



# SERVICE MANUAL

VHF TRUNKED RADIO

**IC-F1500**

UHF TRUNKED RADIO

**IC-F2500**

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## INTRODUCTION

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This service manual describes the latest service information for the **IC-F1500** VHF TRUNKED RADIO and **IC-F2500** UHF TRUNKED RADIO at the time of publication.

To upgrade quality, any electrical or mechanical parts and internal circuits are subject to change without notice or obligation.

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## DANGER

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**NEVER** connect the transceiver to an AC outlet or to a DC power supply that uses more than 16 V. This will ruin the transceiver.

**DO NOT** expose the transceiver to rain, snow or any liquids.

**DO NOT** reverse the polarities of the power supply when connecting the transceiver.

**DO NOT** apply an RF signal of more than 20 dBm (100 mW) to the antenna connector. This could damage the transceiver's front end.



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## ORDERING PARTS

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Be sure to include the following four points when ordering replacement parts:

1. 10-digit order numbers
2. Component part number and name
3. Equipment model name and unit name
4. Quantity required

〈SAMPLE ORDER〉

1110003571 S.IC MC3372SVM IC-F1500 MAIN UNIT 5 pieces  
8810008660 Screw BT M3x8 NI-ZU IC-F1500 Bottom cover 10 pieces

Addresses are provided on the inside back cover for your convenience.

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## REPAIR NOTES

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1. Make sure a problem is internal before disassembling the transceiver.
2. **DO NOT** open the transceiver until the transceiver is disconnected from its power source.
3. **DO NOT** force any of the variable components. Turn them slowly and smoothly.
4. **DO NOT** short any circuits or electronic parts. An insulated tuning tool **MUST** be used for all adjustments.
5. **DO NOT** keep power ON for a long time when the transceiver is defective.
6. **DO NOT** transmit power into a signal generator or a sweep generator.
7. **ALWAYS** connect a 40 dB to 50 dB attenuator between the transceiver and a deviation meter or spectrum analyzer when using such test equipment.
8. **READ** the instructions of test equipment thoroughly before connecting equipment to the transceiver.

## EXPLICIT DEFINITIONS

Model		Frequency coverage	Power
IC-F1500	L-band	136-155 MHz	25 W
	H-band	146-174 MHz	25 W
	L-band	136-155 MHz	10 W
	H-band	146-174 MHz	10 W
IC-F2500	L-band	400-430 MHz	25 W
	H-band	440-470 MHz	25 W
	L-band	400-430 MHz	10 W
	H-band	440-470 MHz	10 W

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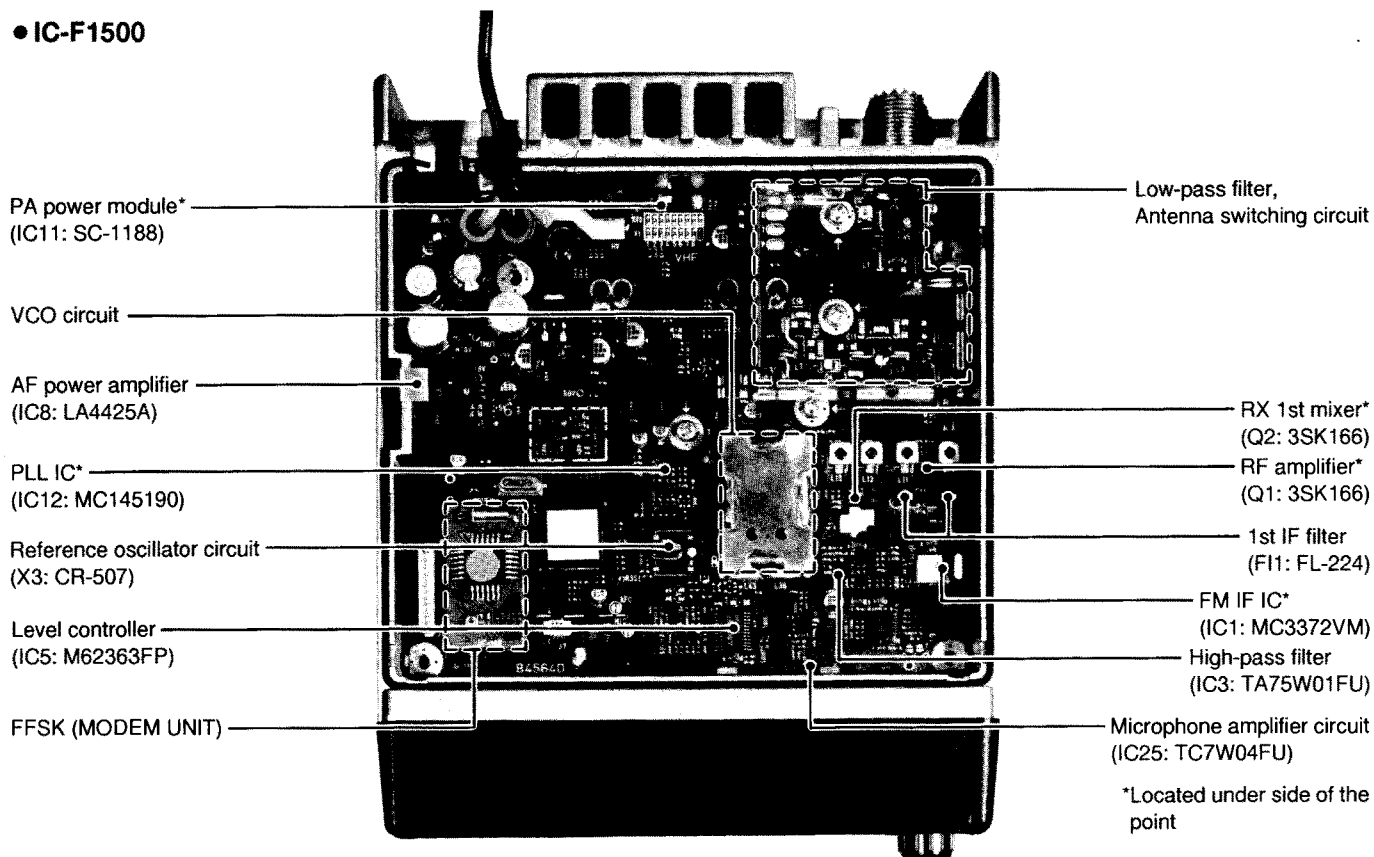
# SECTION 1 SPECIFICATIONS

		IC-F1500	IC-F2500
<b>GENERAL</b>	Frequency coverage	136–155 MHz (L-band) 146–174 MHz (H-band)	400–430 MHz (L-band) 440–470 MHz (H-band)
	Mode	8K50F3E/F2D (12,5 kHz type), 16K0F3E/F2D (25 kHz type)	
	Number of channels	Up to 1024 (Trunking channel), 5 (Conventional channel)	
	Power supply requirement	13.2 V DC $\pm$ 15 % (negative ground)	
	Current drain	Receive standby: 700 mA max. audio: 1.2 A Transmit at 25W: 7.0 A	Receive standby: 700 mA max. audio: 1.2 A Transmit at 25W: 8.0 A
	Frequency stability	$\pm$ 1500 Hz	
	Usable temperature range	- 25 °C to +55 °C	
	Antenna connector	SO-239 (50 $\Omega$ )	
	Dimensions	150(W) $\times$ 50(H) $\times$ 180(D) mm	
	Weight	1.5 kg	
<b>RECEIVER</b>	Measurement method	ETS-300-086	
	Receive system	Double conversion superheterodyne	
	Intermediate frequencies	1st: 21.8 MHz      2nd: 455 kHz	1st: 30.875 MHz      2nd: 455 kHz
	Sensitivity (20 dB SINAD)	- 2 dB $\mu$ V (0.79 $\mu$ V) emf	0 dB $\mu$ V (1 $\mu$ V) emf
	Squelch threshold sensitivity	- 6 dB $\mu$ V (0.5 $\mu$ V) emf (During conventional use)	
	Adjacent channel selectivity	60 dB (12.5 kHz type) 70 dB (25 kHz type)	
	Spurious response rejection	70 dB	
	Intermodulation rejection	65 dB	
	Hum and noise	40 dB	
	Audio frequency response	+1 dB to - 3 dB in a 6 dB/octave range with 300 Hz to 2550 Hz input	
	Audio output power	3.5 W at 10 % distortion with a 4 $\Omega$ load.	
	External speaker connector	2-conductor 3.5(d) mm/4 $\Omega$	
<b>TRANSMITTER</b>	Measurement method	ETS-300-086	
	RF output power	25 W ([GEN], [GEN-1]), 10 W ([GEN-2], [GEN-3]) and 2 programmable low power levels	
	Modulation system	Variable reactance frequency modulation	
	Max. frequency deviation	$\pm$ 2.5 kHz (12.5 kHz type), $\pm$ 5.0 kHz (25 kHz type)	
	Spurious emissions	0.25 $\mu$ W	
	Adjacent channel power	60 dB (12.5 kHz type) 70 dB (25 kHz type)	
	Audio frequency response	+1 dB to - 3 dB in a 6 dB/octave range with 300 Hz to 2550 Hz input	
	Residual modulation	40 dB	
	Audio harmonic distortion	10 %	
Microphone connector	8-pin modular jack/600 $\Omega$		

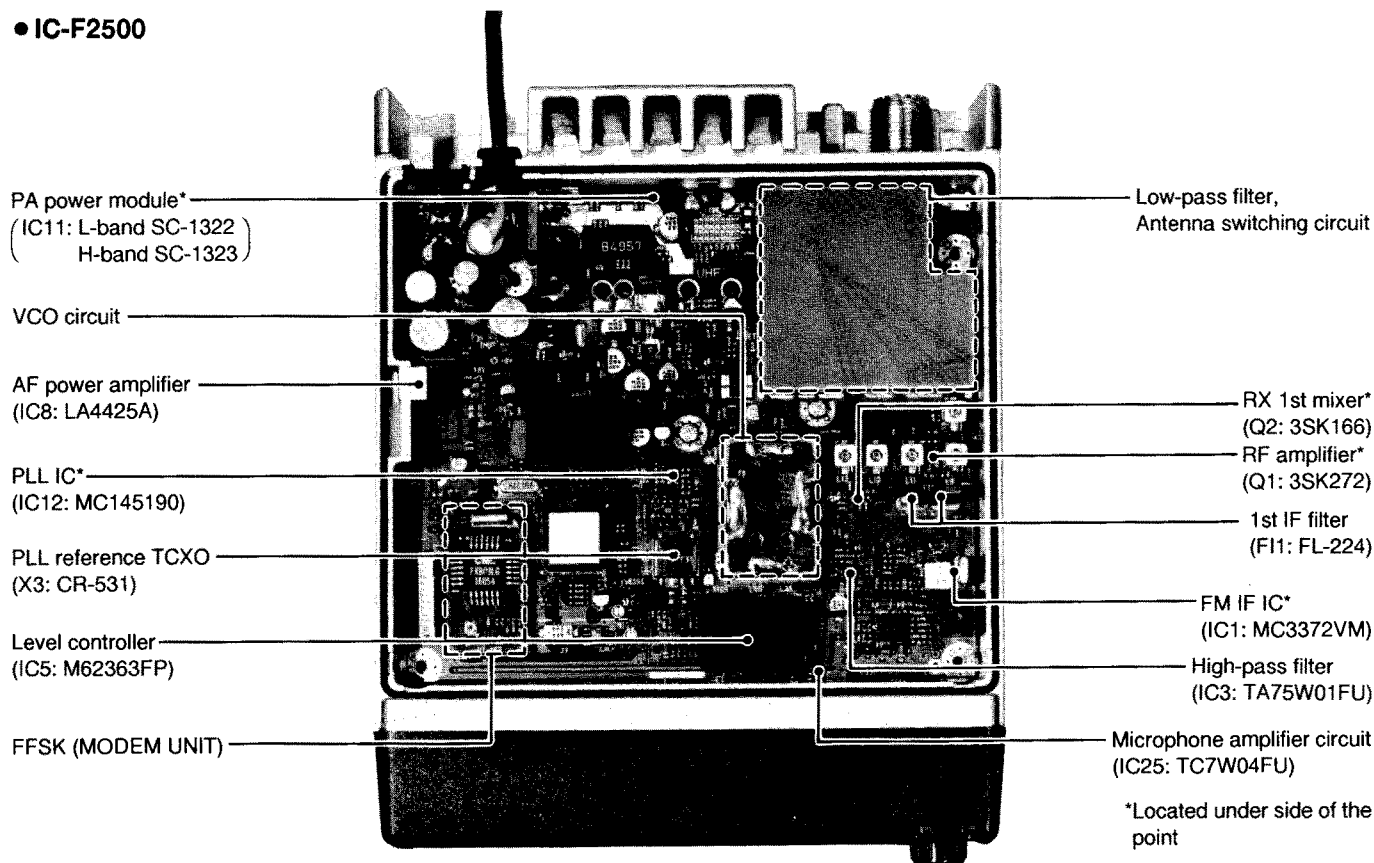
All stated specifications are subject to change without notice or obligation.

## SECTION 2 INSIDE VIEWS

### • IC-F1500



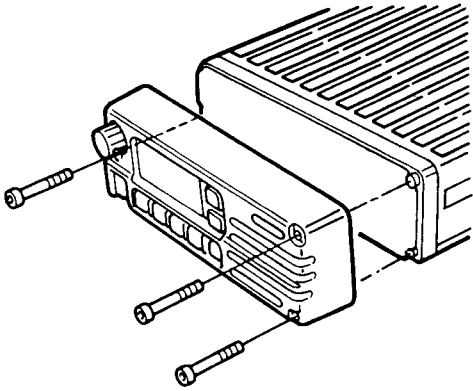
### • IC-F2500



## SECTION 3 DISASSEMBLY INSTRUCTIONS

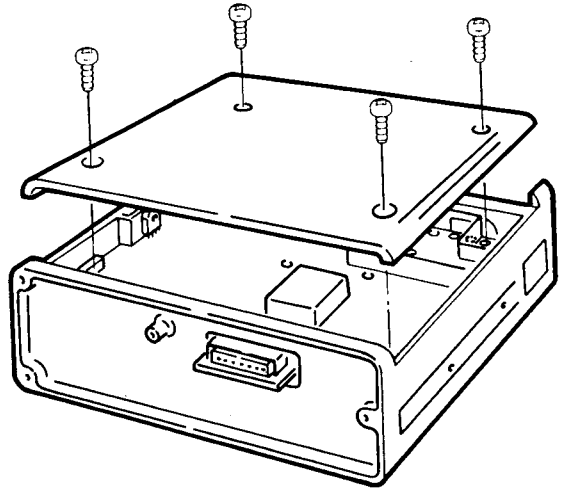
### • SEPARATING THE FRONT UNIT

- ① Unscrew 3 allen-socket bolts from the front plate using an allen-wrench (1/32 in).
- ② Separate the front unit from the transceiver main unit.



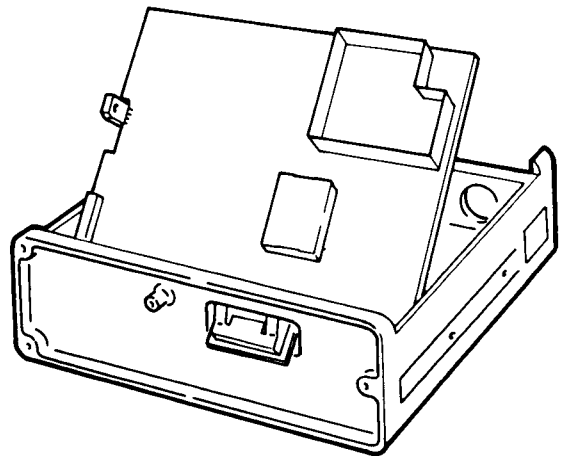
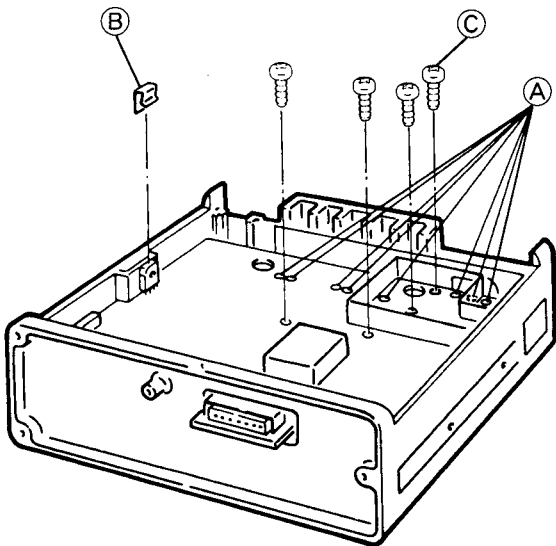
### • OPENING COVER

- ③ Unscrew 4 screws from bottom cover.



### • REMOVING THE MAIN UNIT

- ④ Unsolder 7 points (IC-F1500) or 8 points (IC-F2500) (A).
- ⑤ Remove the clip (B).
- ⑥ Unscrew 4 screws (C).
- ⑦ Remove the MAIN P.C.B from the chassis.



# SECTION 4 CIRCUIT DESCRIPTION

## 4-1 RECEIVER CIRCUITS

### 4-1-1 ANTENNA SWITCHING CIRCUIT

The antenna switching circuit functions as a low-pass filter while receiving and a resonator circuit while transmitting. The circuit does not allow transmit signals to enter receiver circuits. Received signals enter the antenna connector (J1) and pass through the low-pass filter. The filtered signals are passed through the  $\lambda/4$  type antenna switching circuit (D4–D6) and applied to the RF circuit.

### 4-1-2 RF AND 1ST MIXER CIRCUITS

#### • IC-F1500

The 1st mixer circuit converts the received signals to a fixed frequency of the 1st IF signal with the PLL output frequency. By changing the PLL frequency, only the desired frequency will be passed through a pair of crystal filters at the next stage of the 1st mixer.

The signals from the antenna switching circuit are passed through the tunable bandpass filter (D8) and amplified at the RF amplifier (Q1). The amplified signals are again passed through the tunable bandpass filter (D9–D11) and applied to the 1st mixer.

The filtered signals are mixed at the 1st mixer (Q2) with a 1st LO signal coming from the RX VCO circuit to produce the 1st IF signal (21.8 MHz). The 1st IF signal is passed through the matching circuit (L15, L52) and a pair of crystal filters (F11) to suppress out-of-band signals. The filtered signal is amplified at the 1st IF amplifier (Q4) and then applied to the 2nd IF circuit.

#### • IC-F2500

The signals from the antenna switching circuit are applied to the RF amplifier (Q1) via the tunable bandpass filter (D7, D8). The amplified signals are applied to the 1st mixer circuit (Q2) after passing through the tunable bandpass filter (D9–D11).

The applied signals are converted into the 30.875 MHz 1st IF signal at the 1st mixer circuit (Q2), and the 1st IF signal is filtered at the bandpass filter (F11) via the matching circuit (L15, L66).

The filtered signal is then applied to the 2nd IF circuit after being amplified at the IF amplifier (Q4).

### 4-1-3 2ND IF AND DEMODULATOR CIRCUITS

The 2nd mixer circuit converts the 1st IF signal to the 2nd IF signal. A double-conversion superheterodyne system improves the image rejection ratio and obtains stable receiver gain.

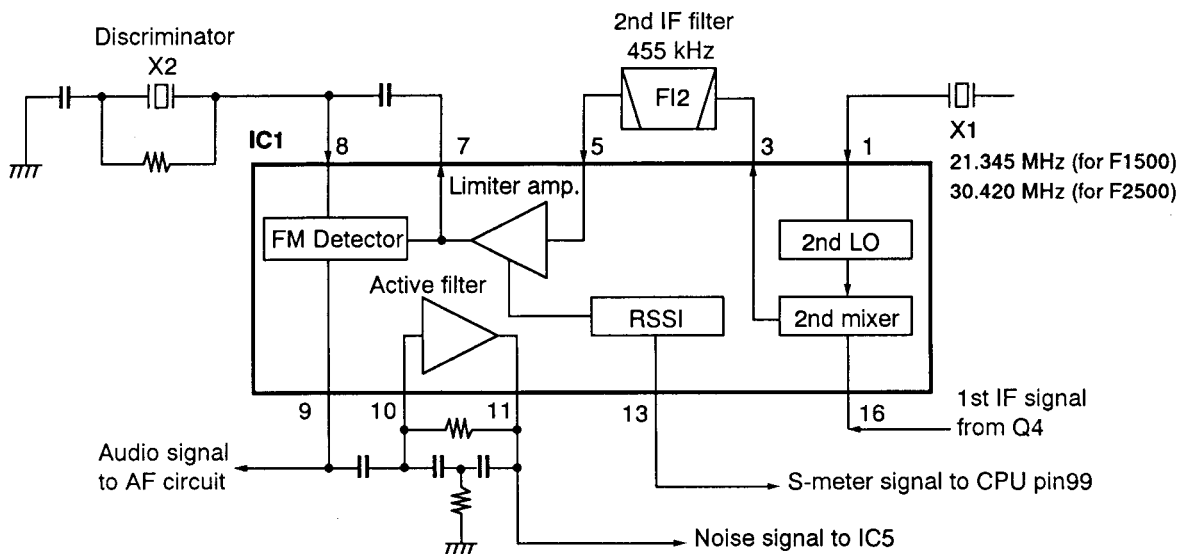
The 1st IF signal from the IF amplifier (Q4) is applied to the 2nd mixer section of the FM IF IC (IC1, pin 16) and is then mixed with the 2nd LO signal for conversion to 455 kHz 2nd IF signal.

The FM IF IC (IC1) contains the 2nd mixer, 2nd local oscillator, limiter amplifier, quadrature detector, active filter and audio amplifier. The local oscillator section generates 21.345 MHz (for F1500) / 30.420 MHz (for F2500) using X1.

The 2nd IF signal from the 2nd mixer (IC1, pin 3) passes through the ceramic filter (F12) to suppress unwanted heterodyned frequency signals. It is then amplified at the limiter amplifier section (IC1, pin 5) and applied to the quadrature detector section (IC1, pins 7, 8 and X2) to demodulate the 2nd IF signal into AF signals.

The AF signals are output from pin 9 and are then applied to the AF circuit.

#### • 2ND IF AND DEMODULATOR CIRCUITS



#### 4-1-4 AF CIRCUIT

AF signals from IC1 (pin 9) are amplified at the AF amplifier (IC2) and are then applied to the high-pass filter (IC3). The characteristics of the high-pass filters are controlled by the "HFSW" signal. When "HFSW" is "High" the cut off frequency is shifted higher to remove CTCSS signals.

The filtered signals from IC3 (pin 1) are passed through the de-emphasis circuit (R68, C74) with frequency characteristics of -6 dB/octave, and are then applied to the electronic volume controller (IC7, pin 2) via the AF mute switch (Q6).

Output signals from IC7 (pin 9) are applied to the AF power amplifier (IC8) to drive the speaker.

#### 4-1-5 RECEIVE MUTE CIRCUITS

##### • NOISE SQUELCH

A squelch circuit cuts out AF signals when no RF signal is received. By detecting noise components in the AF signals, the squelch circuit switches the AF mute switch.

A portion of the AF signals from the FM IF IC (IC1, pin 9) are applied to the active filter section in IC1 (pin 10). Noise components are amplified and output from pin 11 (IC1).

The noise signals from IC1 (pin 11) are passed through a level controller (IC5, pins 21, 22) and are then converted to pulse type signals (NOIS) at the limiter amplifier (Q9, Q10).

The "NOIS" signals from the limiter amplifier (Q9, Q10) are applied to the CPU (IC20, pin 19). The CPU analyzes the signal strength by the number of pulses, and controls the AF switches (Q6, Q7) to cut out AF signals via the "AMUT" and "SP" lines.

##### • CTCSS

A portion of the AF signals from the AF amplifier (IC2) pass through the low-pass filters (IC4a/b) and are then amplified at the tone amplifier (IC28a). The amplified signals are applied to the CPU (IC20, pin 98) to decode the applied CTCSS signal.

##### • MICROPHONE AMPLIFIER CIRCUIT

## 4-2 TRANSMITTER CIRCUITS

### 4-2-1 MICROPHONE AMPLIFIER CIRCUIT

The microphone amplifier circuit amplifies the audio signals with +6 dB/octave pre-emphasis characteristics from the microphone to a level needed for the modulation circuit.

Audio signals from the connected microphone are applied to the MIC switch (IC25) via the FRONT unit and J5 (MAIN unit, pin 10). While transmitting, the MCON signal from the CPU is "High" and the AF signals pass to the microphone amplifier circuit.

The audio signals from the MIC switch (IC25, pin 6) are amplified at the preamplifier (IC21b), and then applied to the HPF amplifier section in IC22 (pin 16).

The amplified signals are pre-emphasized with +6 dB/octave at a limiter amplifier (pins 14, 12), then passed through a splatter filter (pins 7, 8). The output signals from pin 8 (IC22) pass through the level controller (IC5, pins 3, 4) and are then applied to the modulation circuit.

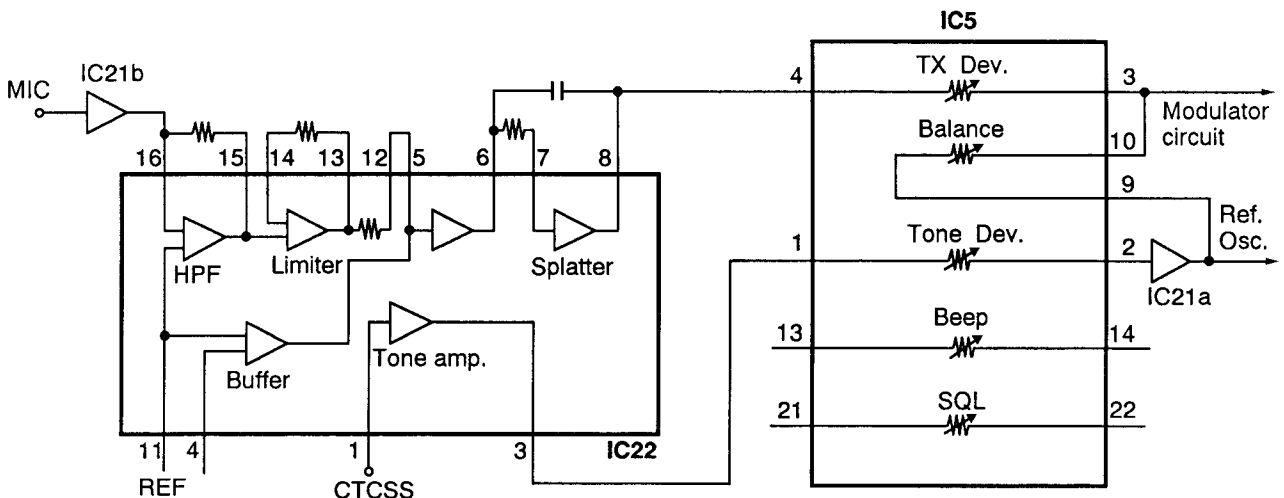
### 4-2-2 MODULATION CIRCUIT

##### • IC-F1500

The modulation circuit modulates the VCO oscillating signal (RF signal) using the microphone audio signals.

The audio signals from the level controller (IC5) are amplified at Q52 and then change the reactance of D23 and D46 to modulate the oscillated signal at the TX VCO circuit (Q23). The modulated signal is amplified at the buffer amplifiers (Q19, Q20) and is then applied to the drive amplifier circuit via the T/R switching circuit (D17).

CTCSS signals from the CPU (IC20, pins 32-35) are applied to the tone amplifier section in IC22 (pin 1). The amplified signals from the tone amplifier (IC22, pin 3) pass through the level controller (IC5, pins 1, 2) and are then applied to the VCO circuit via the low-pass filter circuit (IC21a).





• **IC-F2500**

The audio signals from the level controller (IC5) change the reactance of D23 to modulate the oscillated signal at the TX VCO circuit (Q23). The VCO output is amplified at the buffer amplifiers (Q19, Q20).

CTCSS signals from the CPU (IC20, pins 32–35) pass through the level controller (IC5, pins 1, 2) and are then applied to the VCO or REF circuit via the low-pass filter circuit (IC21a)

**4-2-3 DRIVE / POWER AMPLIFIER CIRCUITS**

• **IC-F1500**

The signal from the buffer amplifier (Q20) is passed through the T/R switching circuit (D17), and amplified by the drivers (Q15–Q17) and the power module (IC11) to obtain 25 W of RF power.

The amplified signal is passed through the antenna switching circuit (D4), low-pass filter and APC detector, and is then applied to the antenna connector.

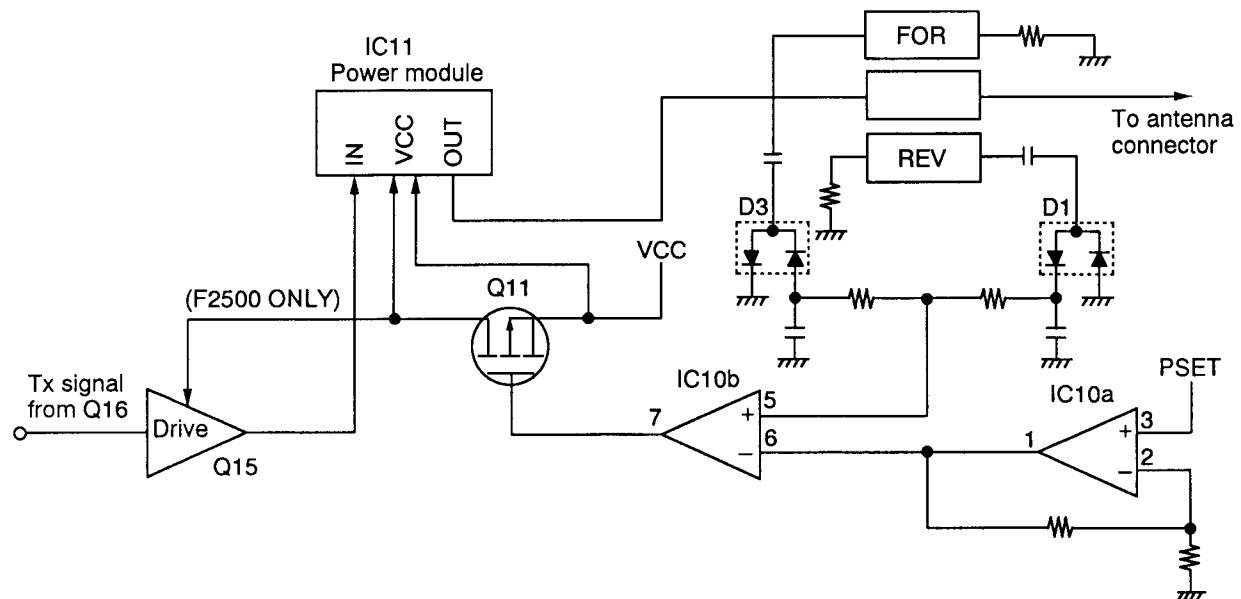
The collector voltages for drivers (Q15, Q16) come from the MT8V regulator circuit (Q38). The transmit mute switch (Q39) controls the MT8V regulator when transmit mute is necessary.

• **IC-F2500**

The driver amplifier (Q15–Q17) and the power module (IC11) amplify the VCO oscillating signal from the T/R switching circuit to obtain 25 W of RF power. The amplified signal is passed through the antenna switching circuit (D4), low-pass filter and APC detector, and is then applied to the antenna connector.

The collector voltages for driver (Q16) come from the MT8V regulator circuit (Q38), and the collector voltages for driver (Q15) and the control voltage for power amplifier (IC11) come from the APC circuit (Q11).

• **APC CIRCUIT**



**4-2-4 APC CIRCUIT**

The APC circuit protects the power module (IC11) and drive amplifier (Q15; IC-F2500 only) from a mismatched output load and stabilizes the output power.

The APC detector circuit detects forward signals and reflection signals at D3 and D1 respectively. The combined voltage is at a minimum level when the antenna impedance is matched at 50 Ω and is increased when it is mismatched.

The detected voltage is applied to the inverse amplifier (IC10b, pin 5), and the power setting voltage (PSET) is applied to the other input (IC10b, pin 6) via the amplifier (IC10a) for reference. When antenna impedance is mismatched, the detected voltage exceeds the power setting voltage. Then the output voltage of the inverse amplifier (IC10b, pin 7) controls the input current of the drive amplifier (Q15; F2500 only) and the power module (IC11) to decrease the output power.

**4-3 PLL CIRCUITS**

**4-3-1 PLL CIRCUIT**

A PLL circuit provides stable oscillation of the transmit frequency and the receive 1st LO frequency. The PLL circuit consists of the PLL IC (IC12), charge pump, loop filter and reference oscillator and employs a pulse swallow counter.

Signals from the VCO through buffer amplifiers (Q18, Q19) are prescaled in the PLL IC (IC12) based on the divided ratio (N-data). The PLL IC detects the out-of-step phase using the reference and outputs it from pin 6 (IC12). The output signal is passed through the charge pump (Q30–Q33) and loop filters (R153/C179, R154/C181), and is then applied to the VCO circuit as the lock voltage.

The accelerator switch (IC13a/b) selects the effective loop filter to accelerate the lock up speed.

The lock voltage is also used for the receiver tunable bandpass filters to match the filter's center frequency to the desired receive frequency. The lock voltage is amplified at the buffer amplifier (Q29) and is then applied to the bandpass filters (D8–D11: F1500, D7–D11: F2500).

