		1	
C 171	NOT ASSIGNED				
C 172	NOT ASSIGNED				
C 173	NOT ASSIGNED				
C 174	NOT ASSIGNED				
C 175	NOT ASSIGNED				
C 176	NOT ASSIGNED				
C 177	NOT ASSIGNED				
C 178	NOT ASSIGNED				
C 179	NOT ASSIGNED				
C 180	NOT ASSIGNED				
C 181	CER CAP	100 p F			
	CC732CH1H101J	± 5%, 50V		1	
C 182	CER CAP	100 p F			
	CC732CH1H101J	± 5%, 50V		1	
C 183	CER CAP	0.01 μ F			
	CK732B1H103K	± 10%, 50V		1	
C 184	CER CAP	0.01 μ F			
	CK732B1H103K	± 10%, 50V		1	
* Selected at factory			DRAWING 34W99302 8/19		
ANRITSU CORP.					

Parts List of: A2-A6 MAIN LOOP

Ref. No.	Part Code	Description	Rating	Qty	Note
C 208	CER CAP	100 p F			
	CC732CH1H101J	± 5%, 50V		1	
E 1	CHECK TERMINAL				
	00292			1	
E 2	CHECK TERMINAL				
	00292			1	
L 1	INDUCTOR				
	342L62001			1	
L 2	INDUCTOR				
	342L62001			1	
L 3	INDUCTOR	LT-85			
	342L94361E	30m m		1	
L 4	INDUCTOR	LT-85			
	342L94361C	20m m		1	
L 5	PATTERN COIL	1 = 14m m			
				1	
L 6	PATTERN COIL	1 = 14m m			
				1	
L 7	PATTERN COIL	1 = 10m m			
				1	
L 8	PATTERN COIL	1 = 10m m			
				1	
L 9	INDUCTOR	10 μ H, ± 10%			
	NL453232-100K			1	
L 10	INDUCTOR	0.68 μ H ± 10%			
	NL322522-R68K			1	
L 11	NOT ASSIGNED				
L 12	NOT ASSIGNED				
L 13	NOT ASSIGNED				
L 14	NOT ASSIGNED				
L 15	NOT ASSIGNED				
L 16	NOT ASSIGNED				
L 17	NOT ASSIGNED				
* Selected at factory			DRAWING 34W99302 10/19		
ANRITSU CORP.					

Parts List of: A2-A6 MAIN LOOP

Ref. No.	Part Code	Description	Rating	Qty	Note
C 185	CER CAP	0.01 $\mu$ F			
	CK732B1H103K	$\pm$ 10%, 50V		1	
C 186	CER CAP	0.01 $\mu$ F			
	CK732B1H103K	$\pm$ 10%, 50V		1	
C 187	NOT ASSIGNED				
C 188	NOT ASSIGNED				
C 189	NOT ASSIGNED				
C 190	NOT ASSIGNED				
C 191	CER CAP	1000 p F			
	CK732B1H102K	$\pm$ 10%, 50V		1	
C 192	CER CAP	0.01 $\mu$ F			
	CK732B1H103K	$\pm$ 10%, 50V		1	
C 193	AL ELECTLT CAP	220 $\mu$ F			
	CE04C1A221A	$\pm$ 20%, 10V		1	
C 194	CER CAP	0.1 $\mu$ F			
	CK733B1H104K	$\pm$ 10%, 50V		1	
C 195	CER CAP	0.1 $\mu$ F			
	CK733B1H104K	$\pm$ 10%, 50V		1	
C 196	CER CAP	0.01 $\mu$ F			
	CK732B1H103K	$\pm$ 10%, 50V		1	
C 197	CER CAP	470 p F			
	CC732CH1H471J	$\pm$ 5%, 50V		1	
C 198	CER CAP	470 p F			
	CC732CH1H471J	$\pm$ 5%, 50V		1	
C 199	CER CAP	1000 p F			
	CK732B1H102K	$\pm$ 10%, 50V		1	
C 200	CER CAP	0.01 $\mu$ F			
	CK732B1H103K	$\pm$ 10%, 50V		1	
C 201	CER CAP	0.01 $\mu$ F			
	CK732B1H103K	$\pm$ 10%, 50V		1	
C 202	AL ELECTLT CAP	470 $\mu$ F			
	CE04C1A471A	$\pm$ 20%, 10V		1	
C 203	NOT ASSIGNED				
C 204	AL ELECTLT CAP	330 $\mu$ F			
	CE04C1E331A	$\pm$ 20%, 25V		1	
C 205	AL ELECTLT CAP	47 $\mu$ F			
	CE04C1H470A	$\pm$ 20%, 50V		1	
C 206	CER CAP	100 p F			
	CC732CH1H101J	$\pm$ 5%, 50V		1	
C 207	CER CAP	100 p F			
	CC732CH1H101J	$\pm$ 5%, 50V		1	
* Selected at factory			DRAWING 34W99302 9/19		
ANRITSU CORP.					

Parts List of: A2-A6 MAIN LOOP

Ref. No.	Part Code	Description	Rating	Qty	Note
L 18		NOT ASSIGNED			
L 19		NOT ASSIGNED			
L 20		NOT ASSIGNED			
L 21		INDUCTOR	0.68 $\mu$ H $\pm$ 10%		
L 22		NL322522-R68K		1	
		INDUCTOR	0.68 $\mu$ H $\pm$ 10%		
		NL322522-R68K		1	
L 23			1 = 10m m		
L 24		PATTERN COIL	1 = 10m m	1	
L 25		PATTERN COIL	1 = 10m m	1	
L 26		PATTERN COIL		1	
		INDUCTOR	0.1 $\mu$ H		
		NL322522-R10K		1	
L 27		INDUCTOR	0.1 $\mu$ H		
		NL322522-R10K		1	
L 28		INDUCTOR	0.1 $\mu$ H		
		NL322522-R10K		1	
L 29		INDUCTOR	0.1 $\mu$ H		
		NL322522-R10K		1	
L 30		INDUCTOR	0.68 $\mu$ H $\pm$ 10%		
		NL322522-R68K		1	
L 31		INDUCTOR	10 $\mu$ H $\pm$ 10%		
		NL453232-100K		1	
L 32		NOT ASSIGNED			
L 33		NOT ASSIGNED			
L 34		NOT ASSIGNED			
L 35		NOT ASSIGNED			
L 36		NOT ASSIGNED			
L 37		NOT ASSIGNED			
L 38		NOT ASSIGNED			
L 39		NOT ASSIGNED			
L 40		NOT ASSIGNED			
Dep.					
* Selected at factory			DRAWING 34W99302 11/19		
			ANRITSU CORP.		

Parts List of: A2-A6 MAIN LOOP

Ref. No.	Part Code	Description	Rating	Qty	Note
L 41		INDUCTOR NL322522-R10K	0.1 $\mu$ H	1	
L 42		NOT ASSIGNED			
L 43		INDUCTOR NL322522-R10K	0.1 $\mu$ H	1	
L 44		INDUCTOR NL322522-R47K	0.47 $\mu$ H $\pm$ 10%	1	
L 45		INDUCTOR NL322522-R47K	0.47 $\mu$ H $\pm$ 10%	1	
L 46		INDUCTOR NL322522-R47K	0.47 $\mu$ H $\pm$ 10%	1	
L 47		INDUCTOR NL322522-R47K	0.47 $\mu$ H $\pm$ 10%	1	
L 48		INDUCTOR NL453232-100K	10 $\mu$ H $\pm$ 10%	1	
L 49		INDUCTOR NL453232-100K	10 $\mu$ H $\pm$ 10%	1	
L 50		INDUCTOR NL322522-R22K	0.22 $\mu$ H $\pm$ 10%	1	
L 51		INDUCTOR NL453232-1R0K	1.0 $\mu$ H $\pm$ 10%	1	
L 52		INDUCTOR NL453232-100K	10 $\mu$ H $\pm$ 10%	1	
L 53		NOT ASSIGNED			
L 54		NOT ASSIGNED			
L 55		NOT ASSIGNED			
L 56		NOT ASSIGNED			
L 57		NOT ASSIGNED			
L 58		NOT ASSIGNED			
L 59		NOT ASSIGNED			
L 60		INDUCTOR NL322522-R68K	0.68 $\mu$ H $\pm$ 10%	1	
L 61		INDUCTOR NL453232-1R0K	1.0 $\mu$ H $\pm$ 10%	1	
L 62		INDUCTOR NL453232-1R0K	1.0 $\mu$ H $\pm$ 10%	1	
L 63		INDUCTOR NL453232-101K	100 $\mu$ H $\pm$ 10%	1	
Dep.			DRAWING 34W99302 12/19		
• Selected at factory			ANRITSU CORP.		

Parts List of: A2-A6 MAIN LOOP

Ref. No.	Part Code	Description	Rating	Qty	Note
L 64		INDUCTOR NL322522-R68K	0.68 $\mu$ H $\pm$ 10%	1	
L 65		NOT ASSIGNED			
L 66		INDUCTOR TSL0707-101KR66	100 $\mu$ H	1	
L 67		NOT ASSIGNED			
L 68		INDUCTOR TSL0707-471KR30	470 $\mu$ H	1	
L 69		INDUCTOR NL453232-101K	100 $\mu$ H $\pm$ 10%	1	
Q 1		DIODE 1SV164		1	
Q 2		DIODE 1SV164		1	
Q 3		DIODE 1SV164		1	
Q 4		TRANSISTOR 2SC2369		1	
Q 5		TRANSISTOR 2SC3356		1	
Q 6		DIODE 1SV128A		1	
Q 7		NOT ASSIGNED			
Q 8		DIODE 1SV164		1	
Q 9		DIODE HVM15		1	
Q 10		TRANSISTOR 2SC2369		1	
Q 11		TRANSISTOR 2SC3356		1	
Q 12		DIODE 1SV128A		1	
Q 13		IC NJU201AM		1	
Q 14		IC $\mu$ PC1675G		1	
Q 15		IC $\mu$ PC1675G		1	
Dep.			DRAWING 34W99302 13/19		
• Selected at factory			ANRITSU CORP.		

Parts List of: A2-A6 MAIN LOOP

Ref. No.	Part Code	Description	Rating	Qty	Note
Q 16		DIODE A1SS123		1	
Q 17		ZENER DIODE RD7.5MB2		1	
Q 18		ZENER DIODE RD7.5MB2		1	
Q 19		NOT ASSIGNED			
Q 20		NOT ASSIGNED			
Q 21		IC $\mu$ PC1677C		1	
Q 22		IC $\mu$ PC1652G		1	
Q 23		IC $\mu$ PC1677C		1	
Q 24		NOT ASSIGNED			
Q 25		NOT ASSIGNED			
Q 26		IC $\mu$ PC1652G		1	
Q 27		IC $\mu$ PC1652G		1	
Q 28		NOT ASSIGNED			
Q 29		NOT ASSIGNED			
Q 30		NOT ASSIGNED			
Q 31		IC LM365M		1	
Q 32		IC $\mu$ PC79N08H		1	
Q 33		NOT ASSIGNED			
Q 34		IC NJU201AM		1	
Q 35		NOT ASSIGNED			
Q 36		IC $\mu$ PC1675G		1	
Q 37		IC $\mu$ PC1675G		1	
Q 38		IC $\mu$ PB587G		1	
Dep.			DRAWING 34W99302 14/19		
• Selected at factory			ANRITSU CORP.		

Parts List of: A2-A6 MAIN LOOP

Ref. No.	Part Code	Description	Rating	Qty	Note
Q 39		DIODE A1SS123		1	
Q 40		DIODE A1SS123		1	
Q 41		IC PLL2001S		1	
Q 42		IC PLL2001S		1	
Q 43		IC MNC206FP		1	
Q 44		IC $\mu$ PC1677C		1	
Q 45		NOT ASSIGNED			
Q 46		IC 74HC14F		1	
R 1		CERMET RESISTOR RK73M2A332J	3.3K $\Omega$ $\pm$ 5%, 1/10W	1	
R 2		CERMET RESISTOR RK73M2A101J	100 $\Omega$ $\pm$ 5%, 1/10W	1	
R 3		CERMET RESISTOR RK73M2A102J	1K $\Omega$ $\pm$ 5%, 1/10W	1	
R 4		CERMET RESISTOR RK73M2A471J	470 $\Omega$ $\pm$ 5%, 1/10W	1	
R 5		CERMET RESISTOR RK73M2A332J	3.3K $\Omega$ $\pm$ 5%, 1/10W	1	
R 6		CERMET RESISTOR RK73M2A472J	4.7K $\Omega$ $\pm$ 5%, 1/10W	1	
R 7		CERMET RESISTOR RK73M2A682J	6.8K $\Omega$ $\pm$ 5%, 1/10W	1	
R 8		CERMET RESISTOR RK73M2A562J	5.6K $\Omega$ $\pm$ 5%, 1/10W	1	
R 9		CERMET RESISTOR RK73M2A150J	15 $\Omega$ $\pm$ 5%, 1/10W	1	
R 10		CERMET RESISTOR RK73M2A331J	330 $\Omega$ $\pm$ 5%, 1/10W	1	
R 11		CERMET RESISTOR RK73M2A181J	180 $\Omega$ $\pm$ 5%, 1/10W	1	
R 12		CERMET RESISTOR RK73M2A220J	22 $\Omega$ $\pm$ 5%, 1/10W	1	
R 13		CERMET RESISTOR RK73M2A102J	1K $\Omega$ $\pm$ 5%, 1/10W	1	
R 14		CERMET RESISTOR RK73M2A102J	1K $\Omega$ $\pm$ 5%, 1/10W	1	
Dep.			DRAWING 34W99302 15/19		
• Selected at factory			ANRITSU CORP.		

Parts List of: A2-A6 MAIN LOOP

Ref. No.	Part Code	Description	Rating	Qty	Note
R 15		CERMET RESISTOR RK73M2A471J	470Ω ± 5%, 1/10W	1	
R 16		CERMET RESISTOR RK73M2A332J	330Ω ± 5%, 1/10W	1	
R 17		CERMET RESISTOR RK73M2A472J	470Ω ± 5%, 1/10W	1	
R 18		CERMET RESISTOR RK73M2A682J	680Ω ± 5%, 1/10W	1	
R 19		CERMET RESISTOR RK73M2A562J	560Ω ± 5%, 1/10W	1	
R 20		CERMET RESISTOR RK73M2A150J	150Ω ± 5%, 1/10W	1	
R 21		CERMET RESISTOR RK73M2A331J	330Ω ± 5%, 1/10W	1	
R 22		CERMET RESISTOR RK73M2A181J	180Ω ± 5%, 1/10W	1	
R 23		CERMET RESISTOR RK73M2A220J	220Ω ± 5%, 1/10W	1	
R 24		CERMET RESISTOR RK73M2A102J	100Ω ± 5%, 1/10W	1	
R 25		CERMET RESISTOR RK73M2A101J	100Ω ± 5%, 1/10W	1	
R 26		CERMET RESISTOR RK73M2A101J	100Ω ± 5%, 1/10W	1	
R 27		CERMET RESISTOR RK73M2A103J	100Ω ± 5%, 1/10W	1	
R 28		CERMET RESISTOR RK73M2A220J	220Ω ± 5%, 1/10W	1	
R 29		CERMET RESISTOR RK73M2A221J	220Ω ± 5%, 1/10W	1	
R 30		CERMET RESISTOR RK73M2A220J	220Ω ± 5%, 1/10W	1	
R 31		CERMET RESISTOR RK73M2A221J	220Ω ± 5%, 1/10W	1	
R 32		CERMET RESISTOR RK73M2A822J	8.2KΩ ± 5%, 1/10W	1	
R 33		NOT ASSIGNED			
R 34		NOT ASSIGNED			
R 35		NOT ASSIGNED			
R 36		NOT ASSIGNED			
R 37		NOT ASSIGNED			
Dep.					
* Selected at factory			DRAWING № 34W99302	18/19	
ANRITSU CORP.					

Parts List of: A2-A6 MAIN LOOP

Ref. No.	Part Code	Description	Rating	Qty	Note
R 38		NOT ASSIGNED			
R 39		NOT ASSIGNED			
R 40		NOT ASSIGNED			
R 41		CERMET RESISTOR RK73M2A221J	220Ω ± 5%, 1/10W	1	
R 42		CERMET RESISTOR RK73M2A220J	220Ω ± 5%, 1/10W	1	
R 43		CERMET RESISTOR RK73M2A221J	220Ω ± 5%, 1/10W	1	
R 44		CERMET RESISTOR RK73M2A471J	470Ω ± 5%, 1/10W	1	
R 45		CERMET RESISTOR RK73M2A100J	100Ω ± 5%, 1/10W	1	
R 46		CERMET RESISTOR RK73M2A471J	470Ω ± 5%, 1/10W	1	
R 47		NOT ASSIGNED			
R 48		NOT ASSIGNED			
R 49		NOT ASSIGNED			
R 50		NOT ASSIGNED			
R 51		CERMET RESISTOR RK73M2A470J	470Ω ± 5%, 1/10W	1	
R 52		CERMET RESISTOR RK73M2A221J	220Ω ± 5%, 1/10W	1	
R 53		CERMET RESISTOR RK73M2A220J	220Ω ± 5%, 1/10W	1	
R 54		CERMET RESISTOR RK73M2A221J	220Ω ± 5%, 1/10W	1	
R 55		NOT ASSIGNED			
R 56		CERMET RESISTOR RK73M2A100J	100Ω ± 5%, 1/10W	1	
R 57		NOT ASSIGNED			
R 58		CERMET RESISTOR RK73M2A151J	150Ω ± 5%, 1/10W	1	
R 59		CERMET RESISTOR RK73M2A390J	390Ω ± 5%, 1/10W	1	
R 60		CERMET RESISTOR RK73M2A151J	150Ω ± 5%, 1/10W	1	
Dep.					
* Selected at factory			DRAWING № 34W99302	17/19	
ANRITSU CORP.					

Parts List of: A2-A6 MAIN LOOP

Ref. No.	Part Code	Description	Rating	Qty	Note
R 61		CERMET RESISTOR RK73M2A510J	510Ω ± 5%, 1/10W	1	
R 62		CERMET RESISTOR RK73M2A331J	330Ω ± 5%, 1/10W	1	
R 63		CERMET RESISTOR RK73M2A682J	680Ω ± 5%, 1/10W	1	
R 64		CERMET RESISTOR RK73M2A103J	100Ω ± 5%, 1/10W	1	
R 65		CERMET RESISTOR RK73M2A223J	22KΩ ± 5%, 1/10W	1	
R 66		CERMET RESISTOR RK73M2A223J	22KΩ ± 5%, 1/10W	1	
R 67		NOT ASSIGNED			
R 68		NOT ASSIGNED			
R 69		NOT ASSIGNED			
R 70		NOT ASSIGNED			
R 71		NOT ASSIGNED			
R 72		NOT ASSIGNED			
R 73		NOT ASSIGNED			
R 74		NOT ASSIGNED			
R 75		NOT ASSIGNED			
R 76		NOT ASSIGNED			
R 77		NOT ASSIGNED			
R 78		NOT ASSIGNED			
R 79		NOT ASSIGNED			
R 80		NOT ASSIGNED			
R 81		CERMET RESISTOR RK73M2A510J	510Ω ± 5%, 1/10W	1	
R 82		CERMET RESISTOR RK73M2A151J	150Ω ± 5%, 1/10W	1	
R 83		CERMET RESISTOR RK73M2A390J	390Ω ± 5%, 1/10W	1	
Dep.					
* Selected at factory			DRAWING № 34W99302	18/19	
ANRITSU CORP.					

Parts List of: A2-A6 MAIN LOOP

Ref. No.	Part Code	Description	Rating	Qty	Note
R 84		CERMET RESISTOR RK73M2A151J	150Ω ± 5%, 1/10W	1	
R 85		CERMET RESISTOR RK73M2A510J	510Ω ± 5%, 1/10W	1	
R 86		CERMET RESISTOR RK73M2A102J	1KΩ ± 5%, 1/10W	1	
R 87		CERMET RESISTOR RK73M2A477J	4.7Ω ± 5%, 1/10W	1	
R 88		CERMET RESISTOR RK73M2A102J	1KΩ ± 5%, 1/10W	1	
R 89		CERMET RESISTOR RK73M2A101J	100Ω ± 5%, 1/10W	1	
R 90		CERMET RESISTOR RK73M2A680J	680Ω ± 5%, 1/10W	1	
R 91		CERMET RESISTOR RK73M2A101J	100Ω ± 5%, 1/10W	1	
R 92		CERMET RESISTOR RK73M2A333J	330Ω ± 5%, 1/10W	1	
R 93		CERMET RESISTOR RK73M2A221J	220Ω ± 5%, 1/10W	1	
R 94		CERMET RESISTOR RK73M2A510J	510Ω ± 5%, 1/10W	1	
W 1		COAXIAL CABLE 34J99143		1	
Z 1		MIXER M-18X		1	
Z 2		MIXER M-18X		1	
Z 3		MIXER M-8		1	
Z 4		BPF AKLT-110MA	110MHZ B.P.F.	1	335BBXS-0399
Dep.					
* Selected at factory			DRAWING № 34W99302	19/19	
ANRITSU CORP.					