### 4-3-2 VCO CIRCUIT

#### • IC-F1500

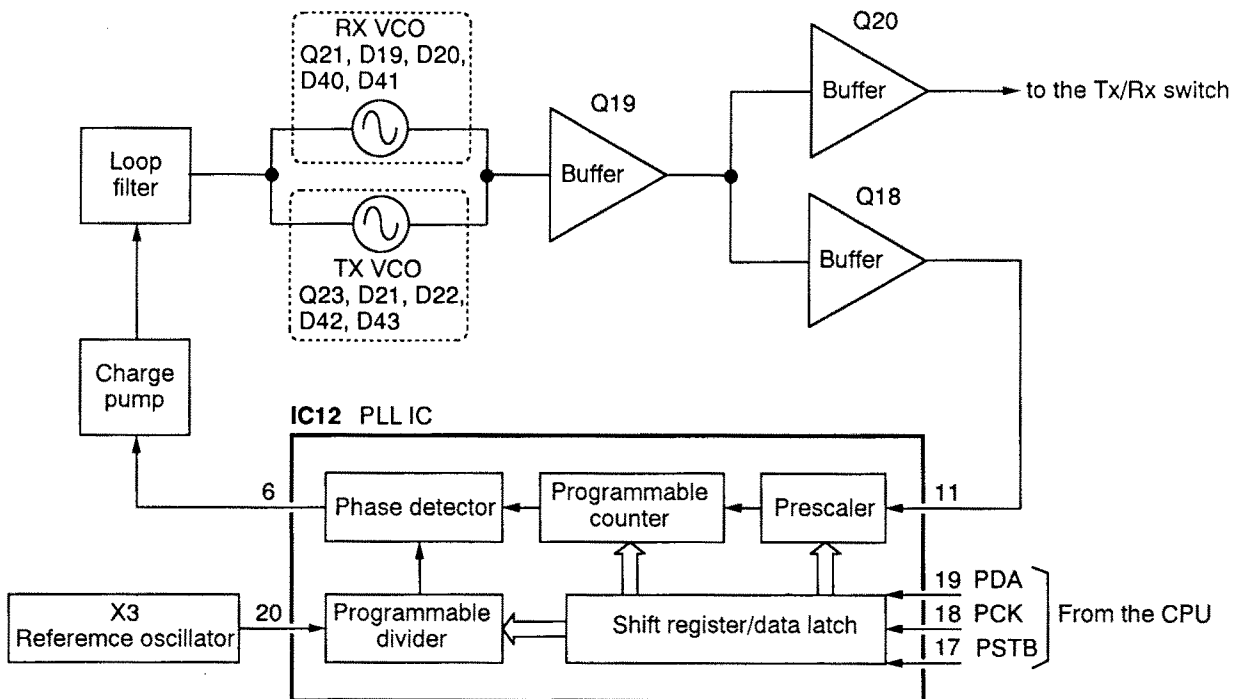
The VCO circuit contains a separate RX VCO (Q21, D19, D20, D40, D41) and TX VCO (Q23, D21, D22, D42, D43). The oscillated signal is amplified at the buffer amplifiers (Q19, Q20) and is then applied to the T/R switching circuit (D17, D18). The signal from the RX VCO circuit is applied to the 1st mixer (Q2) via the LO amplifier (Q3) and the TX VCO signal to the driver (Q17).

A portion of the signal from Q19 is amplified at the buffer amplifier (Q18) and is then fed back to the PLL IC (IC12, pin 11) as the comparison signal.

#### • IC-F2500

The RX VCO consists of Q21, D19 and D20, and the TX VCO consists of Q23, D21 and D22. The oscillated signal is applied to the T/R switching circuit (D17, D18) after being amplified at the buffer amplifier (Q19, Q20).

### • PLL CIRCUIT



## 4-4 POWER SUPPLY CIRCUITS

### 4-4-1 VOLTAGE LINE

LINE	DESCRIPTION
HV	The voltage from the connected power supply.
VCC	The same voltage as the HV line which is controlled by the POWER SW circuit (Q12, Q14).
CPU5V	Common 5 V converted from the HV line by the 5V regulator circuit (IC17). The voltage is supplied to the CPU regardless of the power switch.
+5V	Common 5 V converted from the VCC line by the +5V regulator circuit (Q42, Q43, D30) using the CPU5V line as the reference voltage.
+8V	Common 8 V converted from the VCC line by the +8V regulator circuit (IC16).
R8V	Receive 8 V converted from the VCC line by the R8V regulator circuit (Q36, Q37, D27) using the +8V line as the reference. The voltage is applied to receiver circuit.
T8V	Transmit 8 V converted from the VCC line by the T8V regulator circuit (Q40, Q41, D29) using the +8V line as the reference voltage. The voltage is applied to the buffer amplifier (Q17) and T/R switching circuit (D17).
MT8V	Transmit 8 V converted from the VCC line by the MT8V regulator circuit (Q38, Q39, D28) using the +8V line as the reference. The voltage is applied to the buffer (Q16) and drive (Q15) amplifier.
+18V	Common 18V converted from the +8V line by the +18V DC-DC convertor circuit (IC18, Q44, D32, D33). The voltage is applied to the PLL circuits.

## 4-5 PORT ALLOCATIONS

### 4-5-1 CPU (IC20)

PIN No.	PORT NAME	DESCRIPTION
1	AFV	Input port for the volume control.
11	SHIFT	Outputs CPU clock shift signal.
12	SCK	Outputs clock signal to the MODEM unit.
13	SI	Input port for clock signal from the MODEM unit.
14	SO	Outputs data signal to the MODEM unit.
16, 18	CLI	Input ports for the cloning data.
17	CLO	Output port for the cloning data.
19	NOIS	Noise pulse input port for the squelch control.
21	POSW	Input port for the power switch. Low: Power switch is pushed.
32-35	CTN3-CTN0	Outputs CTCSS signals.
36	PTTO	Outputs PTT control signal to the MODEM unit. Low: While PTT is pushed
39	PTTI	Input port for the PTT control signal from the MODEM unit. Low: While PTT is pushed.
42	ECK	Outputs clock signals to EEPROMs.
43	ESI	Input port for serial data from EEPROMs.
44	ESO	Outputs serial data to EEPROMs.
47	PDA	Outputs serial data to the PLL IC (IC12).
48	PCK	Outputs clock signals to the PLL IC (IC12).
49	UNLK	Input port for the PLL unlock signal. High: PLL unlock
50	PSTB	Outputs a strobe signal to the PLL IC (IC12).
51	PLLT	Output port for a PLL acceleration signal. High: Turbo ON
53	DDA	Outputs serial data to the level controller (IC5).
54	DCK	Outputs clock signals to the level controller (IC5).
55	DSTB	Outputs a strobe signal to the level controller (IC5).
57	SP	Outputs mute switch (Q7) control signal. High: Mute received audio.
58	HFSW	Outputs a selecting signal of RX HPF characteristics. High: Filters out CTCSS frequency
60	TMUT	Outputs Tx mute signal. High: Tx mute
61	HORN	Outputs an external device control signal. High: When matched 2/5-tone signals are received.

PIN No.	PORT NAME	DESCRIPTION
64	DIM	Input port for an external control signal. Low: LCD backlight is dimmed.
65	VTX	Outputs TX VCO and T8V regulator circuits control signal. During TX: Low
66	VRX	Outputs RX VCO and R8V regulator circuits control signal. During RX: Low
67	PWON	Outputs POWER SW circuit control signal. High: During power ON.
79	MCON	Output port for MIC mute control signals. Low: Mute microphone audio
80	AMUT	Outputs mute switch (Q6) control signal. High: Mute receive audio.
90	BEEP	Output port for the beep audio signals.
97	THRM	Input port for the transceiver's internal temperature signal data.
98	CDEC	Input port for CTCSS signals.
99	RSSI	Input port for Rx signal strength level.

# SECTION 5 ADJUSTMENT PROCEDURES

## 5-1 PREPARATION


The transceiver can be adjusted by sending an adjustment command to the cloning terminal via a PC. All adjustments in this section must use conventional channels. The EX-1911 (optional programming software) is necessary to program the frequency data in the conventional channels and to stock the transceiver's original adjustment data.

### ■ REQUIRED ITEMS

The following hardware and software are required for trimmer adjustment:

- IBM PC/AT or PS/2 compatible computer with an RS-232C serial port
- MS-DOS, PC-DOS or IBM DOS ver. 5.02 or higher
- ADJUSTMENT PROGRAM
- JIG CABLE (see illustration at CONNECTIONS)

### ■ ENTERING CONVENTIONAL MODE

- ① Turn the transceiver power OFF.
- ② Connect the transceiver and PC using a jig cable.
- ③ While pushing , turn power ON.

NOTE: For making adjustments without a computer i.e. PLL ADJUSTMENT and RECEIVER ADJUSTMENT, or for returning to trunking mode, use steps ① and ③ only.

### ■ STARTING THE PROGRAM

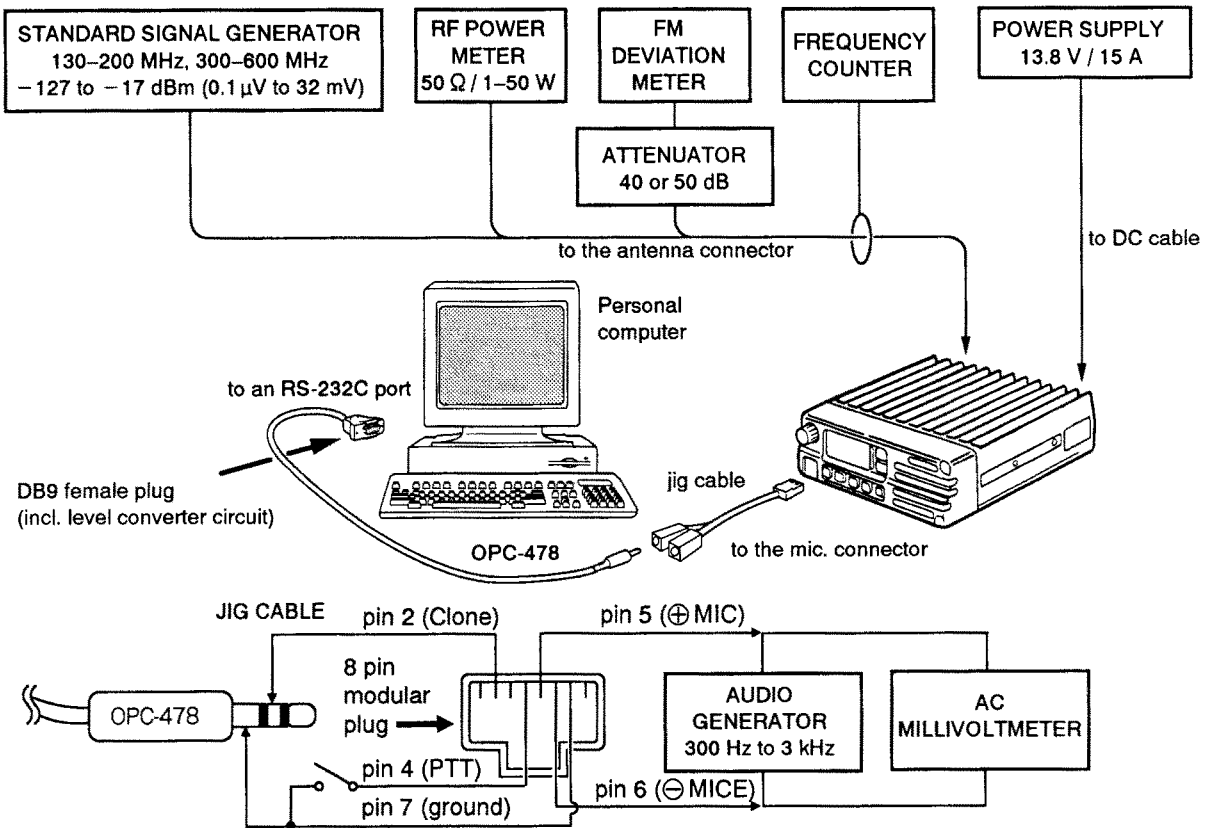
Before using the program, make a copy of the original disk on your hard disk. Operate the program using the hard disk copy for convenience, and keep the original in a safe place.

- ① Boot up DOS.
- ② Type the following to start the adjustment program:  
TRIMMER [Enter]
- ③ Set the cursor to the adjustment item using the [ ↑ ]/[ ↓ ] keys.
- ④ Adjust the item between 0 to 255 using the [ ← ]/[ → ] keys (refer to SECTION 5-4 for IC-F1500, SECTION 5-7 for IC-F2500).

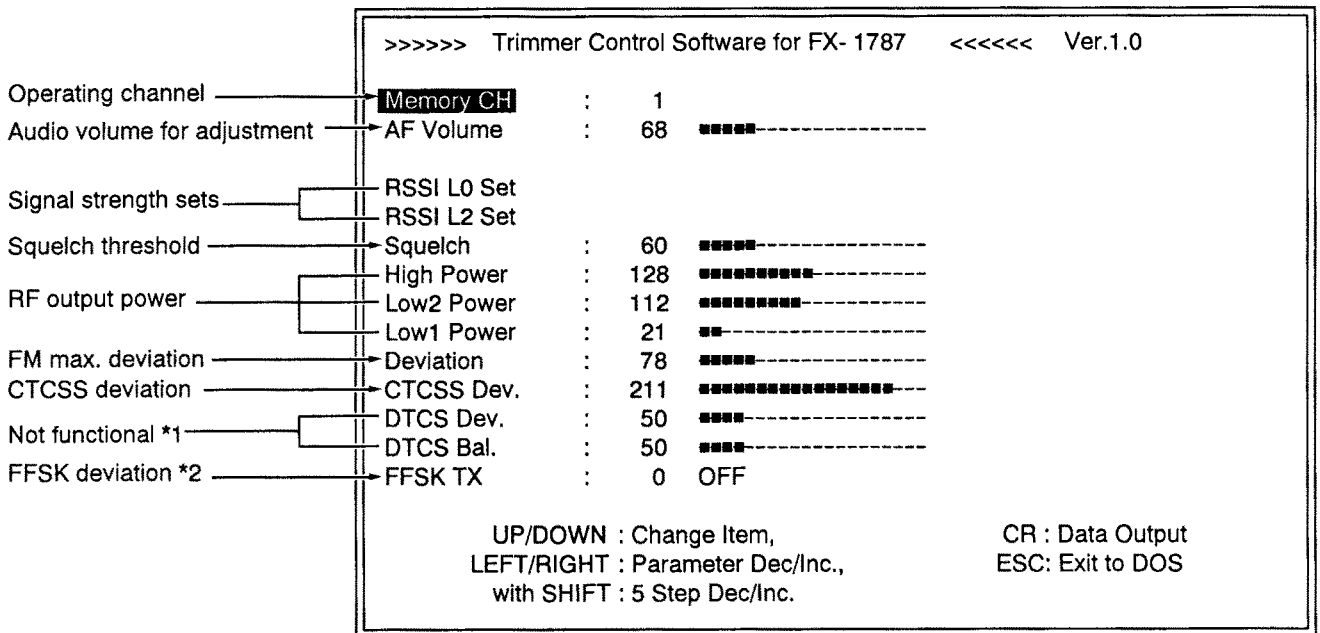
NOTE: The PTT switch is necessary to transmit the transceiver while transmit items, except FFSK TX, are adjusted. (FFSK TX item transmits automatically when pushing the [Space] key.)

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## ■ CONNECTIONS



## ■ PROGRAM SCREEN



Above values are examples only.

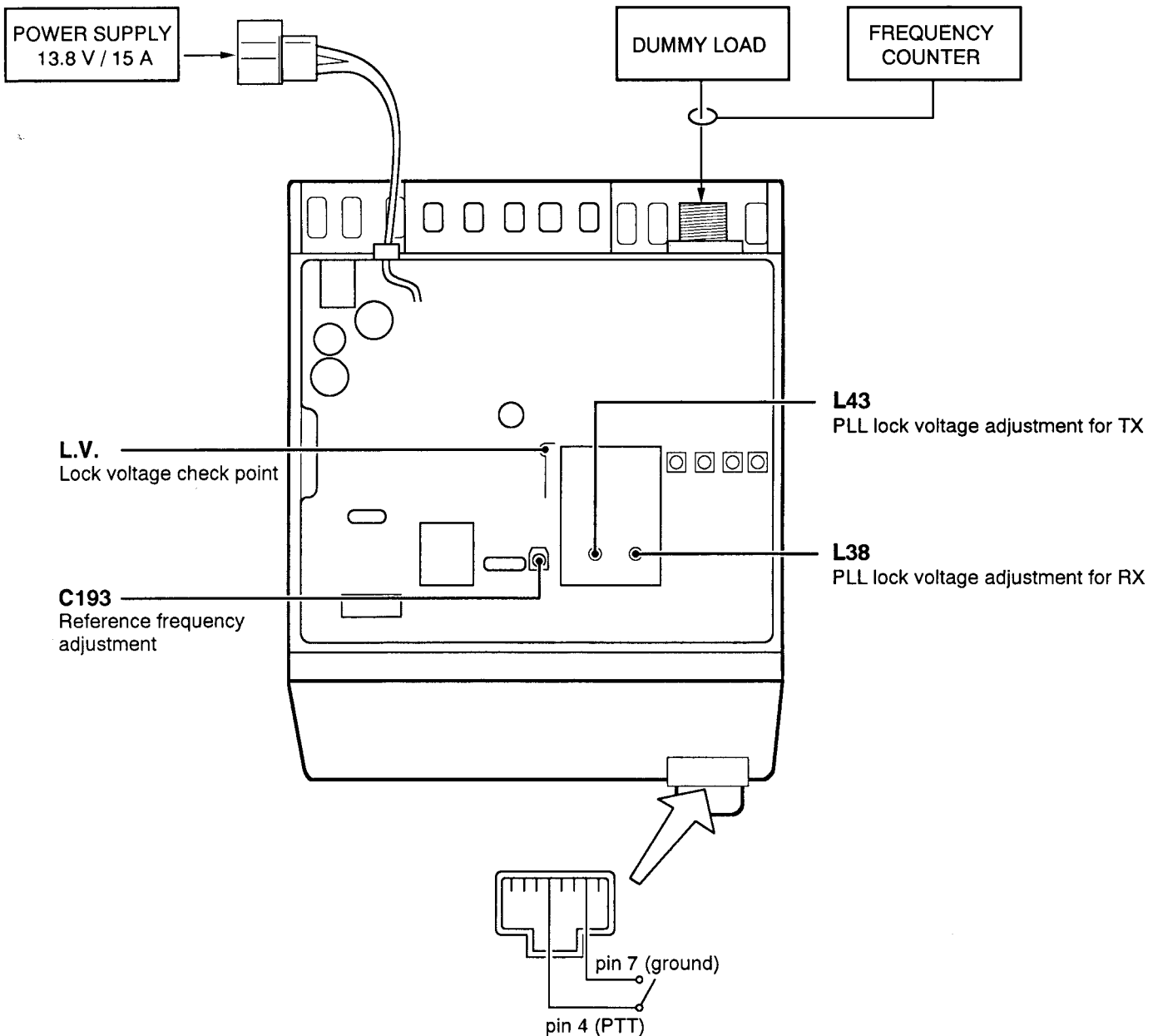
\*1: DTCS Dev./DTCS Bal. are not optional commands for IC-F1500/F2500 and must be fixed to [50], otherwise CTCSS Dev. is affected.

### CAUTION

\*2: Do not set the cursor to FFSK TX when an SSG is connected, because this function transmits without the PTT switch.

## 5-2 IC-F1500 PLL ADJUSTMENT

ADJUSTMENT	ADJUSTMENT CONDITIONS		MEASUREMENT		VALUE	ADJUSTMENT POINT	
			UNIT	LOCATION		UNIT	ADJUST
PLL LOCK VOLTAGE	1	<ul style="list-style-type: none"> <li>Operating frequency: 136.000 MHz</li> <li>Receiving</li> </ul>	MAIN	Connect the digital multimeter or oscilloscope to the check point "LV."	3.0 V	MAIN	L38
	2	<ul style="list-style-type: none"> <li>Transmitting</li> </ul>					L43
	3	<ul style="list-style-type: none"> <li>Operating frequency: 174.000 MHz</li> <li>Receiving</li> </ul>			12 ± 2 V		Verify
	4	<ul style="list-style-type: none"> <li>Transmitting</li> </ul>					
PLL REFERENCE FREQUENCY	1	<ul style="list-style-type: none"> <li>Operating frequency: 174.000 MHz</li> <li>Transmitting</li> </ul>	REAR	Loosely couple the frequency counter to the antenna connector.	174.0000 MHz	MAIN	C193

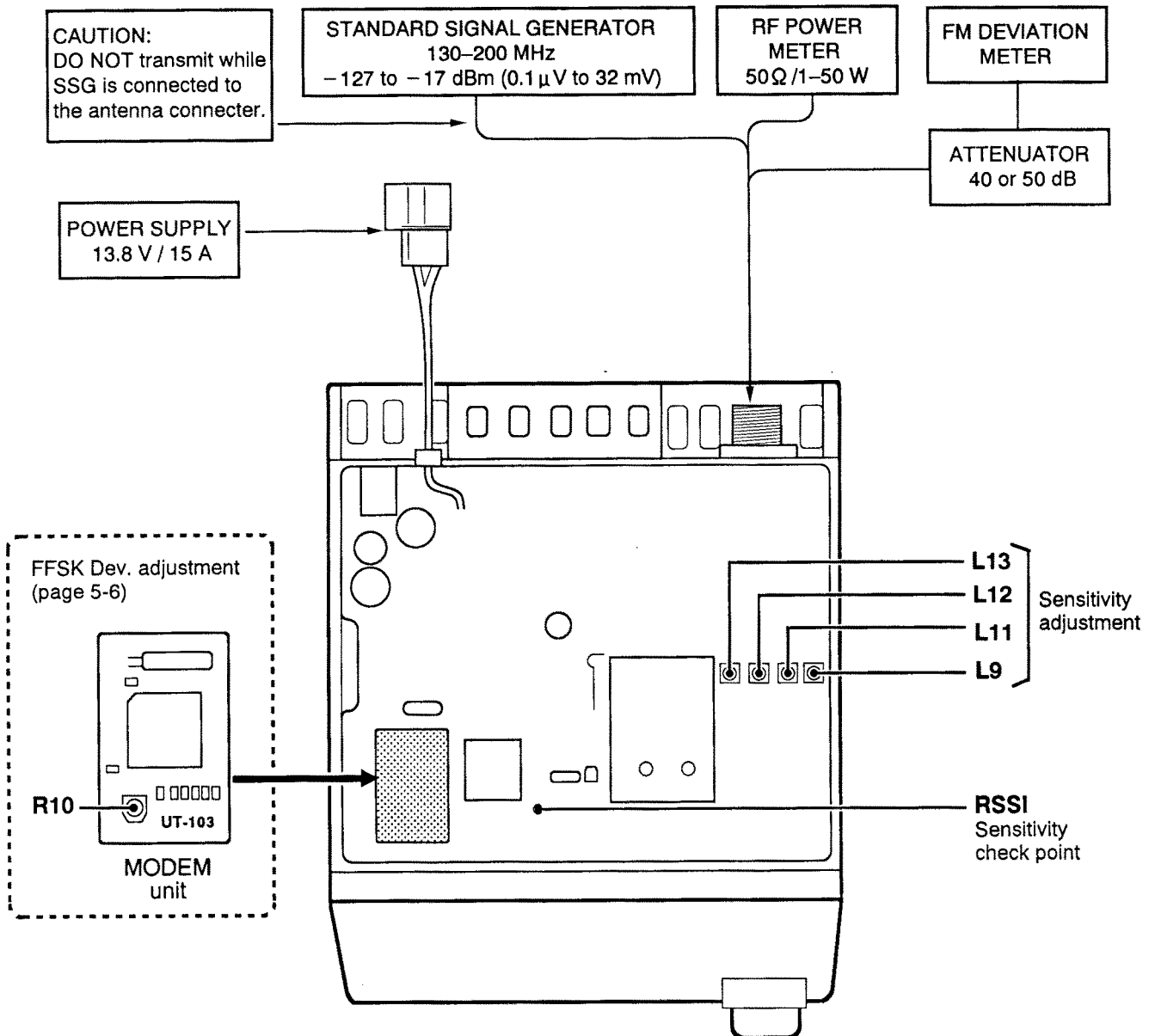


## 5-3 IC-F1500 RECEIVER ADJUSTMENT

NOTE: When receiver sensitivity adjustment is changed, RSSI L0/L2 must be reset.

ADJUSTMENT	ADJUSTMENT CONDITIONS	MEASUREMENT		VALUE	ADJUSTMENT POINT	
		UNIT	LOCATION		UNIT	ADJUST
RECEIVER SENSITIVITY	1 <ul style="list-style-type: none"> <li>Operating frequency: 136.000 MHz</li> <li>Connect the SSG to the antenna connector and set as:               <ul style="list-style-type: none"> <li>Level : 5.6 <math>\mu\text{V}^*</math> (-92 dBm)</li> <li>Modulation: 1 kHz</li> <li>Deviation : <math>\pm 3.5</math> kHz [25 kHz type]</li> <li><math>\pm 1.75</math> kHz [12.5 kHz type]</li> </ul> </li> <li>Connect a 4 <math>\Omega</math> load to the external speaker jack.</li> <li>Receiving</li> </ul>	MAIN	Connect the analog tester or oscilloscope to the check point "RSSI".	Maximum voltage	MAIN	Adjust in sequence L9, L11, L12, L13

\* This output level of the standard signal generator (SSG) is indicated as SSG's open circuit.



## 5-4 IC-F1500 TRIMMER ADJUSTMENT

NOTE: RSSI L0/L2 must be set after "RECEIVER SENSITIVITY" in section 5-3.

ADJUSTMENT	ADJUSTMENT CONDITIONS	MEASUREMENT	VALUE	OPERATION
RSSI L0/L2	1 <ul style="list-style-type: none"> <li>Operating frequency:               <ul style="list-style-type: none"> <li>136.000 MHz [L-band]</li> <li>146.000 MHz [H-band]</li> </ul> </li> <li>Connect the SSG to the antenna connector and set as:               <ul style="list-style-type: none"> <li>Level : 0.45 <math>\mu</math>V* ( -114 dBm)</li> <li>Modulation: 1 kHz</li> <li>Deviation : <math>\pm</math>3.5 kHz [25 kHz type]</li> <li><math>\pm</math>1.75 kHz [12.5 kHz type]</li> </ul> </li> <li>Set the cursor to "RSSI L0 Set" on the screen of the connected computer.</li> <li>Receiving</li> </ul>			Push [Enter] on the computer keyboard.
	2 <ul style="list-style-type: none"> <li>Level : 14 <math>\mu</math>V* ( -84 dBm)</li> <li>Set the cursor to "RSSI L2 Set" on the screen of the connected computer.</li> <li>Receiving</li> </ul>			
SQUELCH	1 <ul style="list-style-type: none"> <li>Operating frequency:               <ul style="list-style-type: none"> <li>136.000 MHz [L-band]</li> <li>146.000 MHz [H-band]</li> </ul> </li> <li>Connect the SSG to the antenna connector and set as:               <ul style="list-style-type: none"> <li>Level : ANY</li> <li>Modulation: 1 kHz</li> <li>Deviation : <math>\pm</math>3.5 kHz [25 kHz type]</li> <li><math>\pm</math>1.75 kHz [12.5 kHz type]</li> </ul> </li> <li>Receiving</li> </ul>	Connect the SINAD meter to the external speaker jack with a 4 $\Omega$ load.	8 dB SINAD	SSG's output level.
	2 <ul style="list-style-type: none"> <li>Set the cursor to "Squelch" on the screen of the connected computer.</li> <li>Receiving</li> </ul>	Connected speaker	At the point where the audio noise just appears.	[ $\leftarrow$ ]/[ $\rightarrow$ ] on the computer keyboard.
	3 <ul style="list-style-type: none"> <li>Level : 1mV* ( -47 dBm)</li> <li>Turn SSG output OFF.</li> <li>Receiving</li> </ul>		Squelch delay is less than 1 sec.	Verify
OUTPUT POWER	1 <ul style="list-style-type: none"> <li>Operating frequency:               <ul style="list-style-type: none"> <li>155.000 MHz [L-band]</li> <li>174.000 MHz [H-band]</li> </ul> </li> <li>Output power set : High</li> <li>Set the cursor to "High Power" on the screen of the connected computer.</li> <li>Transmitting</li> </ul>	Connect the RF power meter to the antenna connector.	23 W	[ $\leftarrow$ ]/[ $\rightarrow$ ] on the computer keyboard.
	2 <ul style="list-style-type: none"> <li>Output power set : Low2</li> <li>Set the cursor to "Low2 Power" on the screen of the connected computer.</li> <li>Transmitting</li> </ul>		10 W	
	3 <ul style="list-style-type: none"> <li>Output power set : Low1</li> <li>Set the cursor to "Low1 Power" on the screen of the connected computer.</li> <li>Transmitting</li> </ul>		5 W	
NOTE: Each power adjustment must be adjusted on the proper channel (High/Low2/Low1), otherwise test equipment readings for the power will be misreading.				

\* This output level of the standard signal generator (SSG) is indicated as SSG's open circuit.

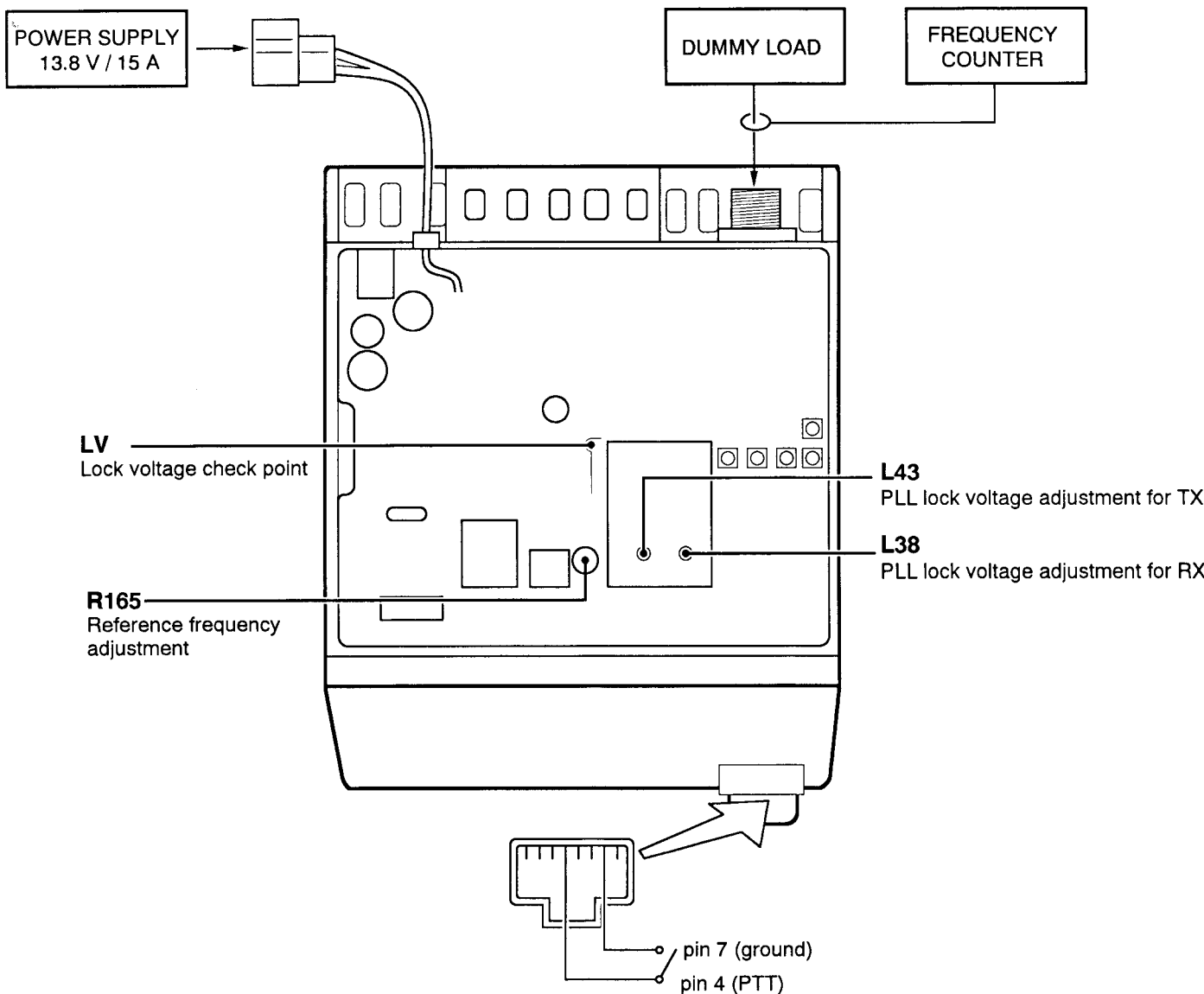


## IC-F1500 TRIMMER ADJUSTMENT (CONTINUED)

ADJUSTMENT	ADJUSTMENT CONDITIONS	MEASUREMENT	VALUE	OPERATION
FM DEVIATION	1 <ul style="list-style-type: none"> <li>• Operating frequency: 136.000 MHz [L-band] 146.000 MHz [H-band]</li> <li>• Apply an AF signal to the [MIC] jack: 1 kHz / 35 mV</li> <li>• Connect the FM deviation meter to the antenna connector and set as: HPF : OFF LPF : 20 kHz De-emphasis: OFF Detector : (P - P)/2</li> <li>• Set the cursor to "Deviation" on the screen of the connected computer.</li> <li>• Transmitting</li> </ul>	Connect the FM deviation meter to the antenna connector through the attenuator.	$\pm 4.2$ kHz [25 kHz type]  $\pm 2.1$ kHz [12.5 kHz type]	[←]/[→] on the computer keyboard.
CTCSS DEVIATION	1 <ul style="list-style-type: none"> <li>• Operating frequency: 136.000 MHz [L-band] 146.000 MHz [H-band]</li> <li>• No signal applied to the [MIC] jack.</li> <li>• Tone frequency : 67.0 Hz</li> <li>• Set the cursor to "CTCSS Dev." on the screen of the connected computer.</li> <li>• Transmitting</li> </ul>	Connect the FM deviation meter to the antenna connector through the attenuator.	$\pm 0.5$ kHz [25 kHz type]  $\pm 0.3$ kHz [12.5 kHz type]	[←]/[→] on the computer keyboard.
FFSK DEVIATION	1 <ul style="list-style-type: none"> <li>• Operating frequency: 136.000 MHz [L-band] 146.000 MHz [H-band]</li> <li>• No signal applied to the [MIC] jack.</li> <li>• Connect the FM deviation meter to the antenna connector and set as: HPF : OFF LPF : 20 kHz De-emphasis: OFF Detector : (P - P)/2</li> <li>• Set the cursor to "FFSK TX" on the screen of the connected computer.</li> <li>• Push the [Space] key on the computer keyboard to transmit.</li> </ul>	Connect the FM deviation meter to the antenna connector through the attenuator.	$\pm 3.0$ kHz [25 kHz type]  $\pm 1.5$ kHz [12.5 kHz type]	R10 (MODEM unit) see page 5-4

## 5-5 IC-F2500 PLL ADJUSTMENT

ADJUSTMENT	ADJUSTMENT CONDITIONS	MEASUREMENT		VALUE	ADJUSTMENT POINT	
		UNIT	LOCATION		UNIT	ADJUST
PLL LOCK VOLTAGE	1 <ul style="list-style-type: none"> <li>• Operating frequency: 390.000 MHz [L-band] 440.000 MHz [H-band]</li> <li>• Receiving</li> </ul>	MAIN	Connect the digital multi-meter or oscilloscope to the check point "LV."	2.0 V	MAIN	L38
	2 <ul style="list-style-type: none"> <li>• Transmitting</li> </ul>					L43
	3 <ul style="list-style-type: none"> <li>• Operating frequency: 430.000 MHz [L-band] 470.000 MHz [H-band]</li> <li>• Receiving</li> </ul>			10 ± 3 V		Verify
	4 <ul style="list-style-type: none"> <li>• Transmitting</li> </ul>					
PLL REFERENCE FREQUENCY	1 <ul style="list-style-type: none"> <li>• Operating frequency : 430.000 MHz [L-band] 470.000 MHz [H-band]</li> <li>• Transmitting</li> </ul>	REAR	Loosely couple the frequency counter to the antenna connector.	430.0000 MHz [L-band] 470.0000 MHz [H-band]	MAIN	R165

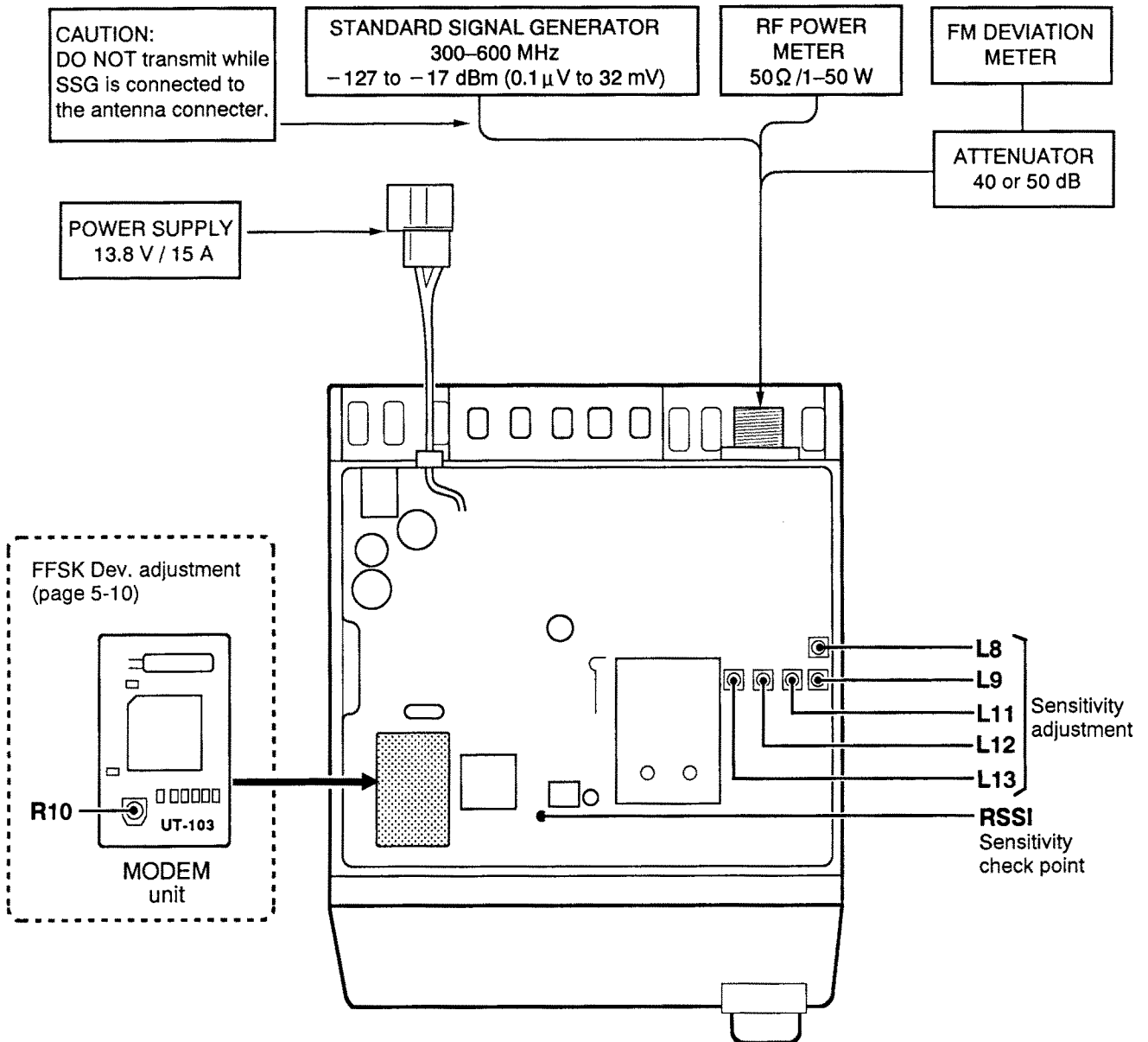


## 5-6 IC-F2500 RECEIVER ADJUSTMENT

NOTE: When receiver sensitivity adjustment is changed, RSSI L0/L2 must be reset.

ADJUSTMENT	ADJUSTMENT CONDITIONS	MEASUREMENT		VALUE	ADJUSTMENT POINT	
		UNIT	LOCATION		UNIT	ADJUST
RECEIVER SENSITIVITY	1 <ul style="list-style-type: none"> <li>Operating frequency : 400.000 MHz [L-band] 440.000 MHz [H-band]</li> <li>Connect the SSG to the antenna connector and set as: Level : 5.6 <math>\mu\text{V}^*</math> (-92 dBm) Modulation: 1 kHz Deviation : <math>\pm 3.5</math> kHz [25 kHz type] <math>\pm 1.75</math> kHz [12.5 kHz type]</li> <li>Connect a 4 <math>\Omega</math> load to the external speaker jack.</li> <li>Receiving</li> </ul>	MAIN	Connect the analog tester or oscilloscope to the check point "RSSI".	Maximum voltage	MAIN	Adjust in sequence L8, L9, L11, L12, L13

\* This output level of the standard signal generator (SSG) is indicated as SSG's open circuit.



## 5-7 IC-F2500 TRIMMER ADJUSTMENT

NOTE: RSSI L0/L2 must be set after "RECEIVER SENSITIVITY" in section 5-6.

ADJUSTMENT	ADJUSTMENT CONDITIONS	MEASUREMENT	VALUE	OPERATION
RSSI L0/L2	1 <ul style="list-style-type: none"> <li>Operating frequency: 400.000 MHz [L-band] 440.000 MHz [H-band]</li> <li>Connect the SSG to the antenna connector and set as: Level : 0.45 <math>\mu</math>V* ( - 114 dBm) Modulation: 1 kHz Deviation : <math>\pm</math> 3.5 kHz [25 kHz type] <math>\pm</math> 1.75 kHz [12.5 kHz type]</li> <li>Set the cursor to "RSSI L0 Set" on the screen of the connected computer.</li> <li>Receiving</li> </ul>			Push [Enter] on the computer keyboard.
	2 <ul style="list-style-type: none"> <li>Level : 14 <math>\mu</math>V* ( - 84 dBm)</li> <li>Set the cursor to "RSSI L2 Set" on the screen of the connected computer.</li> <li>Receiving</li> </ul>			
SQUELCH	1 <ul style="list-style-type: none"> <li>Operating frequency: 400.000 MHz [L-band] 440.000 MHz [H-band]</li> <li>Connect the SSG to the antenna connector and set as: Level : ANY Modulation: 1 kHz Deviation : <math>\pm</math> 3.5 kHz [25 kHz type] <math>\pm</math> 1.75 kHz [12.5 kHz type]</li> <li>Receiving</li> </ul>	Connect the SINAD meter to the external speaker jack with a 4 $\Omega$ load.	8 dB SINAD	SSG's output level.
	2 <ul style="list-style-type: none"> <li>Set the cursor to "Squelch" on the screen of the connected computer.</li> <li>Receiving</li> </ul>	Connected speaker	At the point where the audio noise just appears.	[ ← ]/[ → ] on the computer keyboard.
	3 <ul style="list-style-type: none"> <li>Level : 1mV* ( - 47 dBm)</li> <li>Turn SSG output OFF.</li> <li>Receiving</li> </ul>		Squelch delay is less than 1 sec.	Verify
OUTPUT POWER	1 <ul style="list-style-type: none"> <li>Operating frequency: 400.000 MHz [L- band] 440.000 MHz [H- band]</li> <li>Output power set : High</li> <li>Set the cursor to "High Power" on the screen of the connected computer.</li> <li>Transmitting</li> </ul>	Connect the RF power meter to the antenna connector.	24 W	[ ← ]/[ → ] on the computer keyboard.
	2 <ul style="list-style-type: none"> <li>Output power set : Low2</li> <li>Set the cursor to "Low2 Power" on the screen of the connected computer.</li> <li>Transmitting</li> </ul>		10 W	
	3 <ul style="list-style-type: none"> <li>Output power set : Low1</li> <li>Set the cursor to "Low1 Power" on the screen of the connected computer.</li> <li>Transmitting</li> </ul>		5 W	
NOTE: Each power adjustment must be adjusted on the proper channel (High/Low2/Low1), otherwise test equipment readings for the power will be misreading.				

\* This output level of the standard signal generator (SSG) is indicated as SSG's open circuit.

## IC-F2500 TRIMMER ADJUSTMENT (CONTINUED)

ADJUSTMENT	ADJUSTMENT CONDITIONS	MEASUREMENT	VALUE	OPERATION
FM DEVIATION	<p>1</p> <ul style="list-style-type: none"> <li>• Operating frequency: 400.000 MHz [L-band] 490.000 MHz [H-band]</li> <li>• Apply an AF signal to the [MIC] jack: 1 kHz / 35 mV</li> <li>• Connect the FM deviation meter to the antenna connector and set as: HPF : OFF LPF : 20 kHz De-emphasis: OFF Detector : (P - P)/2</li> <li>• Set the cursor to "Deviation" on the screen of the connected computer.</li> <li>• Transmitting</li> </ul>	<p>Connect the FM deviation meter to the antenna connector through the attenuator.</p>	<p><math>\pm 4.1</math> kHz [25 kHz type]</p> <p><math>\pm 2.1</math> kHz [12.5 kHz type]</p>	<p>[←]/[→] on the computer keyboard.</p>
CTCSS DEVIATION	<p>1</p> <ul style="list-style-type: none"> <li>• Operating frequency: 415.000 MHz [L-band] 465.000 MHz [H-band]</li> <li>• No signal applied to the [MIC] jack.</li> <li>• Tone frequency : 67.0 Hz</li> <li>• Set the cursor to "CTCSS Dev." on the screen of the connected computer.</li> <li>• Transmitting</li> </ul>	<p>Connect the FM deviation meter to the antenna connector through the attenuator.</p>	<p><math>\pm 0.5</math> kHz [25 kHz type]</p> <p><math>\pm 0.3</math> kHz [12.5 kHz type]</p>	<p>[←]/[→] on the computer keyboard.</p>
FFSK DEVIATION	<p>1</p> <ul style="list-style-type: none"> <li>• Operating frequency: 400.000 MHz [L-band] 490.000 MHz [H-band]</li> <li>• No signal applied to the [MIC] jack.</li> <li>• Connect the FM deviation meter to the antenna connector and set as: HPF : OFF LPF : 20 kHz De-emphasis: OFF Detector : (P - P)/2</li> <li>• Set the cursor to the "FFSK TX" on the screen of the connected computer.</li> <li>• Push the [Space] key on the computer keyboard to transmit.</li> </ul>	<p>Connect the FM deviation meter to the antenna connector through the attenuator.</p>	<p><math>\pm 3.0</math> kHz [25 kHz type]</p> <p><math>\pm 1.5</math> kHz [12.5 kHz type]</p>	<p>R10 (MODEM unit) see page 5-8</p>

# SECTION 6 PARTS LIST

## [FRONT UNIT]

REF. NO.	ORDER NO.	DESCRIPTION	
IC1	1140006300	S.IC	HD404812E85H
IC3	1110001550	S.IC	S-8054ALB-LM-T1
IC4	1110003390	S.IC	AN8005M-(E1)
Q1	1590001330	S.TRANSISTOR	DTA114EU T107
Q2	1590000680	S.TRANSISTOR	DTC114EU T107
Q3	1590000680	S.TRANSISTOR	DTC114EU T107
Q4	1590000680	S.TRANSISTOR	DTC114EU T107
Q5	1530002060	S.TRANSISTOR	2SC4081 T107 R
Q6	1590001330	S.TRANSISTOR	DTA114EU T107
D1	1750000390	S.DIODE	1SS353 TE-17
D2	1750000390	S.DIODE	1SS353 TE-17
D3	1750000130	S.DIODE	DA204U T107
D4	1750000130	S.DIODE	DA204U T107
D5	1750000390	S.DIODE	1SS353 TE-17
X1	6060000600	S.CERAMIC	PBRC 3.68 AR
L1	6200003960	S.COIL	MLF1608A 1R0K-T
L3	6200003540	S.COIL	MLF1608D R22K-T
R1	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R3	7030003550	S.RESISTOR	ERJ3GEYJ 822 V (8.2 kΩ)
R4	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R5	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R6	7030003660	S.RESISTOR	ERJ3GEYJ 683 V (68 kΩ)
R7	7030003630	S.RESISTOR	ERJ3GEYJ 393 V (39 kΩ)
R10	7030003350	S.RESISTOR	ERJ3GEYJ 181 V (180 Ω)
R11	7030003350	S.RESISTOR	ERJ3GEYJ 181 V (180 Ω)
R13	7030003800	S.RESISTOR	ERJ3GEYJ 105 V (1 MΩ)
R14	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R15	7030003630	S.RESISTOR	ERJ3GEYJ 393 V (39 kΩ)
R16	7030003590	S.RESISTOR	ERJ3GEYJ 183 V (18 kΩ)
R17	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R18	7030003240	S.RESISTOR	ERJ3GEYJ 220 V (22 Ω)
R20	7210002830	VARIABLE	EVU-F2JFK4 B14
R21	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R22	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R26	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R27	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R28	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R29	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R30	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R31	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R32	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R40	7030000310	S.RESISTOR	MCR10EZJH 270 Ω (271)
R41	7030003610	S.RESISTOR	ERJ3GEYJ 273 V (27 kΩ)
R42	7030003570	S.RESISTOR	ERJ3GEYJ 123 V (12 kΩ)
R43	7030003520	S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ)
R44	7030003480	S.RESISTOR	ERJ3GEYJ 222 V (2.2 kΩ)
R45	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)
R46	7030003660	S.RESISTOR	ERJ3GEYJ 683 V (68 kΩ)
R47	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)
R48	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)
R49	7030003610	S.RESISTOR	ERJ3GEYJ 273 V (27 kΩ)
R50	7510000200	S.THERMISTOR	TN20-3U473LT
R51	7030003660	S.RESISTOR	ERJ3GEYJ 683 V (68 kΩ)
R52	7030003500	S.RESISTOR	ERJ3GEYJ 332 V (3.3 kΩ)
R53	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R54	7030003390	S.RESISTOR	ERJ3GEYJ 391 V (390 Ω)
R55	7030003390	S.RESISTOR	ERJ3GEYJ 391 V (390 Ω)
C3	4030008630	S.CERAMIC	C1808 JF 1C 104Z-T-A
C4	4030008630	S.CERAMIC	C1808 JF 1C 104Z-T-A

## [FRONT UNIT]

REF. NO.	ORDER NO.	DESCRIPTION	
C5	4030008630	S.CERAMIC	C1808 JF 1C 104Z-T-A
C6	4030008560	S.CERAMIC	C1808 CH 1H 300J-T-A
C7	4030008560	S.CERAMIC	C1808 CH 1H 300J-T-A
C8	4550002890	S.TANTALUM	TESVA 1A 225M1-8L
C9	4030008630	S.CERAMIC	C1808 JF 1C 104Z-T-A
C10	4510004440	S.ELECTROLYTIC	ECEV1HA010SR
C11	4030008630	S.CERAMIC	C1808 JF 1C 104Z-T-A
C12	4030008630	S.CERAMIC	C1808 JF 1C 104Z-T-A
C13	4550008250	S.TANTALUM	TEMSVA 1A 106M-8L
C15	4030008630	S.CERAMIC	C1808 JF 1C 104Z-T-A
C16	4030008630	S.CERAMIC	C1808 JF 1C 104Z-T-A
C18	4030010740	S.CERAMIC	C1808 JB 1A 104K-T-A
C19	4030008900	S.CERAMIC	C1808 JB 1E 103K-T-A
C20	4030007090	S.CERAMIC	C1808 CH 1H 470J-T-A
C21	4030007090	S.CERAMIC	C1808 CH 1H 470J-T-A
C22	4030007090	S.CERAMIC	C1808 CH 1H 470J-T-A
C23	4030007090	S.CERAMIC	C1808 CH 1H 470J-T-A
C24	4030007090	S.CERAMIC	C1808 CH 1H 470J-T-A
C25	4030007090	S.CERAMIC	C1808 CH 1H 470J-T-A
C26	4030007090	S.CERAMIC	C1808 CH 1H 470J-T-A
C27	4030007090	S.CERAMIC	C1808 CH 1H 470J-T-A
C28	4030007090	S.CERAMIC	C1808 CH 1H 470J-T-A
C30	4030007090	S.CERAMIC	C1808 CH 1H 470J-T-A
C31	4030007090	S.CERAMIC	C1808 CH 1H 470J-T-A
C32	4030007090	S.CERAMIC	C1808 CH 1H 470J-T-A
C33	4030008850	S.CERAMIC	C1808 JB 1H 471K-T-A
C34	4030007090	S.CERAMIC	C1808 CH 1H 470J-T-A
C35	4030007090	S.CERAMIC	C1808 CH 1H 470J-T-A
DS1	5030001430	LCD	LD-BU4583E
DS2	5040002030	S.LED	CL-170Y-CD-T
DS3	5040002030	S.LED	CL-170Y-CD-T
DS4	5040002030	S.LED	CL-170Y-CD-T
DS5	5040002030	S.LED	CL-170Y-CD-T
DS6	5040002030	S.LED	CL-170Y-CD-T
DS7	5040002030	S.LED	CL-170Y-CD-T
DS8	5040002030	S.LED	CL-170Y-CD-T
DS9	5040002030	S.LED	CL-170Y-CD-T
DS10	5040002030	S.LED	CL-170Y-CD-T
DS11	5040002030	S.LED	CL-170Y-CD-T
J1	6510018030	S.CONNECTOR	53248-1217
J2	6450001470	CONNECTOR	95003-2881
W1	7120000380	JUMPER	JPW 01 R-01
W2	7120000380	JUMPER	JPW 01 R-01
SP1	2510000880	SPEAKER	SME-45W
EP1	0910047723	PCB	B 4706C
EP2	8930037960	LCD CONTACT	SRCN-1705

## [MODEM UNIT]

REF. NO.	ORDER NO.	DESCRIPTION	
EP1	Optional Product	UNIT BOARD	UT-103

S.=Surface mount

[MAIN UNIT] (IC-F1500 only)

REF. NO.	ORDER NO.	DESCRIPTION	
IC1	1110003571	S.IC	MC3372SVMEL
IC2	1130007370	S.IC	TA75S558F(TE85L)
IC3	1130007090	S.IC	TA75W558FU(TE12L)
IC4	1130007090	S.IC	TA75W558FU(TE12L)
IC5	1190000350	S.IC	M62363FP-850C
IC7	1110003300	S.IC	M5282FP 70CD
IC8	1110003090	IC	LA4425A
IC9	1130007090	S.IC	TA75W558FU(TE12L)
IC10	1110003800	S.IC	NJM2904V-TE1
IC11	1150001720	IC	SC-1321 [L-band]
	1150001040	IC	SC-1188 [H-band]
IC12	1130007970	S.IC	MC145190FR2
IC13	1130007300	S.IC	TC4W66FU(TE12L)
IC16	1180001250	S.IC	TA7808F(TE16L)
IC17	1180000970	S.IC	AN78L05M-(E1)
IC18	1130007110	S.IC	TC7W04FU(TE12L)
IC19	1110001550	S.IC	S-8054ALB-LM-T1
IC20	1140003750	S.IC	HD6473877H (Z-TAT)
IC21	1130006920	S.IC	TA75W01FU (TE12L)
IC22	1110003410	S.IC	μPC5023GR-043-GJG-T2
IC25	1130007300	S.IC	TC4W66FU(TE12L)
IC26	1130007110	S.IC	TC7W04FU(TE12L)
IC27	1190000340	S.IC	X25160S(5V)
IC28	1110004050	S.IC	NJM3404AV-TE1
Q1	1580000590	S.FET	3SK166-0-T7
Q2	1580000590	S.FET	3SK166-0-T7
Q3	1530003420	S.TRANSISTOR	2SC5110-O (TE85R)
Q4	1530002600	S.TRANSISTOR	2SC4215-O (TE85R)
Q5	1530002080	S.TRANSISTOR	2SC4081 T107 R
Q6	1590000680	S.TRANSISTOR	DTC114EU T107
Q7	1590000990	S.TRANSISTOR	DTC363EK T147
Q8	1590000680	S.TRANSISTOR	DTC114EU T107
Q9	1530002060	S.TRANSISTOR	2SC4081 T107 R
Q10	1530002060	S.TRANSISTOR	2SC4081 T107 R
Q11	1550000020	S.FET	2SJ377 (TE16R)
Q12	1550000020	S.FET	2SJ377 (TE16R)
Q14	1590000680	S.TRANSISTOR	DTC114EU T107
Q15	1530003291	S.TRANSISTOR	2SC4703-T1 SE
Q16	1530003420	S.TRANSISTOR	2SC5110-O (TE85R)
Q17	1530003420	S.TRANSISTOR	2SC5110-O (TE85R)
Q18	1530003420	S.TRANSISTOR	2SC5110-O (TE85R)
Q19	1530003420	S.TRANSISTOR	2SC5110-O (TE85R)
Q20	1530003420	S.TRANSISTOR	2SC5110-O (TE85R)
Q21	1530002920	S.TRANSISTOR	2SC4226-T2 R25
Q22	1590000680	S.TRANSISTOR	DTC114EU T107
Q23	1530003420	S.TRANSISTOR	2SC5110-O (TE85R)
Q24	1590000680	S.TRANSISTOR	DTC114EU T107
Q25	1590000680	S.TRANSISTOR	DTC114EU T107
Q26	1590001330	S.TRANSISTOR	DTA114EU T107
Q27	1590001330	S.TRANSISTOR	DTA114EU T107
Q28	1590001330	S.TRANSISTOR	DTA114EU T107
Q29	1580000810	S.FET	2SK1069-4-TL
Q30	1590002290	S.TRANSISTOR	FMS2A T148
Q31	1590002300	S.TRANSISTOR	FMW2 T148
Q32	1530002060	S.TRANSISTOR	2SC4081 T107 R
Q33	1510000510	S.TRANSISTOR	2SA1576 T107 R
Q34	1530002060	S.TRANSISTOR	2SC4081 T107 R
Q35	1530002060	S.TRANSISTOR	2SC4081 T107 R
Q36	1540000550	S.TRANSISTOR	2SD1664 T100Q
Q37	1590000680	S.TRANSISTOR	DTC114EU T107
Q38	1540000550	S.TRANSISTOR	2SD1664 T100Q
Q39	1590000680	S.TRANSISTOR	DTC114EU T107
Q40	1540000550	S.TRANSISTOR	2SD1664 T100Q
Q41	1590000680	S.TRANSISTOR	DTC114EU T107
Q42	1520000560	S.TRANSISTOR	2SB1123T-TD
Q43	1530002060	S.TRANSISTOR	2SC4081 T107 R
Q44	1580000810	S.FET	2SK1069-4-TL
Q45	1590000680	S.TRANSISTOR	DTC114EU T107
Q47	1590000680	S.TRANSISTOR	DTC114EU T107
Q48	1530002060	S.TRANSISTOR	2SC4081 T107 R
Q49	1590000680	S.TRANSISTOR	DTC114EU T107
Q50	1590001330	S.TRANSISTOR	DTA114EU T107
Q51	1590000680	S.TRANSISTOR	DTC114EU T107
Q52	1580000810	S.FET	2SK1069-4-TL

[MAIN UNIT] (IC-F1500 only)

REF. NO.	ORDER NO.	DESCRIPTION	
Q55	1530002080	S.TRANSISTOR	2SC4081 T107 R
Q56	1590001330	S.TRANSISTOR	DTA114EU T107
Q57	1590001330	S.TRANSISTOR	DTA114EU T107
Q58	1590000680	S.TRANSISTOR	DTC114EU T107
Q60	1590001390	S.FET	2SJ144-Y (TE85R)
D1	1790001210	S.DIODE	1SS375-TL
D3	1790001210	S.DIODE	1SS375-TL
D4	1750000510	S.DIODE	UM9401F
D5	1710000730	S.DIODE	MI809-T11
D6	1710000730	S.DIODE	MI809-T11
D8	1720000270	S.VARICAP	1SV217 (TPH2)
D9	1720000270	S.VARICAP	1SV217 (TPH2)
D10	1720000270	S.VARICAP	1SV217 (TPH2)
D11	1720000270	S.VARICAP	1SV217 (TPH2)
D14	1720000180	S.VARICAP	1SV164-T2B
D15	1790000700	DIODE	DSA3A1
D16	1750000370	S.DIODE	DA221 TL
D17	1790000620	S.DIODE	MA77(TW)
D18	1790000620	S.DIODE	MA77(TW)
D19	1720000270	S.VARICAP	1SV217 (TPH2)
D20	1720000270	S.VARICAP	1SV217 (TPH2)
D21	1720000270	S.VARICAP	1SV217 (TPH2)
D22	1720000270	S.VARICAP	1SV217 (TPH2)
D23	1720000260	S.VARICAP	1SV214 (TPH2)
D27	1750000130	S.DIODE	DA204U T107
D28	1750000220	S.DIODE	DA113W T107
D29	1750000130	S.DIODE	DA204U T107
D30	1750000390	S.DIODE	1SS353 TE-17
D31	1750000390	S.DIODE	1SS353 TE-17
D32	1750000130	S.DIODE	DA204U T107
D33	1730002420	S.ZENER	MA8160(TX)
D35	1750000390	S.DIODE	1SS353 TE-17
D36	1750000390	S.DIODE	1SS353 TE-17
D37	1750000390	S.DIODE	1SS353 TE-17
D38	1750000390	S.DIODE	1SS353 TE-17
D40	1720000270	S.VARICAP	1SV217 (TPH2)
D41	1720000270	S.VARICAP	1SV217 (TPH2)
D42	1720000270	S.VARICAP	1SV217 (TPH2)
D43	1720000270	S.VARICAP	1SV217 (TPH2)
D44	1720000360	S.DIODE	HSU88TRF
D45	1750000390	S.DIODE	1SS353 TE-17
D46	1720000260	S.VARICAP	1SV214 (TPH2)
D49	1160000060	S.DIODE	DAN202U T107
D50	1750000390	S.DIODE	1SS353 TE-17
D51	1750000390	S.DIODE	1SS353 TE-17
F11	2010001790	XTAL	FL-224 (21.8 MHz)
F12	2020001030	CERAMIC	CFWS455G
X1	6050009060	XTAL	CR-488 (21.345 MHz)
X2	6070000170	S.DISCR.	CDBC455CX16-TC
X3	6050009310	XTAL	CR-507 (12.7982 MHz)
X4	6050008840	S.XTAL	CR-463 (6.8 MHz)
L1	6110003130	COIL	LA-504
L2	6110003130	COIL	LA-504
L3	6110003120	COIL	LA-503
L4	6200003850	S.COIL	36CS-656LZ-09K=P3
L5	6200003850	S.COIL	36CS-656LZ-09K=P3
L6	6170000230	COIL	LW-25
L7	6110003130	COIL	LA-504
L9	6200006200	S.COIL	MC152-E558CNA-100047=P3
L10	6200004230	S.COIL	ELJNC R56K-F
L11	6200006200	S.COIL	MC152-E558CNA-100047=P3
L12	6200006200	S.COIL	MC152-E558CNA-100047=P3
L13	6200006200	S.COIL	MC152-E558CNA-100047=P3
L15	6200002790	S.COIL	ELJFC R82M-F
L16	6200001920	S.COIL	ELJNC R15K-F
L17	6200003670	S.COIL	ELJNC 68NK-F
L18	6200004880	S.COIL	ELJFC 3R3K-F
L19	6200002940	S.COIL	ELJFC 1R2K-F

F1500

S.=Surface mount

[MAIN UNIT] (IC-F1500 only)

REF. NO.	ORDER NO.	DESCRIPTION	
L23	6200001770	S.COIL	ELJNC 47NK-F
L24	6200001770	S.COIL	ELJNC 47NK-F
L25	6200003670	S.COIL	ELJNC 68NK-F
L26	6200004230	S.COIL	ELJNC R56K-F
L27	6200002160	S.COIL	ELJNC 82NK-F
L29	6200004880	S.COIL	ELJFC 3R3K-F
L30	6200004230	S.COIL	ELJNC R56K-F
L31	6200001770	S.COIL	ELJNC 47NK-F
L32	6200002160	S.COIL	ELJNC 82NK-F
L33	6200002160	S.COIL	ELJNC 82NK-F
L35	6200004880	S.COIL	ELJFC 3R3K-F
L37	6200004880	S.COIL	ELJFC 3R3K-F
L38	6200004850	S.COIL	MC152-E558CN-100024
L39	6200004880	S.COIL	ELJFC 3R3K-F
L40	6200004990	S.COIL	LQH 1N R68M
L41	6200002940	S.COIL	ELJFC 1R2K-F
L42	6200004880	S.COIL	ELJFC 3R3K-F
L43	6200004980	S.COIL	MC152-E558CN-100023
L44	6200004230	S.COIL	ELJNC R56K-F
L45	6200004440	S.COIL	ELJFC 4R7M-F
L46	6200004230	S.COIL	ELJNC R56K-F
L47	6200004230	S.COIL	ELJNC R56K-F
L48	6200004230	S.COIL	ELJNC R56K-F
L50	6200004230	S.COIL	ELJNC R56K-F
L51	6200001770	S.COIL	ELJNC 47NK-F
L52	6200003300	S.COIL	ELJNC R22K-F
L53	6200005130	S.COIL	NLC453232T-101K
L54	6200004230	S.COIL	ELJNC R56K-F
L55	6200003960	S.COIL	MLF1608A 1R0K-T
L56	6200003960	S.COIL	MLF1608A 1R0K-T
L57	6200003960	S.COIL	MLF1608A 1R0K-T
L58	6200003960	S.COIL	MLF1608A 1R0K-T
L59	6200003960	S.COIL	MLF1608A 1R0K-T
L60	6200003960	S.COIL	MLF1608A 1R0K-T
L62	6200003960	S.COIL	MLF1608A 1R0K-T
L63	6200003960	S.COIL	MLF1608A 1R0K-T
L64	6200004470	S.COIL	MLF1608D R12K-T
R1	7030003280	S.RESISTOR	ERJ3GEYJ 470 V (47 Ω)
R2	7030004050	S.RESISTOR	ERJ3GEYJ 1R0 V (1 Ω)
R4	7030003280	S.RESISTOR	ERJ3GEYJ 470 V (47 Ω)
R5	7030004050	S.RESISTOR	ERJ3GEYJ 1R0 V (1 Ω)
R7	7030001170	S.RESISTOR	MCR50JZHJ 220 Ω (221)
R8	7030001170	S.RESISTOR	MCR50JZHJ 220 Ω (221)
R11	7030003720	S.RESISTOR	ERJ3GEYJ 224 V (220 kΩ)
R12	7030003600	S.RESISTOR	ERJ3GEYJ 223 V (22 kΩ)
R13	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R14	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)
R15	7030003350	S.RESISTOR	ERJ3GEYJ 181 V (180 Ω)
R16	7030003720	S.RESISTOR	ERJ3GEYJ 224 V (220 kΩ)
R17	7030003720	S.RESISTOR	ERJ3GEYJ 224 V (220 kΩ)
R18	7030003720	S.RESISTOR	ERJ3GEYJ 224 V (220 kΩ)
R19	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R20	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R21	7030003300	S.RESISTOR	ERJ3GEYJ 680 V (68 Ω)
R22	7030003230	S.RESISTOR	ERJ3GEYJ 180 V (18 Ω)
R23	7030003370	S.RESISTOR	ERJ3GEYJ 271 V (270 Ω)
R24	7030003370	S.RESISTOR	ERJ3GEYJ 271 V (270 Ω)
R25	7030003370	S.RESISTOR	ERJ3GEYJ 271 V (270 Ω)
R26	7030003360	S.RESISTOR	ERJ3GEYJ 221 V (220 Ω)
R27	7030003500	S.RESISTOR	ERJ3GEYJ 332 V (3.3 kΩ)
R28	7030003480	S.RESISTOR	ERJ3GEYJ 222 V (2.2 kΩ)
R29	7030003430	S.RESISTOR	ERJ3GEYJ 821 V (820 Ω)
R30	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)
R31	7030003520	S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ)
R32	7030003670	S.RESISTOR	ERJ3GEYJ 823 V (82 kΩ)
R33	7030003460	S.RESISTOR	ERJ3GEYJ 152 V (1.5 kΩ)
R34	7030003520	S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ)
R35	7030003670	S.RESISTOR	ERJ3GEYJ 823 V (82 kΩ)
R36	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R37	7030003760	S.RESISTOR	ERJ3GEYJ 474 V (470 kΩ)
R38	7030003470	S.RESISTOR	ERJ3GEYJ 182 V (1.8 kΩ)
R39	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (4.7 kΩ)
R40	7030003460	S.RESISTOR	ERJ3GEYJ 152 V (1.5 kΩ)
R41	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)