Parts List of: A2-A7 OUTPUT

Ref. No.	Part Code	Description	Rating	Qty	Note
C 1	CER CAP	0.01 $\mu$ F			
C 2	CK732BH103K	$\pm 10\%$ , 50V		1	
C 3	CER CAP	0.01 $\mu$ F			
C 4	CK732BH103K	$\pm 10\%$ , 50V		1	
C 5	CER CAP	3p F, 50V			
C 6	CC732CJ1H030C	$\pm 0.25$ p F		1	
C 7	CER CAP	5p F, 50V			
C 8	CC732CH1H050D	$\pm 0.5$ p F		1	
C 9	CER CAP	5p F, 50V			
C 10	CC732CH1H050D	$\pm 0.5$ p F		1	
C 11	CER CAP	3p F, 50V			
C 12	CC732CJ1H030C	$\pm 0.25$ p F		1	
C 13	CER CAP	5p F, 50V			
C 14	CC732CH1H050D	$\pm 0.5$ p F		1	
C 15	CER CAP	8p F, 50V			
C 16	CC732CH1H080D	$\pm 0.5$ p F		1	
C 17	CER CAP	8p F, 50V			
C 18	CC732CH1H080D	$\pm 0.5$ p F		1	
C 19	CER CAP	5p F, 50V			
C 20	CC732CH1H050D	$\pm 0.5$ p F		1	
C 21	CER CAP	0.01 $\mu$ F			
C 22	CK732BH103K	$\pm 10\%$ , 50V		1	
C 23	CER CAP	1000 p F			
C 24	CK732BH102K	$\pm 10\%$ , 50V		1	
C 25	CER CAP	0.01 $\mu$ F			
C 26	CK732BH103K	$\pm 10\%$ , 50V		1	
C 27	CER CAP	0.01 $\mu$ F			
C 28	CK732BH102K	$\pm 10\%$ , 50V		1	
C 29	CER CAP	0.01 $\mu$ F			
C 30	CK732BH103K	$\pm 10\%$ , 50V		1	
C 31	CER CAP	1000 p F			
C 32	CK732BH102K	$\pm 10\%$ , 50V		1	
C 33	CER CAP	0.01 $\mu$ F			
C 34	CK732BH103K	$\pm 10\%$ , 50V		1	
C 35	CER CAP	0.01 $\mu$ F			
C 36	CK732BH102K	$\pm 10\%$ , 50V		1	
C 37	CER CAP	0.01 $\mu$ F			
C 38	CK732BH103K	$\pm 10\%$ , 50V		1	
C 39	CER CAP	12p F			
C 40	CC732CH1H20J	$\pm 5\%$ , 50V		1	
C 41	CER CAP	22p F			
C 42	CC732CH1H220J	$\pm 5\%$ , 50V		1	
C 43	CER CAP	22p F			
C 44	CC732CH1H220J	$\pm 5\%$ , 50V		1	
C 45	CER CAP	33p F			
C 46	CC732CH1H330J	$\pm 5\%$ , 50V		1	
C 47	CER CAP	33p F			
C 48	CC732CH1H330J	$\pm 5\%$ , 50V		1	
C 49	CER CAP	33p F			
C 50	CC732CH1H330J	$\pm 5\%$ , 50V		1	
C 51	CER CAP	33p F			
C 52	CC732CH1H330J	$\pm 5\%$ , 50V		1	
C 53	CER CAP	33p F			
C 54	CC732CH1H330J	$\pm 5\%$ , 50V		1	
C 55	CER CAP	33p F			
C 56	CC732CH1H330J	$\pm 5\%$ , 50V		1	
C 57	CER CAP	33p F			
C 58	CC732CH1H330J	$\pm 5\%$ , 50V		1	
C 59	CER CAP	33p F			
C 60	CC732CH1H330J	$\pm 5\%$ , 50V		1	
C 61	CER CAP	33p F			
C 62	CC732CH1H330J	$\pm 5\%$ , 50V		1	
C 63	CER CAP	33p F			
C 64	CC732CH1H330J	$\pm 5\%$ , 50V		1	
C 65	CER CAP	33p F			
C 66	CC732CH1H330J	$\pm 5\%$ , 50V		1	
C 67	CER CAP	33p F			
C 68	CC732CH1H330J	$\pm 5\%$ , 50V		1	
C 69	CER CAP	33p F			
C 70	CC732CH1H330J	$\pm 5\%$ , 50V		1	
C 71	CER CAP	33p F			
C 72	CC732CH1H330J	$\pm 5\%$ , 50V		1	
C 73	CER CAP	33p F			
C 74	CC732CH1H330J	$\pm 5\%$ , 50V		1	
C 75	CER CAP	33p F			
C 76	CC732CH1H330J	$\pm 5\%$ , 50V		1	
C 77	CER CAP	33p F			
C 78	CC732CH1H330J	$\pm 5\%$ , 50V		1	
C 79	CER CAP	33p F			
C 80	CC732CH1H330J	$\pm 5\%$ , 50V		1	
C 81	CER CAP	33p F			
C 82	CC732CH1H330J	$\pm 5\%$ , 50V		1	
C 83	CER CAP	33p F			
C 84	CC732CH1H330J	$\pm 5\%$ , 50V		1	
C 85	CER CAP	33p F			
C 86	CC732CH1H330J	$\pm 5\%$ , 50V		1	
C 87	CER CAP	33p F			
C 88	CC732CH1H330J	$\pm 5\%$ , 50V		1	
C 89	CER CAP	33p F			
C 90	CC732CH1H330J	$\pm 5\%$ , 50V		1	
C 91	CER CAP	33p F			
C 92	CC732CH1H330J	$\pm 5\%$ , 50V		1	
C 93	CER CAP	33p F			
C 94	CC732CH1H330J	$\pm 5\%$ , 50V		1	
C 95	CER CAP	33p F			
C 96	CC732CH1H330J	$\pm 5\%$ , 50V		1	
C 97	CER CAP	33p F			
C 98	CC732CH1H330J	$\pm 5\%$ , 50V		1	
C 99	CER CAP	33p F			
C 100	CC732CH1H330J	$\pm 5\%$ , 50V		1	

Parts List of: A2-A7 OUTPUT

Ref. No.	Part Code	Description	Rating	Qty	Note
C 24	CER CAP	8p F, 50V			
C 25	CC732CH1H060D	$\pm 0.5$ p F		1	
C 26	CER CAP	10p F			
C 27	CC732CH1H100D	$\pm 0.5$ p F, 50V		1	
C 28	CER CAP	18p F			
C 29	CC732CH1H180J	$\pm 5\%$ , 50V		1	
C 30	CER CAP	18p F			
C 31	CC732CH1H180J	$\pm 5\%$ , 50V		1	
C 32	CER CAP	10p F			
C 33	CC732CH1H100D	$\pm 0.5$ p F, 50V		1	
C 34	CER CAP	0.01 $\mu$ F			
C 35	CK732BH103K	$\pm 10\%$ , 50V		1	
C 36	CER CAP	1000 p F			
C 37	CK732BH102K	$\pm 10\%$ , 50V		1	
C 38	CER CAP	0.01 $\mu$ F			
C 39	CK732BH103K	$\pm 10\%$ , 50V		1	
C 40	CER CAP	0.01 $\mu$ F			
C 41	CK732BH103K	$\pm 10\%$ , 50V		1	
C 42	CER CAP	1000 p F			
C 43	CK732BH102K	$\pm 10\%$ , 50V		1	
C 44	CER CAP	0.01 $\mu$ F			
C 45	CK732BH103K	$\pm 10\%$ , 50V		1	
C 46	CER CAP	12p F			
C 47	CC732CH1H120J	$\pm 5\%$ , 50V		1	
C 48	CER CAP	22p F			
C 49	CC732CH1H220J	$\pm 5\%$ , 50V		1	
C 50	CER CAP	22p F			
C 51	CC732CH1H220J	$\pm 5\%$ , 50V		1	
C 52	CER CAP	12p F			
C 53	CC732CH1H120J	$\pm 5\%$ , 50V		1	
C 54	CER CAP	22p F			
C 55	CC732CH1H220J	$\pm 5\%$ , 50V		1	
C 56	CER CAP	33p F			
C 57	CC732CH1H330J	$\pm 5\%$ , 50V		1	
C 58	CER CAP	33p F			
C 59	CC732CH1H330J	$\pm 5\%$ , 50V		1	
C 60	CER CAP	33p F			
C 61	CC732CH1H330J	$\pm 5\%$ , 50V		1	
C 62	CER CAP	33p F			
C 63	CC732CH1H330J	$\pm 5\%$ , 50V		1	
C 64	CER CAP	33p F			
C 65	CC732CH1H330J	$\pm 5\%$ , 50V		1	
C 66	CER CAP	33p F			
C 67	CC732CH1H330J	$\pm 5\%$ , 50V		1	
C 68	CER CAP	33p F			
C 69	CC732CH1H330J	$\pm 5\%$ , 50V		1	
C 70	CER CAP	33p F			
C 71	CC732CH1H330J	$\pm 5\%$ , 50V		1	
C 72	CER CAP	33p F			
C 73	CC732CH1H330J	$\pm 5\%$ , 50V		1	
C 74	CER CAP	33p F			
C 75	CC732CH1H330J	$\pm 5\%$ , 50V		1	
C 76	CER CAP	33p F			
C 77	CC732CH1H330J	$\pm 5\%$ , 50V		1	
C 78	CER CAP	33p F			
C 79	CC732CH1H330J	$\pm 5\%$ , 50V		1	
C 80	CER CAP	33p F			
C 81	CC732CH1H330J	$\pm 5\%$ , 50V		1	
C 82	CER CAP	33p F			
C 83	CC732CH1H330J	$\pm 5\%$ , 50V		1	
C 84	CER CAP	33p F			
C 85	CC732CH1H330J	$\pm 5\%$ , 50V		1	
C 86	CER CAP	33p F			
C 87	CC732CH1H330J	$\pm 5\%$ , 50V		1	
C 88	CER CAP	33p F			
C 89	CC732CH1H330J	$\pm 5\%$ , 50V		1	
C 90	CER CAP	33p F			
C 91	CC732CH1H330J	$\pm 5\%$ , 50V		1	
C 92	CER CAP	33p F			
C 93	CC732CH1H330J	$\pm 5\%$ , 50V		1	
C 94	CER CAP	33p F			
C 95	CC732CH1H330J	$\pm 5\%$ , 50V		1	
C 96	CER CAP	33p F			
C 97	CC732CH1H330J	$\pm 5\%$ , 50V		1	
C 98	CER CAP	33p F			
C 99	CC732CH1H330J	$\pm 5\%$ , 50V		1	
C 100	CER CAP	33p F			

Parts List of: A2-A7 OUTPUT

Ref. No.	Part Code	Description	Rating	Qty	Note
C 47	NOT ASSIGNED				
C 48	NOT ASSIGNED				
C 49	CER CAP	0.01 $\mu$ F			
C 50	CK732BH103K	$\pm 10\%$ , 50V		1	
C 51	CER CAP	100p F			
C 52	CC732CH1H101J	$\pm 5\%$ , 50V		1	
C 53	CER CAP	0.01 $\mu$ F			
C 54	CK732BH103K	$\pm 10\%$ , 50V		1	
C 55	CER CAP	1000 p F			
C 56	CK732BH102K	$\pm 10\%$ , 50V		1	
C 57	CER CAP	1000 p F			
C 58	CK732BH102K	$\pm 10\%$ , 50V		1	
C 59	NOT ASSIGNED				
C 60	NOT ASSIGNED				
C 61	NOT ASSIGNED				
C 62	NOT ASSIGNED				
C 63	NOT ASSIGNED				
C 64	NOT ASSIGNED				
C 65	NOT ASSIGNED				
C 66	NOT ASSIGNED				
C 67	NOT ASSIGNED				
C 68	NOT ASSIGNED				
C 69	NOT ASSIGNED				
C 70	NOT ASSIGNED				
C 71	NOT ASSIGNED				
C 72	NOT ASSIGNED				
C 73	NOT ASSIGNED				
C 74	NOT ASSIGNED				
C 75	NOT ASSIGNED				
C 76	NOT ASSIGNED				
C 77	NOT ASSIGNED				
C 78	NOT ASSIGNED				
C 79	NOT ASSIGNED				
C 80	NOT ASSIGNED				
C 81	NOT ASSIGNED				
C 82	NOT ASSIGNED				
C 83	NOT ASSIGNED				
C 84	NOT ASSIGNED				
C 85	NOT ASSIGNED				
C 86	NOT ASSIGNED				
C 87	NOT ASSIGNED				
C 88	NOT ASSIGNED				
C 89	NOT ASSIGNED				
C 90	NOT ASSIGNED				
C 91	NOT ASSIGNED				
C 92	NOT ASSIGNED				
C 93	NOT ASSIGNED				
C 94	NOT ASSIGNED				
C 95	NOT ASSIGNED				
C 96	NOT ASSIGNED				
C 97	NOT ASSIGNED				
C 98	NOT ASSIGNED				
C 99	NOT ASSIGNED				
C 100	NOT ASSIGNED				

Parts List of: A2-A7 OUTPUT

Ref. No.	Part Code	Description	Rating	Qty	Note
C 70	CER CAP	1000 p F			
C 71	CK732BH102K	$\pm 10\%$ , 50V		1	
C 72	CER CAP	0.01 $\mu$ F			
C 73	CK732BH103K	$\pm 10\%$ , 50V		1	
C 74	CER CAP	0.01 $\mu$ F			
C 75	CK732BH103K	$\pm 10\%$ , 50V		1	
C 76	CER CAP	1000 p F			
C 77	CK732BH102K	$\pm 10\%$ , 50V		1	
C 78	CER CAP	15 p F			
C 79	CC732CH1H150J	$\pm 5\%$ , 50V		1	
C 80	CER CAP	33 p F			
C 81	CK732CH1H330J	$\pm 5\%$ , 50V		1	
C 82	CER CAP	33 p F			
C 83	CC732CH1H330J	$\pm 5\%$ , 50V		1	
C 84	CER CAP	15 p F			
C 85	CC732CH1H150J	$\pm 5\%$ , 50V		1	
C 86	CER CAP	0.1 $\mu$ F			
C 87	CK733BH104K	$\pm 5\%$ , 50V		1	
C 88	CER CAP	0.1 $\mu$ F			
C 89	CK732BH103K	$\pm 10\%$ , 50V		1	
C 90	CER CAP	0.1 $\mu$ F			
C 91	CK733BH104K	$\pm 5\%$ , 50V		1	
C 92	CER CAP	0.01 $\mu$ F			
C 93	CK732BH103K	$\pm 10\%$ , 50V		1	
C 94	CER CAP	0.01 $\mu$ F			
C 95	CK732BH103K	$\pm 10\%$ , 50V		1	
C 96	CER CAP	0.01 $\mu$ F			
C 97	CK732BH103K	$\pm 10\%$ , 50V		1	
C 98	CER CAP	0.01 $\mu$ F			
C 99	CK732BH103K	$\pm 10\%$ , 50V		1	
C 100	CER CAP	0.01 $\mu$ F			
C 101	CK732BH103K	$\pm 10\%$ , 50V		1	
C 102	CER CAP	0.01 $\mu$ F			
C 103	CK732BH103K	$\pm 10\%$ , 50V		1	
C 104	CER CAP	0.01 $\mu$ F			
C 105	CK732BH103K	$\pm 10\%$ , 50V		1	
C 106	CER CAP	0.01 $\mu$ F			
C 107	CK732BH103K	$\pm 10\%$ , 50V		1	
C 108	CER CAP	0.01 $\mu$ F			
C 109	CK732BH103K	$\pm 10\%$ , 50V		1	
C 110	CER CAP	0.01 $\mu$ F			
C 111	CK732BH103K	$\pm 10\%$ , 50V		1	
C 112	CER CAP	0.01 $\mu$ F			
C 113	CK732BH103K	$\pm 10\%$ , 50V		1	
C 114	CER CAP	0.01 $\mu$ F			
C 115	CK732BH103K	$\pm 10\%$ , 50V		1	
C 116	CER CAP	0.01 $\mu$ F			
C 117	CK732BH103K	$\pm 10\%$ , 50V		1	
C 118	CER CAP	0.01 $\mu$ F			
C 119	CK732BH103K	$\pm 10\%$ , 50V		1	
C 120	CER CAP	0.01 $\mu$ F			
C 121	CK732BH103K	$\pm 10\%$ , 50V		1	
C 122	CER CAP	0.01 $\mu$ F			
C 123	CK732BH103K	$\pm 10\%$ , 50V		1	
C 124	CER CAP	0.01 $\mu$ F			
C 125	CK732BH103K	$\pm 10\%$ , 50V		1	
C 126	CER CAP	0.01 $\mu$ F			
C 127	CK732BH103K	$\pm 10\%$ , 50V		1	
C 128	CER CAP	0.01 $\mu$ F			
C 129	CK732BH103K	$\pm 10\%$ , 50V		1	
C 130	CER CAP	0.01 $\mu$ F			
C 131	CK732BH103K	$\pm 10\%$ , 50V		1	
C 132	CER CAP	0.01 $\mu$ F			
C 133	CK732BH103K	$\pm 10\%$ , 50V		1	
C 134	CER CAP	0.01 $\mu$ F			
C 135	CK732BH103K	$\pm 10\%$ , 50V		1	
C 136	CER CAP	0.01 $\mu$ F			
C 137	CK732BH103K	$\pm 10\%$ , 50V		1	
C 138	CER CAP	0.01 $\mu$ F			
C 139	CK732BH103K	$\pm 10\%$ , 50V		1	
C 140	CER CAP	0.01 $\mu$ F			
C 141	CK732BH103K	$\pm 10\%$ , 50V		1	
C 142	CER CAP	0.01 $\mu$ F			
C 143	CK732BH103K	$\pm 10\%$ , 50V		1	
C 144	CER CAP	0.01 $\mu$ F			
C 145	CK732BH103K	$\pm 10\%$ , 50V		1	
C 146	CER CAP	0.01 $\mu$ F			
C 147	CK732BH103K	$\pm 10\%$ , 50V		1	
C 148	CER CAP	0.01 $\mu$ F			
C 149	CK732BH103K	$\pm 10\%$ , 50V		1	
C 150	CER CAP	0.01 $\mu$ F			
C 151	CK732BH103K	$\pm 10\%$ , 50V		1	
C 152	CER CAP	0.01 $\mu$ F			
C 153	CK732BH103K	$\pm 10\%$ , 50V		1	
C 154	CER CAP	0.01 $\mu$ F			
C 155	CK732BH103K	$\pm 10\%$ , 50V		1	
C 156	CER CAP	0.01 $\mu$ F			
C 157	CK732BH103K	$\pm 10\%$ , 50V		1	
C 158	CER CAP	0.01 $\mu$ F			
C 159	CK732BH103K	$\pm 10\%$ , 50V		1	
C 160	CER CAP	0.01 $\mu$ F			
C 161	CK732BH103K	$\pm 10\%$ , 50V		1	
C 162	CER CAP	0.01 $\mu$ F			
C 163	CK732BH103K	$\pm 10\%$ , 50V		1	
C 164	CER CAP	0.01 $\mu$ F			
C 165	CK732BH103K	$\pm 10\%$ , 50V		1	
C 166	CER CAP	0.01 $\mu$ F			
C 167	CK732BH103K	$\pm 10\%$ , 50V		1	
C 168	CER CAP	0.01 $\mu$ F			
C 169	CK732BH103K	$\pm 10\%$ , 50V		1	
C 170	CER CAP	0.01 $\mu$ F			
C 171	CK732BH103K	$\pm 10\%$ , 50V		1	
C 172	CER CAP	0.01 $\mu$ F			
C 173	CK732BH103K	$\pm 10\%$ , 50V		1	
C 174	CER CAP	0.01 $\mu$ F			
C 175	CK732BH103K	$\pm 10\%$ , 50V		1	
C 176	CER CAP	0.01 $\mu$ F			
C 177	CK732BH103K	$\pm 10\%$ , 50V		1	
C 178	CER CAP	0.01 $\mu$ F			
C 179	CK732BH103K	$\pm 10\%$ , 50V		1	
C 180	CER CAP	0.01 $\mu$ F			
C 181	CK732BH103K	$\pm 10\%$ , 50V		1	
C 182	CER CAP	0.01 $\mu$ F			
C 183	CK732BH103K	$\pm 10\%$ , 50V		1	
C 184	CER CAP	0.01 $\mu$ F			
C 185	CK732BH103K	$\pm 10\%$ , 50V		1	
C 186	CER CAP	0.01 $\mu$ F			
C 187	CK732BH103K	$\pm 10\%$ , 50V		1	
C 188	CER CAP	0.01 $\mu$ F			
C 189	CK732BH103K	$\pm 10\%$ , 50V		1	
C 190	CER CAP	0.01 $\mu$ F			
C 191	CK732BH103K	$\pm 10\%$ , 50V		1	
C 192	CER CAP	0.01 $\mu$ F			
C 193	CK732BH103K	$\pm 10\%$ , 50V		1	
C 194	CER CAP	0.01 $\mu$ F			
C 195	CK732BH103K	$\pm 10\%$ , 50V		1	
C 196	CER CAP	0.01 $\mu$ F			
C 197	CK732BH103K	$\pm 10\%$ , 50V		1	
C 198	CER CAP	0.01 $\mu$ F			
C 199	CK732BH103K	$\pm 10\%$ , 50V		1	
C 200	CER CAP	0.01 $\mu$ F			
C 201	CK732BH103K	$\pm 10\%$ , 50V		1	
C 202	CER CAP	0.01 $\mu$ F			
C 203	CK732BH103K	$\pm 10\%$ , 50V		1	
C 204	CER CAP	0.01 $\mu$ F			
C 205	CK732BH103K	$\pm 10\%$ , 50V		1	
C 206	CER CAP	0.01 $\mu$ F			
C 207	CK732BH103K	$\pm 10\%$ , 50V		1	
C 208	CER CAP	0.01 $\mu$ F			
C 209	CK732BH103K	$\pm 10\%$ , 50V		1	
C 210	CER CAP	0.01 $\mu$ F			
C 211	CK732BH103K	$\pm 10\%$ , 50V		1	
C 212	CER CAP	0.01 $\mu$ F			
C 213	CK732BH103K	$\pm 10\%$ , 50V		1	
C 214	CER CAP	0.01 $\mu$ F			
C 215	CK732BH103K	$\pm 10\%$ , 50V		1	
C 216	CER CAP	0.01 $\mu$ F			
C 217	CK732BH103K	$\pm 10\%$ , 50V		1	
C 218	CER CAP	0.01 $\mu$ F			
C 219	CK732BH103K	$\pm 10\%$ , 50V		1	
C 220	CER CAP	0.01 $\mu$ F			
C 221	CK732BH103K	$\pm 10\%$ , 50V		1	
C 222	CER CAP	0.01 $\mu$ F			
C 223	CK732BH103K	$\pm 10\%$ , 50V		1	
C 224	CER CAP	0.01 $\mu$ F			
C 225	CK732BH103K	$\pm 10\%$ , 50V		1	
C 226	CER CAP	0.01 $\mu$ F			
C 227	CK732BH103K	$\pm 10\%$ , 50V		1	
C 228	CER CAP	0.01 $\mu$ F			
C 229	CK732BH103K	$\pm 10\%$ , 50V		1	
C 230	CER CAP	0.01 $\mu$ F			
C 231	CK732BH103K	$\pm 10\%$ , 50V		1	
C 232	CER CAP	0.01 $\mu$ F			
C 233	CK732BH103K	$\pm 10\%$ , 50V		1	
C 234	CER CAP	0.01 $\mu$ F			
C 235	CK732BH103K	$\pm 10\%$ , 50V		1	
C 236	CER CAP	0.01 $\mu$ F			
C 237	CK732BH103K	$\pm 10\%$ , 50V		1	
C 238	CER CAP	0.01 $\mu$ F			
C 239	CK732BH103K	$\pm 10\%$ , 50V		1	
C 240	CER CAP	0.01 $\mu$ F			
C 241	CK732BH103K	$\pm 10\%$ , 50V		1	
C 242	CER CAP	0.01 $\mu$ F			
C 243	CK732BH103K	$\pm 10\%$ , 50V		1	
C 244	CER CAP	0.01 $\mu$ F			
C 245	CK732BH103K	$\pm 10\%$ , 50V		1	
C 246	CER CAP	0.01 $\mu$ F			
C 247	CK732BH103K	$\pm 10\%$ , 50V		1	
C 248	CER CAP	0.01 $\mu$ F			
C 249	CK732BH103K	$\pm 10\%$ , 50V		1	
C 250	CER CAP	0.01 $\mu$ F			
C 251	CK732BH103K	$\pm 10\%$ , 50V		1	
C 252	CER CAP	0.01 $\mu$ F			
C 253	CK732BH103K	$\pm 10\%$ , 50V		1	
C 254	CER CAP	0.01 $\mu$ F			
C 255	CK732BH103K	$\pm 10\%$ , 50V		1	
C 256	CER CAP	0.01 $\mu$ F			
C 257	CK732BH103K	$\pm 10\%$ , 50V		1	
C 258	CER CAP	0.01 $\mu$ F			
C 259	CK732BH103K	$\pm 10\%$ , 50V		1	
C 260	CER CAP	0.01 $\mu$ F			
C 261	CK732BH103K	$\pm 10\%$ , 50V		1	
C 262	CER CAP	0.01 $\mu$ F			
C 263	CK732BH103K	$\pm 10\%$ , 50V		1	
C 264	CER CAP	0.01 $\mu$ F			
C 265	CK732BH103K	$\pm 10\%$ , 50V		1	
C 266	CER CAP	0.01 $\mu$ F			
C 267	CK732BH103K	$\pm 10\%$ , 50V		1	
C 268	CER CAP	0.01 $\mu$ F			
C 269	CK732BH103K	$\pm 10\%$ , 50V		1	
C 270	CER CAP	0.01 $\mu$ F			
C 271	CK732BH103K	$\pm 10\%$ , 50V		1	
C 272	CER CAP	0.01 $\mu$ F			
C 273	CK732BH103K	$\pm 10\%$ , 50V		1	
C 274	CER CAP	0.01 $\mu$ F			
C 275	CK732BH103K	$\pm 10\%$ , 50V		1	
C 276	CER CAP	0.01 $\mu$ F			
C 277	CK732BH103K	$\pm 10\%$ , 50V		1	
C 278	CER CAP	0.01 $\mu$ F			
C 279	CK732BH103K	$\pm 10\%$ , 50V		1	
C 280	CER CAP	0.01 $\mu$ F			
C 281	CK732BH103K	$\pm 10\%$ , 50V		1	
C 282	CER CAP	0.01 $\mu$ F			
C 283	CK732BH103K	$\pm 10\%$ , 50V		1	
C 284	CER CAP	0.01 $\mu$ F			
C 285	CK732BH103K	$\pm 10\%$ , 50V		1	
C 286	CER CAP	0.01 $\mu$ F			
C 287	CK732BH103K	$\pm 10\%$ , 50V		1	
C 288	CER CAP	0.01 $\mu$ F			
C 289	CK732BH103K	$\pm 10\%$ , 50V		1	
C 290	CER CAP	0.01 $\mu$ F			
C 291	CK732BH103K	$\pm 10\%$ , 50V		1	
C 292	CER CAP	0.01 $\mu$ F			
C 293	CK732BH103K	$\pm 10\%$ , 50V		1	
C 294	CER CAP	0.01 $\mu$ F			
C 295	CK732BH103K	$\pm 10\%$ , 50V		1	
C 296	CER CAP	0.01 $\mu$ F			
C 297	CK732BH103K	$\pm 10\%$ , 50V			

Parts List of: A2-A7 OUTPUT

Ref. No.	Part Code	Description	Rating	Qty	Note
C 93		CER CAP	3p F, 50V		
	CC732CJ1H030C		- 0.25 p F	1	
C 94		CER CAP	5p F, 50V		
	CC732CH1H050D		- 0.5 p F	1	
C 95		CER CAP	3p F, 50V		
	CC732CJ1H030C		- 0.25 p F	1	
C 96		CER CAP	2p F, 50V		
	CC732CK1H020C		- 0.25 p F	1	
C 97		CER CAP	0.01 μ F		
	CK732B1H103K		- 10%, 50V	1	
C 98		CER CAP	100 p F		
	CC732CH1H101J		- 5%, 50V	1	
C 99		CER CAP	0.01 μ F		
	CK732B1H103K		- 10%, 50V	1	
C 100		CER CAP	0.01 μ F		
	CK732B1H103K		- 10%, 50V	1	
C 101		CER CAP	1000 p F		
	CK732B1H102K		- 10%, 50V	1	
C 102		NOT ASSIGNED			
C 103		NOT ASSIGNED			
C 104		NOT ASSIGNED			
C 105		NOT ASSIGNED			
C 106		NOT ASSIGNED			
C 107		NOT ASSIGNED			
C 108		NOT ASSIGNED			
C 109		NOT ASSIGNED			
C 110		NOT ASSIGNED			
C 111		NOT ASSIGNED			
C 112		NOT ASSIGNED			
C 113		NOT ASSIGNED			
C 114		NOT ASSIGNED			
C 115		NOT ASSIGNED			

• Selected at factory

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ANRITSU CORP.