[MAIN UNIT] (IC-F1500 only)

REF. NO.	ORDER NO.	DESCRIPTION	
R42	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)
R44	7030003600	S.RESISTOR	ERJ3GEYJ 223 V (22 kΩ)
R45	7030003580	S.RESISTOR	ERJ3GEYJ 153 V (15 kΩ)
R46	7510000430	S.THERMISTOR	TN20-3K202LT
R47	7030003480	S.RESISTOR	ERJ3GEYJ 222 V (2.2 kΩ)
R48	7030003430	S.RESISTOR	ERJ3GEYJ 821 V (820 Ω)
R49	7030004050	S.RESISTOR	ERJ3GEYJ 1R0 V (1 Ω)
R51	7030004270	S.RESISTOR	ERJ3KEF 4121 V (4.12 kΩ)
R52	7030003480	S.RESISTOR	ERJ3GEYJ 222 V (2.2 kΩ)
R53	7030005490	S.RESISTOR	RR0816R-363-D (36 kΩ)
R56	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)
R57	7030003720	S.RESISTOR	ERJ3GEYJ 224 V (220 kΩ)
R58	7030003670	S.RESISTOR	ERJ3GEYJ 823 V (82 kΩ)
R59	7030003670	S.RESISTOR	ERJ3GEYJ 823 V (82 kΩ)
R60	7030003670	S.RESISTOR	ERJ3GEYJ 823 V (82 kΩ)
R61	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)
R62	7030003480	S.RESISTOR	ERJ3GEYJ 152 V (1.5 kΩ)
R63	7030004850	S.RESISTOR	ERJ3GEYF 913 V (91 kΩ)
R65	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)
R67	7030003520	S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ)
R68	7030003600	S.RESISTOR	ERJ3GEYJ 223 V (22 kΩ)
R69	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)
R70	7030003760	S.RESISTOR	ERJ3GEYJ 474 V (470 kΩ)
R71	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R73	7030003670	S.RESISTOR	ERJ3GEYJ 823 V (82 kΩ)
R74	7030003670	S.RESISTOR	ERJ3GEYJ 823 V (82 kΩ)
R77	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R80	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R81	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R85	7030003280	S.RESISTOR	ERJ3GEYJ 470 V (47 Ω)
R86	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R87	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R88	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R89	7030003600	S.RESISTOR	ERJ3GEYJ 223 V (22 kΩ)
R90	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R92	7030003670	S.RESISTOR	ERJ3GEYJ 823 V (82 kΩ)
R93	7030003490	S.RESISTOR	ERJ3GEYJ 272 V (2.7 kΩ)
R94	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R95	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R96	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R97	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R98	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)
R99	7030003520	S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ)
R100	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R101	7030003810	S.RESISTOR	ERJ3GEYJ 125 V (1.2 MΩ)
R102	7030003520	S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ)
R103	7030003520	S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ)
R107	7030003400	S.RESISTOR	ERJ3GEYJ 471 V (470 Ω)
R108	7030000100	S.RESISTOR	MCR10EZHZ 4.7 Ω (4R7)
R109	7030003480	S.RESISTOR	ERJ3GEYJ 222 V (2.2 kΩ)
R110	7030003410	S.RESISTOR	ERJ3GEYJ 561 V (560 Ω)
R111	7030000180	S.RESISTOR	MCR10EZHZ 22 Ω (220)
R113	7030003240	S.RESISTOR	ERJ3GEYJ 220 V (22 Ω)
R114	7030003240	S.RESISTOR	ERJ3GEYJ 220 V (22 Ω)
R115	7030003510	S.RESISTOR	ERJ3GEYJ 392 V (3.9 kΩ)
R116	7030003340	S.RESISTOR	ERJ3GEYJ 151 V (150 Ω)
R117	7030003470	S.RESISTOR	ERJ3GEYJ 182 V (1.8 kΩ)
R118	7030003400	S.RESISTOR	ERJ3GEYJ 471 V (470 Ω)
R119	7030003520	S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ)
R120	7030003550	S.RESISTOR	ERJ3GEYJ 822 V (8.2 kΩ)
R121	7030003530	S.RESISTOR	ERJ3GEYJ 562 V (5.6 kΩ)
R122	7030003230	S.RESISTOR	ERJ3GEYJ 180 V (18 Ω)
R123	7030003370	S.RESISTOR	ERJ3GEYJ 271 V (270 Ω)
R124	7030003370	S.RESISTOR	ERJ3GEYJ 271 V (270 Ω)
R125	7030003420	S.RESISTOR	ERJ3GEYJ 681 V (680 Ω)
R126	7030003660	S.RESISTOR	ERJ3GEYJ 683 V (68 kΩ)
R127	7030003400	S.RESISTOR	ERJ3GEYJ 471 V (470 Ω)
R128	7030003200	S.RESISTOR	ERJ3GEYJ 100 V (10 Ω)
R129	7030003550	S.RESISTOR	ERJ3GEYJ 822 V (8.2 kΩ)
R130	7030003400	S.RESISTOR	ERJ3GEYJ 471 V (470 Ω)
R131	7030003360	S.RESISTOR	ERJ3GEYJ 221 V (220 Ω)
R132	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R133	7030003400	S.RESISTOR	ERJ3GEYJ 471 V (470 Ω)
R134	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R135	7030003530	S.RESISTOR	ERJ3GEYJ 562 V (5.6 kΩ)
R136	7030004040	S.RESISTOR	ERJ3GEYJ 4R7 V (4.7 Ω)

S.=Surface mount

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[MAIN UNIT] (IC-F1500 only)

REF. NO.	ORDER NO.	DESCRIPTION
R137	7030003440	S.RESISTOR ERJ3GEYJ 102 V (1 kΩ)
R138	7030003560	S.RESISTOR ERJ3GEYJ 103 V (10 kΩ)
R139	7030003530	S.RESISTOR ERJ3GEYJ 562 V (5.6 kΩ)
R140	7030004040	S.RESISTOR ERJ3GEYJ 4R7 V (4.7 Ω)
R141	7030003430	S.RESISTOR ERJ3GEYJ 821 V (820 Ω)
R142	7510000780	S.THERMISTOR NTCCF2012 3SH 333KC-T
R143	7030003560	S.RESISTOR ERJ3GEYJ 103 V (10 kΩ)
R145	7030003400	S.RESISTOR ERJ3GEYJ 471 V (470 Ω)
R146	7030003280	S.RESISTOR ERJ3GEYJ 470 V (47 Ω)
R147	7030003400	S.RESISTOR ERJ3GEYJ 471 V (470 Ω)
R148	7030003280	S.RESISTOR ERJ3GEYJ 470 V (47 Ω)
R150	7030003740	S.RESISTOR ERJ3GEYJ 334 V (330 kΩ)
R151	7030003560	S.RESISTOR ERJ3GEYJ 103 V (10 kΩ)
R152	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)
R153	7030003440	S.RESISTOR ERJ3GEYJ 102 V (1 kΩ)
R154	7030003420	S.RESISTOR ERJ3GEYJ 681 V (680 Ω)
R155	7030003500	S.RESISTOR ERJ3GEYJ 332 V (3.3 kΩ)
R156	7030003800	S.RESISTOR ERJ3GEYJ 105 V (1 MΩ)
R157	7030003800	S.RESISTOR ERJ3GEYJ 105 V (1 MΩ)
R158	7030003440	S.RESISTOR ERJ3GEYJ 102 V (1 kΩ)
R159	7030003440	S.RESISTOR ERJ3GEYJ 102 V (1 kΩ)
R160	7030003440	S.RESISTOR ERJ3GEYJ 102 V (1 kΩ)
R162	7030003200	S.RESISTOR ERJ3GEYJ 100 V (10 Ω)
R163	7030003320	S.RESISTOR ERJ3GEYJ 101 V (100 Ω)
R167	7030003640	S.RESISTOR ERJ3GEYJ 473 V (47 kΩ)
R168	7030003460	S.RESISTOR ERJ3GEYJ 152 V (1.5 kΩ)
R169	7030003370	S.RESISTOR ERJ3GEYJ 271 V (270 Ω)
R171	7030003440	S.RESISTOR ERJ3GEYJ 102 V (1 kΩ)
R172	7030003560	S.RESISTOR ERJ3GEYJ 103 V (10 kΩ)
R173	7030003560	S.RESISTOR ERJ3GEYJ 103 V (10 kΩ)
R174	7030003640	S.RESISTOR ERJ3GEYJ 473 V (47 kΩ)
R175	7030003320	S.RESISTOR ERJ3GEYJ 101 V (100 Ω)
R176	7030003530	S.RESISTOR ERJ3GEYJ 562 V (5.6 kΩ)
R177	7030003480	S.RESISTOR ERJ3GEYJ 222 V (2.2 kΩ)
R178	7510000430	S.THERMISTOR TN20-3K202LT
R179	7510000430	S.THERMISTOR TN20-3K202LT
R180	7030003560	S.RESISTOR ERJ3GEYJ 103 V (10 kΩ)
R181	7030003620	S.RESISTOR ERJ3GEYJ 333 V (33 kΩ)
R182	7030003620	S.RESISTOR ERJ3GEYJ 333 V (33 kΩ)
R183	7030003700	S.RESISTOR ERJ3GEYJ 154 V (150 kΩ)
R184	7030003320	S.RESISTOR ERJ3GEYJ 101 V (100 Ω)
R185	7030003600	S.RESISTOR ERJ3GEYJ 223 V (22 kΩ)
R186	7030003440	S.RESISTOR ERJ3GEYJ 102 V (1 kΩ)
R187	7030003640	S.RESISTOR ERJ3GEYJ 473 V (47 kΩ)
R188	7030003580	S.RESISTOR ERJ3GEYJ 153 V (15 kΩ)
R189	7030003640	S.RESISTOR ERJ3GEYJ 473 V (47 kΩ)
R191	7030003400	S.RESISTOR ERJ3GEYJ 471 V (470 Ω)
R192	7030003600	S.RESISTOR ERJ3GEYJ 223 V (22 kΩ)
R193	7030003560	S.RESISTOR ERJ3GEYJ 103 V (10 kΩ)
R194	7030003450	S.RESISTOR ERJ3GEYJ 122 V (1.2 kΩ)
R195	7030003600	S.RESISTOR ERJ3GEYJ 223 V (22 kΩ)
R196	7030003610	S.RESISTOR ERJ3GEYJ 273 V (27 kΩ)
R197	7030003600	S.RESISTOR ERJ3GEYJ 223 V (22 kΩ)
R199	7030003590	S.RESISTOR ERJ3GEYJ 183 V (18 kΩ)
R200	7030003560	S.RESISTOR ERJ3GEYJ 103 V (10 kΩ)
R201	7030003600	S.RESISTOR ERJ3GEYJ 223 V (22 kΩ)
R202	7030003560	S.RESISTOR ERJ3GEYJ 103 V (10 kΩ)
R203	7030003560	S.RESISTOR ERJ3GEYJ 103 V (10 kΩ)
R204	7030003550	S.RESISTOR ERJ3GEYJ 822 V (8.2 kΩ)
R205	7030003540	S.RESISTOR ERJ3GEYJ 682 V (6.8 kΩ)
R206	7030003520	S.RESISTOR ERJ3GEYJ 472 V (4.7 kΩ)
R208	7030000460	S.RESISTOR MCR10EZJH 4.7 kΩ (472)
R209	7030000460	S.RESISTOR MCR10EZJH 4.7 kΩ (472)
R210	7030000460	S.RESISTOR MCR10EZJH 4.7 kΩ (472)
R211	7030000460	S.RESISTOR MCR10EZJH 4.7 kΩ (472)
R212	7030000460	S.RESISTOR MCR10EZJH 4.7 kΩ (472)
R213	7030000460	S.RESISTOR MCR10EZJH 4.7 kΩ (472)
R215	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)
R216	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)
R217	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)
R218	7030003440	S.RESISTOR ERJ3GEYJ 102 V (1 kΩ)
R219	7030003200	S.RESISTOR ERJ3GEYJ 100 V (10 Ω)
R220	7030003580	S.RESISTOR ERJ3GEYJ 153 V (15 kΩ)
R221	7030003800	S.RESISTOR ERJ3GEYJ 105 V (1 MΩ)
R228	7030003320	S.RESISTOR ERJ3GEYJ 101 V (100 Ω)
R230	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)

[MAIN UNIT] (IC-F1500 only)

REF. NO.	ORDER NO.	DESCRIPTION
R231	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)
R232	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)
R238	7030003560	S.RESISTOR ERJ3GEYJ 103 V (10 kΩ)
R239	7030003560	S.RESISTOR ERJ3GEYJ 103 V (10 kΩ)
R240	7030003640	S.RESISTOR ERJ3GEYJ 473 V (47 kΩ)
R242	7030003470	S.RESISTOR ERJ3GEYJ 182 V (1.8 kΩ)
R243	7030003590	S.RESISTOR ERJ3GEYJ 183 V (18 kΩ)
R244	7030003640	S.RESISTOR ERJ3GEYJ 473 V (47 kΩ)
R245	7030003640	S.RESISTOR ERJ3GEYJ 473 V (47 kΩ)
R246	7030003650	S.RESISTOR ERJ3GEYJ 563 V (56 kΩ)
R247	7030003700	S.RESISTOR ERJ3GEYJ 154 V (150 kΩ)
R248	7030003700	S.RESISTOR ERJ3GEYJ 154 V (150 kΩ)
R249	7030003640	S.RESISTOR ERJ3GEYJ 473 V (47 kΩ)
R250	7030003670	S.RESISTOR ERJ3GEYJ 823 V (82 kΩ)
R251	7030003410	S.RESISTOR ERJ3GEYJ 561 V (560 Ω)
R255	7030003560	S.RESISTOR ERJ3GEYJ 103 V (10 kΩ)
R256	7030003750	S.RESISTOR ERJ3GEYJ 394 V (390 kΩ)
R257	7030003600	S.RESISTOR ERJ3GEYJ 223 V (22 kΩ)
R258	7030003580	S.RESISTOR ERJ3GEYJ 153 V (15 kΩ)
R259	7030003520	S.RESISTOR ERJ3GEYJ 472 V (4.7 kΩ)
R260	7030003320	S.RESISTOR ERJ3GEYJ 101 V (100 Ω)
R261	7030003760	S.RESISTOR ERJ3GEYJ 474 V (470 kΩ)
R262	7030003640	S.RESISTOR ERJ3GEYJ 473 V (47 kΩ)
R263	7030003560	S.RESISTOR ERJ3GEYJ 103 V (10 kΩ)
R267	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)
R268	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)
R269	7030003720	S.RESISTOR ERJ3GEYJ 224 V (220 kΩ)
R270	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)
R271	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)
R272	7030003440	S.RESISTOR ERJ3GEYJ 102 V (1 kΩ)
R273	7030003440	S.RESISTOR ERJ3GEYJ 102 V (1 kΩ)
R274	7030003440	S.RESISTOR ERJ3GEYJ 102 V (1 kΩ)
R275	7030003440	S.RESISTOR ERJ3GEYJ 102 V (1 kΩ)
R276	7030003440	S.RESISTOR ERJ3GEYJ 102 V (1 kΩ)
R277	7030003440	S.RESISTOR ERJ3GEYJ 102 V (1 kΩ)
R278	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)
R281	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)
R283	7030003560	S.RESISTOR ERJ3GEYJ 103 V (10 kΩ)
R284	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)
R285	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)
R286	7030003440	S.RESISTOR ERJ3GEYJ 102 V (1 kΩ)
R291	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)
R292	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)
R293	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)
R294	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)
R295	7030003320	S.RESISTOR ERJ3GEYJ 101 V (100 Ω)
R296	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)
R297	7030003320	S.RESISTOR ERJ3GEYJ 101 V (100 Ω)
R298	7030003320	S.RESISTOR ERJ3GEYJ 101 V (100 Ω)
R299	7030003720	S.RESISTOR ERJ3GEYJ 224 V (220 kΩ)
R300	7030003620	S.RESISTOR ERJ3GEYJ 333 V (33 kΩ)
R301	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)
R302	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)
R303	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)
R304	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)
R305	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)
R306	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)
R307	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)
R308	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)
R309	7030003440	S.RESISTOR ERJ3GEYJ 102 V (1 kΩ)
R310	7030003800	S.RESISTOR ERJ3GEYJ 105 V (1 MΩ)
R312	7030003520	S.RESISTOR ERJ3GEYJ 472 V (4.7 kΩ)
R313	7030003730	S.RESISTOR ERJ3GEYJ 274 V (270 kΩ)
R314	7030003320	S.RESISTOR ERJ3GEYJ 101 V (100 Ω)
R315	7030003320	S.RESISTOR ERJ3GEYJ 101 V (100 Ω)
R316	7030003640	S.RESISTOR ERJ3GEYJ 473 V (47 kΩ)
R317	7030003620	S.RESISTOR ERJ3GEYJ 333 V (33 kΩ)
R319	7030003320	S.RESISTOR ERJ3GEYJ 101 V (100 Ω)
R320	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)
R321	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)
R322	7030003800	S.RESISTOR ERJ3GEYJ 105 V (1 MΩ)
R323	7030003800	S.RESISTOR ERJ3GEYJ 105 V (1 MΩ)
R324	7030003800	S.RESISTOR ERJ3GEYJ 105 V (1 MΩ)
R325	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)
R326	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)
R327	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)

F1500

S.=Surface mount

[MAIN UNIT] (IC-F1500 only)

REF. NO.	ORDER NO.	DESCRIPTION	
R328	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R329	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R330	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R331	7030003400	S.RESISTOR	ERJ3GEYJ 471 V (470 Ω)
R333	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R335	7030003520	S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ)
R336	7030003520	S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ)
R337	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R338	7030003650	S.RESISTOR	ERJ3GEYJ 563 V (56 kΩ)
R339	7030003610	S.RESISTOR	ERJ3GEYJ 273 V (27 kΩ)
R340	7030003340	S.RESISTOR	ERJ3GEYJ 151 V (150 Ω)
R341	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R342	7030003650	S.RESISTOR	ERJ3GEYJ 563 V (56 kΩ)
R344	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R345	7030003400	S.RESISTOR	ERJ3GEYJ 471 V (470 Ω)
R348	7030003510	S.RESISTOR	ERJ3GEYJ 392 V (3.9 kΩ)
R349	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R350	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R351	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)
R352	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R353	7030003720	S.RESISTOR	ERJ3GEYJ 224 V (220 kΩ)
R354	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R355	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R356	7030003810	S.RESISTOR	ERJ3GEYJ 125 V (1.2 MΩ)
R357	7030003780	S.RESISTOR	ERJ3GEYJ 474 V (470 kΩ)
R359	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R360	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R361	7030003520	S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ)
R362	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R363	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R364	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)
R365	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)
R366	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)
R368	7520000140	S.POSISTOR	PT72 2B 70C TE
R369	7510000620	S.THERMISTOR	TN20-4C104LT
R370	7030003550	S.RESISTOR	ERJ3GEYJ 822 V (8.2 kΩ)
R371	7030003520	S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ)
R372	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R373	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R374	7030003620	S.RESISTOR	ERJ3GEYJ 333 V (33 kΩ)
R382	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R385	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)
R386	7030000180	S.RESISTOR	MCR10EZHJ 22 Ω (220)
R387	7030003450	S.RESISTOR	ERJ3GEYJ 122 V (1.2 kΩ)
R388	7510000860	S.THERMISTOR	NTCCF2012 3FH 222KC-T
R389	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)
R392	7030003600	S.RESISTOR	ERJ3GEYJ 223 V (22 kΩ)
R397	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R398	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R399	7030003800	S.RESISTOR	ERJ3GEYJ 105 V (1 MΩ)
R400	7030003450	S.RESISTOR	ERJ3GEYJ 122 V (1.2 kΩ)
R401	7030003480	S.RESISTOR	ERJ3GEYJ 222 V (2.2 kΩ)
R402	7030003800	S.RESISTOR	ERJ3GEYJ 105 V (1 MΩ)
R403	7030003240	S.RESISTOR	ERJ3GEYJ 220 V (22 Ω)
R404	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R405	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R406	7030003590	S.RESISTOR	ERJ3GEYJ 183 V (18 kΩ)
C2	4030011160	S.CERAMIC	GRM42-6 CH 150J 500PT
C3	4030011210	S.CERAMIC	GRM42-6 CH 330J 500PT
C4	4030006850	S.CERAMIC	C1608 JB 1H 471K-T-A
C5	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C6	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C7	4030006850	S.CERAMIC	C1608 JB 1H 471K-T-A
C8	4030011210	S.CERAMIC	GRM42-6 CH 330J 500PT
C9	4030011100	S.CERAMIC	GRM42-6 CH 080D 500PT
			[L-band]
	4030011080	S.CERAMIC	GRM42-6 CH 080D 500PT
			[H-band]
C10	4030011170	S.CERAMIC	GRM42-6 CH 180J 500PT
C11	4030011240	S.CERAMIC	GRM42-6 CH 470J 500PT
C13	4030006850	S.CERAMIC	C1608 JB 1H 471K-T-A
C14	4510004650	S.ELECTROLYTIC	ECEV1EA4R7SR
C15	4030011160	S.CERAMIC	GRM42-6 CH 150J 500PT
C16	4030011170	S.CERAMIC	GRM42-6 CH 180J 500PT

[MAIN UNIT] (IC-F1500 only)

REF. NO.	ORDER NO.	DESCRIPTION	
C17	4030011180	S.CERAMIC	GRM42-6 CH 220J 500PT
C18	4030007030	S.CERAMIC	C1608 CH 1H 150J-T-A
C19	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C20	4030006940	S.CERAMIC	C1608 CH 1H 030C-T-A
C23	4030006930	S.CERAMIC	C1608 CH 1H 020C-T-A
C24	4030006930	S.CERAMIC	C1608 CH 1H 020C-T-A
C25	4030007060	S.CERAMIC	C1608 CH 1H 270J-T-A
C26	4030006850	S.CERAMIC	C1608 JB 1H 471K-T-A
C27	4030006970	S.CERAMIC	C1608 CH 1H 060D-T-A
C28	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C29	4030006850	S.CERAMIC	C1608 JB 1H 471K-T-A
C30	4030007060	S.CERAMIC	C1608 CH 1H 270J-T-A
C31	4030006930	S.CERAMIC	C1608 CH 1H 020C-T-A
C32	4030006860	S.CERAMIC	C1608 CH 1H 300J-T-A
C33	4030006970	S.CERAMIC	C1608 CH 1H 060D-T-A
C34	4030009520	S.CERAMIC	C1608 CH 1H 020J-T-A
C35	4030006930	S.CERAMIC	C1608 CH 1H 020C-T-A
C36	4030006970	S.CERAMIC	C1608 CH 1H 060D-T-A
C37	4030008560	S.CERAMIC	C1608 CH 1H 300J-T-A
C39	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C40	4030006990	S.CERAMIC	C1608 CH 1H 080D-T-A
C41	4030007020	S.CERAMIC	C1608 CH 1H 120J-T-A
C42	4030007060	S.CERAMIC	C1608 CH 1H 270J-T-A
C43	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C44	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C45	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C46	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C47	4030007000	S.CERAMIC	C1608 CH 1H 090D-T-A
C48	4550002890	S.TANTALUM	TESVA 1A 225M1-8L
C49	4030006900	S.CERAMIC	C1608 JB 1E 103K-T-A
C50	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C51	4030007110	S.CERAMIC	C1608 CH 1H 680J-T-A
C52	4030007140	S.CERAMIC	C1608 CH 1H 121J-T-A
C53	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C54	4030007090	S.CERAMIC	C1608 CH 1H 470J-T-A
C55	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C56	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C57	4030010740	S.CERAMIC	C1608 JB 1A 104K-T-A
C58	4030010740	S.CERAMIC	C1608 JB 1A 104K-T-A
C59	4030007140	S.CERAMIC	C1608 CH 1H 121J-T-A
C60	4030011310	S.CERAMIC	C2012 JB 1A 564K-T-A
C61	4550002890	S.TANTALUM	TESVA 1A 225M1-8L
C62	4030007160	S.CERAMIC	C1608 CH 1H 181J-T-A
C63	4030007160	S.CERAMIC	C1608 CH 1H 181J-T-A
C64	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C65	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C66	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C67	4030008920	S.CERAMIC	C1608 JB 1C 473K-T-A
C68	4030008920	S.CERAMIC	C1608 JB 1C 473K-T-A
C69	4030008920	S.CERAMIC	C1608 JB 1C 473K-T-A
C70	4030008920	S.CERAMIC	C1608 JB 1C 473K-T-A
C71	4030008920	S.CERAMIC	C1608 JB 1C 473K-T-A
C72	4550002890	S.TANTALUM	TESVA 1A 225M1-8L
C73	4030010740	S.CERAMIC	C1608 JB 1A 104K-T-A
C74	4030010740	S.CERAMIC	C1608 JB 1A 104K-T-A
C75	4550000460	S.TANTALUM	TESVA 1C 105M1-8L
C76	4030008970	S.CERAMIC	C2012 JB 1C 124K-T-A
C77	4030010040	S.CERAMIC	C1608 JB 1H 581K-T-A
C78	4550002890	S.TANTALUM	TESVA 1A 225M1-8L
C79	4030010740	S.CERAMIC	C1608 JB 1A 104K-T-A
C80	4030008910	S.CERAMIC	C1608 JB 1C 393K-T-A
C81	4030009980	S.CERAMIC	C1608 JB 1H 152K-T-A
C83	4030010740	S.CERAMIC	C1608 JB 1A 104K-T-A
C84	4550002890	S.TANTALUM	TESVA 1A 225M1-8L
C85	4030008630	S.CERAMIC	C1608 JF 1C 104Z-T-A
C86	4030010740	S.CERAMIC	C1608 JB 1A 104K-T-A
C87	4550002890	S.TANTALUM	TESVA 1A 225M1-8L
C90	4550006250	S.TANTALUM	TEMSVA 1A 108M-8L
C91	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C92	4030010740	S.CERAMIC	C1608 JB 1A 104K-T-A
C93	4510005290	S.ELECTROLYTIC	ECEV1EA221P
C94	4510006260	S.ELECTROLYTIC	ECEV1AA471UP
C95	4030010740	S.CERAMIC	C1608 JB 1A 104K-T-A
C97	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C98	4550002890	S.TANTALUM	TESVA 1A 225M1-8L
C100	4030010240	S.CERAMIC	C1608 JB 1H 391K-T-A

S.=Surface mount

F1500

[MAIN UNIT] (IC-F1500 only)

REF. NO.	ORDER NO.	DESCRIPTION
C101	4030006900	S.CERAMIC C1608 JB 1E 103K-T-A
C102	4030006900	S.CERAMIC C1608 JB 1E 103K-T-A
C103	4030006900	S.CERAMIC C1608 JB 1E 103K-T-A
C104	4550002890	S.TANTALUM TESVA 1A 225M1-8L
C105	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C106	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C107	4550003170	S.TANTALUM TEMSVA 1D 155M-8L
C108	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C112	4550003220	S.TANTALUM TEMSVA 1E 105M-8L
C115	4510004510	Electrolytic 25 MV 470 HC
C116	4030006850	S.CERAMIC C1608 JB 1H 471K-T-A
C117	4030006900	S.CERAMIC C1608 JB 1E 103K-T-A
C118	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C119	4510005750	S.ELECTROLYTIC ECEV1EA220SP
C121	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C122	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C123	4030007090	S.CERAMIC C1608 CH 1H 470J-T-A
C124	4510005750	S.ELECTROLYTIC ECEV1EA220SP
C125	4030007090	S.CERAMIC C1608 CH 1H 470J-T-A
C126	4030007020	S.CERAMIC C1608 CH 1H 102K-T-A
C127	4030007080	S.CERAMIC C1608 CH 1H 270J-T-A
C128	4030007020	S.CERAMIC C1608 CH 1H 120J-T-A
C129	4030007070	S.CERAMIC C1608 CH 1H 330J-T-A
C130	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C131	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C132	4030007050	S.CERAMIC C1608 CH 1H 220J-T-A
C133	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C134	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C135	4030006850	S.CERAMIC C1608 JB 1H 471K-T-A
C136	4030006850	S.CERAMIC C1608 JB 1H 471K-T-A
C137	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C138	4030007030	S.CERAMIC C1608 CH 1H 150J-T-A
C139	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C140	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C141	4030007010	S.CERAMIC C1608 CH 1H 100D-T-A
C142	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C143	4030007080	S.CERAMIC C1608 CH 1H 270J-T-A
C144	4030007080	S.CERAMIC C1608 CH 1H 270J-T-A
C145	4030006850	S.CERAMIC C1608 JB 1H 471K-T-A
C146	4030007080	S.CERAMIC C1608 CH 1H 270J-T-A
C147	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C148	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C149	4030007040	S.CERAMIC C1608 CH 1H 180J-T-A
C150	4030007010	S.CERAMIC C1608 CH 1H 100D-T-A
C151	4030007010	S.CERAMIC C1608 CH 1H 100D-T-A
C152	4030006850	S.CERAMIC C1608 JB 1H 471K-T-A
C153	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C154	4550006250	S.TANTALUM TEMSVA 1A 106M-8L
C155	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C156	4030007090	S.CERAMIC C1608 CH 1H 470J-T-A
C157	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C158	4030009500	S.CERAMIC C1608 CH 1H 0R5B-T-A
C159	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C160	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C161	4030007090	S.CERAMIC C1608 CH 1H 470J-T-A
C162	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C163	4030009500	S.CERAMIC C1608 CH 1H 0R5B-T-A
C164	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C165	4030007010	S.CERAMIC C1608 CH 1H 100D-T-A
C166	4030007010	S.CERAMIC C1608 CH 1H 100D-T-A
C167	4030007090	S.CERAMIC C1608 CH 1H 470J-T-A
C168	4030007070	S.CERAMIC C1608 CH 1H 330J-T-A
C169	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C170	4030009650	S.CERAMIC C1608 CH 1H 240J-T-A
C171	4030007000	S.CERAMIC C1608 CH 1H 090D-T-A
C172	4030007010	S.CERAMIC C1608 CH 1H 100D-T-A
C173	4030007110	S.CERAMIC C1608 CH 1H 680J-T-A
C174	4030009550	S.CERAMIC C1608 CH 1H 2R5B-T-A
C176	4030007070	S.CERAMIC C1608 CH 1H 330J-T-A
C177	4030006850	S.CERAMIC C1608 JB 1H 471K-T-A
C178	4030006850	S.CERAMIC C1608 JB 1H 471K-T-A
C179	4550003250	S.TANTALUM TEMSVA 1V 474M-8L
C181	4550003220	S.TANTALUM TEMSVA 1E 105M-8L
C182	4510004650	S.ELECTROLYTIC ECEV1EA4R7SR
C183	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C184	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A

[MAIN UNIT] (IC-F1500 only)

REF. NO.	ORDER NO.	DESCRIPTION
C185	4550002890	S.TANTALUM TESVA 1A 225M1-8L
C186	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C187	4510004630	S.ELECTROLYTIC ECEV1CA100SR
C189	4030007170	S.CERAMIC C1608 CH 1H 221J-T-A
C190	4030007130	S.CERAMIC C1608 CH 1H 101J-T-A
C191	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C192	4030009540	S.CERAMIC C1608 CH 1H 1R5B-T-A
C193	4610001890	S.TRIMMER CTZ3E-20C-W1
C194	4030008560	S.CERAMIC C1608 CH 1H 300J-T-A
C195	4030008190	S.CERAMIC C1608 UJ 1H 040C-T-A
C196	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C198	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C199	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C200	4550002890	S.TANTALUM TESVA 1A 225M1-8L
C201	4030008630	S.CERAMIC C1608 JF 1C 104Z-T-A
C202	4030008630	S.CERAMIC C1608 JF 1C 104Z-T-A
C203	4030008630	S.CERAMIC C1608 JF 1C 104Z-T-A
C204	4550003220	S.TANTALUM TEMSVA 1E 105M-8L
C205	4030004760	S.CERAMIC C2012 JF 1E 104Z-T-A
C206	4510005290	S.ELECTROLYTIC ECEV1EA221P
C207	4510004630	S.ELECTROLYTIC ECEV1CA100SR
C208	4550000460	S.TANTALUM TESVA 1C 105M1-8L
C209	4550005980	S.TANTALUM TEMSVA 1A 475M-8L
C210	4550000460	S.TANTALUM TESVA 1C 105M1-8L
C211	4550000460	S.TANTALUM TESVA 1C 105M1-8L
C212	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C214	4510004420	S.ELECTROLYTIC ECEV0JV330SR
C215	4030007110	S.CERAMIC C1608 CH 1H 680J-T-A
C216	4030006960	S.CERAMIC C1608 CH 1H 050C-T-A
C217	4030007050	S.CERAMIC C1608 CH 1H 220J-T-A
C218	4030011310	S.CERAMIC C2012 JB 1A 564K-T-A
C224	4030008920	S.CERAMIC C1608 JB 1C 473K-T-A
C225	4030010240	S.CERAMIC C1608 JB 1H 391K-T-A
C226	4550003220	S.TANTALUM TEMSVA 1E 105M-8L
C228	4030009880	S.CERAMIC C1608 JB 1H 682K-T-A
C229	4550006250	S.TANTALUM TEMSVA 1A 106M-8L
C230	4550002890	S.TANTALUM TESVA 1A 225M1-8L
C231	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C233	4030010740	S.CERAMIC C1608 JB 1A 104K-T-A
C234	4030010740	S.CERAMIC C1608 JB 1A 104K-T-A
C235	4550006250	S.TANTALUM TEMSVA 1A 106M-8L
C237	4550006250	S.TANTALUM TEMSVA 1A 106M-8L
C238	4030007150	S.CERAMIC C1608 CH 1H 151J-T-A
C239	4030006900	S.CERAMIC C1608 JB 1E 103K-T-A
C240	4030006870	S.CERAMIC C1608 JB 1H 222K-T-A
C242	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C243	4550002890	S.TANTALUM TESVA 1A 225M1-8L
C244	4030008920	S.CERAMIC C1608 JB 1C 473K-T-A
C245	4550002890	S.TANTALUM TESVA 1A 225M1-8L
C246	4030008870	S.CERAMIC C1608 JB 1C 183K-T-A
C247	4030010740	S.CERAMIC C1608 JB 1A 104K-T-A
C250	4030010740	S.CERAMIC C1608 JB 1A 104K-T-A
C251	4030010740	S.CERAMIC C1608 JB 1A 104K-T-A
C252	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C253	4550006250	S.TANTALUM TEMSVA 1A 106M-8L
C254	4550006250	S.TANTALUM TEMSVA 1A 106M-8L
C255	4550003220	S.TANTALUM TEMSVA 1E 105M-8L
C256	4030008630	S.CERAMIC C1608 JF 1C 104Z-T-A
C257	4030006860	S.CERAMIC C2012 JF 1C 105Z-T-A
C258	4030006860	S.CERAMIC C2012 JF 1C 105Z-T-A
C259	4550003260	S.TANTALUM TEMSVA 1V 684M-8L
C260	4030007130	S.CERAMIC C1608 CH 1H 101J-T-A
C261	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C262	4550003220	S.TANTALUM TEMSVA 1E 105M-8L
C263	4550003220	S.TANTALUM TEMSVA 1E 105M-8L
C264	4030004760	S.CERAMIC C2012 JF 1E 104Z-T-A
C266	4030008630	S.CERAMIC C1608 JF 1C 104Z-T-A
C267	4510004630	S.ELECTROLYTIC ECEV1CA100SR
C268	4030008630	S.CERAMIC C1608 JF 1C 104Z-T-A
C269	4550000270	S.TANTALUM TESVA 1E 474M1-8L
C272	4030008630	S.CERAMIC C1608 JF 1C 104Z-T-A
C288	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C289	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C290	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C291	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C292	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A

F1500

S.=Surface mount

[MAIN UNIT] (IC-F1500 only)

[MAIN UNIT] (IC-F1500 only)

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REF. NO.	ORDER NO.	DESCRIPTION	
C293	4030008860	S.CERAMIC	C1608 JB 1H 102K-T-A
C294	4030008860	S.CERAMIC	C1608 JB 1H 102K-T-A
C295	4030008860	S.CERAMIC	C1608 JB 1H 102K-T-A
C296	4030007100	S.CERAMIC	C1608 CH 1H 560J-T-A
C297	4030008860	S.CERAMIC	C1608 JB 1H 102K-T-A
C299	4030010740	S.CERAMIC	C1608 JB 1A 104K-T-A
C300	4030008860	S.CERAMIC	C1608 JB 1H 102K-T-A
C301	4030008860	S.CERAMIC	C1608 JB 1H 102K-T-A
C302	4030004760	S.CERAMIC	C2012 JF 1E 104Z-T-A
C303	4030008850	S.CERAMIC	C1608 JB 1H 471K-T-A
C305	4030009510	S.CERAMIC	C1608 CH 1H 010B-T-A
C306	4030009510	S.CERAMIC	C1608 CH 1H 010B-T-A
C307	4030010740	S.CERAMIC	C1608 JB 1A 104K-T-A
C308	4030009000	S.CERAMIC	C2012 JB 1C 224K-T-A
C310	4030007040	S.CERAMIC	C1608 CH 1H 180J-T-A
C311	4030006880	S.CERAMIC	C1608 CH 1H 070D-T-A
C312	4030007040	S.CERAMIC	C1608 CH 1H 180J-T-A
C314	4510005900	S.ELECTROLYTIC	ECEV0GA101SR
C315	4030009580	S.CERAMIC	C1608 JB 1H 681K-T-A
C316	4030010740	S.CERAMIC	C1608 JB 1A 104K-T-A
C318	4030006900	S.CERAMIC	C1608 JB 1E 103K-T-A
C319	4030008860	S.CERAMIC	C1608 JB 1H 102K-T-A
C320	4030008920	S.CERAMIC	C1608 JB 1C 473K-T-A
C321	4030007090	S.CERAMIC	C1608 CH 1H 470J-T-A
C322	4030007090	S.CERAMIC	C1608 CH 1H 470J-T-A
C323	4030008860	S.CERAMIC	C1608 JB 1H 102K-T-A
C324	4030007060	S.CERAMIC	C1608 CH 1H 270J-T-A
C326	4030008850	S.CERAMIC	C1608 JB 1H 471K-T-A
C327	4030008860	S.CERAMIC	C1608 JB 1H 102K-T-A
C328	4030008860	S.CERAMIC	C1608 JB 1H 102K-T-A
C329	4030008860	S.CERAMIC	C1608 JB 1H 102K-T-A
C330	4030010740	S.CERAMIC	C1608 JB 1A 104K-T-A
C332	4550002890	S.TANTALUM	TESVA 1A 225M1-8L
C333	4550002890	S.TANTALUM	TESVA 1A 225M1-8L
C334	4550002890	S.TANTALUM	TESVA 1A 225M1-8L
C336	4550002890	S.TANTALUM	TESVA 1A 225M1-8L
C337	4030007090	S.CERAMIC	C1608 CH 1H 470J-T-A
C338	4030007080	S.CERAMIC	C1608 CH 1H 390J-T-A
C339	4550003220	S.TANTALUM	TEMSVA 1E 105M-8L
C340	4030008860	S.CERAMIC	C1608 JB 1H 102K-T-A
C341	4030008860	S.CERAMIC	C1608 JB 1H 102K-T-A
C343	4030008860	S.CERAMIC	C1608 JB 1H 102K-T-A
C344	4030008860	S.CERAMIC	C1608 JB 1H 102K-T-A
C348	4030008860	S.CERAMIC	C1608 JB 1H 102K-T-A
C349	4030010740	S.CERAMIC	C1608 JB 1A 104K-T-A
C350	4030008860	S.CERAMIC	C1608 JB 1H 102K-T-A
C351	4030010740	S.CERAMIC	C1608 JB 1A 104K-T-A
C352	4030008860	S.CERAMIC	C1608 JB 1H 102K-T-A
C353	4030008860	S.CERAMIC	C1608 JB 1H 102K-T-A
C354	4030008860	S.CERAMIC	C1608 JB 1H 102K-T-A
C355	4030008860	S.CERAMIC	C1608 JB 1H 102K-T-A
C356	4030007090	S.CERAMIC	C1608 CH 1H 470J-T-A
C357	4030008860	S.CERAMIC	C1608 JB 1H 102K-T-A
C358	4030010740	S.CERAMIC	C1608 JB 1A 104K-T-A
C359	4030008860	S.CERAMIC	C1608 JB 1H 102K-T-A
C360	4030010210	S.CERAMIC	C3216 JB 1C 105M-T-A
C361	4030008860	S.CERAMIC	C1608 JB 1H 102K-T-A
C362	4030010740	S.CERAMIC	C1608 JB 1A 104K-T-A
C363	4030008860	S.CERAMIC	C1608 JB 1H 102K-T-A
C368	4510008090	S.ELECTROLYTIC	ECEV0GA470SR
C369	4030008860	S.CERAMIC	C1608 JB 1H 102K-T-A
C370	4030008860	S.CERAMIC	C1608 JB 1H 102K-T-A
C371	4030008860	S.CERAMIC	C1608 JB 1H 102K-T-A
C376	4030008850	S.CERAMIC	C1608 JB 1H 471K-T-A
C377	4030008860	S.CERAMIC	C1608 JB 1H 102K-T-A
C378	4030007090	S.CERAMIC	C1608 CH 1H 470J-T-A
C379	4030008850	S.CERAMIC	C1608 JB 1H 471K-T-A
C380	4030008860	S.CERAMIC	C1608 JB 1H 102K-T-A
C381	4030007090	S.CERAMIC	C1608 CH 1H 470J-T-A
C382	4030008850	S.CERAMIC	C1608 JB 1H 471K-T-A
C383	4030008860	S.CERAMIC	C1608 JB 1H 102K-T-A
C384	4030007090	S.CERAMIC	C1608 CH 1H 470J-T-A
C385	4030008850	S.CERAMIC	C1608 JB 1H 471K-T-A
C386	4030008860	S.CERAMIC	C1608 JB 1H 102K-T-A
C387	4030007090	S.CERAMIC	C1608 CH 1H 470J-T-A
C388	4030008850	S.CERAMIC	C1608 JB 1H 471K-T-A

REF. NO.	ORDER NO.	DESCRIPTION	
C389	4030006880	S.CERAMIC	C1608 JB 1H 102K-T-A
C390	4030006850	S.CERAMIC	C1608 JB 1H 471K-T-A
C391	4030007090	S.CERAMIC	C1608 CH 1H 470J-T-A
C392	4030006850	S.CERAMIC	C1608 JB 1H 471K-T-A
C393	4030007090	S.CERAMIC	C1608 CH 1H 470J-T-A
C394	4030006850	S.CERAMIC	C1608 JB 1H 471K-T-A
C395	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C396	4030007090	S.CERAMIC	C1608 CH 1H 470J-T-A
C397	4030006850	S.CERAMIC	C1608 JB 1H 471K-T-A
C398	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C399	4030006850	S.CERAMIC	C1608 JB 1H 471K-T-A
C400	4030007090	S.CERAMIC	C1608 CH 1H 470J-T-A
C401	4030006850	S.CERAMIC	C1608 JB 1H 471K-T-A
C402	4030006850	S.CERAMIC	C1608 JB 1H 471K-T-A
C403	4030006850	S.CERAMIC	C1608 JB 1H 471K-T-A
C404	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C405	4030007090	S.CERAMIC	C1608 CH 1H 470J-T-A
C406	4030006850	S.CERAMIC	C1608 JB 1H 471K-T-A
C407	4030006850	S.CERAMIC	C1608 JB 1H 471K-T-A
C408	4030006850	S.CERAMIC	C1608 JB 1H 471K-T-A
C409	4030007090	S.CERAMIC	C1608 CH 1H 470J-T-A
C410	4510005750	S.ELECTROLYTIC	ECEV1EA220SP
C411	4510005750	S.ELECTROLYTIC	ECEV1EA220SP
C412	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C413	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C414	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C421	4550006250	S.TANTALUM	TEMSVA 1A 106M-8L
C422	4030006880	S.CERAMIC	C1608 JB 1C 223K-T-A
J2	6450000140	CONNECTOR	HSJ0807-01-010
J4	6510019250	S.CONNECTOR	B11B-ZR-SM3-TF
J5	6510018040	CONNECTOR	52330-1217
J6	6510018430	S.CONNECTOR	AXN330C038P
J7	6510019270	S.CONNECTOR	52365-0691
W1	7030003860	S.JUMPER	ERJ3GE JPW V
W3	7030003860	S.JUMPER	ERJ3GE JPW V
W4	8900004540	CABLE	OPC-453
W6	7120000380	JUMPER	JPW 01 R-01
W7	7030003860	S.JUMPER	ERJ3GE JPW V
W8	7030003860	S.JUMPER	ERJ3GE JPW V
W9	7030003860	S.JUMPER	ERJ3GE JPW V
W10	7030003860	S.JUMPER	ERJ3GE JPW V
W11	7030003860	S.JUMPER	ERJ3GE JPW V [L-band, 25W]
W12	7030003860	S.JUMPER	ERJ3GE JPW V [H-band, 25W]
W13	7030003860	S.JUMPER	ERJ3GE JPW V [L-band, 10W]
W14	7030003860	S.JUMPER	ERJ3GE JPW V [H-band, 10W]
W30	7030003860	S.JUMPER	ERJ3GE JPW V
EP1	0910048100	PCB	B 4956
EP2	6910010220	BEAD	HF70BB3.5X5X1.3
EP3	6910010280	BEAD	HF70BB9.5X10.4X4.9

S.=Surface mount

[MAIN UNIT] (IC-F2500 only)

REF. NO.	ORDER NO.	DESCRIPTION	
IC1	1110003571	S.IC	MC3372SVMEL
IC2	1130007370	S.IC	TA75S558F(TE85L)
IC3	1130007090	S.IC	TA75W558FU(TE12L)
IC4	1130007090	S.IC	TA75W558FU(TE12L)
IC5	1190000350	S.IC	M62363FP-650C
IC7	1110003300	S.IC	M5282FP 70CD
IC8	1110003090	IC	LA4425A
IC9	1130006920	S.IC	TA75W01FU (TE12L)
IC10	1110003800	S.IC	NJM2904V-TE1
IC11	1150001670	IC	SC-1322 [L-band]
	1150001680	IC	SC-1323 [H-band]
IC12	1130007970	S.IC	MC145190FR2
IC13	1130007300	S.IC	TC4W66FU(TE12L)
IC16	1180001250	S.IC	TA7808F(TE16L)
IC17	1180000970	S.IC	AN78L05M-(E1)
IC18	1130007110	S.IC	TC7W04FU(TE12L)
IC19	1110001550	S.IC	S-8054ALB-LM-T1
IC20	1140003750	S.IC	HD6473877H (Z-TAT)
IC21	1130006920	S.IC	TA75W01FU (TE12L)
IC22	1110003410	S.IC	μPC5023GR-043-GJG-T2
IC25	1130007300	S.IC	TC4W66FU(TE12L)
IC26	1130007110	S.IC	TC7W04FU(TE12L)
IC27	1190000340	S.IC	X25160S(5V)
IC28	1110004050	S.IC	NJM3404AV-TE1
Q1	1580000680	S.FET	3SK272-(TX)
Q2	1580000590	S.FET	3SK166-0-T7
Q3	1530002920	S.TRANSISTOR	2SC4226-T2 R25
Q4	1530003170	S.TRANSISTOR	2SC4863-4-TR
Q5	1530002060	S.TRANSISTOR	2SC4081 T107 R
Q6	1590000680	S.TRANSISTOR	DTC114EU T107
Q7	1590000990	S.TRANSISTOR	DTC363EK T147
Q8	1590000680	S.TRANSISTOR	DTC114EU T107
Q9	1530002060	S.TRANSISTOR	2SC4081 T107 R
Q10	1530002060	S.TRANSISTOR	2SC4081 T107 R
Q11	1550000020	S.FET	2SJ377 (TE16R)
Q12	1550000020	S.FET	2SJ377 (TE16R)
Q14	1590000680	S.TRANSISTOR	DTC114EU T107
Q15	1530003291	S.TRANSISTOR	2SC4703-T1 SE
Q16	1530003420	S.TRANSISTOR	2SC5110-O (TE85R)
Q17	1530003420	S.TRANSISTOR	2SC5110-O (TE85R)
Q18	1530003420	S.TRANSISTOR	2SC5110-O (TE85R)
Q19	1530003420	S.TRANSISTOR	2SC5110-O (TE85R)
Q20	1530003420	S.TRANSISTOR	2SC5110-O (TE85R)
Q21	1530003420	S.TRANSISTOR	2SC5110-O (TE85R)
Q22	1590000680	S.TRANSISTOR	DTC114EU T107
Q23	1530003420	S.TRANSISTOR	2SC5110-O (TE85R)
Q24	1590000680	S.TRANSISTOR	DTC114EU T107
Q25	1590000680	S.TRANSISTOR	DTC114EU T107
Q26	1590001330	S.TRANSISTOR	DTA114EU T107
Q27	1590001330	S.TRANSISTOR	DTA114EU T107
Q28	1590001330	S.TRANSISTOR	DTA114EU T107
Q29	1560000530	S.FET	2SK880-GR (TE85R)
Q30	1590002290	S.TRANSISTOR	FMS2A T148
Q31	1590002300	S.TRANSISTOR	FMW2 T148
Q32	1530002060	S.TRANSISTOR	2SC4081 T107 R
Q33	1510000510	S.TRANSISTOR	2SA1576 T107 R
Q35	1530002060	S.TRANSISTOR	2SC4081 T107 R
Q36	1540000550	S.TRANSISTOR	2SD1684 T100Q
Q37	1590000680	S.TRANSISTOR	DTC114EU T107
Q38	1540000550	S.TRANSISTOR	2SD1684 T100Q
Q39	1590000680	S.TRANSISTOR	DTC114EU T107
Q40	1540000550	S.TRANSISTOR	2SD1684 T100Q
Q41	1590000680	S.TRANSISTOR	DTC114EU T107
Q42	1520000560	S.TRANSISTOR	2SB1123T-TD
Q43	1530003280	S.TRANSISTOR	2SC4211-6-TL
Q44	1560000810	S.FET	2SK1069-4-TL
Q48	1530002690	S.TRANSISTOR	2SC4116-GR (TE85R)
Q49	1590000680	S.TRANSISTOR	DTC114EU T107
Q50	1590001330	S.TRANSISTOR	DTA114EU T107
Q51	1590000680	S.TRANSISTOR	DTC114EU T107
Q55	1590001330	S.TRANSISTOR	DTA114EU T107
Q57	1590001330	S.TRANSISTOR	DTA114EU T107
Q58	1590000680	S.TRANSISTOR	DTC114EU T107
Q59	1590000680	S.TRANSISTOR	DTC114EU T107

[MAIN UNIT] (IC-F2500 only)

REF. NO.	ORDER NO.	DESCRIPTION	
Q60	1590000680	S.TRANSISTOR	DTC114EU T107
Q61	1530002060	S.TRANSISTOR	2SC4081 T107 R
Q62	1590001390	S.FET	2SJ144-Y (TE85R)
D1	1790000980	S.DIODE	MA742(TX)
D3	1790000980	S.DIODE	MA742(TX)
D4	1750000510	S.DIODE	UM9401F
D5	1710000730	S.DIODE	MI809-T11
D6	1710000730	S.DIODE	MI809-T11
D7	1720000370	S.VARICAP	HVU350TRF
D8	1720000370	S.VARICAP	HVU350TRF
D9	1720000370	S.VARICAP	HVU350TRF
D10	1720000370	S.VARICAP	HVU350TRF
D11	1720000370	S.VARICAP	HVU350TRF
D12	1750000300	S.DIODE	1SS302 (TE85R)
D15	1790000700	DIODE	DSA3A1
D16	1750000370	S.DIODE	DA221 TL
D17	1790000620	S.DIODE	MA77(TW)
D18	1790000620	S.DIODE	MA77(TW)
D19	1720000270	S.VARICAP	1SV217 (TPH2)
D20	1720000270	S.VARICAP	1SV217 (TPH2)
D21	1720000270	S.VARICAP	1SV217 (TPH2)
D22	1720000270	S.VARICAP	1SV217 (TPH2)
D23	1720000520	S.VARICAP	1T365-01-T8A
D27	1750000300	S.DIODE	1SS302 (TE85R)
D28	1750000300	S.DIODE	1SS302 (TE85R)
D29	1750000300	S.DIODE	1SS302 (TE85R)
D30	1750000390	S.DIODE	1SS353 TE-17
D31	1720000360	S.DIODE	HSU88TRF
D32	1790000980	S.DIODE	MA742(TX)
D33	1730002420	S.ZENER	MA8160(TX)
D35	1750000390	S.DIODE	1SS353 TE-17
D36	1750000390	S.DIODE	1SS353 TE-17
D37	1750000390	S.DIODE	1SS353 TE-17
D38	1750000390	S.DIODE	1SS353 TE-17
D40	1790001280	S.DIODE	MA111(TX)
D41	1790001280	S.DIODE	MA111(TX)
D44	1160000060	S.DIODE	DAN202U T107
D45	1750000390	S.DIODE	1SS353 TE-17
D46	1750000390	S.DIODE	1SS353 TE-17
FI1	2010001910	FILTER	FL-238 (30.875 MHz)
FI2	2020001030	CERAMIC	CFWS455G
X1	6050008810	XTAL	CR-473 (30.41909 MHz)
X2	6070000170	S.DISCR.	CDBC455CX16-TC
X3	6050009560	S.XTAL	CR-531 (12.8 MHz)
X4	6050008840	S.XTAL	CR-463 (6.8 MHz)
L1	6110003140	COIL	LA-502
L2	6110003140	COIL	LA-502
L3	6110003150	COIL	LA-505
L4	6200002540	S.COIL	33CS-655LY-03K=P3
L5	6200002540	S.COIL	33CS-655LY-03K=P3
L6	6170000230	COIL	LW-25
L7	6110003140	COIL	LA-502
L8	6200003690	S.COIL	MC152-E558ANA-100051=P3
L9	6200003690	S.COIL	MC152-E558ANA-100051=P3
	6200004110	S.COIL	MC152-E558ANA-100050 [L-band]
			[H-band]
L10	6200004440	S.COIL	ELJFC 4R7M-F
L11	6200003690	S.COIL	MC152-E558ANA-100051=P3
L12	6200003690	S.COIL	MC152-E558ANA-100051=P3
L13	6200003690	S.COIL	MC152-E558ANA-100051=P3
L14	6200003300	S.COIL	ELJNC R22K-F
L15	6200001630	S.COIL	ELJNC R10K-F
L16	6200003440	S.COIL	ELJNC 39NK-F
L17	6200003440	S.COIL	ELJNC 39NK-F
L18	6200004230	S.COIL	ELJNC R56K-F
L19	6200002710	S.COIL	ELJFC 1R8K-F
L23	6200001650	S.COIL	ELJNC 18NK-F

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S.=Surface mount

[MAIN UNIT] (IC-F2500 only)

REF. NO.	ORDER NO.	DESCRIPTION	
L24	6200001650	S.COIL	ELJNC 18NK-F
L25	6200001760	S.COIL	ELJNC 22NK-F
L26	6200004230	S.COIL	ELJNC R56K-F
L27	6200001760	S.COIL	ELJNC 22NK-F [L-band]
	6200001650	S.COIL	ELJNC 18NK-F [H-band]
L28	6200001760	S.COIL	ELJNC 22NK-F [L-band]
	6200001650	S.COIL	ELJNC 18NK-F [H-band]
L29	6200004230	S.COIL	ELJNC R56K-F
L30	6200004230	S.COIL	ELJNC R56K-F
L31	6200001650	S.COIL	ELJNC 18NK-F
L32	6200001760	S.COIL	ELJNC 22NK-F
L33	6200001760	S.COIL	ELJNC 22NK-F
L35	6200001620	S.COIL	ELJFC 1R0K-F
L37	6200001620	S.COIL	ELJFC 1R0K-F
L38	6200003690	S.COIL	MC152-E558ANA-100051=P3
L39	6200001620	S.COIL	ELJFC 1R0K-F
L40	6200004230	S.COIL	ELJNC R56K-F
L41	6200001620	S.COIL	ELJFC 1R0K-F
L42	6200004230	S.COIL	ELJNC R56K-F
L43	6200003690	S.COIL	MC152-E558ANA-100051=P3
L44	6200004230	S.COIL	ELJNC R56K-F
L45	6200002660	S.COIL	NL 252018T-4R7J
L46	6200004230	S.COIL	ELJNC R56K-F
L47	6200004230	S.COIL	ELJNC R56K-F
L48	6200004230	S.COIL	ELJNC R56K-F
L50	6200004230	S.COIL	ELJNC R56K-F
L51	6200001750	S.COIL	ELJNC 15NK-F
L52	6200004230	S.COIL	ELJNC R56K-F
L53	6200003660	S.COIL	MLF1608A 1R0K-T
L54	6200003660	S.COIL	MLF1608A 1R0K-T
L55	6200003660	S.COIL	MLF1608A 1R0K-T
L56	6200003660	S.COIL	MLF1608A 1R0K-T
L57	6200003660	S.COIL	MLF1608A 1R0K-T
L58	6200003660	S.COIL	MLF1608A 1R0K-T
L59	6200005130	S.COIL	NLC453232T-101K
L61	6170000320	COIL	LW-29
L62	6170000320	COIL	LW-29
L63	6200003660	S.COIL	MLF1608A 1R0K-T
L64	6200003660	S.COIL	MLF1608A 1R0K-T
L65	6200004210	S.COIL	MLR1608M 15NJ-T
L66	6200003660	S.COIL	MLF1608A 1R0K-T
R1	7030000220	S.RESISTOR	MCR10EZJH 47 Ω (470)
R2	7030004050	S.RESISTOR	ERJ3GEYJ 1R0 V (1 Ω)
R4	7030000220	S.RESISTOR	MCR10EZJH 47 Ω (470)
R5	7030004050	S.RESISTOR	ERJ3GEYJ 1R0 V (1 Ω)
R7	7030001170	S.RESISTOR	MCR50JZHJ 220 Ω (221)
R8	7030001170	S.RESISTOR	MCR50JZHJ 220 Ω (221)
R10	7030003700	S.RESISTOR	ERJ3GEYJ 154 V (150 kΩ)
R11	7030003700	S.RESISTOR	ERJ3GEYJ 154 V (150 kΩ)
R12	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)
R13	7030003700	S.RESISTOR	ERJ3GEYJ 154 V (150 kΩ)
	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ) [L-band]
			[H-band]
R14	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)
R15	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)
	7030003300	S.RESISTOR	ERJ3GEYJ 680 V (68 Ω) [L-band]
			[H-band]
R16	7030003700	S.RESISTOR	ERJ3GEYJ 154 V (150 kΩ)
R17	7030003700	S.RESISTOR	ERJ3GEYJ 154 V (150 kΩ)
R18	7030003700	S.RESISTOR	ERJ3GEYJ 154 V (150 kΩ)
R19	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R20	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R21	7030003360	S.RESISTOR	ERJ3GEYJ 221 V (220 Ω)
R22	7030003230	S.RESISTOR	ERJ3GEYJ 180 V (18 Ω)
R23	7030003370	S.RESISTOR	ERJ3GEYJ 271 V (270 Ω)
R24	7030003370	S.RESISTOR	ERJ3GEYJ 271 V (270 Ω)
R25	7030003380	S.RESISTOR	ERJ3GEYJ 331 V (330 Ω)
R26	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)
R27	7030003500	S.RESISTOR	ERJ3GEYJ 332 V (3.3 kΩ)
R28	7030003480	S.RESISTOR	ERJ3GEYJ 222 V (2.2 kΩ)
R29	7030003430	S.RESISTOR	ERJ3GEYJ 821 V (820 Ω)
R30	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)

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REF. NO.	ORDER NO.	DESCRIPTION	
R31	7030003520	S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ)
R32	7030003670	S.RESISTOR	ERJ3GEYJ 823 V (82 kΩ)
R35	7030003670	S.RESISTOR	ERJ3GEYJ 823 V (82 kΩ)
R36	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R37	7030003760	S.RESISTOR	ERJ3GEYJ 474 V (470 kΩ)
R38	7030003470	S.RESISTOR	ERJ3GEYJ 182 V (1.8 kΩ)
R39	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)
R40	7030003470	S.RESISTOR	ERJ3GEYJ 182 V (1.8 kΩ)
R41	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)
R42	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)
R44	7030003600	S.RESISTOR	ERJ3GEYJ 223 V (22 kΩ)
R45	7030003550	S.RESISTOR	ERJ3GEYJ 822 V (8.2 kΩ)
R46	7510000430	S.THERMISTOR	TN20-3K202LT
R47	7030003490	S.RESISTOR	ERJ3GEYJ 272 V (2.7 kΩ)
R48	7030003430	S.RESISTOR	ERJ3GEYJ 821 V (820 Ω)
R49	7030004050	S.RESISTOR	ERJ3GEYJ 1R0 V (1 Ω)
R51	7030004270	S.RESISTOR	ERJ3EKF 4121 V (4.12 kΩ)
R52	7030003480	S.RESISTOR	ERJ3GEYJ 222 V (2.2 kΩ)
R53	7030005490	S.RESISTOR	RR0816R-363-D (36 kΩ)
R56	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)
R57	7030003720	S.RESISTOR	ERJ3GEYJ 224 V (220 kΩ)
R58	7030003670	S.RESISTOR	ERJ3GEYJ 823 V (82 kΩ)
R59	7030003670	S.RESISTOR	ERJ3GEYJ 823 V (82 kΩ)
R60	7030003670	S.RESISTOR	ERJ3GEYJ 823 V (82 kΩ)
R61	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)
R62	7030003460	S.RESISTOR	ERJ3GEYJ 152 V (1.5 kΩ)
R63	7030004850	S.RESISTOR	ERJ3GEYF 913 V (91 kΩ)
R65	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)
R67	7030003520	S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ)
R68	7030003600	S.RESISTOR	ERJ3GEYJ 223 V (22 kΩ)
R69	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R70	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R71	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R73	7030003670	S.RESISTOR	ERJ3GEYJ 823 V (82 kΩ)
R74	7030003670	S.RESISTOR	ERJ3GEYJ 823 V (82 kΩ)
R77	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R80	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R81	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R85	7030003280	S.RESISTOR	ERJ3GEYJ 470 V (47 Ω)
R86	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R87	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R88	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R89	7030003600	S.RESISTOR	ERJ3GEYJ 223 V (22 kΩ)
R90	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R92	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R93	7030003460	S.RESISTOR	ERJ3GEYJ 152 V (1.5 kΩ)
R94	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R95	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R96	7030003520	S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ)
R97	7030003520	S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ)
R98	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)
R99	7030003590	S.RESISTOR	ERJ3GEYJ 183 V (18 kΩ)
R100	7030003530	S.RESISTOR	ERJ3GEYJ 562 V (5.6 kΩ)
	7030003520	S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ) [L-band]
			[H-band]
R101	7030003720	S.RESISTOR	ERJ3GEYJ 224 V (220 kΩ)
R102	7030003590	S.RESISTOR	ERJ3GEYJ 183 V (18 kΩ)
R103	7030003460	S.RESISTOR	ERJ3GEYJ 152 V (1.5 kΩ)
R104	7030003530	S.RESISTOR	ERJ3GEYJ 562 V (5.6 kΩ)
R107	7030003400	S.RESISTOR	ERJ3GEYJ 471 V (470 Ω)
R108	7030000140	S.RESISTOR	MCR10EZJH 10 Ω (100) [L-band]
			[H-band]
	7030000100	S.RESISTOR	MCR10EZJH 4.7 Ω (4R7) [H-band]
R109	7030003480	S.RESISTOR	ERJ3GEYJ 222 V (2.2 kΩ)
R110	7030003360	S.RESISTOR	ERJ3GEYJ 221 V (220 Ω)
	7030003340	S.RESISTOR	ERJ3GEYJ 151 V (150 Ω) [L-band]
			[H-band]
R111	7030000210	S.RESISTOR	MCR10EZJH 39 Ω (390) [L-band]
	7030000180	S.RESISTOR	MCR10EZJH 27 Ω (270) [H-band]

S.=Surface mount

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[MAIN UNIT] (IC-F2500 only)