Parts List of: A2-A7 OUTPUT

Ref. No.	Part Code	Description	Rating	Qty	Note
C 116		NOT ASSIGNED			
C 117		NOT ASSIGNED			
C 118		NOT ASSIGNED			
C 119		NOT ASSIGNED			
C 120		NOT ASSIGNED			
C 121		NOT ASSIGNED			
C 122		NOT ASSIGNED			
C 123		NOT ASSIGNED			
C 124		NOT ASSIGNED			
C 125		NOT ASSIGNED			
C 126		NOT ASSIGNED			
C 127		NOT ASSIGNED			
C 128		NOT ASSIGNED			
C 129		NOT ASSIGNED			
C 130		NOT ASSIGNED			
C 131		CER CAP	100 p F		
	CC732CH1H101J		- 5%, 50V	1	
C 132		CER CAP	0.01 μ F		
	CK732B1H103K		- 10%, 50V	1	
C 133		CER CAP	100 p F		
	CC732CH1H101J		- 5%, 50V	1	
C 134		CER CAP	2p F, 50V		
	CC732CK1H020C		- 0.25 p F	1	
C 135		CER CAP	0.5 p F, 50V		
	CC732CK1H0R5C		- 0.25 p F	1	
C 136		CER CAP	2p F, 50V		
	CC732CK1H020C		- 0.25 p F	1	
C 137		CER CAP	100 p F		
	CC732CH1H101J		- 5%, 50V	1	
C 138		CER CAP	0.01 μ F		
	CK732B1H103K		- 10%, 50V	1	

• Selected at factory

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ANRITSU CORP.

Parts List of: A2-A7 OUTPUT

Ref. No.	Part Code	Description	Rating	Qty	Note
C 139		CER CAP	100 p F		
	CC732CH1H101J		- 5%, 50V	1	
C 140		CER CAP	0.01 μ F		
	CK732B1H103K		- 10%, 50V	1	
C 141		TA ELECTLT CAP	4.7 μ F		
	CC732E1C475M		- 20%, 16V	1	
C 142		CER CAP	0.01 μ F		
	CK732B1H103K		- 10%, 50V	1	
C 143		CER CAP	1p F, 50V		
	CC732CK1H010C		- 0.25 p F	1	
C 144		CER CAP	3p F, 50V		
	CC732CJ1H030C		- 0.25 p F	1	
C 145		CER CAP	3p F, 50V		
	CC732CJ1H030C		- 0.25 p F	1	
C 146		CER CAP	0.01 μ F		
	CK732B1H103K		- 10%, 50V	1	
C 147		NOT ASSIGNED			
C 148		NOT ASSIGNED			
C 149		NOT ASSIGNED			
C 150		NOT ASSIGNED			
C 151		CER CAP	0.01 μ F		
	CK732B1H103K		- 10%, 50V	1	
C 152		CER CAP	0.01 μ F		
	CK732B1H103K		- 10%, 50V	1	
C 153		CHIP, CER CAP	1.5 p F, 50V		
	GRM40CK1R5B50			1	
C 154		CHIP, CER CAP	1p F, 50V		
	GRM40CK010B50			1	
C 155		CHIP, CER CAP	1.5 p F, 50V		
	GRM40CK1R5B50			1	
C 156		CER CAP	0.01 μ F		
	CK732B1H103K		- 10%, 50V	1	
C 157		CHIP, CER CAP	1.5 p F, 50V		
	GRM40CK1R5B50			1	
C 158		CHIP, CER CAP	2p F, 50V		
	GRM40CK020B50			1	
C 159		CER CAP	3p F, 50V		
	CC732CJ1H030C		- 0.25 p F	1	
C 160		CHIP, CER CAP	2p F, 50V		
	GRM40CK020B50			1	
C 161		CER CAP	3p F, 50V		
	CC732CJ1H030C		- 0.25 p F	1	

• Selected at factory

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ANRITSU CORP.

Parts List of: A2-A7 OUTPUT

Ref. No.	Part Code	Description	Rating	Qty	Note
C 162		CHIP, CER CAP	2p F, 50V		
	GRM40CK020B50			1	
C 163		CER CAP	3p F, 50V		
	CC732CJ1H030C		- 0.25 p F	1	
C 164		CHIP, CER CAP	2p F, 50V		
	GRM40CK020B50			1	
C 165		CHIP, CER CAP	2p F, 50V		
	GRM40CK020B50			1	
C 166		CHIP, CER CAP	1.5 p F, 50V		
	GRM40CK1R5B50			1	
C 167		CER CAP	0.01 μ F		
	CK732B1H103K		- 10%, 50V	1	
C 168		CHIP, CER CAP	1p F, 50V		
	GRM40CK010B50			1	
C 169		CHIP, CER CAP	0.5 p F, 50V		
	GRM40CK0R5B50			1	
C 170		CHIP, CER CAP	1.5 p F, 50V		
	GRM40CK1R5B50			1	
C 171		CHIP, CER CAP	2p F, 50V		
	GRM40CK020B50			1	
C 172		CHIP, CER CAP	1.5 p F, 50V		
	GRM40CK1R5B50			1	
C 173		CHIP, CER CAP	2p F, 50V		
	GRM40CK020B50			1	
C 174		CHIP, CER CAP	1.5 p F, 50V		
	GRM40CK1R5B50			1	
C 175		CHIP, CER CAP	2p F, 50V		
	GRM40CK020B50			1	
C 176		CHIP, CER CAP	0.5 p F, 50V		
	GRM40CK0R5B50			1	
C 177		CHIP, CER CAP	1p F, 50V		
	GRM40CK010B50			1	
C 178		CER CAP	0.01 μ F		
	CK732B1H103K		- 10%, 50V	1	
C 179		CER CAP	0.01 μ F		
	CK732B1H103K		- 10%, 50V	1	
C 180		CHIP, CER CAP	1p F, 50V		
	GRM40CK010B50			1	
C 181		CHIP, CER CAP	0.75 p F, 50V		
	GRM40CKR75B50			1	
C 182		CHIP, CER CAP	0.75 p F, 50V		
	GRM40CKR75B50			1	
C 183		CER CAP	0.01 μ F		
	CK732B1H103K		- 10%, 50V	1	
C 184		CHIP, CER CAP	0.75 p F, 50V		
	GRM40CKR75B50			1	

• Selected at factory

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ANRITSU CORP.

Parts List of: A2-A7 OUTPUT

Ref. No.	Part Code	Description	Rating	Qty	Note
C 185		CHIP.CER CAP	0.5 p F.50V	1	
C 186		GRM40CK0R5B50	1 p F.50V	1	
C 187		CHIP.CER CAP	1 p F.50V	1	
C 188		GRM40CK010B50	1 p F.50V	1	
C 189		CHIP.CER CAP	1 p F.50V	1	
C 190		GRM40CK010B50	1 p F.50V	1	
C 191		CHIP.CER CAP	1 p F.50V	1	
C 192		GRM40CK010B50	0.75 p F.50V	1	
C 193		CHIP.CER CAP	0.5 p F.50V	1	
C 194		GRM40CK0R5B50	0.01 μ F	1	
C 195		CK732B1H103K	± 10%,50V	1	
C 196		NOT ASSIGNED			
C 197		CHIP.CER CAP	0.5 p F.50V	1	
C 198		GRM40CK0R5B50	1 p F.50V	1	
C 199		CHIP.CER CAP	0.75 p F.50V	1	
C 200		GRM40CK010B50	1 p F.50V	1	
C 201		CHIP.CER CAP	0.75 p F.50V	1	
C 202		GRM40CK010B50	0.75 p F.50V	1	
C 203		CHIP.CER CAP	0.5 p F.50V	1	
C 204		GRM40CK0R5B50	3 p F.50V	1	
C 205		CER CAP	- 0.25 p F	1	
C 206		CC732C11H030C	100 p F	1	
C 207		CC732CH1H101J	± 5%,50V	1	
C 208		NOT ASSIGNED			

• Selected at factory

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ANRITSU CORP.

Parts List of: A2-A7 OUTPUT

Ref. No.	Part Code	Description	Rating	Qty	Note
C 208		NOT ASSIGNED			
C 209		NOT ASSIGNED			
C 210		NOT ASSIGNED			
C 211		NOT ASSIGNED			
C 212		NOT ASSIGNED			
C 213		NOT ASSIGNED			
C 214		NOT ASSIGNED			
C 215		NOT ASSIGNED			
C 216		NOT ASSIGNED			
C 217		NOT ASSIGNED			
C 218		NOT ASSIGNED			
C 219		NOT ASSIGNED			
C 220		NOT ASSIGNED			
C 221		NOT ASSIGNED			
C 222		NOT ASSIGNED			
C 223		NOT ASSIGNED			
C 224		NOT ASSIGNED			
C 225		NOT ASSIGNED			
C 226		NOT ASSIGNED			
C 227		NOT ASSIGNED			
C 228		NOT ASSIGNED			
C 229		NOT ASSIGNED			
C 230		NOT ASSIGNED			

• Selected at factory

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ANRITSU CORP.

Parts List of: A2-A7 OUTPUT

Ref. No.	Part Code	Description	Rating	Qty	Note
C 231		NOT ASSIGNED			
C 232		NOT ASSIGNED			
C 233		NOT ASSIGNED			
C 234		NOT ASSIGNED			
C 235		NOT ASSIGNED			
C 236		NOT ASSIGNED			
C 237		NOT ASSIGNED			
C 238		NOT ASSIGNED			
C 239		NOT ASSIGNED			
C 240		NOT ASSIGNED			
C 241		NOT ASSIGNED			
C 242		NOT ASSIGNED			
C 243		NOT ASSIGNED			
C 244		NOT ASSIGNED			
C 245		NOT ASSIGNED			
C 246		NOT ASSIGNED			
C 247		NOT ASSIGNED			
C 248		NOT ASSIGNED			
C 249		NOT ASSIGNED			
C 250		NOT ASSIGNED			
C 251		NOT ASSIGNED			
C 252		NOT ASSIGNED			
C 253		NOT ASSIGNED			

• Selected at factory

DRAWING № 34W99303 11/48

ANRITSU CORP.

Parts List of: A2-A7 OUTPUT

Ref. No.	Part Code	Description	Rating	Qty	Note
C 254		NOT ASSIGNED			
C 255		NOT ASSIGNED			
C 256		NOT ASSIGNED			
C 257		NOT ASSIGNED			
C 258		NOT ASSIGNED			
C 259		NOT ASSIGNED			
C 260		NOT ASSIGNED			
C 261		NOT ASSIGNED			
C 262		NOT ASSIGNED			
C 263		NOT ASSIGNED			
C 264		NOT ASSIGNED			
C 265		NOT ASSIGNED			
C 266		NOT ASSIGNED			
C 267		NOT ASSIGNED			
C 268		NOT ASSIGNED			
C 269		NOT ASSIGNED			
C 270		NOT ASSIGNED			
C 271		NOT ASSIGNED			
C 272		NOT ASSIGNED			
C 273		NOT ASSIGNED			
C 274		NOT ASSIGNED			
C 275		NOT ASSIGNED			
C 276		NOT ASSIGNED			

• Selected at factory

DRAWING № 34W99303 12/48

ANRITSU CORP.

Parts List of: A2-A7 OUTPUT

Ref. No.	Part Code	Description	Rating	Qty	Note
C 277		NOT ASSIGNED			
C 278		NOT ASSIGNED			
C 279		NOT ASSIGNED			
C 280		NOT ASSIGNED			
C 281		NOT ASSIGNED			
C 282		NOT ASSIGNED			
C 283		NOT ASSIGNED			
C 284		NOT ASSIGNED			
C 285		NOT ASSIGNED			
C 286		NOT ASSIGNED			
C 287		NOT ASSIGNED			
C 288		NOT ASSIGNED			
C 289		NOT ASSIGNED			
C 290		NOT ASSIGNED			
C 291		NOT ASSIGNED			
C 292		NOT ASSIGNED			
C 293		NOT ASSIGNED			
C 294		NOT ASSIGNED			
C 295		NOT ASSIGNED			
C 296		NOT ASSIGNED			
C 297		NOT ASSIGNED			
C 298		NOT ASSIGNED			
C 299		NOT ASSIGNED			
Dep.		Selected at factory			
		DRAWING No. 34W99303 13/48			
		ANRITSU CORP.			

Parts List of: A2-A7 OUTPUT

Ref. No.	Part Code	Description	Rating	Qty	Note
C 300		NOT ASSIGNED			
C 301		CER CAP	0.01 $\mu$ F		
C 302		CK732B1H103K	$\pm 10\%$ , 50V	1	
C 303		AL ELECTLT CAP	100 $\mu$ F		
C 304		CE04C1E101A	$\pm 20\%$ , 25V	1	
C 305		CER CAP	0.01 $\mu$ F		
C 306		CK732B1H103K	$\pm 10\%$ , 50V	1	
C 307		AL ELECTLT CAP	220 $\mu$ F		
C 308		CE04C1A221A	$\pm 20\%$ , 10V	1	
C 309		NOT ASSIGNED			
C 310		NOT ASSIGNED			
C 311		NOT ASSIGNED			
C 312		NOT ASSIGNED			
C 313		NOT ASSIGNED			
C 314		NOT ASSIGNED			
C 315		NOT ASSIGNED			
C 316		NOT ASSIGNED			
C 317		NOT ASSIGNED			
C 318		NOT ASSIGNED			
C 319		NOT ASSIGNED			
C 320		NOT ASSIGNED			
C 321		NOT ASSIGNED			
C 322		CER CAP	1000 p F		
C 323		CK732B1H102K	$\pm 10\%$ , 50V	1	
Dep.		Selected at factory			
		DRAWING No. 34W99303 14/48			
		ANRITSU CORP.			

Parts List of: A2-A7 OUTPUT

Ref. No.	Part Code	Description	Rating	Qty	Note
C 323		CER CAP	0.01 $\mu$ F		
C 324		CK732B1H103K	$\pm 10\%$ , 50V	1	
C 325		CER CAP	1000 p F		
C 326		CK732B1H102K	$\pm 10\%$ , 50V	1	
C 327		CER CAP	0.01 $\mu$ F		
C 328		CK732B1H103K	$\pm 10\%$ , 50V	1	
C 329		CER CAP	1000 p F		
C 330		CK732B1H102K	$\pm 10\%$ , 50V	1	
C 331		NOT ASSIGNED			
C 332		CER CAP	0.01 $\mu$ F		
C 333		CK732B1H103K	$\pm 10\%$ , 50V	1	
C 334		AL ELECTLT CAP	330 $\mu$ F		
C 335		CE04C1E331A	$\pm 20\%$ , 25V	1	
C 336		AL ELECTLT CAP	330 $\mu$ F		
C 337		CE04C1A471A	$\pm 20\%$ , 10V	1	
C 338		CER CAP	100 p F		
C 339		CC732CH1H101J	$\pm 5\%$ , 50V	1	
C 340		CER CAP	100 p F		
C 341		CC732CH1H101J	$\pm 5\%$ , 50V	1	
C 342		CER CAP	100 p F		
C 343		CC732CH1H101J	$\pm 5\%$ , 50V	1	
C 344		CER CAP	100 p F		
C 345		CC732CH1H101J	$\pm 5\%$ , 50V	1	
C 346		NOT ASSIGNED			
Dep.		Selected at factory			
		DRAWING No. 34W99303 15/48			
		ANRITSU CORP.			

Parts List of: A2-A7 OUTPUT

Ref. No.	Part Code	Description	Rating	Qty	Note
C 346		NOT ASSIGNED			
C 347		NOT ASSIGNED			
C 348		NOT ASSIGNED			
C 349		NOT ASSIGNED			
C 350		NOT ASSIGNED			
C 351		CER CAP	100 p F		
C 352		CC732CH1H101J	$\pm 5\%$ , 50V	1	
C 353		CER CAP	100 p F		
C 354		CC732CH1H101J	$\pm 5\%$ , 50V	1	
C 355		CER CAP	0.1 $\mu$ F		
C 356		CK733B1H104K	$\pm 5\%$ , 50V	1	
C 357		CER CAP	0.1 $\mu$ F		
C 358		CK733B1H104K	$\pm 5\%$ , 50V	1	
C 359		CER CAP	0.1 $\mu$ F		
C 360		CK733B1H104K	$\pm 5\%$ , 50V	1	
C 361		CER CAP	0.1 $\mu$ F		
C 362		CK733B1H104K	$\pm 5\%$ , 50V	1	
C 363		CER CAP	0.1 $\mu$ F		
C 364		CK733B1H104K	$\pm 5\%$ , 50V	1	
C 365		CER CAP	0.1 $\mu$ F		
C 366		CK733B1H104K	$\pm 5\%$ , 50V	1	
C 367		CER CAP	0.1 $\mu$ F		
C 368		CK733B1H104K	$\pm 5\%$ , 50V	1	
C 369		CER CAP	0.1 $\mu$ F		
C 370		CK733B1H104K	$\pm 5\%$ , 50V	1	
C 371		CER CAP	0.1 $\mu$ F		
C 372		CK733B1H104K	$\pm 5\%$ , 50V	1	
C 373		CER CAP	0.1 $\mu$ F		
C 374		CK733B1H104K	$\pm 5\%$ , 50V	1	
C 375		CER CAP	0.1 $\mu$ F		
C 376		CK733B1H104K	$\pm 5\%$ , 50V	1	
C 377		CER CAP	0.1 $\mu$ F		
C 378		CK733B1H104K	$\pm 5\%$ , 50V	1	
C 379		CER CAP	0.1 $\mu$ F		
C 380		CK733B1H104K	$\pm 5\%$ , 50V	1	
C 381		CER CAP	0.1 $\mu$ F		
C 382		CK733B1H104K	$\pm 5\%$ , 50V	1	
C 383		CER CAP	0.1 $\mu$ F		
C 384		CK733B1H104K	$\pm 5\%$ , 50V	1	
C 385		CER CAP	0.1 $\mu$ F		
C 386		CK733B1H104K	$\pm 5\%$ , 50V	1	
C 387		CER CAP	0.1 $\mu$ F		
C 388		CK733B1H104K	$\pm 5\%$ , 50V	1	
C 389		CER CAP	0.1 $\mu$ F		
C 390		CK733B1H104K	$\pm 5\%$ , 50V	1	
C 391		CER CAP	0.1 $\mu$ F		
C 392		CK733B1H104K	$\pm 5\%$ , 50V	1	
C 393		CER CAP	0.1 $\mu$ F		
C 394		CK733B1H104K	$\pm 5\%$ , 50V	1	
C 395		CER CAP	0.1 $\mu$ F		
C 396		CK733B1H104K	$\pm 5\%$ , 50V	1	
C 397		CER CAP	0.1 $\mu$ F		
C 398		CK733B1H104K	$\pm 5\%$ , 50V	1	
C 399		CER CAP	0.1 $\mu$ F		
C 400		CK733B1H104K	$\pm 5\%$ , 50V	1	
Dep.		Selected at factory			
		DRAWING No. 34W99303 16/48			
		ANRITSU CORP.			



Parts List of: A2-A7 OUTPUT

Ref. No.	Part Code	Description	Rating	Qty	Note
C 369	CER CAP	2p F, 50V		1	
C 370	CC732CK1H020C	- 0.25p F		1	
C 371	CER CAP	2p F, 50V		1	
C 372	CC732CK1H020C	- 0.25p F		1	
C 373	CER CAP	22p F		1	
C 374	CC732CH1H220J	- 5%, 50V		1	
C 375	CER CAP	0.1μ F		1	
C 376	CK733B1H104K	- 5%, 50V		1	
C 377	CER CAP	0.01μ F		1	
C 378	CK732B1H103K	- 10%, 50V		1	
C 379	CER CAP	1000p F		1	
C 380	CC732CH1H102J	- 5%, 50V		1	
C 381	CER CAP	100p F		1	
C 382	CC732CH1H101J	- 5%, 50V		1	
C 383	CER CAP	100p F		1	
C 384	CC732CH1H101J	- 5%, 50V		1	
C 385	CER CAP	5p F, 50V		1	
C 386	CC732CH1H050D	- 0.5p F		1	
C 387	CER CAP	0.1μ F		1	
C 388	CK733B1H104K	- 5%, 50V		1	
C 389	CER CAP	100p F		1	
C 390	CC732CH1H101J	- 5%, 50V		1	
C 391	CER CAP	0.1μ F		1	
C 392	CK733B1H104K	- 5%, 50V		1	
C 393	AL ELECTLT CAP	47μ F		1	
C 394	CE04C1E470A	- 20%, 25V		1	
C 395	CER CAP	0.1μ F		1	
C 396	CK733B1H104K	- 5%, 50V		1	
C 397	NOT ASSIGNED				
C 398	CER CAP	0.01μ F		1	
C 399	CK732B1H103K	- 10%, 50V		1	
C 400	CER CAP	2p F, 50V		1	
C 401	CC732CK1H020C	- 0.25p F		1	
C 402	CER CAP	2p F, 50V		1	
C 403	CC732CK1H020C	- 0.25p F		1	
J 1	CABLE	008261-0333-11852	3P	1	
J 2	CABLE	008261-0242-00870	2P	1	
L 1	INDUCTOR	NL322522-R47K	0.47μ H ± 10%	1	
L 2	PATTERN COIL		l = 10mm	1	
L 3	PATTERN COIL		l = 10mm	1	
L 4	PATTERN COIL		l = 10mm	1	
L 5	PATTERN COIL		l = 14mm	1	
L 6	PATTERN COIL		l = 14mm	1	
L 7	PATTERN COIL		l = 14mm	1	
L 8	INDUCTOR	34L74431J	10n H	1	
L 9	INDUCTOR	34L74431J	10n H	1	
L 10	INDUCTOR	34L74431J	10n H	1	

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ANRITSU CORP.