REF. NO.	ORDER NO.	DESCRIPTION
R112	7030000210	S.RESISTOR MCR10EZHZ 39 Ω (390) [L-band]
	7030000200	S.RESISTOR MCR10EZHZ 33 Ω (330) [H-band]
R113	7030003240	S.RESISTOR ERJ3GEYJ 220 V (22 Ω) [L-band]
	7030004040	S.RESISTOR ERJ3GEYJ 4R7 V (4.7 Ω) [H-band]
R114	7030003240	S.RESISTOR ERJ3GEYJ 220 V (22 Ω)
R115	7030003500	S.RESISTOR ERJ3GEYJ 332 V (3.3 kΩ)
R116	7030003320	S.RESISTOR ERJ3GEYJ 101 V (100 Ω)
R117	7030003480	S.RESISTOR ERJ3GEYJ 152 V (1.5 kΩ)
R118	7030003380	S.RESISTOR ERJ3GEYJ 221 V (220 Ω)
R119	7030003520	S.RESISTOR ERJ3GEYJ 472 V (4.7 kΩ)
R120	7030003520	S.RESISTOR ERJ3GEYJ 472 V (4.7 kΩ)
R121	7030003490	S.RESISTOR ERJ3GEYJ 272 V (2.7 kΩ)
R122	7030003290	S.RESISTOR ERJ3GEYJ 580 V (58 Ω) [L-band]
	7030003230	S.RESISTOR ERJ3GEYJ 180 V (18 Ω) [H-band]
R123	7030003330	S.RESISTOR ERJ3GEYJ 121 V (120 Ω) [L-band]
	7030003370	S.RESISTOR ERJ3GEYJ 271 V (270 Ω) [H-band]
R124	7030003330	S.RESISTOR ERJ3GEYJ 121 V (120 Ω) [L-band]
	7030003370	S.RESISTOR ERJ3GEYJ 271 V (270 Ω) [H-band]
R125	7030003320	S.RESISTOR ERJ3GEYJ 101 V (100 Ω)
R126	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)
R127	7030003400	S.RESISTOR ERJ3GEYJ 471 V (470 Ω)
R128	7030003200	S.RESISTOR ERJ3GEYJ 100 V (10 Ω)
R129	7030003550	S.RESISTOR ERJ3GEYJ 822 V (8.2 kΩ)
R130	7030003400	S.RESISTOR ERJ3GEYJ 471 V (470 Ω)
R131	7030003200	S.RESISTOR ERJ3GEYJ 100 V (10 Ω)
R132	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)
R133	7030003400	S.RESISTOR ERJ3GEYJ 471 V (470 Ω)
R134	7030003440	S.RESISTOR ERJ3GEYJ 102 V (1 kΩ)
R135	7030003450	S.RESISTOR ERJ3GEYJ 122 V (1.2 kΩ)
R136	7030004040	S.RESISTOR ERJ3GEYJ 4R7 V (4.7 Ω)
R137	7030003380	S.RESISTOR ERJ3GEYJ 331 V (330 Ω)
R138	7030003530	S.RESISTOR ERJ3GEYJ 582 V (5.8 kΩ)
R139	7030003500	S.RESISTOR ERJ3GEYJ 332 V (3.3 kΩ)
R140	7030004040	S.RESISTOR ERJ3GEYJ 4R7 V (4.7 Ω)
R141	7030003380	S.RESISTOR ERJ3GEYJ 331 V (330 Ω)
R142	7510000780	S.THERMISTOR NTCCF2012 3SH 333KC-T
R143	7030003580	S.RESISTOR ERJ3GEYJ 103 V (10 kΩ)
R144	7030003720	S.RESISTOR ERJ3GEYJ 224 V (220 kΩ)
R145	7030003650	S.RESISTOR ERJ3GEYJ 583 V (58 kΩ)
R146	7030003280	S.RESISTOR ERJ3GEYJ 470 V (47 Ω)
R147	7030003280	S.RESISTOR ERJ3GEYJ 470 V (47 Ω)
R148	7030003280	S.RESISTOR ERJ3GEYJ 470 V (47 Ω)
R150	7030003580	S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) [L-band]
	7030003600	S.RESISTOR ERJ3GEYJ 223 V (22 kΩ) [H-band]
R151	7030003780	S.RESISTOR ERJ3GEYJ 474 V (470 kΩ) [L-band]
	7030003770	S.RESISTOR ERJ3GEYJ 584 V (580 kΩ) [H-band]
R152	7030003780	S.RESISTOR ERJ3GEYJ 474 V (470 kΩ) [L-band]
	7030003770	S.RESISTOR ERJ3GEYJ 584 V (580 kΩ) [H-band]
R153	7030003410	S.RESISTOR ERJ3GEYJ 581 V (580 Ω)
R154	7030003420	S.RESISTOR ERJ3GEYJ 681 V (680 Ω)
R155	7030003480	S.RESISTOR ERJ3GEYJ 152 V (1.5 kΩ) [L-band]
	7030003500	S.RESISTOR ERJ3GEYJ 332 V (3.3 kΩ) [H-band]
R156	7030003800	S.RESISTOR ERJ3GEYJ 105 V (1 MΩ)
R157	7030003800	S.RESISTOR ERJ3GEYJ 105 V (1 MΩ)
R158	7030003440	S.RESISTOR ERJ3GEYJ 102 V (1 kΩ)
R159	7030003440	S.RESISTOR ERJ3GEYJ 102 V (1 kΩ)
R160	7030003440	S.RESISTOR ERJ3GEYJ 102 V (1 kΩ)
R161	7030003620	S.RESISTOR ERJ3GEYJ 333 V (33 kΩ)

[MAIN UNIT] (IC-F2500 only)

REF. NO.	ORDER NO.	DESCRIPTION
R162	7030003200	S.RESISTOR ERJ3GEYJ 100 V (10 Ω)
R163	7030003320	S.RESISTOR ERJ3GEYJ 101 V (100 Ω)
R164	7030003640	S.RESISTOR ERJ3GEYJ 473 V (47 kΩ)
R165	7310003630	S.TRIMMER EVM-1XSX50 BQ4 (473)
R166	7030003640	S.RESISTOR ERJ3GEYJ 473 V (47 kΩ)
R169	7030003380	S.RESISTOR ERJ3GEYJ 221 V (220 Ω)
R170	7030003490	S.RESISTOR ERJ3GEYJ 272 V (2.7 kΩ)
R171	7030003440	S.RESISTOR ERJ3GEYJ 102 V (1 kΩ)
R172	7030003560	S.RESISTOR ERJ3GEYJ 103 V (10 kΩ)
R173	7030003560	S.RESISTOR ERJ3GEYJ 103 V (10 kΩ)
R184	7030003320	S.RESISTOR ERJ3GEYJ 101 V (100 Ω)
R185	7030003590	S.RESISTOR ERJ3GEYJ 183 V (18 kΩ)
R186	7030003440	S.RESISTOR ERJ3GEYJ 102 V (1 kΩ)
R187	7030003640	S.RESISTOR ERJ3GEYJ 473 V (47 kΩ)
R188	7030003610	S.RESISTOR ERJ3GEYJ 273 V (27 kΩ)
R189	7030003640	S.RESISTOR ERJ3GEYJ 473 V (47 kΩ)
R191	7030003400	S.RESISTOR ERJ3GEYJ 471 V (470 Ω)
R192	7030003600	S.RESISTOR ERJ3GEYJ 223 V (22 kΩ)
R193	7030003560	S.RESISTOR ERJ3GEYJ 103 V (10 kΩ)
R194	7030003450	S.RESISTOR ERJ3GEYJ 122 V (1.2 kΩ)
R195	7030003600	S.RESISTOR ERJ3GEYJ 223 V (22 kΩ)
R196	7030003610	S.RESISTOR ERJ3GEYJ 273 V (27 kΩ)
R197	7030003590	S.RESISTOR ERJ3GEYJ 183 V (18 kΩ)
R199	7030003590	S.RESISTOR ERJ3GEYJ 183 V (18 kΩ)
R200	7030003580	S.RESISTOR ERJ3GEYJ 103 V (10 kΩ)
R201	7030003600	S.RESISTOR ERJ3GEYJ 223 V (22 kΩ)
R202	7030003560	S.RESISTOR ERJ3GEYJ 103 V (10 kΩ)
R203	7030003560	S.RESISTOR ERJ3GEYJ 103 V (10 kΩ)
R204	7030003550	S.RESISTOR ERJ3GEYJ 822 V (8.2 kΩ)
R205	7030003540	S.RESISTOR ERJ3GEYJ 682 V (6.8 kΩ)
R206	7030003520	S.RESISTOR ERJ3GEYJ 472 V (4.7 kΩ)
R208	7030000460	S.RESISTOR MCR10EZHZ 4.7 kΩ (472)
R209	7030000460	S.RESISTOR MCR10EZHZ 4.7 kΩ (472)
R210	7030000460	S.RESISTOR MCR10EZHZ 4.7 kΩ (472)
R211	7030000460	S.RESISTOR MCR10EZHZ 4.7 kΩ (472)
R212	7030000460	S.RESISTOR MCR10EZHZ 4.7 kΩ (472)
R213	7030000460	S.RESISTOR MCR10EZHZ 4.7 kΩ (472)
R215	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)
R216	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)
R217	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)
R218	7030003440	S.RESISTOR ERJ3GEYJ 102 V (1 kΩ)
R219	7030003440	S.RESISTOR ERJ3GEYJ 102 V (1 kΩ)
R220	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)
R221	7030003800	S.RESISTOR ERJ3GEYJ 105 V (1 MΩ)
R226	7030003720	S.RESISTOR ERJ3GEYJ 224 V (220 kΩ) [L-band]
	7030003700	S.RESISTOR ERJ3GEYJ 154 V (150 kΩ) [H-band]
R228	7030003320	S.RESISTOR ERJ3GEYJ 101 V (100 Ω)
R230	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)
R231	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)
R232	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)
R238	7030003560	S.RESISTOR ERJ3GEYJ 103 V (10 kΩ)
R239	7030003560	S.RESISTOR ERJ3GEYJ 103 V (10 kΩ)
R240	7030003610	S.RESISTOR ERJ3GEYJ 273 V (27 kΩ)
R241	7030003580	S.RESISTOR ERJ3GEYJ 103 V (10 kΩ)
R242	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)
R243	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)
R244	7030003640	S.RESISTOR ERJ3GEYJ 473 V (47 kΩ)
R245	7030003640	S.RESISTOR ERJ3GEYJ 473 V (47 kΩ)
R246	7030003650	S.RESISTOR ERJ3GEYJ 583 V (58 kΩ)
R247	7030003750	S.RESISTOR ERJ3GEYJ 394 V (390 kΩ)
R248	7030003700	S.RESISTOR ERJ3GEYJ 154 V (150 kΩ)
R249	7030003580	S.RESISTOR ERJ3GEYJ 103 V (10 kΩ)
R250	7030003660	S.RESISTOR ERJ3GEYJ 683 V (68 kΩ)
R251	7030003410	S.RESISTOR ERJ3GEYJ 581 V (580 Ω)
R255	7030003560	S.RESISTOR ERJ3GEYJ 103 V (10 kΩ)
R256	7030003750	S.RESISTOR ERJ3GEYJ 394 V (390 kΩ)
R257	7030003600	S.RESISTOR ERJ3GEYJ 223 V (22 kΩ)
R259	7030003520	S.RESISTOR ERJ3GEYJ 472 V (4.7 kΩ)
R260	7030003320	S.RESISTOR ERJ3GEYJ 101 V (100 Ω)
R261	7030003760	S.RESISTOR ERJ3GEYJ 474 V (470 kΩ)
R262	7030003640	S.RESISTOR ERJ3GEYJ 473 V (47 kΩ)
R263	7030003560	S.RESISTOR ERJ3GEYJ 103 V (10 kΩ)
R267	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)
R268	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)

F-2500

S.=Surface mount

[MAIN UNIT] (IC-F2500 only)

[MAIN UNIT] (IC-F2500 only)

F2500

REF. NO.	ORDER NO.	DESCRIPTION	
R269	7030003720	S.RESISTOR	ERJ3GEYJ 224 V (220 kΩ)
R270	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R271	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R272	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R273	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R274	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R275	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R276	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R277	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R278	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R281	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R283	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (100 kΩ)
R284	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R285	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R286	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R291	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R292	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R293	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R294	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R295	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)
R296	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R297	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)
R298	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)
R299	7030003650	S.RESISTOR	ERJ3GEYJ 563 V (56 kΩ)
R300	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R301	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R302	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R303	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R304	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R305	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R306	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R307	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R308	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R309	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R310	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R312	7030003520	S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ)
R313	7030003730	S.RESISTOR	ERJ3GEYJ 274 V (270 kΩ)
R314	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)
R315	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)
R316	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)
R317	7030003620	S.RESISTOR	ERJ3GEYJ 333 V (33 kΩ)
R319	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)
R320	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)
R321	7030003620	S.RESISTOR	ERJ3GEYJ 333 V (33 kΩ)
			[L-band]
	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)
			[H-band]
R322	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R323	7030003800	S.RESISTOR	ERJ3GEYJ 105 V (1 MΩ)
R324	7030003800	S.RESISTOR	ERJ3GEYJ 105 V (1 MΩ)
R325	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R326	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R327	7030003800	S.RESISTOR	ERJ3GEYJ 105 V (1 MΩ)
R328	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R330	7030003620	S.RESISTOR	ERJ3GEYJ 333 V (33 kΩ)
R331	7030003610	S.RESISTOR	ERJ3GEYJ 273 V (27 kΩ)
R332	7030003520	S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ)
R333	7030003520	S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ)
R334	7030003360	S.RESISTOR	ERJ3GEYJ 221 V (220 Ω)
R336	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R340	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R341	7030003810	S.RESISTOR	ERJ3GEYJ 125 V (1.2 MΩ)
R342	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R343	7030003720	S.RESISTOR	ERJ3GEYJ 224 V (220 kΩ)
R344	7030003730	S.RESISTOR	ERJ3GEYJ 274 V (270 kΩ)
R345	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)
R346	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R347	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R349	7030003510	S.RESISTOR	ERJ3GEYJ 392 V (3.9 kΩ)
R353	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R355	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R356	7030003280	S.RESISTOR	ERJ3GEYJ 470 V (47 Ω)
			[L-band]
	7030003250	S.RESISTOR	ERJ3GEYJ 270 V (27 Ω)
			[H-band]
R357	7030003480	S.RESISTOR	ERJ3GEYJ 222 V (2.2 kΩ)

REF. NO.	ORDER NO.	DESCRIPTION	
R358	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R359	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R370	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R371	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R373	7030003520	S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ)
R374	7030003380	S.RESISTOR	ERJ3GEYJ 331 V (330 Ω)
R375	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R376	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)
R378	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R379	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R380	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R382	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)
R383	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)
R384	7030004050	S.RESISTOR	ERJ3GEYJ 1R0 V (1 Ω)
R385	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R386	7030003520	S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ)
R387	7030003550	S.RESISTOR	ERJ3GEYJ 822 V (8.2 kΩ)
R388	7030003450	S.RESISTOR	ERJ3GEYJ 122 V (1.2 kΩ)
R389	7510000880	S.THERMISTOR	NTCCF2012 3FH 222K-T
R390	7030003460	S.RESISTOR	ERJ3GEYJ 152 V (1.5 kΩ)
R391	7030003520	S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ)
R392	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)
R393	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R394	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R395	7030003800	S.RESISTOR	ERJ3GEYJ 105 V (1 MΩ)
R396	7030003800	S.RESISTOR	ERJ3GEYJ 105 V (1 MΩ)
R397	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R398	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R399	7030003480	S.RESISTOR	ERJ3GEYJ 222 V (2.2 kΩ)
R400	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R401	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R402	7030003240	S.RESISTOR	ERJ3GEYJ 220 V (22 Ω)
R403	7030003590	S.RESISTOR	ERJ3GEYJ 183 V (18 kΩ)
R404	7030004050	S.RESISTOR	ERJ3GEYJ 1R0 V (1 Ω)
C2	4030011080	S.CERAMIC	GRM42-6 CH 060D 500PT [L-band]
	4030011080	S.CERAMIC	GRM42-6 CH 040C 500PT [H-band]
C3	4030011050	S.CERAMIC	GRM42-6 CJ 030C 500PT [L-band]
	4030011020	S.CERAMIC	GRM42-6 CK 010C 500PT [H-band]
C4	4030008860	S.CERAMIC	C1608 JB 1H 102K-T-A
C5	4030008860	S.CERAMIC	C1608 JB 1H 102K-T-A
C8	4030008860	S.CERAMIC	C1608 JB 1H 102K-T-A
C7	4030008860	S.CERAMIC	C1608 JB 1H 102K-T-A
C8	4030011100	S.CERAMIC	GRM42-6 CH 080D 500PT [L-band]
	4030011080	S.CERAMIC	GRM42-6 CH 060D 500PT [H-band]
C9	4030011020	S.CERAMIC	GRM42-6 CK 010C 500PT
C10	4030011020	S.CERAMIC	GRM42-6 CK 010C 500PT
C11	4030011240	S.CERAMIC	GRM42-6 CH 470J 500PT
C12	4030011040	S.CERAMIC	GRM42-6 CK 020C 500PT
C13	4030006850	S.CERAMIC	C1608 JB 1H 471K-T-A
C14	4510004650	S.ELECTROLYTIC	ECEVE1EA4R7SR
C15	4030011070	S.CERAMIC	GRM42-6 CH 050C 500PT [L-band]
	4030011050	S.CERAMIC	GRM42-6 CJ 030C 500PT [H-band]
C16	4030011090	S.CERAMIC	GRM42-6 CH 070D 500PT [L-band]
	4030011080	S.CERAMIC	GRM42-6 CH 040C 500PT [H-band]
C17	4030011100	S.CERAMIC	GRM42-6 CH 080D 500PT
C18	4030006940	S.CERAMIC	C1608 CH 1H 030C-T-A
C19	4030006930	S.CERAMIC	C1608 CH 1H 020C-T-A [L-band]
	4030009540	S.CERAMIC	C1608 CH 1H 1R5B-T-A [H-band]
C20	4030009500	S.CERAMIC	C1608 CH 1H 0R5B-T-A
C21	4030009510	S.CERAMIC	C1608 CH 1H 010B-T-A [25W]
C22	4030006960	S.CERAMIC	C1608 CH 1H 050C-T-A

S.=Surface mount



[MAIN UNIT] (IC-F2500 only)

REF. NO.	ORDER NO.	DESCRIPTION
C23	4030008960	S.CERAMIC C1808 CH 1H 050C-T-A [L-band]
	4030008950	S.CERAMIC C1808 CH 1H 040C-T-A [H-band]
C24	4030008954	S.CERAMIC C1808 CH 1H 1R5B-T-A [L-band]
	4030008950	S.CERAMIC C1808 CH 1H 040C-T-A [H-band]
C25	4030008960	S.CERAMIC C1808 CH 1H 050C-T-A [L-band]
	4030008990	S.CERAMIC C1808 CH 1H 080D-T-A [H-band]
C27	4030008954	S.CERAMIC C1808 CH 1H 1R5B-T-A [L-band]
	4030008950	S.CERAMIC C1808 CH 1H 0R5B-T-A [H-band]
C28	4030008860	S.CERAMIC C1808 JB 1H 102K-T-A
C29	4030008860	S.CERAMIC C1808 JB 1H 102K-T-A
C30	4030008970	S.CERAMIC C1808 CH 1H 080D-T-A [L-band]
	4030008920	S.CERAMIC C1808 CH 1H 050B-T-A [H-band]
C31	4030008950	S.CERAMIC C1808 CH 1H 0R5B-T-A
C32	4030008970	S.CERAMIC C1808 CH 1H 080D-T-A [L-band]
	4030008920	S.CERAMIC C1808 CH 1H 050B-T-A [H-band]
C33	40300089350	S.CERAMIC C1808 CH 1H 3R5B-T-A [L-band]
	4030008954	S.CERAMIC C1808 CH 1H 1R5B-T-A [H-band]
C34	4030008950	S.CERAMIC C1808 CH 1H 0R5B-T-A
C35	4030008960	S.CERAMIC C1808 CH 1H 050C-T-A [L-band]
	4030008950	S.CERAMIC C1808 CH 1H 040C-T-A [H-band]
C36	4030008940	S.CERAMIC C1808 CH 1H 030C-T-A [L-band]
	40300089510	S.CERAMIC C1808 CH 1H 010B-T-A [H-band]
C37	4030008970	S.CERAMIC C1808 CH 1H 080D-T-A [L-band]
	4030008920	S.CERAMIC C1808 CH 1H 050B-T-A [H-band]
C39	4030008860	S.CERAMIC C1808 JB 1H 102K-T-A
C40	4030008950	S.CERAMIC C1808 CH 1H 040C-T-A
C41	4030007030	S.CERAMIC C1808 CH 1H 150J-T-A
C42	4030008950	S.CERAMIC C1808 CH 1H 040C-T-A [L-band]
	4030008930	S.CERAMIC C1808 CH 1H 020C-T-A [H-band]
C43	4030008860	S.CERAMIC C1808 JB 1H 102K-T-A
C44	4030008860	S.CERAMIC C1808 JB 1H 102K-T-A
C45	4030008860	S.CERAMIC C1808 JB 1H 102K-T-A
C46	4030008860	S.CERAMIC C1808 JB 1H 102K-T-A
C47	4030007010	S.CERAMIC C1808 CH 1H 100D-T-A
C48	4550002890	S.TANTALUM TESVA 1A 225M1-8L
C49	4030008900	S.CERAMIC C1808 JB 1E 103K-T-A
C51	4030007050	S.CERAMIC C1808 CH 1H 220J-T-A
C52	4030007100	S.CERAMIC C1808 CH 1H 580J-T-A
C53	4030010070	S.CERAMIC C1808 X7S 1C 104K-T-A
C54	4030007030	S.CERAMIC C1808 CH 1H 150J-T-A
C55	4030007170	S.CERAMIC C1808 CH 1H 221J-T-A
C56	4030008860	S.CERAMIC C1808 JB 1H 102K-T-A
C57	4030010070	S.CERAMIC C1808 X7S 1C 104K-T-A
C58	4030010070	S.CERAMIC C1808 X7S 1C 104K-T-A
C59	4030007140	S.CERAMIC C1808 CH 1H 121J-T-A
C60	4030011310	S.CERAMIC C2012 JB 1A 584K-T-A
C61	4550002890	S.TANTALUM TESVA 1A 225M1-8L
C62	4030007160	S.CERAMIC C1808 CH 1H 181J-T-A
C63	4030007160	S.CERAMIC C1808 CH 1H 181J-T-A
C64	4030008860	S.CERAMIC C1808 JB 1H 102K-T-A
C65	4030008860	S.CERAMIC C1808 JB 1H 102K-T-A
C66	4030008860	S.CERAMIC C1808 JB 1H 102K-T-A
C67	4030008920	S.CERAMIC C1808 JB 1C 473K-T-A
C68	4030008920	S.CERAMIC C1808 JB 1C 473K-T-A

[MAIN UNIT] (IC-F2500 only)

REF. NO.	ORDER NO.	DESCRIPTION
C69	4030008920	S.CERAMIC C1808 JB 1C 473K-T-A
C70	4030008920	S.CERAMIC C1808 JB 1C 473K-T-A
C71	4030008920	S.CERAMIC C1808 JB 1C 473K-T-A
C72	4550002890	S.TANTALUM TESVA 1A 225M1-8L
C73	4030010070	S.CERAMIC C1808 X7S 1C 104K-T-A
C74	4030010070	S.CERAMIC C1808 X7S 1C 104K-T-A
C75	4550000460	S.TANTALUM TESVA 1C 105M1-8L
C76	4030008970	S.CERAMIC C2012 JB 1C 124K-T-A
C77	4030010040	S.CERAMIC C1808 JB 1H 561K-T-A
C78	4550002890	S.TANTALUM TESVA 1A 225M1-8L
C79	4030010070	S.CERAMIC C1808 X7S 1C 104K-T-A
C80	4030008910	S.CERAMIC C1808 JB 1C 393K-T-A
C81	4030009980	S.CERAMIC C1808 JB 1H 152K-T-A
C83	4030010070	S.CERAMIC C1808 X7S 1C 104K-T-A
C84	4550002890	S.TANTALUM TESVA 1A 225M1-8L
C85	4030010070	S.CERAMIC C1808 X7S 1C 104K-T-A
C86	4030010070	S.CERAMIC C1808 X7S 1C 104K-T-A
C87	4550002890	S.TANTALUM TESVA 1A 225M1-8L
C90	4550008250	S.TANTALUM TEMSVA 1A 106M-8L
C91	4030008880	S.CERAMIC C1808 JB 1H 472K-T-A
C92	4030010070	S.CERAMIC C1808 X7S 1C 104K-T-A
C93	4510005290	S.ELECTROLYTIC ECEV1EA221P
C94	4510008260	S.ELECTROLYTIC ECEV1AA471UP
C95	4030010070	S.CERAMIC C1808 X7S 1C 104K-T-A
C97	4030008860	S.CERAMIC C1808 JB 1H 102K-T-A
C98	4550002890	S.TANTALUM TESVA 1A 225M1-8L
C100	4030008830	S.CERAMIC C1808 SL 1H 331J-T-A
C101	4030008900	S.CERAMIC C1808 JB 1E 103K-T-A
C102	4030008900	S.CERAMIC C1808 JB 1E 103K-T-A
C103	4030008900	S.CERAMIC C1808 JB 1E 103K-T-A
C104	4550002890	S.TANTALUM TESVA 1A 225M1-8L
C105	4030008880	S.CERAMIC C1808 JB 1H 102K-T-A
C106	4030008860	S.CERAMIC C1808 JB 1H 102K-T-A
C107	4550003170	S.TANTALUM TEMSVA 1D 155M-8L
C108	4030008860	S.CERAMIC C1808 JB 1H 102K-T-A
C115	4510004510	Electrolytic 25 MV 470 HC
C116	4030008850	S.CERAMIC C1808 JB 1H 471K-T-A
C117	4030008900	S.CERAMIC C1808 JB 1E 103K-T-A
C118	4030008860	S.CERAMIC C1808 JB 1H 102K-T-A
C119	4510005750	S.ELECTROLYTIC ECEV1EA220SP
C120	4510005750	S.ELECTROLYTIC ECEV1EA220SP
C121	4030008860	S.CERAMIC C1808 JB 1H 102K-T-A
C122	4030008860	S.CERAMIC C1808 JB 1H 102K-T-A
C123	4030007090	S.CERAMIC C1808 CH 1H 470J-T-A
C124	4510005750	S.ELECTROLYTIC ECEV1EA220SP
C125	4030008860	S.CERAMIC C1808 JB 1H 102K-T-A
C126	4030008980	S.CERAMIC C1808 CH 1H 050C-T-A
C127	4030007010	S.CERAMIC C1808 CH 1H 100D-T-A
C128	4030008980	S.CERAMIC C1808 CH 1H 050C-T-A
C129	4030008980	S.CERAMIC C1808 CH 1H 070D-T-A
C130	4030008860	S.CERAMIC C1808 JB 1H 102K-T-A
C131	4030008850	S.CERAMIC C1808 JB 1H 471K-T-A
C132	4030008970	S.CERAMIC C1808 CH 1H 080D-T-A [L-band]
	4030008940	S.CERAMIC C1808 CH 1H 030C-T-A [H-band]
C133	4030008860	S.CERAMIC C1808 JB 1H 102K-T-A
C134	4030008860	S.CERAMIC C1808 JB 1H 102K-T-A
C135	4030008850	S.CERAMIC C1808 JB 1H 471K-T-A
C136	4030008850	S.CERAMIC C1808 JB 1H 471K-T-A
C137	4030008860	S.CERAMIC C1808 JB 1H 102K-T-A
C138	4030008980	S.CERAMIC C1808 CH 1H 070D-T-A [L-band]
	4030008940	S.CERAMIC C1808 CH 1H 030C-T-A [H-band]
C139	4030008860	S.CERAMIC C1808 JB 1H 102K-T-A
C140	4030008860	S.CERAMIC C1808 JB 1H 102K-T-A
C141	4030007030	S.CERAMIC C1808 CH 1H 150J-T-A [L-band]
	4030008960	S.CERAMIC C1808 CH 1H 050C-T-A [H-band]
C142	4030008860	S.CERAMIC C1808 JB 1H 102K-T-A
C143	4030008970	S.CERAMIC C1808 CH 1H 080D-T-A
C144	4030008970	S.CERAMIC C1808 CH 1H 080D-T-A
C145	4030008850	S.CERAMIC C1808 JB 1H 471K-T-A

F2500

S.=Surface mount

[MAIN UNIT] (IC-F2500 only)

[MAIN UNIT] (IC-F2500 only)

F2500

REF. NO.	ORDER NO.	DESCRIPTION	
C146	4030006960	S.CERAMIC	C1808 CH 1H 050C-T-A [L-band]
	4030006970	S.CERAMIC	C1808 CH 1H 060D-T-A [H-band]
C147	4030006860	S.CERAMIC	C1808 JB 1H 102K-T-A
C148	4030006860	S.CERAMIC	C1808 JB 1H 102K-T-A
C149	4030006860	S.CERAMIC	C1808 JB 1H 102K-T-A
C150	4030006960	S.CERAMIC	C1808 CH 1H 050C-T-A
C151	4030006960	S.CERAMIC	C1808 CH 1H 050C-T-A
C152	4030006850	S.CERAMIC	C1808 JB 1H 471K-T-A
C153	4030006860	S.CERAMIC	C1808 JB 1H 102K-T-A
C154	4550006250	S.TANTALUM	TEMSVA 1A 106M-8L
C155	4030006850	S.CERAMIC	C1808 JB 1H 471K-T-A
C156	4030006860	S.CERAMIC	C1808 JB 1H 102K-T-A
C157	4030006850	S.CERAMIC	C1808 JB 1H 471K-T-A
C158	4030009500	S.CERAMIC	C1808 CH 1H 0R5B-T-A
C159	4030006850	S.CERAMIC	C1808 JB 1H 471K-T-A
C160	4030006850	S.CERAMIC	C1808 JB 1H 471K-T-A
C161	4030006860	S.CERAMIC	C1808 JB 1H 102K-T-A
C162	4030006850	S.CERAMIC	C1808 JB 1H 471K-T-A
C163	4030009500	S.CERAMIC	C1808 CH 1H 0R5B-T-A
C164	4030006850	S.CERAMIC	C1808 JB 1H 471K-T-A
C165	4030009990	S.CERAMIC	C1808 CH 1H 200J-T-A [L-band]
	4030006980	S.CERAMIC	C1808 CH 1H 070D-T-A [H-band]
C166	4030007000	S.CERAMIC	C1808 CH 1H 090D-T-A [L-band]
	4030007020	S.CERAMIC	C1808 CH 1H 120J-T-A [H-band]
C167	4030007030	S.CERAMIC	C1808 CH 1H 150J-T-A [L-band]
	4030006980	S.CERAMIC	C1808 CH 1H 070D-T-A [H-band]
C168	4030006980	S.CERAMIC	C1808 CH 1H 070D-T-A [L-band]
	4030006970	S.CERAMIC	C1808 CH 1H 060D-T-A [H-band]
C169	4030006860	S.CERAMIC	C1808 JB 1H 102K-T-A
C170	4030006970	S.CERAMIC	C1808 CH 1H 060D-T-A [L-band]
	4030006960	S.CERAMIC	C1808 CH 1H 050C-T-A [H-band]
C171	4030009990	S.CERAMIC	C1808 CH 1H 200J-T-A [L-band]
	4030006940	S.CERAMIC	C1808 CH 1H 030C-T-A [H-band]
C172	4030007000	S.CERAMIC	C1808 CH 1H 090D-T-A [L-band]
	4030006950	S.CERAMIC	C1808 CH 1H 040C-T-A [H-band]
C173	4030006980	S.CERAMIC	C1808 CH 1H 070D-T-A [L-band]
	4030006980	S.CERAMIC	C1808 CH 1H 050C-T-A [H-band]
C174	4030009560	S.CERAMIC	C1808 CH 1H R75B-T-A [L-band]
	4030009500	S.CERAMIC	C1808 CH 1H 0R5B-T-A [H-band]
C175	4030007130	S.CERAMIC	C1808 CH 1H 101J-T-A
C176	4030007070	S.CERAMIC	C1808 CH 1H 330J-T-A
C177	4030006850	S.CERAMIC	C1808 JB 1H 471K-T-A
C179	4550000550	S.TANTALUM	TESVA 1V 224M1-8L
C181	4550003220	S.TANTALUM	TEMSVA 1E 105M-8L
C182	4510005750	S.ELECTROLYTIC	ECEV1EA220SP
C183	4030006860	S.CERAMIC	C1808 JB 1H 102K-T-A
C184	4030006860	S.CERAMIC	C1808 JB 1H 102K-T-A
C185	4550002890	S.TANTALUM	TESVA 1A 225M1-8L
C186	4030006860	S.CERAMIC	C1808 JB 1H 102K-T-A
C187	4510004630	S.ELECTROLYTIC	ECEV1CA100SR
C188	4030006850	S.CERAMIC	C1808 JB 1H 471K-T-A
C191	4030006860	S.CERAMIC	C1808 JB 1H 472K-T-A
C200	4550002890	S.TANTALUM	TESVA 1A 225M1-8L
C201	4030010070	S.CERAMIC	C1808 X7S 1C 104K-T-A
C202	4030010070	S.CERAMIC	C1808 X7S 1C 104K-T-A
C203	4030010070	S.CERAMIC	C1808 X7S 1C 104K-T-A

REF. NO.	ORDER NO.	DESCRIPTION	
C204	4550000460	S.TANTALUM	TESVA 1C 105M1-8L
C205	4030004760	S.CERAMIC	C2012 JF 1E 104Z-T-A
C206	4510005290	S.ELECTROLYTIC	ECEV1EA221P
C207	4510004630	S.ELECTROLYTIC	ECEV1CA100SR
C208	4550003220	S.TANTALUM	TEMSVA 1E 105M-8L
C209	4550006480	S.TANTALUM	TEMSVA 1C 475M-8L
C210	4550003220	S.TANTALUM	TEMSVA 1E 105M-8L
C211	4550003220	S.TANTALUM	TEMSVA 1E 105M-8L
C212	4030006860	S.CERAMIC	C1808 JB 1H 102K-T-A
C214	4510004420	S.ELECTROLYTIC	ECEV0JV330SR
C215	4030007070	S.CERAMIC	C1808 CH 1H 330J-T-A
C216	4030006980	S.CERAMIC	C1808 CH 1H 070D-T-A
C217	4030007050	S.CERAMIC	C1808 CH 1H 220J-T-A
C218	4550006480	S.TANTALUM	TEMSVA 1C 475M-8L
C224	4030008920	S.CERAMIC	C1808 JB 1C 473K-T-A
C225	4030010240	S.CERAMIC	C1808 JB 1H 391K-T-A
C226	4550000460	S.TANTALUM	TESVA 1C 105M1-8L
C228	4030009880	S.CERAMIC	C1808 JB 1H 682K-T-A
C229	4550006250	S.TANTALUM	TEMSVA 1A 106M-8L
C230	4550002890	S.TANTALUM	TESVA 1A 225M1-8L
C231	4030006860	S.CERAMIC	C1808 JB 1H 102K-T-A
C233	4030010070	S.CERAMIC	C1808 X7S 1C 104K-T-A
C235	4550006250	S.TANTALUM	TEMSVA 1A 106M-8L
C237	4550006250	S.TANTALUM	TEMSVA 1A 106M-8L
C238	4030007140	S.CERAMIC	C1808 CH 1H 121J-T-A
C239	4030006900	S.CERAMIC	C1808 JB 1E 103K-T-A
C240	4030006870	S.CERAMIC	C1808 JB 1H 222K-T-A
C242	4030006860	S.CERAMIC	C1808 JB 1H 102K-T-A
C243	4550002890	S.TANTALUM	TESVA 1A 225M1-8L
C244	4030008920	S.CERAMIC	C1808 JB 1C 473K-T-A
C245	4550002890	S.TANTALUM	TESVA 1A 225M1-8L
C246	4030008870	S.CERAMIC	C1808 JB 1C 183K-T-A
C250	4030010070	S.CERAMIC	C1808 X7S 1C 104K-T-A
C251	4030010070	S.CERAMIC	C1808 X7S 1C 104K-T-A
C252	4030006860	S.CERAMIC	C1808 JB 1H 102K-T-A
C253	4550006050	S.TANTALUM	TEMSVA 0J 106M8L
C254	4550006250	S.TANTALUM	TEMSVA 1A 106M-8L
C255	4550000460	S.TANTALUM	TESVA 1C 105M1-8L
C256	4030010070	S.CERAMIC	C1808 X7S 1C 104K-T-A
C257	4030006860	S.CERAMIC	C2012 JF 1C 105Z-T-A
C258	4030006860	S.CERAMIC	C2012 JF 1C 105Z-T-A
C259	4550003260	S.TANTALUM	TEMSVA 1V 684M-8L
C260	4030007130	S.CERAMIC	C1808 CH 1H 101J-T-A
C261	4030006860	S.CERAMIC	C1808 JB 1H 102K-T-A
C262	4550003220	S.TANTALUM	TEMSVA 1E 105M-8L
C263	4550003220	S.TANTALUM	TEMSVA 1E 105M-8L
C264	4030004760	S.CERAMIC	C2012 JF 1E 104Z-T-A
C266	4030010070	S.CERAMIC	C1808 X7S 1C 104K-T-A
C267	4510004630	S.ELECTROLYTIC	ECEV1CA100SR
C268	4030010070	S.CERAMIC	C1808 X7S 1C 104K-T-A
C269	4550000270	S.TANTALUM	TESVA 1E 474M1-8L
C272	4030010070	S.CERAMIC	C1808 X7S 1C 104K-T-A
C288	4030006860	S.CERAMIC	C1808 JB 1H 102K-T-A
C289	4030006850	S.CERAMIC	C1808 JB 1H 471K-T-A
C290	4030006860	S.CERAMIC	C1808 JB 1H 102K-T-A
C291	4030006860	S.CERAMIC	C1808 JB 1H 102K-T-A
C292	4030006860	S.CERAMIC	C1808 JB 1H 102K-T-A
C293	4030006860	S.CERAMIC	C1808 JB 1H 102K-T-A
C294	4030006860	S.CERAMIC	C1808 JB 1H 102K-T-A
C295	4030006860	S.CERAMIC	C1808 JB 1H 102K-T-A
C296	4030007120	S.CERAMIC	C1808 CH 1H 820J-T-A
C297	4030006860	S.CERAMIC	C1808 JB 1H 102K-T-A
C299	4030006860	S.CERAMIC	C1808 JB 1H 102K-T-A
C300	4030006860	S.CERAMIC	C1808 JB 1H 102K-T-A
C301	4030006860	S.CERAMIC	C1808 JB 1H 102K-T-A
C302	4030010070	S.CERAMIC	C1808 X7S 1C 104K-T-A
C303	4030006850	S.CERAMIC	C1808 JB 1H 471K-T-A
C304	4030006870	S.CERAMIC	C1808 JB 1H 222K-T-A
C305	4030009570	S.CERAMIC	C1808 CH 1H 0R3B-T-A
C306	4030009570	S.CERAMIC	C1808 CH 1H 0R3B-T-A [L-band]
	4030009500	S.CERAMIC	C1808 CH 1H 0R5B-T-A [H-band]
C307	4030006860	S.CERAMIC	C1808 JB 1H 102K-T-A
C308	4030006850	S.CERAMIC	C1808 JB 1H 471K-T-A
C309	4030010070	S.CERAMIC	C1808 X7S 1C 104K-T-A

S.=Surface mount

[MAIN UNIT] (IC-F2500 only)

REF. NO.	ORDER NO.	DESCRIPTION
C311	4510005900	S.ELECTROLYTIC ECEV0GA101SR
C312	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C313	4030006870	S.CERAMIC C1608 JB 1H 222K-T-A
C314	4030010070	S.CERAMIC C1608 X7S 1C 104K-T-A
C315	4030006900	S.CERAMIC C1608 JB 1E 103K-T-A
C316	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C317	4030010070	S.CERAMIC C1608 X7S 1C 104K-T-A
C318	4030006850	S.CERAMIC C1608 JB 1H 471K-T-A
C319	4030006850	S.CERAMIC C1608 JB 1H 471K-T-A
C320	4030011070	S.CERAMIC GRM42-8 CH 050C 500PT [L-band]
	4030011050	S.CERAMIC GRM42-8 CJ 030C 500PT [H-band]
C321	4030009510	S.CERAMIC C1608 CH 1H 010B-T-A
C323	4030006960	S.CERAMIC C1608 CH 1H 050C-T-A [L-band]
	4030006940	S.CERAMIC C1608 CH 1H 030C-T-A [H-band]
C324	4030008920	S.CERAMIC C1608 JB 1C 473K-T-A
C325	4030007090	S.CERAMIC C1608 CH 1H 470J-T-A
C327	4030006850	S.CERAMIC C1608 JB 1H 471K-T-A
C329	4030010070	S.CERAMIC C1608 X7S 1C 104K-T-A
C331	4030006990	S.CERAMIC C1608 CH 1H 080D-T-A [L-band]
	4030006960	S.CERAMIC C1608 CH 1H 050C-T-A [H-band]
C332	4030006990	S.CERAMIC C1608 CH 1H 080D-T-A [L-band]
	4030006960	S.CERAMIC C1608 CH 1H 050C-T-A [H-band]
C335	4030006850	S.CERAMIC C1608 JB 1H 471K-T-A
C338	4030007090	S.CERAMIC C1608 CH 1H 470J-T-A
C339	4030006850	S.CERAMIC C1608 JB 1H 471K-T-A
C340	4030007090	S.CERAMIC C1608 CH 1H 470J-T-A
C341	4030007090	S.CERAMIC C1608 CH 1H 470J-T-A
C342	4550002890	S.TANTALUM TESVA 1A 225M1-8L
C343	4550002890	S.TANTALUM TESVA 1A 225M1-8L
C344	4550002890	S.TANTALUM TESVA 1A 225M1-8L
C346	4030006850	S.CERAMIC C1608 JB 1H 471K-T-A
C347	4030007090	S.CERAMIC C1608 CH 1H 470J-T-A
C349	4030007090	S.CERAMIC C1608 CH 1H 470J-T-A
C350	4030007090	S.CERAMIC C1608 CH 1H 470J-T-A
C351	4030010070	S.CERAMIC C1608 X7S 1C 104K-T-A
C352	4550006480	S.TANTALUM TEMSVA 1C 475M-8L
C353	4030010070	S.CERAMIC C1608 X7S 1C 104K-T-A
C354	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C355	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C356	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C357	4550002890	S.TANTALUM TESVA 1A 225M1-8L
C358	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C359	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C361	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C362	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C363	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C364	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C365	4030010070	S.CERAMIC C1608 X7S 1C 104K-T-A
C366	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C367	4030010210	S.CERAMIC C3216 JB 1C 105M-T-A
C368	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C371	4030007090	S.CERAMIC C1608 CH 1H 470J-T-A
C373	4030007090	S.CERAMIC C1608 CH 1H 470J-T-A
C374	4550006480	S.TANTALUM TEMSVA 1C 475M-8L
C375	4510006090	S.ELECTROLYTIC ECEV0GA470SR
C376	4030007090	S.CERAMIC C1608 CH 1H 470J-T-A
C377	4030006850	S.CERAMIC C1608 JB 1H 471K-T-A
C378	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C379	4030007090	S.CERAMIC C1608 CH 1H 470J-T-A
C380	4030006850	S.CERAMIC C1608 JB 1H 471K-T-A
C381	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C382	4030007090	S.CERAMIC C1608 CH 1H 470J-T-A
C383	4030006850	S.CERAMIC C1608 JB 1H 471K-T-A
C384	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C385	4510005750	S.ELECTROLYTIC ECEV1EA220SP
C386	4030006850	S.CERAMIC C1608 JB 1H 471K-T-A
C387	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C388	4030007090	S.CERAMIC C1608 CH 1H 470J-T-A

[MAIN UNIT] (IC-F2500 only)

REF. NO.	ORDER NO.	DESCRIPTION
C389	4030006850	S.CERAMIC C1608 JB 1H 471K-T-A
C390	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C392	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C393	4030007090	S.CERAMIC C1608 CH 1H 470J-T-A
C394	4030007090	S.CERAMIC C1608 CH 1H 470J-T-A
C395	4030007090	S.CERAMIC C1608 CH 1H 470J-T-A
C396	4030007090	S.CERAMIC C1608 CH 1H 470J-T-A
C397	4030007090	S.CERAMIC C1608 CH 1H 470J-T-A
C398	4030007090	S.CERAMIC C1608 CH 1H 470J-T-A
C399	4030007090	S.CERAMIC C1608 CH 1H 470J-T-A
C400	4030007090	S.CERAMIC C1608 CH 1H 470J-T-A
C401	4030007090	S.CERAMIC C1608 CH 1H 470J-T-A
C402	4030007090	S.CERAMIC C1608 CH 1H 470J-T-A
C403	4030007090	S.CERAMIC C1608 CH 1H 470J-T-A
C404	4030007090	S.CERAMIC C1608 CH 1H 470J-T-A
C405	4030007090	S.CERAMIC C1608 CH 1H 470J-T-A
C406	4030007090	S.CERAMIC C1608 CH 1H 470J-T-A
C407	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C408	4030007090	S.CERAMIC C1608 CH 1H 470J-T-A
C409	4030007090	S.CERAMIC C1608 CH 1H 470J-T-A
C411	4030007090	S.CERAMIC C1608 CH 1H 470J-T-A
C412	4030007090	S.CERAMIC C1608 CH 1H 470J-T-A
C413	4030006850	S.CERAMIC C1608 JB 1H 471K-T-A
C414	4030007090	S.CERAMIC C1608 CH 1H 470J-T-A
C415	4030007090	S.CERAMIC C1608 CH 1H 470J-T-A
C416	4030007090	S.CERAMIC C1608 CH 1H 470J-T-A
C417	4030007090	S.CERAMIC C1608 CH 1H 470J-T-A
C418	4030007090	S.CERAMIC C1608 CH 1H 470J-T-A
C419	4030007090	S.CERAMIC C1608 CH 1H 470J-T-A
C420	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C421	4030006850	S.CERAMIC C1608 JB 1H 471K-T-A
C422	4030006930	S.CERAMIC C1608 CH 1H 020C-T-A [H-band] only
C424	4030006980	S.CERAMIC C1608 CH 1H 070D-T-A
C425	4030006970	S.CERAMIC C1608 CH 1H 060D-T-A [L-band]
	4030006980	S.CERAMIC C1608 CH 1H 070D-T-A [H-band]
C427	4510005360	S.ELECTROLYTIC ECEV1HA4R7R
C428	4030007090	S.CERAMIC C1608 CH 1H 470J-T-A
C429	4030007090	S.CERAMIC C1608 CH 1H 470J-T-A
C430	4030007140	S.CERAMIC C1608 CH 1H 121J-T-A
C431	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C432	4030006860	S.CERAMIC C1608 JB 1H 472K-T-A
C433	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C434	4030006850	S.CERAMIC C1608 JB 1H 471K-T-A
C438	4030007090	S.CERAMIC C1608 CH 1H 470J-T-A
C439	4030007090	S.CERAMIC C1608 CH 1H 470J-T-A
C442	4030007090	S.CERAMIC C1608 CH 1H 470J-T-A
C443	4030007090	S.CERAMIC C1608 CH 1H 470J-T-A
C444	4030007090	S.CERAMIC C1608 CH 1H 470J-T-A
C445	4030007090	S.CERAMIC C1608 CH 1H 470J-T-A
C446	4030007090	S.CERAMIC C1608 CH 1H 470J-T-A
C447	4030007090	S.CERAMIC C1608 CH 1H 470J-T-A
C448	4030007090	S.CERAMIC C1608 CH 1H 470J-T-A
C449	4030007090	S.CERAMIC C1608 CH 1H 470J-T-A
C450	4030007090	S.CERAMIC C1608 CH 1H 470J-T-A
C451	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C452	4030007090	S.CERAMIC C1608 CH 1H 470J-T-A
C453	4030007090	S.CERAMIC C1608 CH 1H 470J-T-A
C454	4030007090	S.CERAMIC C1608 CH 1H 470J-T-A
C455	4030007090	S.CERAMIC C1608 CH 1H 470J-T-A
C456	4030007090	S.CERAMIC C1608 CH 1H 470J-T-A
C457	4030007090	S.CERAMIC C1608 CH 1H 470J-T-A
C458	4030007090	S.CERAMIC C1608 CH 1H 470J-T-A
C459	4030007090	S.CERAMIC C1608 CH 1H 470J-T-A
C460	4030007090	S.CERAMIC C1608 CH 1H 470J-T-A
C461	4030007090	S.CERAMIC C1608 CH 1H 470J-T-A
C462	4030007090	S.CERAMIC C1608 CH 1H 470J-T-A
C463	4030007090	S.CERAMIC C1608 CH 1H 470J-T-A
C464	4030007090	S.CERAMIC C1608 CH 1H 470J-T-A
C465	4030007090	S.CERAMIC C1608 CH 1H 470J-T-A
C467	4030007090	S.CERAMIC C1608 CH 1H 470J-T-A
C469	4030007090	S.CERAMIC C1608 CH 1H 470J-T-A
C470	4030007090	S.CERAMIC C1608 CH 1H 470J-T-A
C471	4030007090	S.CERAMIC C1608 CH 1H 470J-T-A

F2500

S.=Surface mount

[MAIN UNIT] (IC-F2500 only)

REF. NO.	ORDER NO.	DESCRIPTION	
C472	4030007090	S.CERAMIC	C1608 CH 1H 470J-T-A
C473	4030007090	S.CERAMIC	C1608 CH 1H 470J-T-A
C474	4030007090	S.CERAMIC	C1608 CH 1H 470J-T-A
C475	4030010070	S.CERAMIC	C1608 X7S 1C 104K-T-A
C476	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C477	4030007090	S.CERAMIC	C1608 CH 1H 470J-T-A
C478	4030007090	S.CERAMIC	C1608 CH 1H 470J-T-A
C479	4030006850	S.CERAMIC	C1608 JB 1H 471K-T-A
C480	4030006850	S.CERAMIC	C1608 JB 1H 471K-T-A
C481	4030006850	S.CERAMIC	C1608 JB 1H 471K-T-A
C482	4030007090	S.CERAMIC	C1608 CH 1H 470J-T-A
C483	4030006850	S.CERAMIC	C1608 JB 1H 471K-T-A
C484	4550006250	S.TANTALUM	TEMSVA 1A 106M-8L
C485	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C486	4030007090	S.CERAMIC	C1608 CH 1H 470J-T-A
C487	4030007090	S.CERAMIC	C1608 CH 1H 470J-T-A
C488	4550006250	S.TANTALUM	TEMSVA 1A 106M-8L
C489	4550000270	S.TANTALUM	TESVA 1E 474M1-8L
C490	4550000270	S.TANTALUM	TESVA 1E 474M1-8L
C491	4030008880	S.CERAMIC	C1608 JB 1C 223K-T-A
C492	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
J2	6450000140	CONNECTOR	HSJ0807-01-010
J4	6510019250	S.CONNECTOR	B11B-ZR-SM3-TF
J5	6510018040	CONNECTOR	52330-1217
J6	6510018430	S.CONNECTOR	AXN330C038P
J7	6510019270	S.CONNECTOR	52365-0891
J8	6910001040	CONNECTOR	IPS-1136
J9	6910001040	CONNECTOR	IPS-1136
J10	6910001040	CONNECTOR	IPS-1136
W1	8900004540	CABLE	OPC-453
W2	7030003860	S.JUMPER	ERJ3GE JPW V
W3	7030003860	S.JUMPER	ERJ3GE JPW V
W7	7120000010	JUMPER	JPW 02A
W8	7030003860	S.JUMPER	ERJ3GE JPW V
W9	7030000010	S.JUMPER	MCR10EZHZ JPW (000)
W10	7030003860	S.JUMPER	ERJ3GE JPW V
W11	7030003860	S.JUMPER	ERJ3GE JPW V
W12	7030003860	S.JUMPER	ERJ3GE JPW V
W14	7030003860	S.JUMPER	ERJ3GE JPW V
W24	7030003860	S.JUMPER	ERJ3GE JPW V
W25	7030003860	S.JUMPER	[L-band, 25W] ERJ3GE JPW V
W26	7030003860	S.JUMPER	[H-band, 25W] ERJ3GE JPW V
W27	7030003860	S.JUMPER	[L-band, 10W] ERJ3GE JPW V
W35	7030003860	S.JUMPER	[H-band, 10W] ERJ3GE JPW V
W36	7030000010	S.JUMPER	ERJ3GE JPW V
W37	7030000010	S.JUMPER	MCR10EZHZ JPW (000)
W39	7030000010	S.JUMPER	MCR10EZHZ JPW (000)
W41	7030003860	S.JUMPER	MCR10EZHZ JPW (000)
W42	7030003860	S.JUMPER	ERJ3GE JPW V
W43	7030003860	S.JUMPER	ERJ3GE JPW V
W44	7030003860	S.JUMPER	ERJ3GE JPW V
W45	7030003860	S.JUMPER	ERJ3GE JPW V
EP1	0910048110	PCB	B 4957
EP2	6910010220	BEAD	HF70BB3.5X5X1.3
EP3	6910010280	BEAD	HF70BB9.5X10.4X4.9

S.=Surface mount

F2500

# SECTION 7 MECHANICAL PARTS

## [CHASSIS PARTS]

REF. NO.	ORDER NO.	DESCRIPTION	QTY.
J1	6510004880	Connector MR-DSE-01	1
MP1	8010016320	1705 chassis	1
MP2	8810008660	Screw PH BT M3 x 8 NI-ZU	4
MP3	8810008660	Screw PH BT M3 x 8 NI-ZU	2
MP4	8810008660	Screw PH BT M3 x 8 NI-ZU	2
MP5	8810009130	Screw PH BT M3 x12 NI-ZU	4
MP6	8930027480	1126 TR-A clip	1
MP7	8820000870	1705 cap screw	3
MP8	8110005570	1705 cover	1
MP11	8930039610	Thermal sheet (C)	1
MP12	8930036800	1705 M-holder	1
MP15	8930039630	1706 jack sheet	1
MP16	8930036771	1705 main seal -1	1

## [FRONT UNIT]

REF. NO.	ORDER NO.	DESCRIPTION	QTY.
J2	6450001470	Connector 95003-2881	1
DS1	5030001430	LCD LD-BU4583E	1
EP2	8930037960	LCD contact SRCN-1705 ZSS	1
MP1	8210012610	1705 reflector	1
MP2	8930036830	1705 LCD holder	1
MP3	8930036820	1705 LCD filter	1
MP4	8930037660	1705 LCD sheet	1
MP6	8210012600	1705 front panel	1
MP7	8930041190	1787 front key	1
MP8	8610009840	Knob N234	1
MP10	8810009130	Screw PH BT M3 x 12 NI-ZU	3
MP14	8930038780	1706 front spring	1
MP15	8930038900	Seal O-ring	1
MP20	8310036290	1705 Window plate	1
MP21	8930014280	Speaker net	1
SP1	2510000880	Speaker SME-45W	1
	8210013310	1705 front panel assembly (include. MP6, MP20 and MP21)	1

## [MAIN UNIT for IC-F1500]

REF. NO.	ORDER NO.	DESCRIPTION	QTY.
J2	6450000140	Connector HSJ0807-01-010	1
J5	6510018040	Connector 52330-1217	1
W4	8900004540	Cable OPC-453	1
MP2	8510009980	1705 VCO case	1
MP4	8510010080	1705 VCO cover	1
MP6	8930037840	1705 connector spring	1
MP7	8510005070	599 shield plate	1
MP8	8510010240	1705 LPF cover	1
MP9	8510010230	1705 LPF case	1
MP10	8510010250	1705 shield plate	1
MP11	8930029511	1327 ANT plate -1	1
MP12	8930038790	1706 Spring	1

## [MAIN UNIT for IC-F2500]

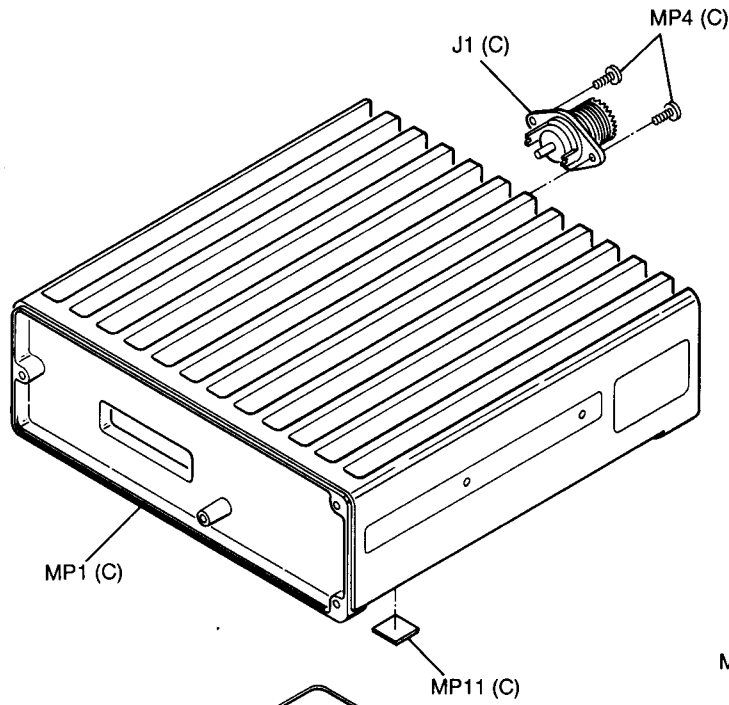
REF. NO.	ORDER NO.	DESCRIPTION	QTY.
J2	6450000140	Connector HSJ0807-01-010	1
J5	6510018040	Connector 52330-1217	1
W1	8900004540	Cable OPC-453	1
MP1	8510006810	DC-DC CASE	1
MP2	8510009980	1705 VCO case	1
MP3	8510010080	1705 VCO cover	1
MP4	8510005070	599 shield plate	1
MP5	8510010230	1705 LPF case	1
MP6	8510010240	1705 LPF cover	1
MP7	8930037840	1705 connector spring	1
MP8	8930029511	1327 ANT plate -1	1
MP10	8930038960	AS-315	1
MP11	8510010250	1705 shield plate	1
MP12	8930038790	1706 Spring	1
MP14	8930001880	Sponge (C)	1
MP15	8930001810	Sponge (A)	1
MP16	8930039870	Sponge (E1)	1

## [UNPACKING]

REF. NO.	ORDER NO.	DESCRIPTION	QTY.
F1	5210000120	Fuse FGB 15A	2
W1	Optional product	DC power cable OPC-345	1
W2	8900000730	Microphone (HANG) cable OPC-049	1
MC1	Optional product	Microphone EM-99	1
MP1	8010008710	150 mounting bracket	1
MP2	8930008050	Felt (A)	2
MP3	8820000530	Flange bolt M4 x 8 NI	4
MP4	8810000470	Screw PH M5 x 12 (+/-)	4
MP5	8810005840	Screw PH A M5 x 20	4
MP6	8850000150	Flat washer M5 NI BS	4
MP7	8850000390	Spring washer M5	4
MP8	8830000120	Nut M5	4
MP9	6910004210	731 microphone hanger set	1

### Screw abbreviations

BT : Self-tapping  
 PH : Pan head  
 NI : Nickel  
 BS : Brass  
 NI-ZU: Nickel-Zinc

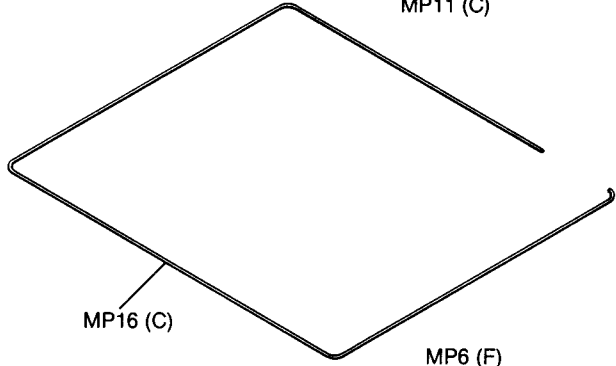


MP1 (C)

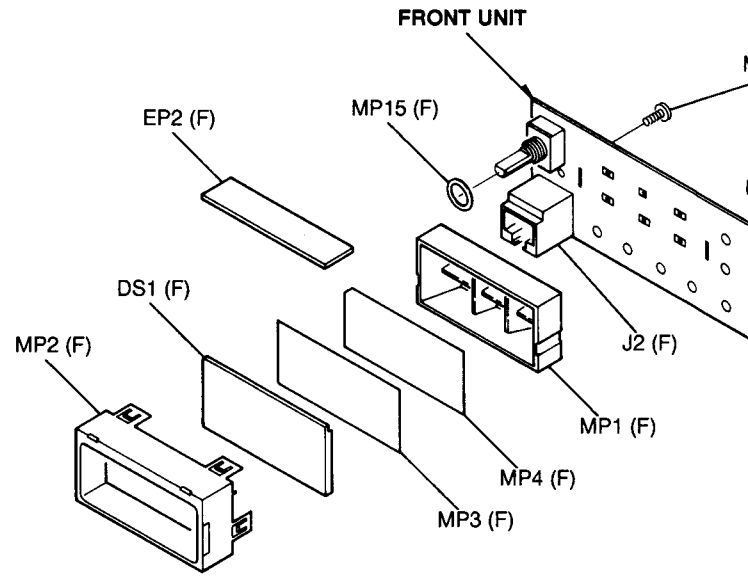
J1 (C)

MP4 (C)

MP11 (C)



MP16 (C)



FRONT UNIT

EP2 (F)

MP15 (F)

DS1 (F)

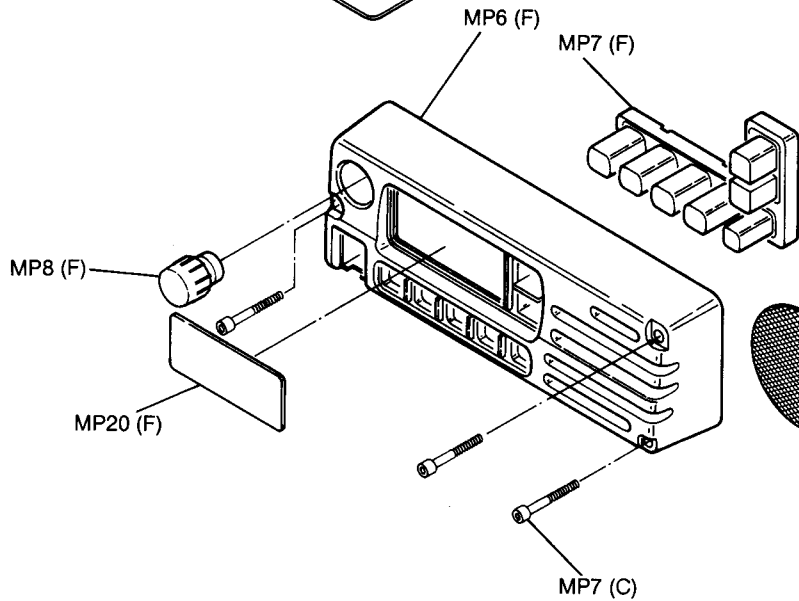
MP2 (F)

J2 (F)

MP1 (F)

MP4 (F)

MP3 (F)



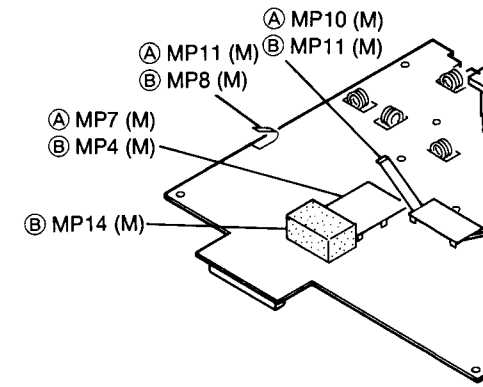
MP8 (F)

MP20 (F)

MP6 (F)

MP7 (F)

MP7 (C)



Ⓐ MP10 (M)

Ⓐ MP11 (M) Ⓑ MP11 (M)

Ⓑ MP8 (M)

Ⓐ MP7 (M)

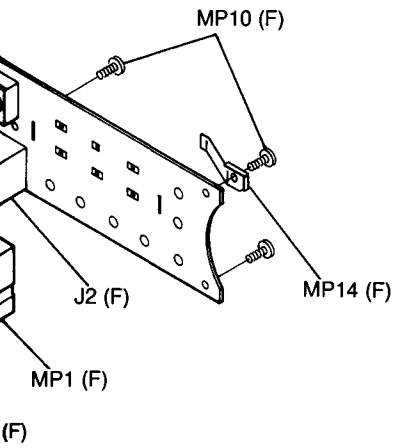
Ⓑ MP4 (M)

Ⓑ MP14 (M)

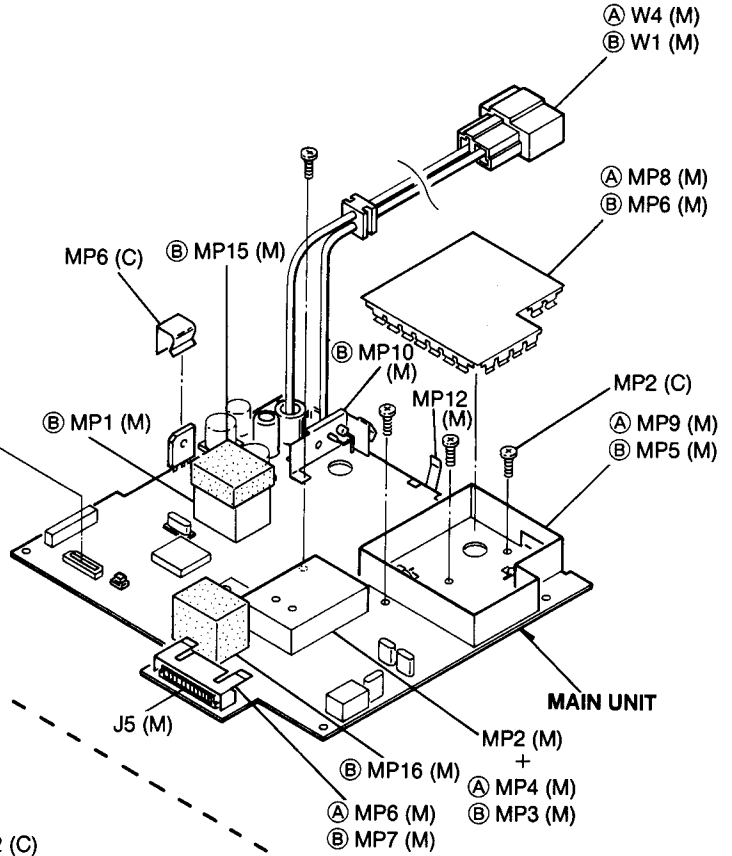
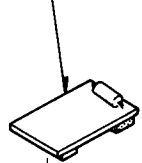
**Unit abbreviations** (F): FRONT UNIT (M): MAIN UNIT (C): CHASSIS PARTS

Ⓐ IC-F1500 only Ⓑ IC-F2500 only

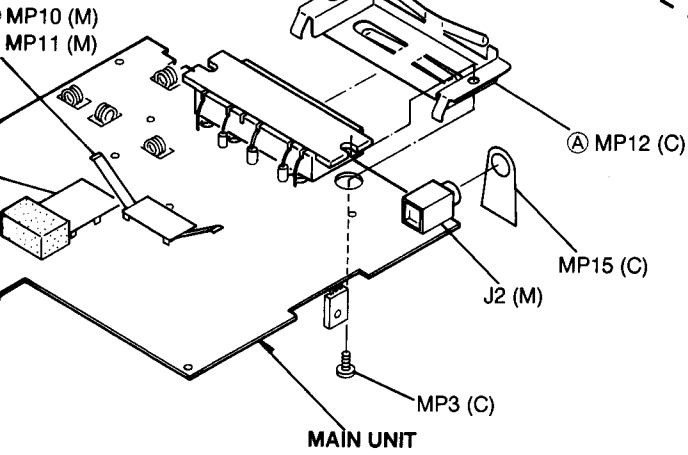
**OPPOSITE VIEW**



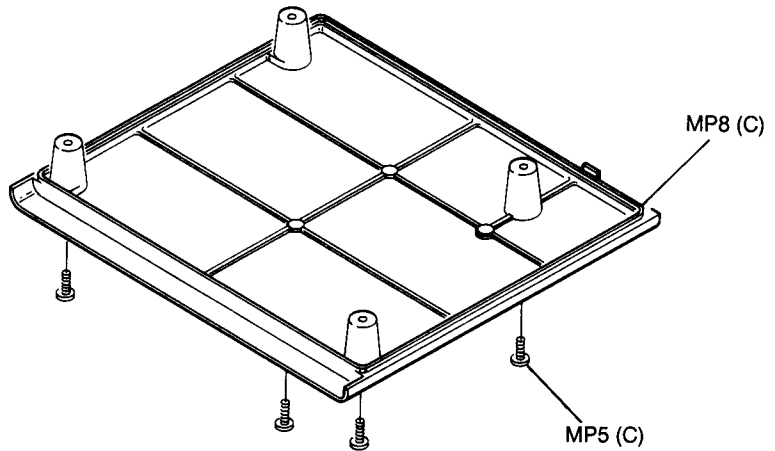
**MODEM UNIT**



**MAIN UNIT**














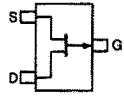
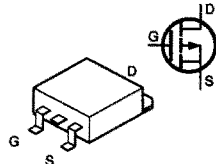
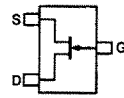
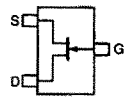
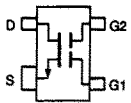
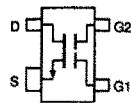
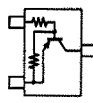
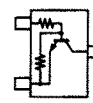
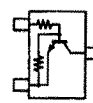