Parts List of: A2-A7 OUTPUT

Ref. No.	Part Code	Description	Rating	Qty	Note
C 392	CER CAP	0.1μ F		1	
C 393	CK733B1H104K	- 5%, 50V		1	
C 394	AL ELECTLT CAP	47μ F		1	
C 395	CE04C1E470A	- 20%, 25V		1	
C 396	CER CAP	0.1μ F		1	
C 397	CK733B1H104K	- 5%, 50V		1	
C 398	CER CAP	0.1μ F		1	
C 399	CK733B1H104K	- 5%, 50V		1	
C 400	NOT ASSIGNED				
C 401	CER CAP	0.01μ F		1	
C 402	CK732B1H103K	- 10%, 50V		1	
C 403	CER CAP	2p F, 50V		1	
C 404	CC732CK1H020C	- 0.25p F		1	
C 405	CER CAP	2p F, 50V		1	
C 406	CC732CK1H020C	- 0.25p F		1	
J 1	CABLE	008261-0333-11852	3P	1	
J 2	CABLE	008261-0242-00870	2P	1	
L 1	INDUCTOR	NL322522-R47K	0.47μ H ± 10%	1	
L 2	PATTERN COIL		l = 10mm	1	
L 3	PATTERN COIL		l = 10mm	1	
L 4	PATTERN COIL		l = 10mm	1	
L 5	PATTERN COIL		l = 14mm	1	
L 6	PATTERN COIL		l = 14mm	1	
L 7	PATTERN COIL		l = 14mm	1	
L 8	INDUCTOR	34L74431J	10n H	1	
L 9	INDUCTOR	34L74431J	10n H	1	
L 10	INDUCTOR	34L74431J	10n H	1	

• Selected at factory

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ANRITSU CORP.

Parts List of: A2-A7 OUTPUT

Ref. No.	Part Code	Description	Rating	Qty	Note
L 11	INDUCTOR	34L74430L	28n H	1	
L 12	INDUCTOR	34L74430L	28n H	1	
L 13	INDUCTOR	34L74430L	28n H	1	
L 14	INDUCTOR	34L74430L	28n H	1	
L 15	INDUCTOR	NL322522-R47K	0.47μ H ± 10%	1	
L 16	INDUCTOR	34L74431L	42n H	1	
L 17	INDUCTOR	34L74431L	42n H	1	
L 18	INDUCTOR	34L74431L	42n H	1	
L 19	INDUCTOR	NL322522-R47K	0.47μ H ± 10%	1	
L 20	INDUCTOR	34L74431M	60n H	1	
L 21	INDUCTOR	34L74431M	60n H	1	
L 22	INDUCTOR	34L74431M	60n H	1	
L 23	INDUCTOR	NL322522-R47K	0.47μ H ± 10%	1	
L 24	INDUCTOR	NL322522-R47K	0.47μ H ± 10%	1	
L 25	INDUCTOR	NL322522-R47K	0.47μ H ± 10%	1	
L 26	NOT ASSIGNED				
L 27	NOT ASSIGNED				
L 28	NOT ASSIGNED				
L 29	NOT ASSIGNED				
L 30	NOT ASSIGNED				
L 31	INDUCTOR	NL453232-1R0K	1.0μ H ± 10%	1	
L 32	INDUCTOR	NL322522-R47K	0.47μ H ± 10%	1	
L 33	PATTERN COIL		l = 14mm W = 0.35mm	1	

• Selected at factory

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ANRITSU CORP.

Parts List of: A2-A7 OUTPUT

Ref. No.	Part Code	Description	Rating	Qty	Note
L 34	PATTERN COIL		l = 14mm W = 0.35mm	1	
L 35	INDUCTOR	NL322522-R47K	0.47μ H ± 10%	1	
L 36	INDUCTOR	NL322522-R10K	0.1μ H	1	
L 37	INDUCTOR	NL322522-R10K	0.1μ H	1	
L 38	INDUCTOR	NL322522-R10K	0.1μ H	1	
L 39	INDUCTOR	NL453232-221K	220μ H ± 10%	1	
L 40	INDUCTOR	NL453232-471K	470μ H ± 10%	1	
L 41	INDUCTOR	NL322522-R10K	0.1μ H	1	
L 42	INDUCTOR	NL322522-R10K	0.1μ H	1	
L 43	INDUCTOR	NL453232-471K	470μ H ± 10%	1	
L 44	CHOKE COIL	342T61287		1	
L 45	INDUCTOR	NL322522-R47K	0.47μ H ± 10%	1	
L 46	INDUCTOR	NL322522-R47K	0.47μ H ± 10%	1	
L 47	PATTERN COIL		l = 14mm	1	
L 48	PATTERN COIL		l = 14mm	1	
L 49	INDUCTOR	NL322522-R47K	0.47μ H ± 10%	1	
L 50	INDUCTOR	NL322522-R68K	0.68μ H ± 10%	1	
L 51	NOT ASSIGNED				
L 52	NOT ASSIGNED				
L 53	NOT ASSIGNED				
L 54	NOT ASSIGNED				
L 55	NOT ASSIGNED				
L 56	NOT ASSIGNED				

• Selected at factory

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ANRITSU CORP.

Parts List of: A2-A7 OUTPUT

Ref. No.	Part Code	Description	Rating	Qty	Note
L 57		NOT ASSIGNED			
L 58		NOT ASSIGNED			
L 59		NOT ASSIGNED			
L 60		NOT ASSIGNED			
L 61		INDUCTOR NL322522-R47K	0.47 $\mu$ H $\pm$ 10%	1	
L 62			1 = 15m m		
L 63		PATTERN COIL	1 = 15m m	1	
L 64		PATTERN COIL	1 = 14m m	1	
L 65		PATTERN COIL NOT ASSIGNED			
L 66		NOT ASSIGNED			
L 67		NOT ASSIGNED			
L 68		NOT ASSIGNED			
L 69		NOT ASSIGNED			
L 70		PATTERN COIL	1 = 8m m	1	
L 71		PATTERN COIL	1 = 12m m	1	
L 72			1 = 7m m		
L 73		PATTERN COIL	1 = 7m m	1	
L 74		PATTERN COIL	1 = 12m m	1	
L 75		PATTERN COIL	1 = 9m m	1	
L 76		PATTERN COIL	1 = 9m m	1	
L 77			1 = 9m m		
L 78		PATTERN COIL	1 = 9m m	1	
L 79		PATTERN COIL	1 = 8m m	1	
L 80		PATTERN COIL			

\* Selected at factory

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ANRITSU CORP.

Parts List of: A2-A7 OUTPUT

Ref. No.	Part Code	Description	Rating	Qty	Note
L 80		PATTERN COIL	1 = 8m m	1	
L 81		PATTERN COIL	1 = 8m m	1	
L 82		PATTERN COIL	1 = 8m m	1	
L 83		PATTERN COIL	1 = 5m m	1	
L 84		PATTERN COIL	1 = 5m m	1	
L 85			1 = 8m m		
L 86		PATTERN COIL	1 = 8m m	1	
L 87		PATTERN COIL	1 = 8m m	1	
L 88		PATTERN COIL	1 = 8m m	1	
L 89		PATTERN COIL	1 = 8m m	1	
L 90			1 = 8m m		
L 91		PATTERN COIL	1 = 8m m	1	
L 92		PATTERN COIL	1 = 8m m	1	
L 93		PATTERN COIL	1 = 8m m	1	
L 94		PATTERN COIL	1 = 15m m	1	
L 95			1 = 15m m		
L 96		PATTERN COIL	1 = 15m m	1	
L 97		PATTERN COIL	1 = 15m m	1	
L 98		PATTERN COIL NOT ASSIGNED			
L 99		NOT ASSIGNED			
L 100		NOT ASSIGNED			
L 101		NOT ASSIGNED			
L 102		NOT ASSIGNED			

\* Selected at factory

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ANRITSU CORP.

Parts List of: A2-A7 OUTPUT

Ref. No.	Part Code	Description	Rating	Qty	Note
L 103		NOT ASSIGNED			
L 104		NOT ASSIGNED			
L 105		NOT ASSIGNED			
L 106		NOT ASSIGNED			
L 107		NOT ASSIGNED			
L 108		NOT ASSIGNED			
L 109		NOT ASSIGNED			
L 110		NOT ASSIGNED			
L 111		NOT ASSIGNED			
L 112		NOT ASSIGNED			
L 113		NOT ASSIGNED			
L 114		NOT ASSIGNED			
L 115		NOT ASSIGNED			
L 116		NOT ASSIGNED			
L 117		NOT ASSIGNED			
L 118		NOT ASSIGNED			
L 119		NOT ASSIGNED			
L 120		NOT ASSIGNED			
L 121		NOT ASSIGNED			
L 122		INDUCTOR SP0408-R15K	0.15 $\mu$ H $\pm$ 10%	1	
L 123		INDUCTOR NL322522-R15K	0.15 $\mu$ H $\pm$ 10%	1	
L 124		INDUCTOR NL322522-R15K	0.15 $\mu$ H $\pm$ 10%	1	
L 125		NOT ASSIGNED			

\* Selected at factory

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ANRITSU CORP.

Parts List of: A2-A7 OUTPUT

Ref. No.	Part Code	Description	Rating	Qty	Note
L 126		INDUCTOR TSL0707-101KR66	100 $\mu$ H	1	
L 127		INDUCTOR NL453232-101K	100 $\mu$ H $\pm$ 10%	1	
L 128		INDUCTOR TSL0707-101KR66	100 $\mu$ H	1	
L 129		NOT ASSIGNED			
L 130		NOT ASSIGNED			
L 131		CHOKER COIL 342T61287		1	
L 132		INDUCTOR NL453232-102K	1.0m H $\pm$ 10%	1	
L 133		PATTERN COIL		1	
L 134		CHOKER COIL 342T61287		1	
L 135		INDUCTOR NL453232-102K	1.0m H $\pm$ 10%	1	
L 136		CHOKER COIL 342T61287		1	
L 137		CHOKER COIL 342T61287		1	
L 138		INDUCTOR TSL0707-471KR30	470 $\mu$ H	1	
L 139		CHOKER COIL 342T61287		1	
L 140		CHOKER COIL 342T61287		1	
L 141		INDUCTOR TSL0707-471KR30	470 $\mu$ H	1	
L 142		PATTERN COIL		1	
Q 1		DIODE 1SV128A		1	
Q 2		DIODE 1SV128A		1	
Q 3		DIODE 1SV128A		1	
Q 4		DIODE 1SV128A		1	
Q 5		DIODE 1SV128A		1	

\* Selected at factory

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ANRITSU CORP.

Parts List of: A2-A7 OUTPUT

Ref. No.	Part Code	Description	Rating	Qty	Note
Q 6		DIODE			
Q 7		1SV128A		1	
Q 8		DIODE			
Q 9		1SV128A		1	
Q 10		IC			
Q 11		μ PB581C		1	
Q 12		IC			
Q 13		μ PC1677C		1	
Q 14		DIODE			
Q 15		1SV128A		1	
Q 16		DIODE			
Q 17		1SV128A		1	
Q 18		DIODE			
Q 19		1SV128A		1	
Q 20		DIODE			
Q 21		1SV128A		1	
Q 22		DIODE			
Q 23		1SV128A		1	
Q 24		DIODE			
Q 25		1SV128A		1	
Q 26		DIODE			
Q 27		1SV128A		1	
Q 28		DIODE			
Q 29		1SV128A		1	
Q 30		DIODE			
Q 31		1SV128A		1	
Q 32		DIODE			
Q 33		1SV128A		1	
Q 34		DIODE			
Q 35		1SV128A		1	
Q 36		DIODE			
Q 37		1SV128A		1	
Q 38		DIODE			
Q 39		1SV128A		1	
Q 40		DIODE			
Q 41		1SV128A		1	
Q 42		DIODE			
Q 43		1SV128A		1	
Q 44		DIODE			
Q 45		1SV128A		1	
Q 46		DIODE			
Q 47		1SV128A		1	
Q 48		DIODE			
Q 49		1SV128A		1	
Q 50		DIODE			
Q 51		1SV128A		1	
Q 52		DIODE			
Q 53		1SV128A		1	
Q 54		DIODE			
Q 55		1SV128A		1	
Q 56		IC			
Q 57		μ PC1677C		1	
Q 58		IC			
Q 59		MW130		1	
Q 60		DIODE			
Q 61		1SV128A		1	
Q 62		DIODE			
Q 63		1SV128A		1	
Q 64		DIODE			
Q 65		1SV128A		1	
Q 66		DIODE			
Q 67		1SV128A		1	
Q 68		DIODE			
Q 69		1SV128A		1	
Q 70		DIODE			
Q 71		1SV128A		1	
Q 72		DIODE			
Q 73		1SV128A		1	
Q 74		DIODE			
Q 75		1SV128A		1	
Q 76		DIODE			
Q 77		1SV128A		1	
Q 78		DIODE			
Q 79		1SV128A		1	
Q 80		DIODE			
Q 81		1SV128A		1	
Q 82		DIODE			
Q 83		1SV128A		1	
Q 84		DIODE			
Q 85		1SV128A		1	
Q 86		DIODE			
Q 87		1SV128A		1	
Q 88		DIODE			
Q 89		1SV128A		1	
Q 90		DIODE			
Q 91		1SV128A		1	
Q 92		DIODE			
Q 93		1SV128A		1	
Q 94		DIODE			
Q 95		1SV128A		1	
Q 96		DIODE			
Q 97		1SV128A		1	
Q 98		DIODE			
Q 99		1SV128A		1	
Q 100		DIODE			
Q 101		1SV128A		1	
Q 102		DIODE			
Q 103		1SV128A		1	
Q 104		DIODE			
Q 105		1SV128A		1	
Q 106		DIODE			
Q 107		1SV128A		1	
Q 108		DIODE			
Q 109		1SV128A		1	
Q 110		DIODE			
Q 111		1SV128A		1	
Q 112		DIODE			
Q 113		1SV128A		1	
Q 114		DIODE			
Q 115		1SV128A		1	
Q 116		DIODE			
Q 117		1SV128A		1	
Q 118		DIODE			
Q 119		1SV128A		1	
Q 120		DIODE			
Q 121		1SV128A		1	
Q 122		DIODE			
Q 123		1SV128A		1	
Q 124		DIODE			
Q 125		1SV128A		1	
Q 126		DIODE			
Q 127		1SV128A		1	
Q 128		DIODE			
Q 129		1SV128A		1	
Q 130		DIODE			
Q 131		1SV128A		1	
Q 132		DIODE			
Q 133		1SV128A		1	
Q 134		DIODE			
Q 135		1SV128A		1	
Q 136		DIODE			
Q 137		1SV128A		1	
Q 138		DIODE			
Q 139		1SV128A		1	
Q 140		DIODE			
Q 141		1SV128A		1	
Q 142		DIODE			
Q 143		1SV128A		1	
Q 144		DIODE			
Q 145		1SV128A		1	
Q 146		DIODE			
Q 147		1SV128A		1	
Q 148		DIODE			
Q 149		1SV128A		1	
Q 150		DIODE			
Q 151		1SV128A		1	
Q 152		DIODE			
Q 153		1SV128A		1	
Q 154		DIODE			
Q 155		1SV128A		1	
Q 156		DIODE			
Q 157		1SV128A		1	
Q 158		DIODE			
Q 159		1SV128A		1	
Q 160		DIODE			
Q 161		1SV128A		1	
Q 162		DIODE			
Q 163		1SV128A		1	
Q 164		DIODE			
Q 165		1SV128A		1	
Q 166		DIODE			
Q 167		1SV128A		1	
Q 168		DIODE			
Q 169		1SV128A		1	
Q 170		DIODE			
Q 171		1SV128A		1	
Q 172		DIODE			
Q 173		1SV128A		1	
Q 174		DIODE			
Q 175		1SV128A		1	
Q 176		DIODE			
Q 177		1SV128A		1	
Q 178		DIODE			
Q 179		1SV128A		1	
Q 180		DIODE			
Q 181		1SV128A		1	
Q 182		DIODE			
Q 183		1SV128A		1	
Q 184		DIODE			
Q 185		1SV128A		1	
Q 186		DIODE			
Q 187		1SV128A		1	
Q 188		DIODE			
Q 189		1SV128A		1	
Q 190		DIODE			
Q 191		1SV128A		1	
Q 192		DIODE			
Q 193		1SV128A		1	
Q 194		DIODE			
Q 195		1SV128A		1	
Q 196		DIODE			
Q 197		1SV128A		1	
Q 198		DIODE			
Q 199		1SV128A		1	
Q 200		DIODE			
Q 201		1SV128A		1	
Q 202		DIODE			
Q 203		1SV128A		1	
Q 204		DIODE			
Q 205		1SV128A		1	
Q 206		DIODE			
Q 207		1SV128A		1	
Q 208		DIODE			
Q 209		1SV128A		1	
Q 210		DIODE			
Q 211		1SV128A		1	
Q 212		DIODE			
Q 213		1SV128A		1	
Q 214		DIODE			
Q 215		1SV128A		1	
Q 216		DIODE			
Q 217		1SV128A		1	
Q 218		DIODE			
Q 219		1SV128A		1	
Q 220		DIODE			
Q 221		1SV128A		1	
Q 222		DIODE			
Q 223		1SV128A		1	
Q 224		DIODE			
Q 225		1SV128A		1	
Q 226		DIODE			
Q 227		1SV128A		1	
Q 228		DIODE			
Q 229		1SV128A		1	
Q 230		DIODE			
Q 231		1SV128A		1	
Q 232		DIODE			
Q 233		1SV128A		1	
Q 234		DIODE			
Q 235		1SV128A		1	
Q 236		DIODE			
Q 237		1SV128A		1	
Q 238		DIODE			
Q 239		1SV128A		1	
Q 240		DIODE			
Q 241		1SV128A		1	
Q 242		DIODE			
Q 243		1SV128A		1	
Q 244		DIODE			
Q 245		1SV128A		1	
Q 246		DIODE			
Q 247		1SV128A		1	
Q 248		DIODE			
Q 249		1SV128A		1	
Q 250		DIODE			
Q 251		1SV128A		1	
Q 252		DIODE			
Q 253		1SV128A		1	
Q 254		DIODE			
Q 255		1SV128A		1	
Q 256		DIODE			
Q 257		1SV128A		1	
Q 258		DIODE			
Q 259		1SV128A		1	
Q 260		DIODE			
Q 261		1SV128A		1	
Q 262		DIODE			
Q 263		1SV128A		1	
Q 264		DIODE			
Q 265		1SV128A		1	
Q 266		DIODE			
Q 267		1SV128A		1	
Q 268		DIODE			
Q 269		1SV128A		1	
Q 270		DIODE			
Q 271		1SV128A		1	
Q 272		DIODE			
Q 273		1SV128A		1	
Q 274		DIODE			
Q 275		1SV128A		1	
Q 276		DIODE			
Q 277		1SV128A		1	
Q 278		DIODE			
Q 279		1SV128A		1	
Q 280		DIODE			
Q 281		1SV128A		1	
Q 282		DIODE			
Q 283		1SV128A		1	
Q 284		DIODE			
Q 285		1SV128A		1	
Q 286		DIODE			
Q 287		1SV128A		1	
Q 288		DIODE			
Q 289		1SV128A		1	
Q 290		DIODE			
Q 291		1SV128A		1	
Q 292		DIODE			
Q 293		1SV128A		1	
Q 294		DIODE			
Q 295		1SV128A		1	
Q 296		DIODE			
Q 297		1SV128A		1	
Q 298		DIODE			
Q 299		1SV128A		1	
Q 300		DIODE			
Q 301		1SV128A		1	
Q 302		DIODE			
Q 303		1SV128A		1	
Q 304		DIODE			
Q 305		1SV128A		1	
Q 306		DIODE			

## Parts List of: A2-A7 OUTPUT

Ref. No.	Part Code	Description	Rating	Qty	Note
Q 98		DIODE 1SV128A		1	
Q 99		DIODE 1SV128A		1	
Q 100		DIODE 1SV128A		1	
Q 101		DIODE 1SV128A		1	
Q 102		DIODE 1SV128A		1	
Q 103		DIODE 1SV128A		1	
Q 104		DIODE 1SV128A		1	
Q 105		DIODE 1SV128A		1	
Q 106		DIODE 1SV128A		1	
Q 107		DIODE 1SV128A		1	
Q 108		DIODE 1SV128A		1	
Q 109		DIODE 1SV128A		1	
Q 110		DIODE 1SV128A		1	
Q 111		NOT ASSIGNED			
Q 112		NOT ASSIGNED			
Q 113		NOT ASSIGNED			
Q 114		NOT ASSIGNED			
Q 115		NOT ASSIGNED			
Q 116		NOT ASSIGNED			
Q 117		NOT ASSIGNED			
Q 118		NOT ASSIGNED			
Q 119		NOT ASSIGNED			
Q 120		NOT ASSIGNED			

Dep. Selected at Factory DRAWING: 34W99303 29/48  
ANRITSU CORP.

## Parts List of: A2-A7 OUTPUT

Ref. No.	Part Code	Description	Rating	Qty	Note
Q 121		NOT ASSIGNED			
Q 122		NOT ASSIGNED			
Q 123		NOT ASSIGNED			
Q 124		NOT ASSIGNED			
Q 125		NOT ASSIGNED			
Q 126		NOT ASSIGNED			
Q 127		NOT ASSIGNED			
Q 128		NOT ASSIGNED			
Q 129		NOT ASSIGNED			
Q 130		NOT ASSIGNED			
Q 131		NOT ASSIGNED			
Q 132		NOT ASSIGNED			
Q 133		NOT ASSIGNED			
Q 134		NOT ASSIGNED			
Q 135		NOT ASSIGNED			
Q 136		NOT ASSIGNED			
Q 137		NOT ASSIGNED			
Q 138		NOT ASSIGNED			
Q 139		NOT ASSIGNED			
Q 140		NOT ASSIGNED			
Q 141		NOT ASSIGNED			
Q 142		NOT ASSIGNED			
Q 143		NOT ASSIGNED			

Dep. Selected at Factory DRAWING: 34W99303 30/48  
ANRITSU CORP.

## Parts List of: A2-A7 OUTPUT

Ref. No.	Part Code	Description	Rating	Qty	Note
Q 144		NOT ASSIGNED			
Q 145		NOT ASSIGNED			
Q 146		NOT ASSIGNED			
Q 147		NOT ASSIGNED			
Q 148		NOT ASSIGNED			
Q 149		NOT ASSIGNED			
Q 150		NOT ASSIGNED			
Q 151		NOT ASSIGNED			
Q 152		NOT ASSIGNED			
Q 153		NOT ASSIGNED			
Q 154		NOT ASSIGNED			
Q 155		NOT ASSIGNED			
Q 156		NOT ASSIGNED			
Q 157		NOT ASSIGNED			
Q 158		NOT ASSIGNED			
Q 159		NOT ASSIGNED			
Q 160		NOT ASSIGNED			
Q 161		NOT ASSIGNED			
Q 162		NOT ASSIGNED			
Q 163		NOT ASSIGNED			
Q 164		NOT ASSIGNED			
Q 165		NOT ASSIGNED			
Q 166		NOT ASSIGNED			

Dep. Selected at Factory DRAWING: 34W99303 31/48  
ANRITSU CORP.

## Parts List of: A2-A7 OUTPUT

Ref. No.	Part Code	Description	Rating	Qty	Note
Q 167		NOT ASSIGNED			
Q 168		NOT ASSIGNED			
Q 169		NOT ASSIGNED			
Q 170		NOT ASSIGNED			
Q 171		NOT ASSIGNED			
Q 172		NOT ASSIGNED			
Q 173		NOT ASSIGNED			
Q 174		NOT ASSIGNED			
Q 175		NOT ASSIGNED			
Q 176		NOT ASSIGNED			
Q 177		NOT ASSIGNED			
Q 178		NOT ASSIGNED			
Q 179		NOT ASSIGNED			
Q 180		NOT ASSIGNED			
Q 181		IC 74HC14F		1	
Q 182		IC 74HC4094F		1	
Q 183		IC 74HC4094F		1	
Q 184		TRANSISTOR 2SB624 BV4		1	
Q 185		TRANSISTOR 2SB624 BV4		1	
Q 186		TRANSISTOR 2SB624 BV4		1	
Q 187		TRANSISTOR 2SB624 BV4		1	
Q 188		NOT ASSIGNED			
Q 189		NOT ASSIGNED			

Dep. Selected at Factory DRAWING: 34W99303 32/48  
ANRITSU CORP.

Parts List of: A2-A7 OUTPUT

Ref. No.	Part Code	Description	Rating	Qty	Note
Q 190		NOT ASSIGNED			
Q 191	1C			1	
Q 192	74HC4094F			1	
Q 193	74HC42F			1	
Q 194	74HC00F			1	
Q 194	TRANSISTOR			1	
Q 194	2SA812			1	
Q 195	TRANSISTOR			1	
Q 195	2SC1622A (D17)			1	
Q 196	TRANSISTOR			1	
Q 196	2SC1622A (D17)			1	
Q 197	1C			1	
Q 198	NJU201AM			1	
Q 198	1C			1	
Q 199	NJU201AM			1	
Q 199	1C			1	
Q 200	1C			1	
Q 201	NJU201AM			1	
Q 201	1C			1	
Q 202	NJM5534MD			1	
Q 202	1C			1	
Q 203	NJM5534MD			1	
Q 203	DIODE			1	
Q 203	1SS99			1	
Q 204	TRANSISTOR			1	
Q 204	2SC1623			1	
Q 205	TRANSISTOR			1	
Q 205	2SC1623			1	
Q 206	TRANSISTOR			1	
Q 206	2SC1623			1	
Q 207	TRANSISTOR			1	
Q 207	2SC1623			1	
Q 208	DIODE			1	
Q 208	AMS2836			1	
Q 209	ZENER DIODE			1	
Q 209	RD9.1MB2			1	
Q 210	ZENER DIODE			1	
Q 210	RD11MB3			1	
Q 211	TRANSISTOR			1	
Q 211	2SB799NL			1	
Q 212	1C			1	
Q 212	MAR-3			1	

• Selected at factory

DRAWING № 34W99303 33/48

ANRITSU CORP.

Parts List of: A2-A7 OUTPUT

Ref. No.	Part Code	Description	Rating	Qty	Note
Q 213		DIODE		1	
Q 213	1SV128A			1	
Q 214	DIODE			1	
Q 214	1SV128A			1	
Q 215	1C			1	
Q 215	MGF0904A			1	
Q 216	1C			1	
Q 216	MGF0904A			1	
Q 217	DIODE			1	
Q 217	1SS99			1	
Q 218	THERMISTOR			1	
Q 218	31D21			1	
Q 219	TRANSISTOR			1	
Q 219	2SC1622A (D17)			1	
Q 220	TRANSISTOR			1	
Q 220	2SC1622A (D17)			1	
Q 221	DIODE			1	
Q 221	1SV128A			1	
Q 222	TRANSISTOR			1	
Q 222	2SA812			1	
Q 223	TRANSISTOR			1	
Q 223	2SA812			1	
Q 224	THERMISTOR			1	
Q 224	31D21			1	
Q 225	TRANSISTOR			1	
Q 225	2SD1000 (LL)			1	
Q 226	ZENER DIODE			1	
Q 226	RD7.5MB2			1	
R 1	CERMET RESISTOR		1KΩ	1	
R 1	RK73M2A102J		± 5%, 1/10W	1	
R 2	CERMET RESISTOR		150Ω	1	
R 2	RK73M2A151J		± 5%, 1/10W	1	
R 3	CERMET RESISTOR		220Ω	1	
R 3	RK73M2A221J		± 5%, 1/10W	1	
R 4	CERMET RESISTOR		150Ω	1	
R 4	RK73M2A151J		± 5%, 1/10W	1	
R 5	CERMET RESISTOR		39Ω	1	
R 5	RK73M2A390J		± 5%, 1/10W	1	
R 6	CERMET RESISTOR		150Ω	1	
R 6	RK73M2A151J		± 5%, 1/10W	1	
R 7	NOT ASSIGNED				
R 8	NOT ASSIGNED				

• Selected at factory

DRAWING № 34W99303 34/48

ANRITSU CORP.

Parts List of: A2-A7 OUTPUT

Ref. No.	Part Code	Description	Rating	Qty	Note
R 9	CERMET RESISTOR		470Ω	1	
R 9	RK73M2A471J		± 5%, 1/10W	1	
R 10	CERMET RESISTOR		470Ω	1	
R 10	RK73M2A471J		± 5%, 1/10W	1	
R 11	NOT ASSIGNED				
R 12	NOT ASSIGNED				
R 13	CERMET RESISTOR		470Ω	1	
R 13	RK73M2A471J		± 5%, 1/10W	1	
R 14	CERMET RESISTOR		470Ω	1	
R 14	RK73M2A471J		± 5%, 1/10W	1	
R 15	CERMET RESISTOR		120Ω	1	
R 15	RK73M2A121J		± 5%, 1/10W	1	
R 16	NOT ASSIGNED				
R 17	NOT ASSIGNED				
R 18	CERMET RESISTOR		1KΩ	1	
R 18	RK73M2A102J		± 5%, 1/10W	1	
R 19	NOT ASSIGNED				
R 20	NOT ASSIGNED				
R 21	NOT ASSIGNED				
R 22	NOT ASSIGNED				
R 23	NOT ASSIGNED				
R 24	NOT ASSIGNED				
R 25	NOT ASSIGNED				
R 26	NOT ASSIGNED				
R 27	NOT ASSIGNED				
R 28	NOT ASSIGNED				
R 29	NOT ASSIGNED				
R 30	NOT ASSIGNED				
R 31	NOT ASSIGNED				

• Selected at factory

DRAWING № 34W99303 35/48

ANRITSU CORP.

Parts List of: A2-A7 OUTPUT

Ref. No.	Part Code	Description	Rating	Qty	Note
R 32	CERMET RESISTOR		150Ω	1	
R 32	RK73M2A151J		± 5%, 1/10W	1	
R 33	CERMET RESISTOR		3.3KΩ	1	
R 33	RK73M2A332J		± 5%, 1/10W	1	
R 34	NOT ASSIGNED				
R 35	CERMET RESISTOR		470Ω	1	
R 35	RK73M2A471J		± 5%, 1/10W	1	
R 36	NOT ASSIGNED				
R 37	CERMET RESISTOR		680Ω	1	
R 37	RK73M2A681J		± 5%, 1/10W	1	
R 38	CERMET RESISTOR		10Ω	1	
R 38	RK73M2A100J		± 5%, 1/10W	1	
R 39	CERMET RESISTOR		220Ω	1	
R 39	RK73M2A221J		± 5%, 1/10W	1	
R 40	CERMET RESISTOR		22Ω	1	
R 40	RK73M2A220J		± 5%, 1/10W	1	
R 41	CERMET RESISTOR		220Ω	1	
R 41	RK73M2A221J		± 5%, 1/10W	1	
R 42	CERMET RESISTOR		6.8Ω	1	
R 42	RK73M2A688J		± 5%, 1/10W	1	
R 43	CERMET RESISTOR		470Ω	1	
R 43	RK73M2A471J		± 5%, 1/10W	1	
R 44	NOT ASSIGNED				
R 45	NOT ASSIGNED				
R 46	NOT ASSIGNED				
R 47	NOT ASSIGNED				
R 48	NOT ASSIGNED				
R 49	NOT ASSIGNED				
R 50	NOT ASSIGNED				
R 51	NOT ASSIGNED				
R 52	NOT ASSIGNED				
R 53	NOT ASSIGNED				
R 54	NOT ASSIGNED				

• Selected at factory

DRAWING № 34W99303 36/48

ANRITSU CORP.

Parts List of: A2-A7 OUTPUT

Ref. No.	Part Code	Description	Rating	Qty	Note
R 55		NOT ASSIGNED			
R 56		NOT ASSIGNED			
R 57		NOT ASSIGNED			
R 58		NOT ASSIGNED			
R 59		NOT ASSIGNED			
R 60		NOT ASSIGNED			
R 61		NOT ASSIGNED			
R 62		NOT ASSIGNED			
R 63		NOT ASSIGNED			
R 64		NOT ASSIGNED			
R 65		NOT ASSIGNED			
R 66		NOT ASSIGNED			
R 67		NOT ASSIGNED			
R 68		NOT ASSIGNED			
R 69		NOT ASSIGNED			
R 70		NOT ASSIGNED			
R 71		NOT ASSIGNED			
R 72		CERMET RESISTOR RK73M2A151J	150Ω ± 5%, 1/10W	1	
R 73		NOT ASSIGNED			
R 74		CERMET RESISTOR RK73M2A331J	330Ω ± 5%, 1/10W	1	
R 75		CERMET RESISTOR RK73M2A150J	15Ω ± 5%, 1/10W	1	
R 76		CERMET RESISTOR RK73M2A331J	330Ω ± 5%, 1/10W	1	
R 77		CERMET RESISTOR RK73M2A220J	22Ω ± 5%, 1/10W	1	
* Selected at factory			DRAWING № 34W99303 37/48		
			ANRITSU CORP.		

Parts List of: A2-A7 OUTPUT

Ref. No.	Part Code	Description	Rating	Qty	Note
R 78		CERMET RESISTOR RK73M2A102J	1KΩ ± 5%, 1/10W	1	
R 79		CERMET RESISTOR RK73M2A100J	100Ω ± 5%, 1/10W	1	
R 80		CERMET RESISTOR RK73M2A271J	270Ω ± 5%, 1/10W	1	
R 81		CERMET RESISTOR RK73M2A271J	270Ω ± 5%, 1/10W	1	
R 82		CERMET RESISTOR RK73M2A4R7J	4.7Ω ± 5%, 1/10W	1	
R 83		NOT ASSIGNED			
R 84		NOT ASSIGNED			
R 85		NOT ASSIGNED			
R 86		NOT ASSIGNED			
R 87		NOT ASSIGNED			
R 88		NOT ASSIGNED			
R 89		NOT ASSIGNED			
R 90		NOT ASSIGNED			
R 91		CERMET RESISTOR RK73M2A102J	1KΩ ± 5%, 1/10W	1	
R 92		CERMET RESISTOR RK73M2A101J	100Ω ± 5%, 1/10W	1	
R 93		CERMET RESISTOR RK73M2A471J	470Ω ± 5%, 1/10W	1	
R 94		CERMET RESISTOR RK73M2A471J	470Ω ± 5%, 1/10W	1	
R 95		CERMET RESISTOR RK73M2A101J	100Ω ± 5%, 1/10W	1	
R 96		CERMET RESISTOR RK73M2A471J	470Ω ± 5%, 1/10W	1	
R 97		CERMET RESISTOR RK73M2A221J	220Ω ± 5%, 1/10W	1	
R 98		NOT ASSIGNED			
R 99		NOT ASSIGNED			
R 100		NOT ASSIGNED			
* Selected at factory			DRAWING № 34W99303 38/48		
			ANRITSU CORP.		

Parts List of: A2-A7 OUTPUT

Ref. No.	Part Code	Description	Rating	Qty	Note
R 101		NOT ASSIGNED			
R 102		NOT ASSIGNED			
R 103		NOT ASSIGNED			
R 104		NOT ASSIGNED			
R 105		NOT ASSIGNED			
R 106		NOT ASSIGNED			
R 107		NOT ASSIGNED			
R 108		NOT ASSIGNED			
R 109		NOT ASSIGNED			
R 110		NOT ASSIGNED			
R 111		NOT ASSIGNED			
R 112		NOT ASSIGNED			
R 113		NOT ASSIGNED			
R 114		NOT ASSIGNED			
R 115		NOT ASSIGNED			
R 116		NOT ASSIGNED			
R 117		NOT ASSIGNED			
R 118		NOT ASSIGNED			
R 119		NOT ASSIGNED			
R 120		NOT ASSIGNED			
R 121		NOT ASSIGNED			
R 122		NOT ASSIGNED			
R 123		NOT ASSIGNED			
* Selected at factory			DRAWING № 34W99303 39/48		
			ANRITSU CORP.		

Parts List of: A2-A7 OUTPUT

Ref. No.	Part Code	Description	Rating	Qty	Note
R 124		NOT ASSIGNED			
R 125		NOT ASSIGNED			
R 126		NOT ASSIGNED			
R 127		NOT ASSIGNED			
R 128		NOT ASSIGNED			
R 129		NOT ASSIGNED			
R 130		NOT ASSIGNED			
R 131		NOT ASSIGNED			
R 132		NOT ASSIGNED			
R 133		NOT ASSIGNED			
R 134		NOT ASSIGNED			
R 135		NOT ASSIGNED			
R 136		NOT ASSIGNED			
R 137		NOT ASSIGNED			
R 138		NOT ASSIGNED			
R 139		NOT ASSIGNED			
R 140		NOT ASSIGNED			
R 141		NOT ASSIGNED			
R 142		NOT ASSIGNED			
R 143		NOT ASSIGNED			
R 144		NOT ASSIGNED			
R 145		NOT ASSIGNED			
R 146		NOT ASSIGNED			
* Selected at factory			DRAWING № 34W99303 40/48		
			ANRITSU CORP.		

Parts List of: A2-A7 OUTPUT

Ref. No.	Part Code	Description	Rating	Qty	Note
R 147		NOT ASSIGNED			
R 148		NOT ASSIGNED			
R 149		NOT ASSIGNED			
R 150		NOT ASSIGNED			
R 151		NOT ASSIGNED			
R 152		NOT ASSIGNED			
R 153		NOT ASSIGNED			
R 154		NOT ASSIGNED			
R 155		NOT ASSIGNED			
R 156		NOT ASSIGNED			
R 157		NOT ASSIGNED			
R 158		NOT ASSIGNED			
R 159		NOT ASSIGNED			
R 160		NOT ASSIGNED			
R 161		NOT ASSIGNED			
R 162		NOT ASSIGNED			
R 163		NOT ASSIGNED			
R 164		NOT ASSIGNED			
R 165		NOT ASSIGNED			
R 166		NOT ASSIGNED			
R 167		NOT ASSIGNED			
R 168		NOT ASSIGNED			
R 169		NOT ASSIGNED			
Dep.					
* Selected at factory			DRAWING № 34W99303		41/48
ANRITSU CORP.					

Parts List of: A2-A7 OUTPUT

Ref. No.	Part Code	Description	Rating	Qty	Note
R 170		NOT ASSIGNED			
R 171		NOT ASSIGNED			
R 172		NOT ASSIGNED			
R 173		NOT ASSIGNED			
R 174		NOT ASSIGNED			
R 175		NOT ASSIGNED			
R 176		NOT ASSIGNED			
R 177		NOT ASSIGNED			
R 178		NOT ASSIGNED			
R 179		NOT ASSIGNED			
R 180		NOT ASSIGNED			
R 181		NOT ASSIGNED			
R 182		NOT ASSIGNED			
R 183		NOT ASSIGNED			
R 184		NOT ASSIGNED			
R 185		NOT ASSIGNED			
R 186		NOT ASSIGNED			
R 187		NOT ASSIGNED			
R 188		NOT ASSIGNED			
R 189		NOT ASSIGNED			
R 190		NOT ASSIGNED			
R 191		NOT ASSIGNED			
R 192		NOT ASSIGNED			
Dep.					
* Selected at factory		DRAWING № 34W99303		42/48	
		ANRITSU CORP.			

Parts List of: A2-A7 OUTPUT

Ref. No.	Part Code	Description	Rating	Qty	Note
R 193		NOT ASSIGNED			
R 194		NOT ASSIGNED			
R 195		NOT ASSIGNED			
R 196		NOT ASSIGNED			
R 197		NOT ASSIGNED			
R 198		NOT ASSIGNED			
R 199		NOT ASSIGNED			
R 200		NOT ASSIGNED			
R 201		NOT ASSIGNED			
R 202		NOT ASSIGNED			
R 203		NOT ASSIGNED			
R 204		NOT ASSIGNED			
R 205		NOT ASSIGNED			
R 206		NOT ASSIGNED			
R 207		NOT ASSIGNED			
R 208		NOT ASSIGNED			
R 209		NOT ASSIGNED			
R 210		NOT ASSIGNED			
R 211		CERMET RESISTOR	470Ω		
R 212		RK73M2A471J	± 5%, 1/10W	1	
R 212		CERMET RESISTOR	470Ω		
R 212		RK73M2A471J	± 5%, 1/10W	1	
R 213		CERMET RESISTOR	10KΩ		
R 214		RK73M2A103J	± 5%, 1/10W	1	
R 214		CERMET RESISTOR	470Ω		
R 215		RK73M2A471J	± 5%, 1/10W	1	
R 215		CERMET RESISTOR	470Ω		
R 215		RK73M2A471J	± 5%, 1/10W	1	
Dep.					
* Selected at factory		DRAWING № 34W99303			43/48
ANRITSU CORP.					

Parts List of: A2-A7 OUTPUT

Ref. No.	Part Code	Description	Rating	Qty	Note
R 216		CERMET RESISTOR RK73M2A103J	10KΩ ± 5%, 1/10W	1	
R 217		CERMET RESISTOR RK73M2A471J	470Ω ± 5%, 1/10W	1	
R 218		CERMET RESISTOR RK73M2A471J	470Ω ± 5%, 1/10W	1	
R 219		CERMET RESISTOR RK73M2A103J	10KΩ ± 5%, 1/10W	1	
R 220		CERMET RESISTOR RK73M2A471J	470Ω ± 5%, 1/10W	1	
R 221		CERMET RESISTOR RK73M2A471J	470Ω ± 5%, 1/10W	1	
R 222		CERMET RESISTOR RK73M2A103J	10KΩ ± 5%, 1/10W	1	
R 223		NOT ASSIGNED			
R 224		NOT ASSIGNED			
R 225		NOT ASSIGNED			
R 226		NOT ASSIGNED			
R 227		NOT ASSIGNED			
R 228		NOT ASSIGNED			
R 229		NOT ASSIGNED			
R 230		NOT ASSIGNED			
R 231		CERMET RESISTOR RK73M2A561J	560Ω ± 5%, 1/10W	1	
R 232		CERMET RESISTOR RK73M2A150J	150Ω ± 5%, 1/10W	1	
R 233		CERMET RESISTOR RK73M2A681J	680Ω ± 5%, 1/10W	1	
R 234		CERMET RESISTOR RK73M2A472J	4.7KΩ ± 5%, 1/10W	1	
R 235		CERMET RESISTOR RK73M2A561J	560Ω ± 5%, 1/10W	1	
R 236		CERMET RESISTOR RK73M2A150J	150Ω ± 5%, 1/10W	1	
R 237		CERMET RESISTOR RK73M2A681J	680Ω ± 5%, 1/10W	1	
R 238		CERMET RESISTOR RK73M2A472J	4.7KΩ ± 5%, 1/10W	1	
Dep.					
* Selected at factory		DRAWING № 34W99303	44/48		
ANRITSU CORP.					

Parts List of: A2-A7 OUTPUT

Ref. No.	Part Code	Description	Rating	Qty	Note
R 239		CERMET RESISTOR	100KΩ		
R 240		RESISTOR	± 5%, 1/10W	1	
R 241		CERMET RESISTOR	100Ω		
R 242		RESISTOR	± 5%, 1/10W	1	
R 243		CERMET RESISTOR	100Ω		
R 244		RESISTOR	± 5%, 1/10W	1	
R 245		CERMET RESISTOR	100Ω		
R 246		RESISTOR	± 5%, 1/10W	1	
R 247		CERMET RESISTOR	100Ω		
R 248		RESISTOR	± 5%, 1/10W	1	
R 249		CERMET RESISTOR	100Ω		
R 250		RESISTOR	± 5%, 1/10W	1	
R 251		CERMET RESISTOR	100Ω		
R 252		RESISTOR	± 5%, 1/10W	1	
R 253		CERMET RESISTOR	100Ω		
R 254		RESISTOR	± 5%, 1/10W	1	
R 255		CERMET RESISTOR	220KΩ		
R 256		METAL FILM RESISTOR	10KΩ		
R 257		NOT ASSIGNED			
R 258		METAL FILM RESISTOR	1.8KΩ		
R 259		METAL FILM RESISTOR	270Ω		
R 260		METAL FILM RESISTOR	120Ω		
R 261		METAL FILM RESISTOR	100KΩ		
* Selected at factory					DRAWING No. 34W99303 45/48

ANRITSU CORP.

Parts List of: A2-A7 OUTPUT

Ref. No.	Part Code	Description	Rating	Qty	Note
R 262		METAL FILM RESISTOR	10KΩ		
R 263		RESISTOR	± 0.5%, 1/10W	1	
R 264		RESISTOR	± 20%, 1/4W	1	
R 265		METAL FILM RESISTOR	10KΩ		
R 266		METAL FILM RESISTOR	100KΩ		
R 267		RES ARRAY	10KΩ		
R 268		RES ARRAY	1KΩ		
R 269		CERMET RESISTOR	47KΩ		
R 270		CERMET RESISTOR	2.2KΩ		
R 271		CERMET RESISTOR	470Ω		
R 272		CARBON FILM RES	220Ω		
R 273		NOT ASSIGNED			
R 274		NOT ASSIGNED			
R 275		NOT ASSIGNED			
R 276		CERMET RESISTOR	470Ω		
R 277		NOT ASSIGNED			
R 278		CERMET RESISTOR	1KΩ		
R 279		CERMET RESISTOR	22KΩ		
R 280		NOT ASSIGNED			
R 281		CERMET RESISTOR	220Ω		
R 282		METAL FILM RESISTOR	178Ω		
R 283		FIXED RESISTOR	22Ω		
R 284		CERMET RESISTOR	1KΩ		
* Selected at factory					DRAWING No. 34W99303 46/48

ANRITSU CORP.

Parts List of: A2-A7 OUTPUT

Ref. No.	Part Code	Description	Rating	Qty	Note
R 285		CERMET RESISTOR	22KΩ		
R 286		NOT ASSIGNED			
R 287		CERMET RESISTOR	220Ω		
R 288		METAL FILM RESISTOR	221Ω		
R 289		NRN1/4C4221Ω D	± 0.5%, 1/4W	1	
R 290		FIXED RESISTOR	22Ω		
R 291		RESISTOR	± 5%, 2W	1	
R 292		CERMET RESISTOR	470Ω		
R 293		RESISTOR	± 5%, 1/10W	1	
R 294		METAL FILM RESISTOR	47Ω		
R 295		METAL FILM RESISTOR	270Ω		
R 296		NOT ASSIGNED			
R 297		METAL FILM RESISTOR	22KΩ		
R 298		METAL FILM RESISTOR	5.6KΩ		
R 299		CERMET RESISTOR	51Ω		
R 300		METAL FILM RESISTOR	10KΩ		
R 301		CERMET RESISTOR	2.2KΩ		
R 302		CERMET RESISTOR	2.2KΩ		
R 303		CERMET RESISTOR	2.2KΩ		
R 304		CERMET RESISTOR	2.2KΩ		
R 305		CERMET RESISTOR	330Ω		
R 306		FIXED RESISTOR	100Ω		
R 307		CERMET RESISTOR	10KΩ		
* Selected at factory					DRAWING No. 34W99303 47/48

ANRITSU CORP.

Parts List of: A2-A7 OUTPUT

Ref. No.	Part Code	Description	Rating	Qty	Note
R 308		CERMET RESISTOR	10KΩ		
R 309		CARBON FILM RES	220Ω		
R 310		CARBON FILM RES	270Ω		
R 311		CERMET RESISTOR	15Ω		
W 1		COAXIAL CABLE			
W 2		COAXIAL CABLE			
Z 1		MIXER			
Z 2		BPF	720MHZ	1	252HXP-
Z 3		BPF	720MHZ	1	252HXP-
Z 4		DOUBLER		1	2892F
* Selected at factory					DRAWING No. 34W99303 48/48

ANRITSU CORP.



Parts List of: A2-A10 ATT DRIVE

Ref. No.	Part Code	Description	Rating	Qty	Note
C 1		CER CAP	0.1 $\mu$ F, 50V		
	CK733F1H104Z		+80/-20%	1	
C 2		CER CAP	0.1 $\mu$ F, 50V		
	CK733F1H104Z		+80/-20%	1	
C 3		CER CAP	0.1 $\mu$ F, 50V		
	CK733F1H104Z		+80/-20%	1	
C 4		CER CAP	0.1 $\mu$ F, 50V		
	CK733F1H104Z		+80/-20%	1	
C 5		CER CAP	0.1 $\mu$ F, 50V		
	CK733F1H104Z		+80/-20%	1	
C 6		CER CAP	0.1 $\mu$ F, 50V		
	CK733F1H104Z		+80/-20%	1	
C 7		CER CAP	0.22 $\mu$ F		
	CK737B1H224K		$\pm$ 10%, 50V	1	
C 8		CER CAP	0.1 $\mu$ F, 50V		
	CK733F1H104Z		+80/-20%	1	
C 9		AL ELECTLT CAP	33 $\mu$ F		
	KRE25VB-33		$\pm$ 20%, 25V	1	
C 10		CER CAP	0.1 $\mu$ F, 50V		
	CK733F1H104Z		+80/-20%	1	
C 11		CER CAP	0.1 $\mu$ F, 50V		
	CK733F1H104Z		+80/-20%	1	
C 12		CER CAP	0.1 $\mu$ F, 50V		
	CK733F1H104Z		+80/-20%	1	
C 13		CER CAP	0.1 $\mu$ F, 50V		
	CK733F1H104Z		+80/-20%	1	
C 14		CER CAP	100 p F		
	CC732CH1H101J		$\pm$ 5%, 50V	1	
C 15		CER CAP	0.1 $\mu$ F, 50V		
	CK733F1H104Z		+80/-20%	1	
C 16		CER CAP	0.1 $\mu$ F, 50V		
	CK733F1H104Z		+80/-20%	1	
C 17		AL ELECTLT CAP	10 $\mu$ F		
	KRE50VB-10		$\pm$ 20%, 50V	1	
C 18		AL ELECTLT CAP	10 $\mu$ F		
	KRE50VB-10		$\pm$ 20%, 50V	1	
J 1		PLUG	8P		
	DF1B-8P2.5DS(01)			1	
Dep.	Q 1	IC			
		74HC14F		1	
DRAWING # 34W99307					1/1
ANRITSU CORP.					

Parts List of: A2-A10 ATT DRIVE

Ref. No.	Part Code	Description	Rating	Qty	Note
R 15		CERMET RESISTOR	4.7K $\Omega$		
	RK73M2A472J		$\pm$ 5%, 1/10W	1	
DRAWING # 34W99307					
ANRITSU CORP.					

Parts List of: A2-A10 ATT DRIVE

Ref. No.	Part Code	Description	Rating	Qty	Note
Q 2		IC			
	74HC4094F			1	
Q 3		IC			
	74HC00F			1	
Q 4		IC			
	$\mu$ PA2982C			1	
Q 5		IC			
	NJU201AM			1	
Q 6		IC			
	NJM072M			1	
Q 7		IC			
	$\mu$ PC272G2			1	
Q 8		DIODE			
	AISS123			1	
Q 9		DIODE			
	HSM88ASR			1	
R 1		CERMET RESISTOR	10K $\Omega$		
	RK73M2A103J		$\pm$ 5%, 1/10W	1	
R 2		CERMET RESISTOR	10K $\Omega$		
	RK73M2A103J		$\pm$ 5%, 1/10W	1	
R 3		CERMET RESISTOR	10K $\Omega$		
	RK73M2A103J		$\pm$ 5%, 1/10W	1	
R 4		CERMET RESISTOR	100K $\Omega$		
	RK73M2A104J		$\pm$ 5%, 1/10W	1	
R 5		CERMET RESISTOR	10K $\Omega$		
	RK73M2A103J		$\pm$ 5%, 1/10W	1	
R 6		CERMET RESISTOR	1K $\Omega$		
	RK73M2A102J		$\pm$ 5%, 1/10W	1	
R 7		CERMET RESISTOR	10K $\Omega$		
	RK73M2A103J		$\pm$ 5%, 1/10W	1	
R 8		CERMET RESISTOR	1M $\Omega$		
	RK73M2A105J		$\pm$ 5%, 1/10W	1	
R 9		CERMET RESISTOR	1M $\Omega$		
	RK73M2A105J		$\pm$ 5%, 1/10W	1	
R 10		CERMET RESISTOR	22K $\Omega$		
	RK73M2A223J		$\pm$ 5%, 1/10W	1	
R 11		CERMET RESISTOR	6.8K $\Omega$		
	RK73M2A682J		$\pm$ 5%, 1/10W	1	
R 12		CERMET RESISTOR	330 $\Omega$		
	RK73M2A331J		$\pm$ 5%, 1/10W	1	
R 13		CERMET RESISTOR	4.7K $\Omega$		
	RK73M2A472J		$\pm$ 5%, 1/10W	1	
R 14		CERMET RESISTOR	4.7K $\Omega$		
	RK73M2A472J		$\pm$ 5%, 1/10W	1	
DRAWING # 34W99307					2/3
ANRITSU CORP.					

Parts List of: A2-A12 MODULATION

Ref. No.	Part Code	Description	Rating	Qty	Note
C 1		AL ELECTLT CAP	100 $\mu$ F		
	CE04C1E101A		$\pm$ 20%, 25V	1	
C 2		AL ELECTLT CAP	100 $\mu$ F		
	CE04C1E101A		$\pm$ 20%, 25V	1	
C 3		AL ELECTLT CAP	100 $\mu$ F		
	CE04C1E101A		$\pm$ 20%, 25V	1	
C 4		AL ELECTLT CAP	100 $\mu$ F		
	CE04C1E101A		$\pm$ 20%, 25V	1	
C 5		CER CAP	0.1 $\mu$ F, 50V		
	CK733F1H104Z		+80/-20%	1	
C 6		CER CAP	0.1 $\mu$ F, 50V		
	CK733F1H104Z		+80/-20%	1	
C 7		CER CAP	0.1 $\mu$ F, 50V		
	CK733F1H104Z		+80/-20%	1	
C 8		CER CAP	0.1 $\mu$ F, 50V		
	CK733F1H104Z		+80/-20%	1	
C 9		NOT ASSIGNED			
C 10		CER CAP	0.1 $\mu$ F, 50V		
	CK733F1H104Z		+80/-20%	1	
C 11		CER CAP	0.1 $\mu$ F, 50V		
	CK733F1H104Z		+80/-20%	1	
C 12		CER CAP	0.1 $\mu$ F, 50V		
	CK733F1H104Z		+80/-20%	1	
C 13		CER CAP	0.1 $\mu$ F, 50V		
	CK733F1H104Z		+80/-20%	1	
C 14		CER CAP	0.1 $\mu$ F, 50V		
	CK733F1H104Z		+80/-20%	1	
C 15		CER CAP	0.1 $\mu$ F, 50V		
	CK733F1H104Z		+80/-20%	1	
C 16		CER CAP	0.1 $\mu$ F, 50V		
	CK733F1H104Z		+80/-20%	1	
C 17		CER CAP	0.1 $\mu$ F, 50V		
	CK733F1H104Z		+80/-20%	1	
C 18		CER CAP	0.1 $\mu$ F, 50V		
	CK733F1H104Z		+80/-20%	1	
C 19		NOT ASSIGNED			
C 20		CER CAP	0.1 $\mu$ F, 50V		
	CK733F1H104Z		+80/-20%	1	
C 21		CER CAP	0.1 $\mu$ F, 50V		
	CK733F1H104Z		+80/-20%	1	
C 22		CER CAP	0.1 $\mu$ F, 50V		
	CK733F1H104Z		+80/-20%	1	
C 23		CER CAP	0.1 $\mu$ F, 50V		
	CK733F1H104Z		+80/-20%	1	
DRAWING # 34W99309					1/15
ANRITSU CORP.					

Parts List of: A2-A12 MODULATION

Ref. No.	Part Code	Description	Rating	Qty	Note
C 24	CER CAP CK733F1H104Z	0.1 $\mu$ F, 50V +80/-20%	1		
C 25	CER CAP CK733F1H104Z	0.1 $\mu$ F, 50V +80/-20%	1		
C 26	CER CAP CK733F1H104Z	0.1 $\mu$ F, 50V +80/-20%	1		
C 27	CER CAP CK733F1H104Z	0.1 $\mu$ F, 50V +80/-20%	1		
C 28	CER CAP CK733F1H104Z	0.1 $\mu$ F, 50V +80/-20%	1		
C 29	CER CAP CK733F1H104Z	0.1 $\mu$ F, 50V +80/-20%	1		
C 30	CER CAP CK733F1H104Z	0.1 $\mu$ F, 50V +80/-20%	1		
C 31	CER CAP CK733F1H104Z	0.1 $\mu$ F, 50V +80/-20%	1		
C 32	CER CAP CK733F1H104Z	0.1 $\mu$ F, 50V +80/-20%	1		
C 33	CER CAP CK733F1H104Z	0.1 $\mu$ F, 50V +80/-20%	1		
C 34	CER CAP CK733F1H104Z	0.1 $\mu$ F, 50V +80/-20%	1		
C 35	CER CAP CK733F1H104Z	0.1 $\mu$ F, 50V +80/-20%	1		
C 36	PLSTC FILM CAP ECQ-P1183FZ	18000 p F $\pm$ 1%, 100V	1		
C 37	AL ELECTLT CAP CE04C1E100A	10 $\mu$ F $\pm$ 20%, 50V	1		
C 38	PLSTC FILM CAP ECQ-P1333FZ	33000 p F $\pm$ 1%, 100V	1		
C 39	PLSTC FILM CAP ECQ-P1683FZ	68000 p F $\pm$ 1%, 100V	1		
C 40	PLSTC FILM CAP ECQ-P1392FZ	3900 p F $\pm$ 1%, 100V	1		
C 41	PLSTC FILM CAP ECQ-P1913FZ	91000 p F $\pm$ 1%, 100V	1		
C 42	PLSTC FILM CAP ECQ-P1162FZ	1600 p F $\pm$ 1%, 100V	1		
C 43	PLSTC FILM CAP ECQ-P1433FZ	43000 p F $\pm$ 1%, 100V	1		
C 44	AL ELECTLT CAP CE04C1E100A	10 $\mu$ F $\pm$ 20%, 50V	1		
C 45	PLSTC FILM CAP ECQ-P1333FZ	33000 p F $\pm$ 1%, 100V	1		
C 46	PLSTC FILM CAP ECQ-P1683FZ	68000 p F $\pm$ 1%, 100V	1		

Selected at factory

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ANRITSU CORP.

Parts List of: A2-A12 MODULATION

Ref. No.	Part Code	Description	Rating	Qty	Note
C 47	PLSTC FILM CAP ECQ-P1392FZ	3900 p F $\pm$ 1%, 100V	1		
C 48	PLSTC FILM CAP ECQ-P1913FZ	91000 p F $\pm$ 1%, 100V	1		
C 49	PLSTC FILM CAP ECQ-P1162FZ	1600 p F $\pm$ 1%, 100V	1		
C 50	AL ELECTLT CAP CE04C1E101A	100 $\mu$ F $\pm$ 20%, 25V	1		
C 51	AL ELECTLT CAP CE04C1E101A	100 $\mu$ F $\pm$ 20%, 25V	1		
C 52	CER CAP CK733F1H104Z	0.1 $\mu$ F, 50V +80/-20%	1		
C 53	NOT ASSIGNED				
C 54	NOT ASSIGNED				
C 55	CER CAP CK733F1H104Z	0.1 $\mu$ F, 50V +80/-20%	1		
C 56	CER CAP CK733F1H104Z	0.1 $\mu$ F, 50V +80/-20%	1		
C 57	NOT ASSIGNED				
C 58	NOT ASSIGNED				
C 59	NOT ASSIGNED				
C 60	NOT ASSIGNED				
C 61	CER CAP CK733F1H104Z	0.1 $\mu$ F, 50V +80/-20%	1		
C 62	CER CAP CK733F1H104Z	0.1 $\mu$ F, 50V +80/-20%	1		
C 63	CER CAP CK733F1H104Z	0.1 $\mu$ F, 50V +80/-20%	1		
C 64	CER CAP CK733F1H104Z	0.1 $\mu$ F, 50V +80/-20%	1		
C 65	CER CAP CK733F1H104Z	0.1 $\mu$ F, 50V +80/-20%	1		
C 66	CER CAP CK733F1H104Z	0.1 $\mu$ F, 50V +80/-20%	1		
C 67	CER CAP CK733F1H104Z	0.1 $\mu$ F, 50V +80/-20%	1		
C 68	CER CAP CK733F1H104Z	0.1 $\mu$ F, 50V +80/-20%	1		
C 69	CER CAP CK733F1H104Z	0.1 $\mu$ F, 50V +80/-20%	1		

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ANRITSU CORP.

Parts List of: A2-A12 MODULATION

Ref. No.	Part Code	Description	Rating	Qty	Note
C 70	CER CAP CK733F1H104Z	0.1 $\mu$ F, 50V +80/-20%	1		
C 71	CER CAP CK733F1H104Z	0.1 $\mu$ F, 50V +80/-20%	1		
C 72	CER CAP CK733F1H104Z	0.1 $\mu$ F, 50V +80/-20%	1		
C 73	CER CAP CK733F1H104Z	0.1 $\mu$ F, 50V +80/-20%	1		
C 74	AL ELECTLT CAP CE04C1E102A	1000 $\mu$ F $\pm$ 20%, 25V	1		
C 75	AL ELECTLT CAP CE04C1E102A	1000 $\mu$ F $\pm$ 20%, 25V	1		
C 76	NOT ASSIGNED				
C 77	NOT ASSIGNED				
C 78	NOT ASSIGNED				
C 79	NOT ASSIGNED				
C 80	NOT ASSIGNED				
C 81	NOT ASSIGNED				
C 82	NOT ASSIGNED				
C 83	NOT ASSIGNED				
C 84	NOT ASSIGNED				
C 85	NOT ASSIGNED				
C 86	CER CAP CK733F1H104Z	0.1 $\mu$ F, 50V +80/-20%	1		
C 87	CER CAP CK733F1H104Z	0.1 $\mu$ F, 50V +80/-20%	1		
C 88	CER CAP CC732CH1H050D	5 p F, 50V $\pm$ 0.5 p F	1		
C 89	CER CAP CC732CH1H050D	5 p F, 50V $\pm$ 0.5 p F	1		
C 90	CER CAP CK733F1H104Z	0.1 $\mu$ F, 50V +80/-20%	1		
C 91	CER CAP CK733F1H104Z	0.1 $\mu$ F, 50V +80/-20%	1		
C 92	CER CAP CK733F1H104Z	0.1 $\mu$ F, 50V +80/-20%	1		

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ANRITSU CORP.

Parts List of: A2-A12 MODULATION

Ref. No.	Part Code	Description	Rating	Qty	Note
C 93	CER CAP CK733F1H104Z	0.1 $\mu$ F, 50V +80/-20%	1		
C 94	CER CAP CK733F1H104Z	0.1 $\mu$ F, 50V +80/-20%	1		
C 95	CER CAP CK733F1H104Z	0.1 $\mu$ F, 50V +80/-20%	1		
C 96	CER CAP CK733F1H104Z	0.1 $\mu$ F, 50V +80/-20%	1		
C 97	CER CAP CK733F1H104Z	0.1 $\mu$ F, 50V +80/-20%	1		
C 98	CER CAP CK733F1H104Z	0.1 $\mu$ F, 50V +80/-20%	1		
C 99	CER CAP CK733F1H104Z	0.1 $\mu$ F, 50V +80/-20%	1		
C 100	AL ELECTLT CAP CE04C1E101A	100 $\mu$ F $\pm$ 20%, 25V	1		
C 101	AL ELECTLT CAP CE04C1E101A	100 $\mu$ F $\pm$ 20%, 25V	1		
C 102	AL ELECTLT CAP CE04C1C471A	470 $\mu$ F $\pm$ 20%, 16V	1		
C 103	CER CAP CK733F1H104Z	0.1 $\mu$ F, 50V +80/-20%	1		
C 104	CER CAP CK733F1H104Z	0.1 $\mu$ F, 50V +80/-20%	1		
C 105	CER CAP CK733F1H104Z	0.1 $\mu$ F, 50V +80/-20%	1		
C 106	CER CAP CC732CH1H050D	5 p F, 50V $\pm$ 0.5 p F	1		
C 107	CER CAP CK733F1H104Z	0.1 $\mu$ F, 50V +80/-20%	1		
C 108	CER CAP CK733F1H104Z	0.1 $\mu$ F, 50V +80/-20%	1		
C 109	CER CAP CK733F1H104Z	0.1 $\mu$ F, 50V +80/-20%	1		
C 110	CER CAP CC732CH1H050D	5 p F, 50V $\pm$ 0.5 p F	1		
C 111	CER CAP CK733F1H104Z	0.1 $\mu$ F, 50V +80/-20%	1		
C 112	CER CAP CK733F1H104Z	0.1 $\mu$ F, 50V +80/-20%	1		
C 113	AL ELECTLT CAP CE04C1E101A	100 $\mu$ F $\pm$ 20%, 25V	1		
C 114	AL ELECTLT CAP CE04C1E101A	100 $\mu$ F $\pm$ 20%, 25V	1		
C 115	CER CAP CK733F1H104Z	0.1 $\mu$ F, 50V +80/-20%	1		

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ANRITSU CORP.

Parts List of: A2-A12 MODULATION

Ref. No.	Part Code	Description	Rating	Qty	Note
C 116		AL ELECTLT CAP CE04C1E221A	220 $\mu$ F = 20%, 25V	1	
C 117		AL ELECTLT CAP CE04C1E221A	220 $\mu$ F = 20%, 25V	1	
C 118		CER CAP CC732CJ1H030C	3 p F, 50V = 0.25 p F	1	
E 1		CHECK TERMINAL 00292		1	
E 2		CHECK TERMINAL 00292		1	
E 3		CHECK TERMINAL 00292		1	
E 4		CHECK TERMINAL 00292		1	
E 5		CHECK TERMINAL 00292		1	
E 6		CHECK TERMINAL 00292		1	
E 7		CHECK TERMINAL 00292		1	
E 8		CHECK TERMINAL 00292		1	
E 9		CHECK TERMINAL 00292		1	
E 10		CHECK TERMINAL 00292		1	
E 11		CHECK TERMINAL 00292		1	
E 12		CHECK TERMINAL 00292		1	
E 13		CHECK TERMINAL 00292		1	
E 14		CHECK TERMINAL 00292		1	
E 15		CHECK TERMINAL 00292		1	
J 1		PLUG DF1-15P2.5DSA	15P	1	
J 2		NOT ASSIGNED			
Dep.	J 3	PLUG DF1-5P2.5DSA	5P	1	
* Selected at factory			DRAWING № 34W99309	6/15	
ANRITSU CORP.					

Parts List of: A2-A12 MODULATION

Ref. No.	Part Code	Description	Rating	Qty	Note
J 4		PLUG 27DP-R-PC-1		1	
J 5		PLUG 27DP-R-PC-1		1	
J 6		PLUG DF1-10P2.5DSA	10P	1	
K 1		RELAY SV-12		1	
L 1		INDUCTOR SP0408-6R8K	6.8 $\mu$ H, = 10%	1	
L 2		INDUCTOR SP0408-6R8K	6.8 $\mu$ H, = 10%	1	
L 3		INDUCTOR SP0408-6R8K	6.8 $\mu$ H, = 10%	1	
L 4		INDUCTOR SP0408-6R8K	6.8 $\mu$ H, = 10%	1	
Q 1		IC 74HC14F		1	
Q 2		IC 74HC4094F		1	
Q 3		IC 74HC4094F		1	
Q 4		IC 74HC4094F		1	
Q 5		IC 74HC4094F		1	
Q 6		IC 74HC4094F		1	
Q 7		IC 74HC4094F		1	
Q 8		IC 74HC4094F		1	
Q 9		IC 74HC32F		1	
Q 10		IC 74HC390F		1	
Dep.	Q 11	IC 74HC390F		1	
* Selected at factory			DRAWING № 34W99309	7/15	
ANRITSU CORP.					

Parts List of: A2-A12 MODULATION

Ref. No.	Part Code	Description	Rating	Qty	Note
Q 12		IC 74HC164F		1	
Q 13		IC 74HC164F		1	
Q 14		IC 74HC14F		1	
Q 15		IC NJM4558M		1	
Q 16		IC NJM4558M		1	
Q 17		IC NJM4558M		1	
Q 18		IC NJM4558M		1	
Q 19		IC 74HC74F		1	
Q 20		DIODE A1SS123		1	
Q 21		NOT ASSIGNED			
Q 22		IC NJM5532M		1	
Q 23		NOT ASSIGNED			
Q 24		NOT ASSIGNED			
Q 25		NOT ASSIGNED			
Q 26		NOT ASSIGNED			
Q 27		NOT ASSIGNED			
Q 28		NOT ASSIGNED			
Q 29		NOT ASSIGNED			
Q 30		IC NJM5534M		1	
Q 31		IC NJM5534M		1	
Q 32		IC NJM5534M		1	
Q 33		IC NJU201AM		1	
Q 34		IC NJU201AM		1	
Dep.					
* Selected at factory			DRAWING № 34W99309	8/15	
ANRITSU CORP.					

Parts List of: A2-A12 MODULATION

Ref. No.	Part Code	Description	Rating	Qty	Note
Q 35		IC NJU201AM		1	
Q 36		IC 74HC04F		1	
Q 37		TRANSISTOR 2SC1623		1	
Q 38		DIODE A1SS123		1	
Q 39		NOT ASSIGNED			
Q 40		IC AD7533JN		1	
Q 41		IC AD7533JN		1	
Q 42		DIODE 1SS97		1	
Q 43		DIODE 1SS97		1	
Q 44		IC NJM5534M		1	
Q 45		IC NJM5534M		1	
Q 46		IC NJM5534M		1	
Q 47		IC NJU201AM		1	
Q 48		IC 74HC04F		1	
Q 49		IC NJM5534M		1	
Q 50		DIODE A1SS123		1	
Q 51		DIODE A1SS123		1	
Q 52		NOT ASSIGNED			
Q 53		NOT ASSIGNED			
Q 54		TRANSISTOR 2SC1623		1	
Q 55		TRANSISTOR 2SA812		1	
Q 56		ZENER DIODE 1SZ52		1	
Q 57		IC PC813G		1	
Dep.					
* Selected at factory			DRAWING № 34W99309	9/15	
ANRITSU CORP.					

Parts List of: A2-A12 MODULATION

Ref. No.	Part Code	Description	Rating	Qty	Note
Q 58	IC				
Q 59	AD7541AKN			1	
Q 60	DIODE				
Q 61	1SS97			1	
Q 62	IC				
Q 63	PC813G			1	
Q 64	AD7533JN			1	
Q 65	DIODE				
Q 66	1SS97			1	
Q 67	IC				
Q 68	PC813G			1	
Q 69	DIODE				
Q 70	A1SS123			1	
Q 71	DIODE				
Q 72	A1SS123			1	
Q 73	NOT ASSIGNED				
Q 74	NOT ASSIGNED				
Q 75	TRANSISTOR				
Q 76	2SC1623			1	
Q 77	TRANSISTOR				
Q 78	2SA812			1	
Q 79	HYBRID IC				
Q 80	LM1			1	
R 1	RES ARRAY		10KΩ		
R 2	RRS-4-103JA		± 5%	1	
R 3	NOT ASSIGNED				
R 4	NOT ASSIGNED				
R 5	NOT ASSIGNED				
R 6	NOT ASSIGNED				
R 7	NOT ASSIGNED				
R 8	NOT ASSIGNED				
R 9	NOT ASSIGNED				

\* Selected at factory

DRAWING No. 34W99309

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ANRITSU CORP.

Parts List of: A2-A12 MODULATION

Ref. No.	Part Code	Description	Rating	Qty	Note
R 10	RES ARRAY		100KΩ		
R 11	RRS-8-104JA		± 5%	1	
R 12	RES ARRAY		100KΩ		
R 13	RRS-8-104JA		± 5%	1	
R 14	CERMET RESISTOR		3.3KΩ		
R 15	RK73M2A332J		± 5%, 1/10W	1	
R 16	CERMET RESISTOR		4.7KΩ		
R 17	RK73M2A472J		± 5%, 1/10W	1	
R 18	METAL FILM RESISTOR		9.31KΩ		
R 19	RN14K2E9311D		± 0.5%, 1/4W	1	
R 20	METAL FILM RESISTOR		8.45KΩ		
R 21	RN14K2E8451D		± 0.5%, 1/4W	1	
R 22	METAL FILM RESISTOR		8.66KΩ		
R 23	RN14K2E8661D		± 0.5%, 1/4W	1	
R 24	METAL FILM RESISTOR		8.45KΩ		
R 25	RN14K2E8451D		± 0.5%, 1/4W	1	
R 26	METAL FILM RESISTOR		9.76KΩ		
R 27	RN14K2E9761D		± 0.5%, 1/4W	1	
R 28	CERMET RESISTOR		4.7KΩ		
R 29	RK73M2A472J		± 5%, 1/10W	1	
R 30	VARIABLE RESISTOR		5KΩ		
R 31	RGS4H502		± 20%, 1/4W	1	
R 32	CERMET RESISTOR		3.3KΩ		
R 33	RK73M2A332J		± 5%, 1/10W	1	
R 34	CERMET RESISTOR		4.7KΩ		
R 35	RK73M2A472J		± 5%, 1/10W	1	
R 36	METAL FILM RESISTOR		23.2KΩ		
R 37	RN14K2E2322D		± 0.5%, 1/4W	1	
R 38	METAL FILM RESISTOR		21KΩ		
R 39	RN14K2E2102D		± 0.5%, 1/4W	1	
R 40	METAL FILM RESISTOR		21.5KΩ		
R 41	RN14K2E2152D		± 0.5%, 1/4W	1	
R 42	METAL FILM RESISTOR		21KΩ		
R 43	RN14K2E2102D		± 0.5%, 1/4W	1	
R 44	METAL FILM RESISTOR		24.3KΩ		
R 45	RN14K2E2432D		± 0.5%, 1/4W	1	
R 46	CERMET RESISTOR		4.7KΩ		
R 47	RK73M2A472J		± 5%, 1/10W	1	
R 48	VARIABLE RESISTOR		5KΩ		
R 49	RGS4H502		± 20%, 1/4W	1	
R 50	CERMET RESISTOR		3.9KΩ		
R 51	RK73M2A392J		± 5%, 1/10W	1	
R 52	CERMET RESISTOR		15KΩ		
R 53	RK73M2A153J		± 5%, 1/10W	1	
R 54	CERMET RESISTOR		10KΩ		
R 55	RK73M2A103J		± 5%, 1/10W	1	

\* Selected at factory

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ANRITSU CORP.

Parts List of: A2-A12 MODULATION

Ref. No.	Part Code	Description	Rating	Qty	Note
R 33	CERMET RESISTOR		10KΩ		
R 34	RK73M2A103J		± 5%, 1/10W	1	
R 35	NOT ASSIGNED				
R 36	CARBON FILM RES		600Ω		
R 37	RD1/4PX600Ω D		1/4W	1	
R 38	CERMET RESISTOR		10Ω		
R 39	RK73M2A100J		± 5%, 1/10W	1	
R 40	CERMET RESISTOR		3.3KΩ		
R 41	RK73M2A332J		± 5%, 1/10W	1	
R 42	CERMET RESISTOR		1.2KΩ		
R 43	RK73M2A122J		± 5%, 1/10W	1	
R 44	METAL FILM RESISTOR		3.01KΩ		
R 45	RN14K2E3011D		± 0.5%, 1/4W	1	
R 46	CERMET RESISTOR		1.5KΩ		
R 47	RK73M2A152J		± 5%, 1/10W	1	
R 48	METAL FILM RESISTOR		3.01KΩ		
R 49	RN14K2E3011D		± 0.5%, 1/4W	1	
R 50	NOT ASSIGNED				
R 51	CERMET RESISTOR		33KΩ		
R 52	RK73M2A333J		± 5%, 1/10W	1	
R 53	NOT ASSIGNED				
R 54	NOT ASSIGNED				
R 55	NOT ASSIGNED				
R 56	NOT ASSIGNED				
R 57	NOT ASSIGNED				
R 58	NOT ASSIGNED				
R 59	NOT ASSIGNED				
R 60	NOT ASSIGNED				
R 61	NOT ASSIGNED				
R 62	NOT ASSIGNED				
R 63	NOT ASSIGNED				
R 64	NOT ASSIGNED				
R 65	NOT ASSIGNED				
R 66	NOT ASSIGNED				
R 67	NOT ASSIGNED				
R 68	NOT ASSIGNED				
R 69	NOT ASSIGNED				
R 70	NOT ASSIGNED				
R 71	NOT ASSIGNED				
R 72	NOT ASSIGNED				
R 73	NOT ASSIGNED				
R 74	NOT ASSIGNED				
R 75	NOT ASSIGNED				
R 76	NOT ASSIGNED				
R 77	NOT ASSIGNED				
R 78	NOT ASSIGNED				

\* Selected at factory

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ANRITSU CORP.

Parts List of: A2-A12 MODULATION

Ref. No.	Part Code	Description	Rating	Qty	Note
R 56	METAL FILM RESISTOR		5.11KΩ		
R 57	RN14K2E5111D		± 0.5%, 1/4W	1	
R 58	METAL FILM RESISTOR		1KΩ		
R 59	RN73G2A102D		± 0.5%, 1/10W	1	
R 60	METAL FILM RESISTOR		1KΩ		
R 61	RN73G2A102D		± 0.5%, 1/10W	1	
R 62	METAL FILM RESISTOR		10KΩ		
R 63	RN73G2A103D		± 0.5%, 1/10W	1	
R 64	METAL FILM RESISTOR		10KΩ		
R 65	RN73G2A103D		± 0.5%, 1/10W	1	
R 66	METAL FILM RESISTOR		10KΩ		
R 67	RN73G2A103D		± 0.5%, 1/10W	1	
R 68	METAL FILM RESISTOR		10KΩ		
R 69	RN73G2A103D		± 0.5%, 1/10W	1	
R 70	CERMET RESISTOR		5.6KΩ		
R 71	RK73M2A562J		± 5%, 1/10W	1	
R 72	CERMET RESISTOR		18KΩ		
R 73	RK73M2A183J		± 5%, 1/10W	1	
R 74	CERMET RESISTOR		1KΩ		
R 75	RK73M2A102J		± 5%, 1/10W	1	
R 76	CERMET RESISTOR		33KΩ		
R 77	RK73M2A333J		± 5%, 1/10W	1	
R 78	NOT ASSIGNED				
R 79	CERMET RESISTOR		10KΩ		
R 80	RK73M2A103J		± 5%, 1/10W	1	
R 81	CERMET RESISTOR		10KΩ		
R 82	RK73M2A103J		± 5%, 1/10W	1	
R 83	CERMET RESISTOR		4.7KΩ		
R 84	RK73M2A472J		± 5%, 1/10W	1	
R 85	CERMET RESISTOR		10KΩ		

\* Selected at factory

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ANRITSU CORP.

Parts List of: A2-A12 MODULATION

Ref. No.	Part Code	Description	Rating	Qty	Note
R 79		VARIABLE RESISTOR	10KΩ		
R 80		RGS4H103	± 20%, 1/4W	1	
R 81		CERMET RESISTOR	39KΩ		
R 82		RK73M2A393J	± 5%, 1/10W	1	
R 83		VARIABLE RESISTOR	10KΩ		
R 84		RGS4H103	± 20%, 1/4W	1	
R 85		CERMET RESISTOR	10KΩ		
R 86		RK73M2A103J	± 5%, 1/10W	1	
R 87		CERMET RESISTOR	15KΩ		
R 88		RK73M2A153J	± 5%, 1/10W	1	
R 89		CERMET RESISTOR	22KΩ		
R 90		RK73M2A223J	± 5%, 1/10W	1	
R 91		CERMET RESISTOR	10KΩ		
R 92		RK73M2A103J	± 5%, 1/10W	1	
R 93		CERMET RESISTOR	3.3KΩ		
R 94		RK73M2A332J	± 5%, 1/10W	1	
R 95		CERMET RESISTOR	10KΩ		
R 96		RK73M2A103J	± 5%, 1/10W	1	
R 97		CERMET RESISTOR	15Ω		
R 98		RK73M2A150J	± 5%, 1/10W	1	
R 99		CERMET RESISTOR	15Ω		
R 100		RK73M2A150J	± 5%, 1/10W	1	
R 101		CERMET RESISTOR	47Ω		
R 102		RK73M2A470J	± 5%, 1/10W	1	
R 103		METAL FILM RESISTOR	1KΩ		
R 104		RN73G2A102D	± 0.5%, 1/10W	1	
R 105		CERMET RESISTOR	4.7KΩ		
R 106		RK73M2A472J	± 5%, 1/10W	1	
R 107		METAL FILM RESISTOR	47KΩ		
R 108		RN73G2A473D	± 0.5%, 1/10W	1	
R 109		CERMET RESISTOR	3.3KΩ		
R 110		RK73M2A332J	± 5%, 1/10W	1	
R 111		METAL FILM RESISTOR	22KΩ		
R 112		RN73G2A223D	± 0.5%, 1/10W	1	
R 113		VARIABLE RESISTOR	1KΩ		
R 114		RGS4H102	± 20%, 1/4W	1	
R 115		METAL FILM RESISTOR	15KΩ		
R 116		RN73G2A153D	± 0.5%, 1/10W	1	
R 117		VARIABLE RESISTOR	10KΩ		
R 118		RGS4H103	± 20%, 1/4W	1	
R 119		CERMET RESISTOR	10KΩ		
R 120		RK73M2A103J	± 5%, 1/10W	1	
R 121		CERMET RESISTOR	3.3KΩ		
R 122		RK73M2A332J	± 5%, 1/10W	1	
R 123		CERMET RESISTOR	10KΩ		
R 124		RK73M2A103J	± 5%, 1/10W	1	

\* Selected at factory

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ANRITSU CORP.

Parts List of: A2-A12 MODULATION

Ref. No.	Part Code	Description	Rating	Qty	Note
R 102		CERMET RESISTOR	15Ω		
R 103		RK73M2A150J	± 5%, 1/10W	1	
R 104		CERMET RESISTOR	15Ω		
R 105		RK73M2A150J	± 5%, 1/10W	1	
R 106		METAL FILM RESISTOR	47Ω		
R 107		RN73G2A470D	± 0.5%, 1/10W	1	
R 108		CERMET RESISTOR	15KΩ		
R 109		RK73M2A153J	± 5%, 1/10W	1	
R 110		CERMET RESISTOR	100KΩ		
R 111		RK73M2A104J	± 5%, 1/10W	1	
R 112		METAL FILM RESISTOR	10KΩ		
R 113		RN73G2A103D	± 0.5%, 1/10W	1	
R 114		METAL FILM RESISTOR	10KΩ		
R 115		RN73G2A103D	± 0.5%, 1/10W	1	
X 1		CRYSTAL OSC			
		TCO-711SC16MHZ		1	

\* Selected at factory

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ANRITSU CORP.

Parts List of: A2-A13 POWER SUPPLY

Ref. No.	Part Code	Description	Rating	Qty	Note
C 1		AL ELECTLT CAP	10000μ F		
C 2		KME25VNSN-10000-22F	± 20%, 25V	1	
C 3		NOT ASSIGNED			
C 4		AL ELECTLT CAP	10000μ F		
C 5		CE691C1E103A	± 20%, 25V	1	
C 6		NOT ASSIGNED			
C 7		AL ELECTLT CAP	6800μ F		
C 8		KMH50VNSN-6800-25F	± 20%, 50V	1	
C 9		NOT ASSIGNED			
C 10		AL ELECTLT CAP	4700μ F		
C 11		KMH50VNSN-4700-22E	± 20%, 50V	1	
C 12		NOT ASSIGNED			
C 13		AL ELECTLT CAP	2200μ F		
C 14		KMH63VNSN-2200-22C	± 20%, 63V	1	
C 15		NOT ASSIGNED			
C 16		CER CAP	0.1μ F, 50V		
C 17		CK924F1H104Z	+80/-20%	1	
C 18		AL ELECTLT CAP	100μ F		
C 19		CE04C1E101A	± 20%, 25V	1	
C 20		CER CAP	0.1μ F, 50V		
C 21		CK924F1H104Z	+80/-20%	1	
C 22		CER CAP	0.1μ F, 50V		
C 23		CK924F1H104Z	+80/-20%	1	
C 24		AL ELECTLT CAP	100μ F		
C 25		CE04C1E101A	± 20%, 25V	1	
C 26		CER CAP	0.1μ F, 50V		
C 27		CK924F1H104Z	+80/-20%	1	
C 28		CER CAP	0.1μ F, 50V		
C 29		CK924F1H104Z	+80/-20%	1	
C 30		AL ELECTLT CAP	100μ F		
C 31		CE04C1E101A	± 20%, 25V	1	
C 32		CER CAP	0.1μ F, 50V		
C 33		CK924F1H104Z	+80/-20%	1	
C 34		AL ELECTLT CAP	100μ F		
C 35		CE04C1E101A	± 20%, 25V	1	
C 36		CER CAP	0.1μ F, 50V		
C 37		CK924F1H104Z	+80/-20%	1	
C 38		CER CAP	0.1μ F, 50V		
C 39		CK924F1H104Z	+80/-20%	1	
C 40		AL ELECTLT CAP	10000μ F		
C 41		KME25VNSN-10000-22F	± 20%, 25V	1	
E 1		CHECK TERMINAL			
E 2		00292		1	
E 3		CHECK TERMINAL			
E 4		00292		1	
E 5		CHECK TERMINAL			
E 6		00292		1	

\* Selected at factory

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ANRITSU CORP.

Parts List of: A2-A13 POWER SUPPLY

Ref. No.	Part Code	Description	Rating	Qty	Note
C 24		CER CAP	0.1μ F, 50V		
C 25		CK924F1H104Z	+80/-20%	1	
C 26		CER CAP	0.1μ F, 50V		
C 27		CK924F1H104Z	+80/-20%	1	
C 28		AL ELECTLT CAP	100μ F		
C 29		CE04C1E101A	± 20%, 25V	1	
C 30		CER CAP	0.1μ F, 50V		
C 31		CK924F1H104Z	+80/-20%	1	
C 32		CER CAP	0.1μ F, 50V		
C 33		CK924F1H104Z	+80/-20%	1	
C 34		AL ELECTLT CAP	100μ F		
C 35		CE04C1E101A	± 20%, 25V	1	
C 36		CER CAP	0.1μ F, 50V		
C 37		CK924F1H104Z	+80/-20%	1	
C 38		CER CAP	0.1μ F, 50V		
C 39		CK924F1H104Z	+80/-20%	1	
C 40		AL ELECTLT CAP	10000μ F		
C 41		KME25VNSN-10000-22F	± 20%, 25V	1	
E 1		CHECK TERMINAL			
E 2		00292		1	
E 3		CHECK TERMINAL			
E 4		00292		1	
E 5		CHECK TERMINAL			
E 6		00292		1	

\* Selected at factory

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ANRITSU CORP.

Parts List of: A2-A13 POWER SUPPLY

Ref. No.	Part Code	Description	Rating	Qty	Note
E 6		CHECK TERMINAL 00292		1	
E 7		NOT ASSIGNED			
E 8		CHECK TERMINAL 00292		1	
F 1		FUSE MF51NN250V1ADC01	1A, 250V	1	
F 2		FUSE MF51NN250V2ADC01	2A, 250V	1	
F 3		FUSE MF51NN250V1.6ADC01	1.6A, 250V	1	
F 4		FUSE MF51NN250V0.5ADC01	0.5A, 250V	1	
F 5		FUSE MF51NN250V0.5ADC01	1A, 250V	1	
F 6		FUSE MF51NN250V0.8ADC01	0.8A, 250V	1	
F 7		FUSE MF51NN250V0.2ADC01	0.2A, 250V	1	
J 1		PLUG DF1-15P2.5DSA	15P	1	
J 2		CONNECTOR L-PB2221	22P	1	
J 3		PLUG DF1-2P2.5DSA	2P	1	
J 4		PLUG DF1-3P2.5DSA	3P	1	
M 1		TIMER TM-0	10000H	1	
Q 1		DIODE D5FB20(4002)		1	
Q 2		RECTIFIER RB-402-LFD		1	
Q 3		DIODE D5FB20(4002)		1	

• Selected at factory

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ANRITSU CORP.

Parts List of: A2-A13 POWER SUPPLY

Ref. No.	Part Code	Description	Rating	Qty	Note
Q 4		RECTIFIER RB-402-LFD		1	
Q 5		RECTIFIER RB-152-LFB		1	
Q 6		IC SI-3052V		1	
Q 7		IC SI-3052V		1	
Q 8		TRANSISTOR 2SC2751		1	
Q 9		IC SI-3122V		1	
Q 10		IC SI-3122V		1	
Q 11		IC PC16315HF		1	
Q 12		IC PC16312HF		1	
Q 13		IC PC78N24H		1	PA2-1CB
Q 14		DIODE 1S953		1	
Q 15		DIODE 1S953		1	
Q 16		ZENER DIODE RD5.1EB		1	
Q 17		NOT ASSIGNED			
Q 18		DIODE 1S953		1	
Q 19		DIODE 1S953		1	
Q 20		DIODE 1S953		1	
Q 21		DIODE 1S953		1	
Q 22		DIODE 1S953		1	
Q 23		DIODE 1S953		1	
Q 24		DIODE 1S953		1	
Q 25		TRANSISTOR 2SD1405		1	
Q 26		TRANSISTOR 2SC2721		1	

• Selected at factory

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ANRITSU CORP.

Parts List of: A2-A13 POWER SUPPLY

Ref. No.	Part Code	Description	Rating	Qty	Note
Q 27		ZENER DIODE HZ30-3		1	
R 1		CARBON FILM RES ARD25T102J	1KΩ ± 5%, 1/4W	1	
R 2		CARBON FILM RES ARD25T102J	1KΩ ± 5%, 1/4W	1	
R 3		CARBON FILM RES ARD25T472J	4.7KΩ ± 5%, 1/4W	1	
R 4		CARBON FILM RES ARD25T472J	4.7KΩ ± 5%, 1/4W	1	
R 5		CARBON FILM RES ARD25T103J	10KΩ ± 5%, 1/4W	1	
R 6		NOT ASSIGNED			
R 7		CARBON FILM RES ARD25T102J	1KΩ ± 5%, 1/4W	1	
R 8		METAL FILM RESISTOR RN14K2E7321D	7.32KΩ ± 0.5%, 1/4W	1	
R 9		CARBON FILM RES ARD25T102J	1KΩ ± 5%, 1/4W	1	
R 10		CARBON FILM RES ARD25T105J	1MΩ ± 5%, 1/4W	1	
R 11		CARBON FILM RES ARD25T682J	6.8KΩ ± 5%, 1/4W	1	

• Selected at factory

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ANRITSU CORP.

Parts List of: A2-A14 CPU

Ref. No.	Part Code	Description	Rating	Qty	Note
C 1		CER CAP CK733F1H104Z	0.1μ F, 50V +80/-20%	1	
C 2		CER CAP CK733F1H104Z	0.1μ F, 50V +80/-20%	1	
C 3		CER CAP CK733F1H104Z	0.1μ F, 50V +80/-20%	1	
C 4		CER CAP CK733F1H104Z	0.1μ F, 50V +80/-20%	1	
C 5		CER CAP CK733F1H104Z	0.1μ F, 50V +80/-20%	1	
C 6		CER CAP CK733F1H104Z	0.1μ F, 50V +80/-20%	1	
C 7		CER CAP CK733F1H104Z	0.1μ F, 50V +80/-20%	1	
C 8		CER CAP CK733F1H104Z	0.1μ F, 50V +80/-20%	1	
C 9		CER CAP CK733F1H104Z	0.1μ F, 50V +80/-20%	1	
C 10		CER CAP CK733F1H104Z	0.1μ F, 50V +80/-20%	1	
C 11		CER CAP CK733F1H104Z	0.1μ F, 50V +80/-20%	1	
C 12		CER CAP CK733F1H104Z	0.1μ F, 50V +80/-20%	1	
C 13		CER CAP CK733F1H104Z	0.1μ F, 50V +80/-20%	1	
C 14		CER CAP CK733F1H104Z	0.1μ F, 50V +80/-20%	1	
C 15		CER CAP CK733F1H104Z	0.1μ F, 50V +80/-20%	1	
C 16		CER CAP CK733F1H104Z	0.1μ F, 50V +80/-20%	1	
C 17		AL. ELECTLYT. CAP CE04C1E220	22μ F, 25V	1	
C 18		CER CAP CK733F1H104Z	0.1μ F, 50V +80/-20%	1	
J 1		PIN-TYPE CONNECTOR FFC3AMEP	3P	1	PIN
J 2		PIN-TYPE CONNECTOR DIC-252	2P	1	
J 3		CONNECTOR PICD-26S-DT1-N	26P	1	SOCKET

• Selected at factory

DRAWING No. 34W99612 1/3

ANRITSU CORP.

Parts List of: A2-A14 CPU

Ref. No.	Part Code	Description	Rating	Qty	Note
Q 1	IC	HD68HC000CP12		1	
Q 2	IC	AB168AFP		1	
Q 3	IC	74HCT541F		1	
Q 4	IC	74HCT541F		1	
Q 5	IC	74HCT541F		1	
Q 6	IC	74HCT245F		1	
Q 7	IC	74HCT245F		1	
Q 8	IC	PD71054C		1	
Q 9	IC	74HC21F		1	
Q 10	IC	PD27C2001D-15		1	IC-26-3206 -GS4
Q 11	IC	PD27C2001D-15		1	IC-26-3206 -GS4
Q 12	IC	HM62256LFP-8T		1	
Q 13	IC	HM62256LFP-8T		1	
Q 14	IC	74HC32F		1	
Q 15	IC	74HC04F		1	
Q 16	IC	HN58C65FP-25T		1	
Q 17	DIODE	152837		1	
Q 18	IC	74HC00F		1	
R 1	CERMET RESISTOR	10KΩ		1	
R 2	CERMET RESISTOR	10KΩ		1	
R 3	RES ARRAY	10KΩ		1	
R 4	RES ARRAY	10KΩ		1	
Dep.					

• Selected at factory

DRAWING № 34W99612 2/3

ANRITSU CORP.

Parts List of: A2-A14 CPU

Ref. No.	Part Code	Description	Rating	Qty	Note
R 5	RES ARRAY	10KΩ		1	
R 6	RES ARRAY	100KΩ		1	
R 7	RES ARRAY	100KΩ		1	
R 8	RES ARRAY	100KΩ		1	
R 9	CERMET RESISTOR	100KΩ		1	
R 10	CERMET RESISTOR	1KΩ		1	
X 1	CRYSTAL OSC	12MHZ		1	
Z 1	BATTERY	3V, 500m Ah		1	342B99253
Dep.					

• Selected at factory

DRAWING № 34W99612 3/3

ANRITSU CORP.

Parts List of: A2-A15 INTERFACE

Ref. No.	Part Code	Description	Rating	Qty	Note
C 1	CER CAP	0.1μ F, 50V		1	
C 2	CK733F1H104Z	+80/-20%		1	
C 3	CER CAP	0.1μ F, 50V		1	
C 4	CK733F1H104Z	+80/-20%		1	
C 5	CER CAP	0.1μ F, 50V		1	
C 6	CER CAP	0.1μ F, 50V		1	
C 7	CK733F1H104Z	+80/-20%		1	
C 8	CER CAP	0.1μ F, 50V		1	
C 9	NOT ASSIGNED			1	
C 10	CER CAP	0.1μ F, 50V		1	
C 11	CER CAP	0.1μ F, 50V		1	
C 12	CK733F1H104Z	+80/-20%		1	
C 13	TA ELECTLT CAP	4.7μ F		1	
C 14	CER CAP	0.1μ F, 50V		1	
C 15	CK733F1H104Z	+80/-20%		1	
C 16	AL ELECTLT CAP	470μ F		1	
C 17	CE04C1A471A	± 20%, 10V		1	
C 18	CER CAP	0.1μ F, 50V		1	
C 19	NOT ASSIGNED			1	
C 20	CER CAP	0.1μ F, 50V		1	
C 21	CK733F1H104Z	+80/-20%		1	
C 22	CER CAP	0.1μ F, 50V		1	
C 23	CK733F1H104Z	+80/-20%		1	
Dep.					

• Selected at factory

DRAWING № 34W99613 1/3

ANRITSU CORP.

Parts List of: A2-A15 INTERFACE

Ref. No.	Part Code	Description	Rating	Qty	Note
J 1	PLUG	30P		1	
J 2	HIF3FC-30PA-2.54DSA	26P		1	
J 3	HIF3FC-26PA-2.54DSA	26P		1	PIN
L 1	INDUCTOR	1.0μ H, ± 10%		1	
Q 1	IC	74HC138F		1	
Q 2	IC	74HC138F		1	
Q 3	IC	74HC374F		1	
Q 4	IC	74HC374F		1	
Q 5	IC	74HC112F		1	
Q 6	IC	74HC112F		1	
Q 7	IC	74HC112F		1	
Q 8	IC	74HC541F		1	
Q 9	NOT ASSIGNED			1	
Q 10	IC	74HC21F		1	
Q 11	IC	74HC541F		1	
Q 12	IC	PST519A		1	
Q 13	DIODE	A1S2838		1	
Q 14	IC	74HC14F		1	
Q 15	NOT ASSIGNED			1	
Q 16	NOT ASSIGNED			1	
Dep.					

• Selected at factory

DRAWING № 34W99613 2/3

ANRITSU CORP.

Parts List of: A2-A15 INTERFACE

Ref. No.	Part Code	Description	Rating	Qty	Note
Q 17	IC				
Q 18	TMS9914ANL			1	
Q 19	SN75161BN			1	
	IC				
	SN75160BN			1	
R 1	RES ARRAY		100K $\Omega$		
R 2	RRS-8-104JA		$\pm 5\%$	1	
R 3	RES ARRAY		100K $\Omega$		
	RRS-8-104JA		$\pm 5\%$	1	
R 4	NOT ASSIGNED				
R 5	RES ARRAY		3.3K $\Omega$		
	RRS-8-332JA		$\pm 5\%$	1	
R 6	CERMET RESISTOR		15 $\Omega$		
	RK73M2A150J		$\pm 5\%, 1/10W$	1	
R 7	CERMET RESISTOR		220 $\Omega$		
	RK73M2A221J		$\pm 5\%, 1/10W$	1	
R 8	CERMET RESISTOR		33K $\Omega$		
	RK73M2A333J		$\pm 5\%, 1/10W$	1	
R 9	CERMET RESISTOR		1.5K $\Omega$		
	RK73M2A152J		$\pm 5\%, 1/10W$	1	
R 10	RES ARRAY		100K $\Omega$		
	RRS-8-104JA		$\pm 5\%$	1	
R 11	CERMET RESISTOR		10K $\Omega$		
	RK73M2A103J		$\pm 5\%, 1/10W$	1	
R 12	CERMET RESISTOR		4.7K $\Omega$		
	RK73M2A472J		$\pm 5\%, 1/10W$	1	
S 1	DIP SWITCH		4P		
	DISS4A			1	
X 1	CRYSTAL OSC		20MHZ		
	EXO-3C(20M)			1	
Dep.					
DRAWING # 34W99513			3/3		
ANRITSU CORP.					

Parts List of: A3 STD UNIT (OPT01)

Ref. No.	Part Code	Description	Rating	Qty	Note
X 1	CRYSTAL OSC 34X70052A		10MHZ 2 x 10 -8/DAY	1	TC0-612B

Parts List of: A3 STD UNIT (OPT01)

Ref. No.	Part Code	Description	Rating	Qty	Note
A	1	A3-A1 STD POWER		1	33W32502 34W99505
C	1	LINE FILTER ZFN5101-01R		1	
C	2	CER CAP CK924F1H104Z	0.1 $\mu$ F, 50V $\pm 80\%$ -20%	1	
C	3	CER CAP CC924CH1H331J	330 p F $\pm 5\%$ , 50V	1	
C	4	CER CAP CC924CH1H331J	330 p F $\pm 5\%$ , 50V	1	
J	1	NOT ASSIGNED			
J	2	JACK 5X203	5P	1	
J	3	PLUG 1625-04P1	4P	1	1560TI
L	1	INDUCTOR SP0408-1R0K	1.0 $\mu$ H, $\pm 10\%$	1	
S	1	PUSH SWITCH ESB-7070TV	5A	1	SB1705
T	1	POWER TRANSFORMER 34T100367		1	
W	1	U LINK 34J91995B	UT141, BNC	1	
W	2	CABLE DF1B-3S2.5R24-30C-1	300mm, .3P	1	DF1B-2S2.5 R24-10C-1
W	3	342W99748 DF1BCABLE	50mm, .2P	1	
W	4	CABLE ASSEMBLY 349J99753	140mm, BNC	1	
Dep.					
* Selected at factory					
DRAWING # 34W99502					1/2
ANRITSU CORP.					

Parts List of: A3 STD UNIT (OPT02)

Ref. No.	Part Code	Description	Rating	Qty	Note
A	1	A3-A1 STD POWER		1	33W32502 1 34W99505
C	1	LINE FILTER ZFN5101-01R		1	
C	2	CER CAP CK924F1H104Z	0.1 $\mu$ F, 50V $\pm 80\% -20\%$	1	
C	3	CER CAP CC924CH1H331J	330 p F $\pm 5\%, 50V$	1	
C	4	CER CAP CC924CH1H331J	330 p F $\pm 5\%, 50V$	1	
J	1	NOT ASSIGNED			
J	2	JACK 5X203	5P	1	
J	3	PLUG 1625-04P1	4P	1	1560TL
L	1	INDUCTOR SP0408-1R0K	1.0 $\mu$ H, $\pm 10\%$	1	
S	1	PUSH SWITCH ESB-7070TV	5A	1	SB1705
T	1	POWER TRANSFORMER 34T100367		1	
W	1	U LINK 34J91995B	UT141, BNC	1	
W	2	CABLE DF1B-3S2.5R24-30C-1	300mm, .3P	1	
W	3	342W99748 DF1BCABLE	50mm, .2P	1	DF1B-2S2.5 R24-10C-1
W	4	CABLE ASSEMBLY 349J99753	140mm, BNC	1	
Dep.					
* See back of Page 100			DRAWING # 34W99503		1/2
ANRITSU CORP.					



Parts List of: A3 STD UNIT (OPT02)

Ref. No.	Part Code	Description	Rating	Qty	Note
X 1		CRYSTAL OSC 34X70052B	10MHZ 5 x 10 -9/DAY	1	TC0-612C
Dep.					
DRAWING: 34W99503 2/2					
ANRITSU CORP.					

Parts List of: A3 STD UNIT (OPT03)

Ref. No.	Part Code	Description	Rating	Qty	Note
A 1		A3-A1 STD POWER		1	33W32502 34W99505
C 1		LINE FILTER ZF5101-01R		1	
C 2		CER CAP CK924F1H104Z	0.1 $\mu$ F, 50V +80/-20%	1	
C 3		CER CAP CC924CH1H331J	330 p F ± 5%, 50V	1	
C 4		CER CAP CC924CH1H331J	330 p F ± 5%, 50V	1	
J 1		NOT ASSIGNED			
J 2		JACK 5X203	5P	1	
J 3		PLUG 1625-04P1	4P	1	1560T1
L 1		INDUCTOR SP0408-1R0K	1.0 $\mu$ H, ± 10%	1	
S 1		PUSH SWITCH ESB-70707V	5A	1	SB1705
T 1		POWER TRANSFORMER 34T100367		1	
W 1		U LINK 34J91995B	UT141, BNC	1	
W 2		CABLE DF1B-3S2, 5R24-30C-1	300 $\Omega$ , .3P	1	
W 3		342W99748 DF1BCABLE	50 $\Omega$ , .2P	1	DF1B-2S2.5
W 4		CABLE ASSEMBLY 349J99753	140 $\Omega$ , BNC	1	R24-10C-1
Dep.					
DRAWING: 34W99504 1/2					
ANRITSU CORP.					

Parts List of: A3 STD UNIT (OPT03)

Ref. No.	Part Code	Description	Rating	Qty	Note
X 1		CRYSTAL OSC 34X70052C	10MHZ 2 x 10 -9/DAY	1	TC0-622
Dep.					
DRAWING: 34W99504 2/2					
ANRITSU CORP.					

Parts List of: A3-A1 STD POWER  
(OPTION 01 TO 03)

Ref. No.	Part Code	Description	Rating	Qty	Note
C 1		AL ELECTLT CAP CE691C1V472A	4700 $\mu$ F ± 20%, 35V	1	
C 2		CER CAP CK924F1H104Z	0.1 $\mu$ F, 50V +80/-20%	1	
C 3		AL ELECTLT CAP CE04C1E470A	47 $\mu$ F ± 20%, 25V	1	
F 1		FUSE MF51NN250V0.5ADC01	0.5A, 250V	1	
J 1		PLUG DF1-2P2.5DSA	2P	1	
J 2		PLUG DF1B-2P2.5DSA(01)	2P, WHITE	1	
J 3		PLUG DF1B-3P2.5DSA(01)	3P, WHITE	1	
Q 1		RECTIFIER RB-152-1FB		1	
Q 2		IC PC7812HF		1	SB-10A
Q 3		DIODE 1S953		1	
Q 4		DIODE 1S953		1	
Q 5		DIODE 1S953		1	
R 1		CARBON FILM RES ARD25T102J	1K $\Omega$ ± 5%, 1/4W	1	
S 1		DIP SWITCH D1SS4A		1	
Dep.					
DRAWING: 34W99505 1/1					
ANRITSU CORP.					

Parts List: A2-A12-A1 AF OSC (Opt.04)

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CKT REF	DESCRIPTION	RATING	NOTE
C 1	Cer,var,(TZ03Z070A)	7pF,100V	*
C 2	Elect,(CS02H1A4R7M)	4.7uF,±20%,10V	
C 3	Cer,(CK924F1H104Z)	0.1uF,±80/~20%,50V	
Q 1	IC,(UG-1)		
R 1	CM,var,(RJ-6P 5KΩ)	5.0kΩ,1/2W	*
TP 1	Terminal, (LC-2-S YELLOW)		14E38559
TP 2	Terminal, (LC-2-S YELLOW)		14E39559
TP 3	Terminal,(LC-2-S BLACK)		14E38559
W 1	Connector, (DF1-10S2.5R28-5A)		
X 1	XTAL,(NR-18 8.388608MHZ LN-X-0008)		

( ): Manufacturer's part number  
\* : Selected at factory

34W91051 1/1

## APPENDIX A

### INSTALLATION OF OPTIONS

#### 1. Option 01/02/03 Installation

##### 1.1 Supplied Parts

Confirm the following parts supplied for the modification.

- Option 01

Name	Qty.	Remarks
Quartz Crystal Oscillator Unit	1	34Y100008A
Screw (3NPS6B3) with Spring Washer	4	ES2Q-111
U Link	1	34J91995B

- Option 02

Name	Qty.	Remarks
Quartz Crystal Oscillator Unit	1	34Y100008B
Screw (3NPS6B3) with Spring Washer	4	ES2Q-111
U Link	1	34J91995B

- Option 03

Name	Qty.	Remarks
Quartz Crystal Oscillator Unit	1	34Y100008C
Screw (3NPS6B3) with Spring Washer	4	ES2Q-111
U Link	1	34J91995B

## 1.2 Installation

Install the optional oscillator in the following order. (Refer to Fig. A-1)

Step	Procedure
1.	Remove 2 screws ④ (both top and bottom), 6 screws ②, 4 screws ⑩ and 2 screws ⑤ (both sides), then pull out the main chassis ⑩ from the cabinet ③.
2.	Remove 4 screws ⑭ and the plate ⑨.
3.	Fix the optional oscillator unit ⑤ with 4 screws ⑭ and the attached 4 screws ⑦.
4.	Connections of connectors
(1)	Connect W2 connector ⑧ to A2-A1-J10 connector ⑪.
(2)	Disconnect A2-J15 connector ⑬ from A2-J14 connector ⑫ then connect J3 ⑥ to A2-J14 ⑫.
5.	Reassemble the instrument in a reverse order.
6.	Connect the supplied U Link ① between REF OUTPUT and 10 MHz STD REF INPUT on the rear panel.

## 1.3 Performance Check

Perform the output frequency check in accordance with the check procedure in Paragraph 7.3.1 Output frequency in the Operation Manual.

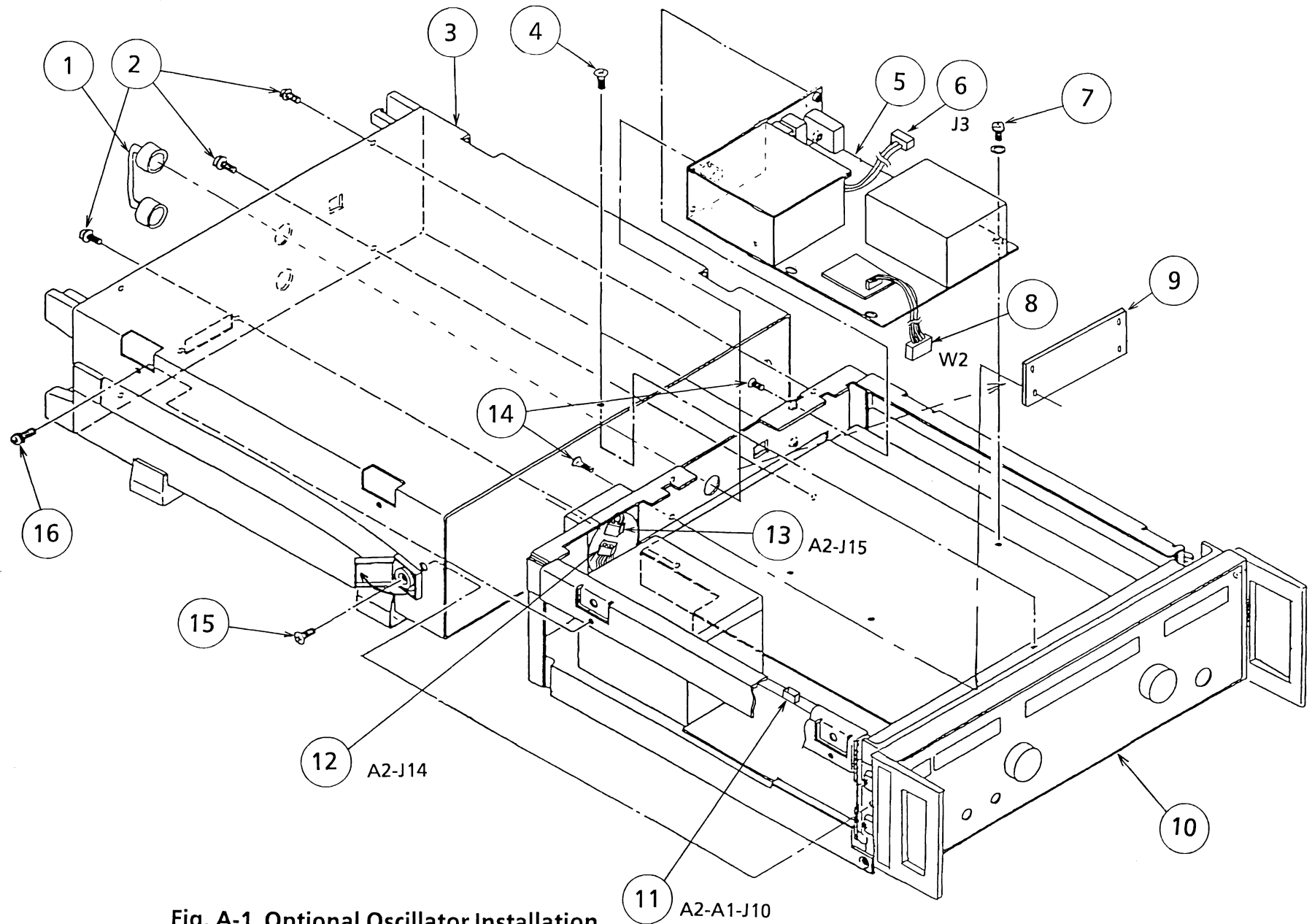


Fig. A-1 Optional Oscillator Installation

## 2. Option 04 Installation

### 2.1 Supplied Parts

Confirm the following parts supplied for the modification.

- Option 04

Name	Qty.	Remarks
Quartz Crystal Oscillator Unit	1	34Y100008D
Screw (2.6NPS6B3) with Spring Washer	4	ES2Q-111

### 2.2 Installation

Install the optional AF oscillator in the following order. (Refer to Fig. A-3)

Step	Procedure
1.	Pull out the main chassis ③ in the same order of Option 01/02/03 installation.
2.	Remove 12 screws ① and cover ②.
3.	Fix the optional oscillator PC board ⑤ to the studs of A2-A12 PC board ④ with the supplied 4 screws ⑥.
4.	Connect the connector of optional oscillator PC board ⑤ to J6 connector of A2-A12 PC board ④.
5.	Reassemble the instrument in a reverse order.
6.	Connect REF OUTPUT and 10 MHz STD REF INPUT on the rear panel using U LINK.

### 2.3 Performance Check

#### (1) Test specifications

- Frequency range 20 Hz to 100 kHz
- Setting resolution 0.1 Hz
- Accuracy  $\pm 100$  ppm

#### (2) Test equipment required

- Frequency counter

### (3) Setup

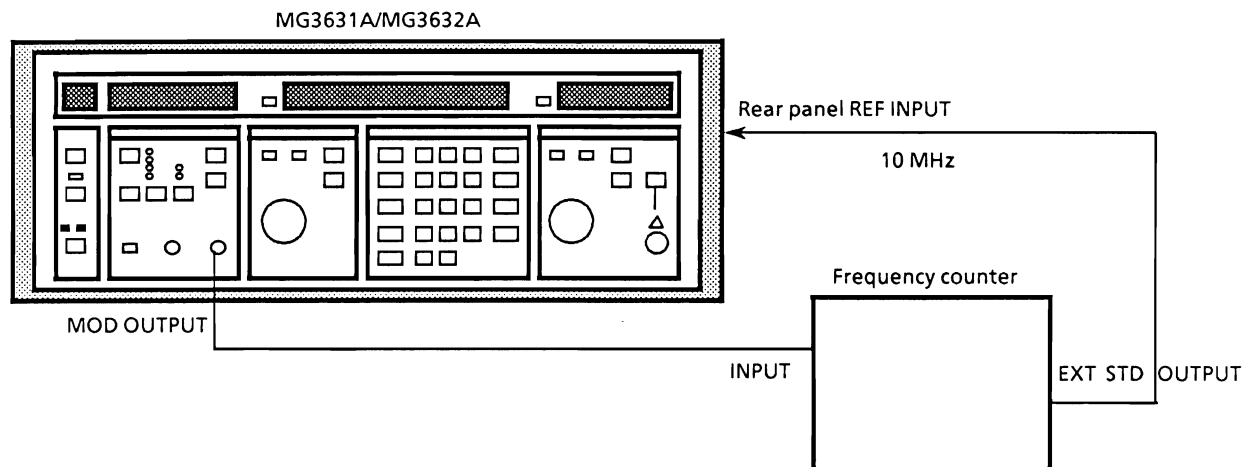


Fig. A-2 AF Frequency Check

### (4) Check procedure (Refer to Fig. A-2)

Step	Procedure
1.	Connect the standard frequency output (10 MHz) of the frequency counter to 10 MHz STD REF INPUT on the rear panel of the MG3631A/MG3632A.
2.	Connect the MG3631A/MG3632A MOD OUTPUT to the frequency counter input.
3.	Set the MG3631A/MG3632A FM mode to FM ON. [FM ON/OFF]
4.	Set the MG3631A/MG3632A MODULATION SOURCE to AF (OPT). [AF (OPT)]
5.	Set the MG3631A/MG3632A AF frequency to any frequency (ex. 10 kHz). [SHIFT] [FREQ] [1] [0] [kHz/mV]
6.	Check that the frequency counter reading is the same as the set value.
7.	Change the MG3631A/MG3632A AF frequency and repeat the check.

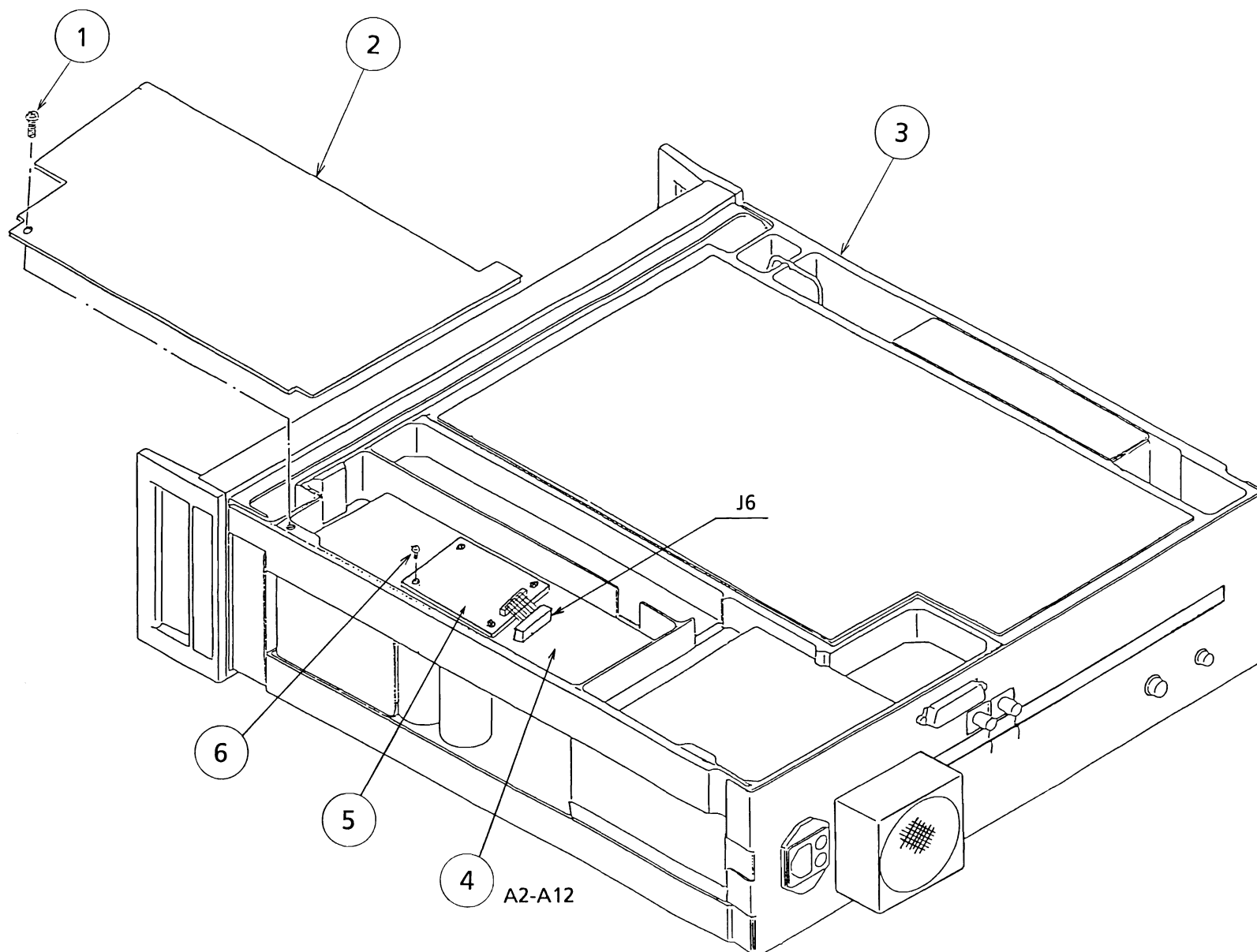


Fig. A-3 Optional AF Oscillator Installation