**MAIN UNIT**



# SECTION 8









# SEMI-CONDUCTOR INFORMATION

## • TRANSISTOR AND FET'S

<p><b>2SA1578 R</b> (Symbol: FR)</p> 	<p><b>2SB1123T</b> (Symbol: BF)</p> 	<p><b>2SC1863 4</b> (Symbol: FN4)</p> 	<p><b>2SC4081 R</b> (Symbol: BR)</p> 	<p><b>2SC4116 GR</b> (Symbol: LG)</p> 
<p><b>2SC4211 6</b> (Symbol: L6)</p> 	<p><b>2SC4215 O</b> (Symbol: QO)</p> 	<p><b>2SC4226 R25</b> (Symbol: R25)</p> 	<p><b>2SC4703 T1 SE</b> (Symbol: SE)</p> 	<p><b>2SC5110 O</b> (Symbol: MGO)</p> 
<p><b>2SD1664</b> (Symbol: DA)</p> 	<p><b>2SJ144 Y</b> (Symbol: VY)</p> 	<p><b>2SJ377</b> (Symbol: 4L)</p> 	<p><b>2SK880 GR</b> (Symbol: XG)</p> 	<p><b>2SK1069 4 TL</b> (Symbol: FJ)</p> 
<p><b>3SK166</b> (Symbol: K)</p> 	<p><b>3SK272</b> (Symbol: DU)</p> 	<p><b>DTA114EU</b> (Symbol: 14)</p> 	<p><b>DTC114EU</b> (Symbol: 24)</p> 	<p><b>DTC363EK</b> (Symbol: H27)</p> 
<p><b>FMS2A</b> (Symbol: S2)</p> 	<p><b>FMW2</b> (Symbol: W2)</p> 			



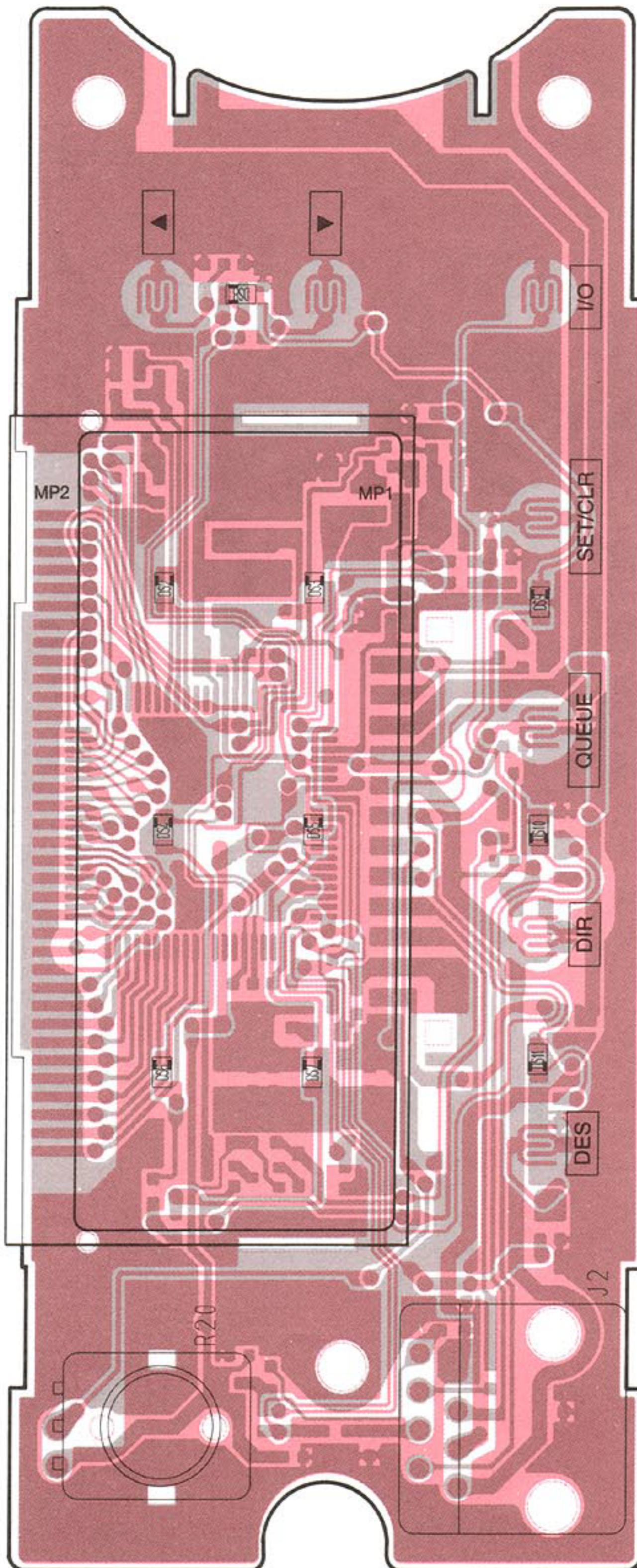
• DIODES

<p><b>1SS302</b> (Symbol: C3)</p> 	<p><b>1SS375 TL</b> (Symbol: FH)</p> 	<p><b>1SV164 T2B</b> (No symbol, orange line)</p> 	<p><b>DA113W</b> (Symbol: AY)</p> 	<p><b>DA204U</b> (Symbol: K)</p> 
<p><b>DA221</b> (Symbol: K)</p> 	<p><b>DAN202U</b> (Symbol: N)</p> 	<p><b>MA742</b> (Symbol: M1U)</p> 		

# SECTION 9 BOARD LAYOUTS

## 9-1 FRONT UNIT (common)

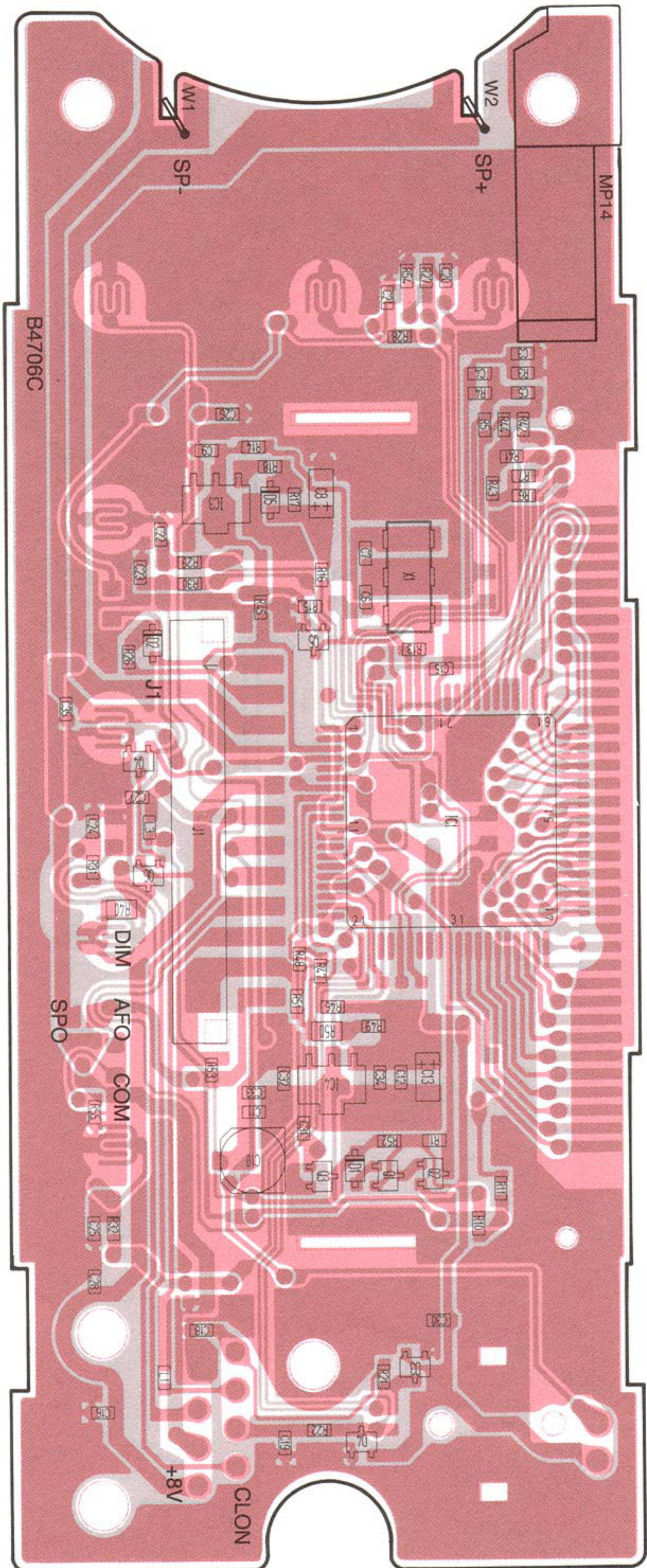
The combination of this page and the next page show the unit layout in the same configuration as the actual P.C. Board.



**J2**

8	HANG	GND	7
	MIC	MICE	
	PTT	AFO	
2	CLON	+8V	1

TO MICROPHONE

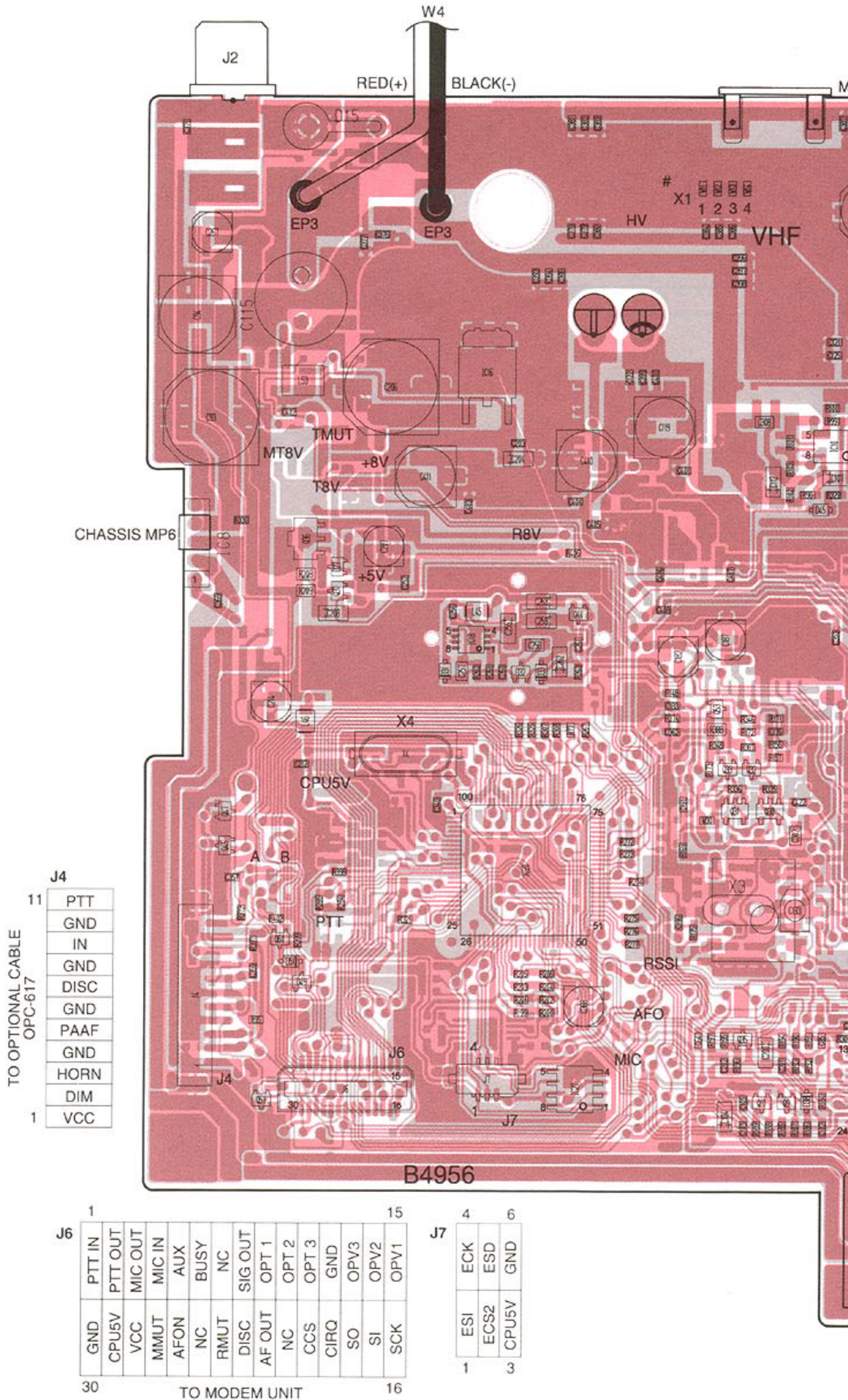


**J1**

1	VCC
	VCC
	SP
	SPE
	+8V
	CLON
	AFV
	POSW
	MICE
	MIC
	GND
12	AFO

TO MAIN UNIT J5

# 9-2 IC-F1500 MAIN UNIT



TO OPTIONAL CABLE  
OPC-617

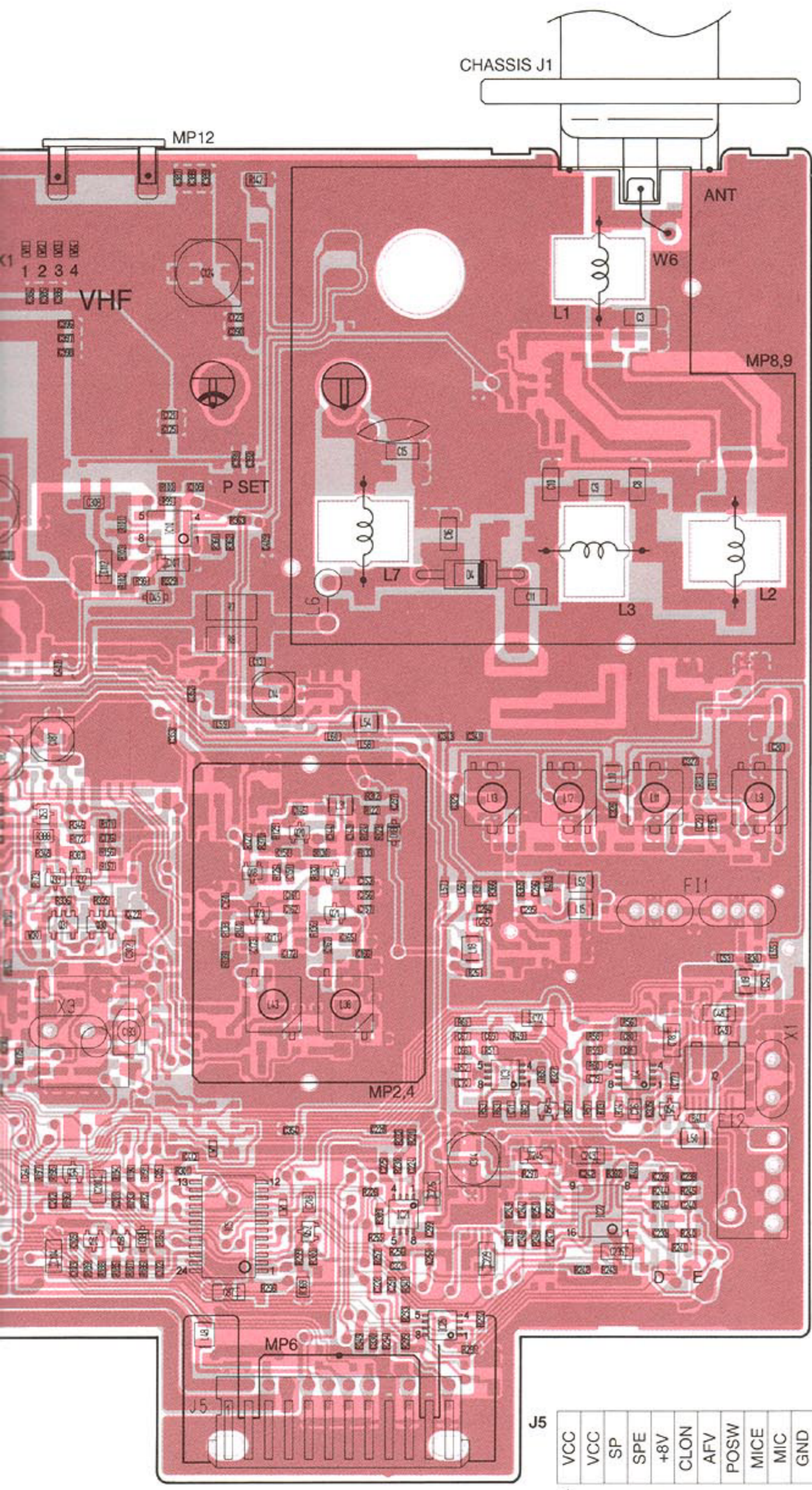
11	PTT
	GND
	IN
	GND
	DISC
	GND
	PAAF
	GND
	HORN
	DIM
1	VCC

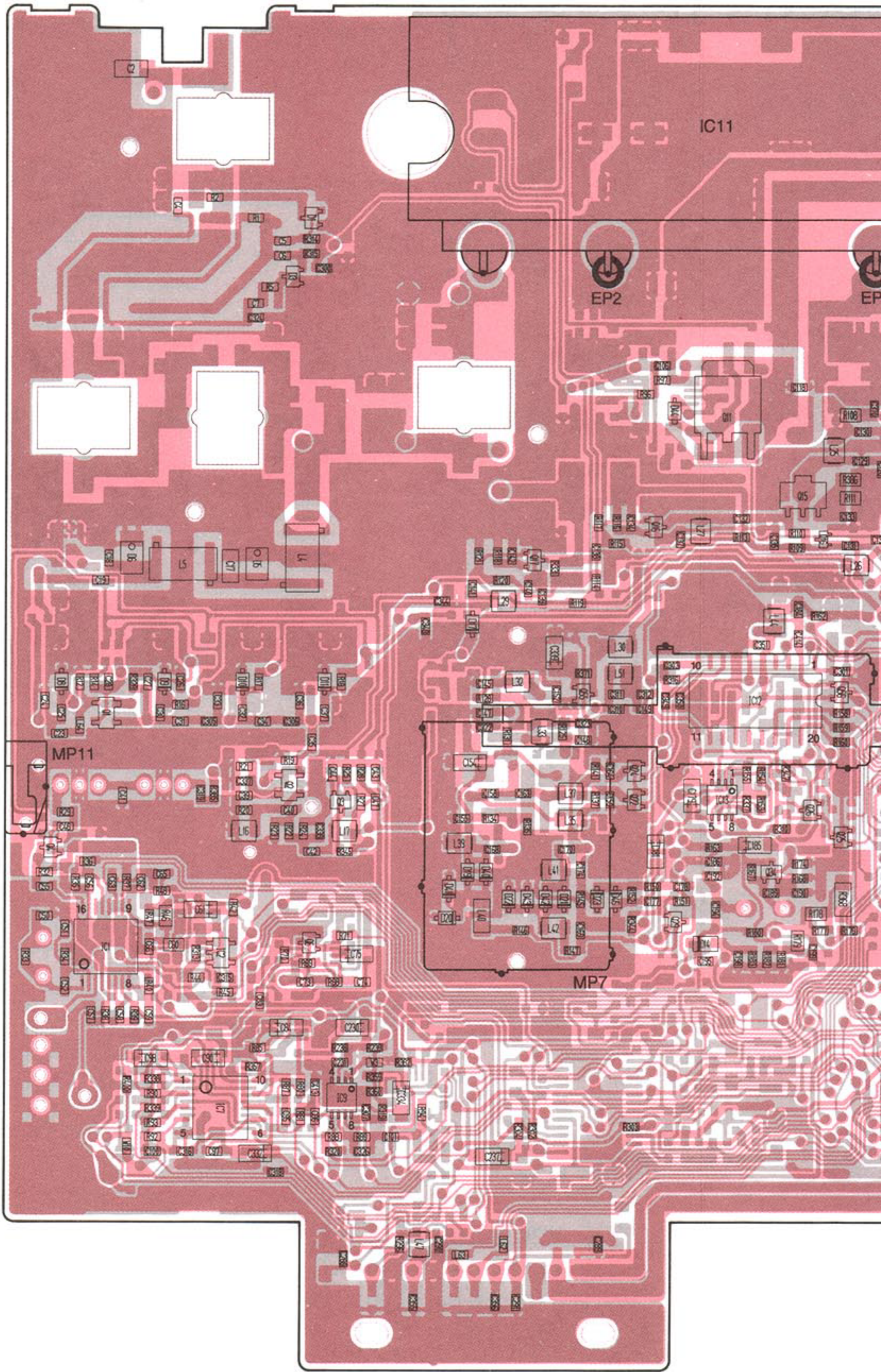
1	PTT IN	15
	PTT OUT	
	MIC OUT	
	MIC IN	
	AUX	
	BUSY	
	NC	
	RMUT	
	DISC	
	SIG OUT	
	AF OUT	
	OPT 1	
	OPT 2	
	OPT 3	
	GND	
	OPV3	
	OPV2	
	OPV1	
30	GND	16
	CPU5V	
	VCC	
	MMUT	
	AFON	
	NC	
	RMUT	
	DISC	
	SIG OUT	
	OPT 1	
	OPT 2	
	OPT 3	
	GND	
	OPV3	
	OPV2	
	OPV1	

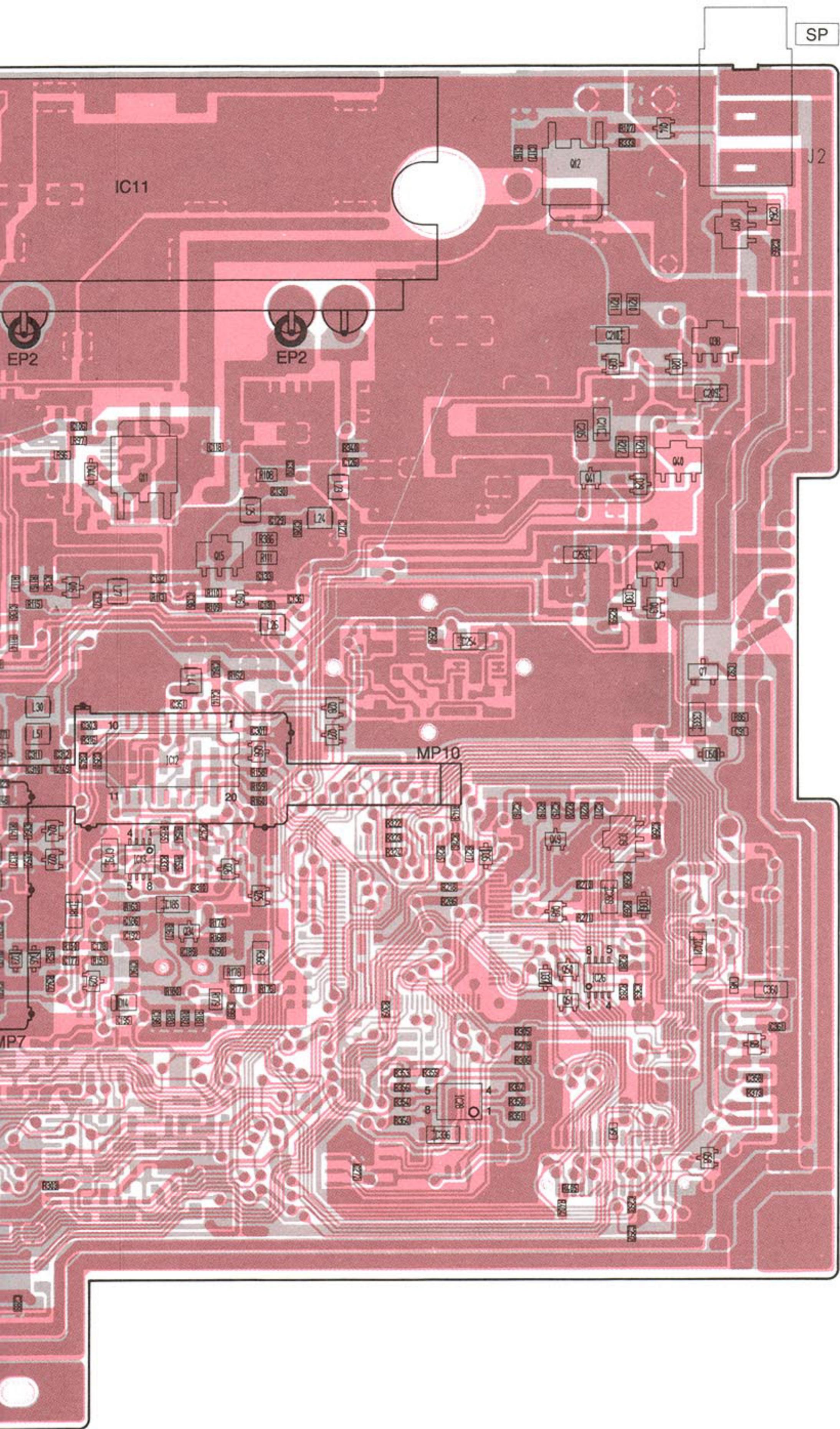
TO MODEM UNIT

4	ECK	6
	ESD	
1	ESI	
	ECS2	
3	CPU5V	
	GND	

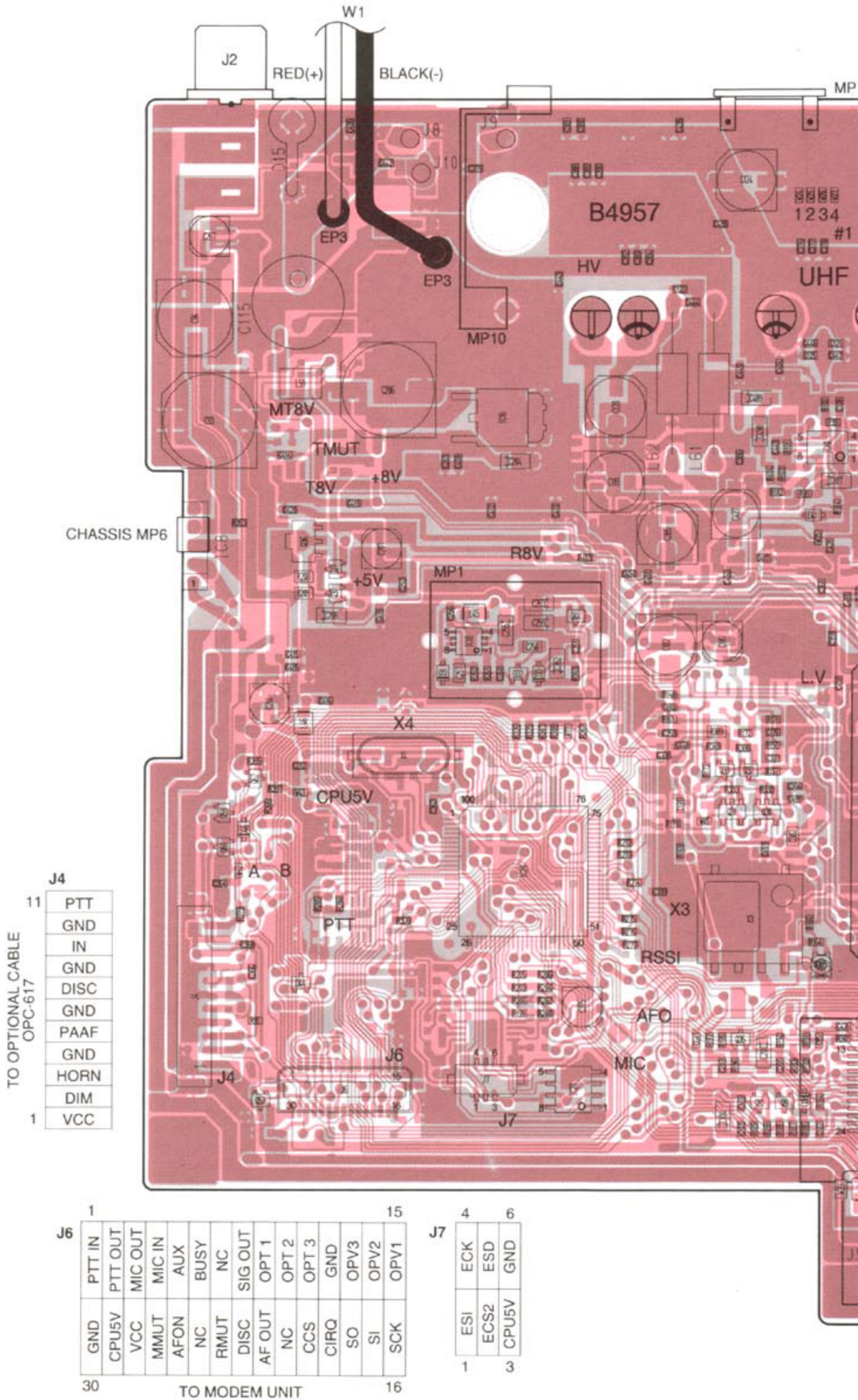
The combination of this page and the next page show the unit layout in the same configuration as the actual P.C. Board.







# 9-3 IC-F2500 MAIN UNIT



TO OPTIONAL CABLE  
OPC-617

11	PTT
	GND
	IN
	GND
	DISC
	GND
	PAAF
	GND
	HORN
	DIM
1	VCC

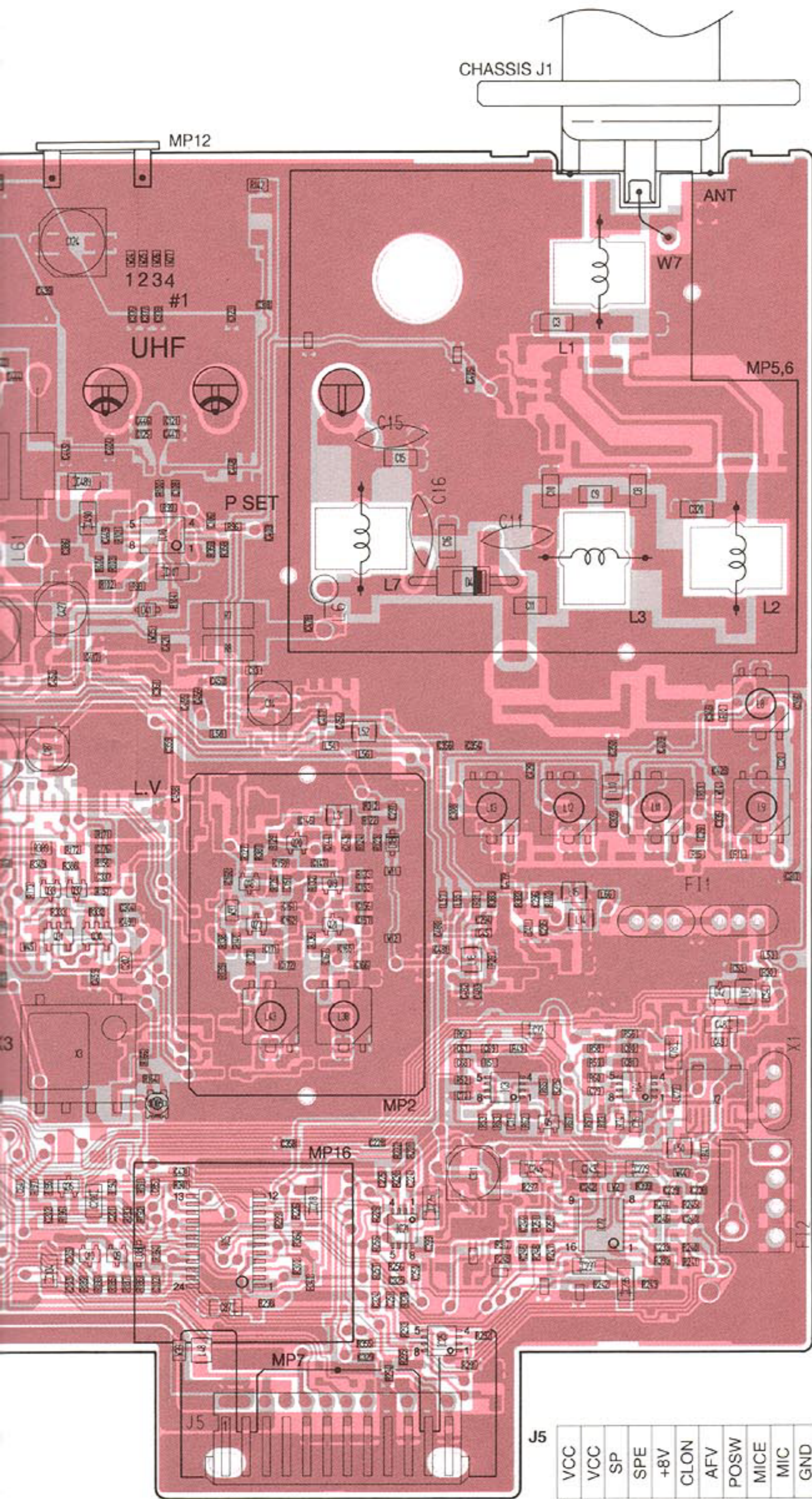
1	PTT IN	15
	PTT OUT	
	MIC OUT	
	MIC IN	
	AUX	
	BUSY	
	NC	
	RMUT	
	DISC	
	SIG OUT	
	AF OUT	
	OPT 1	
	OPT 2	
	OPT 3	
	GND	
	OPV3	
	OPV2	
	OPV1	
30	GND	16
	CPU5V	
	VCC	
	MMUT	
	AFON	
	NC	
	BUSY	
	AUX	
	MIC IN	
	MIC OUT	
	PTT OUT	
	PTT IN	

TO MODEM UNIT

4	ECK	6
	ESD	
	ECS2	
1	CPU5V	3
	GND	

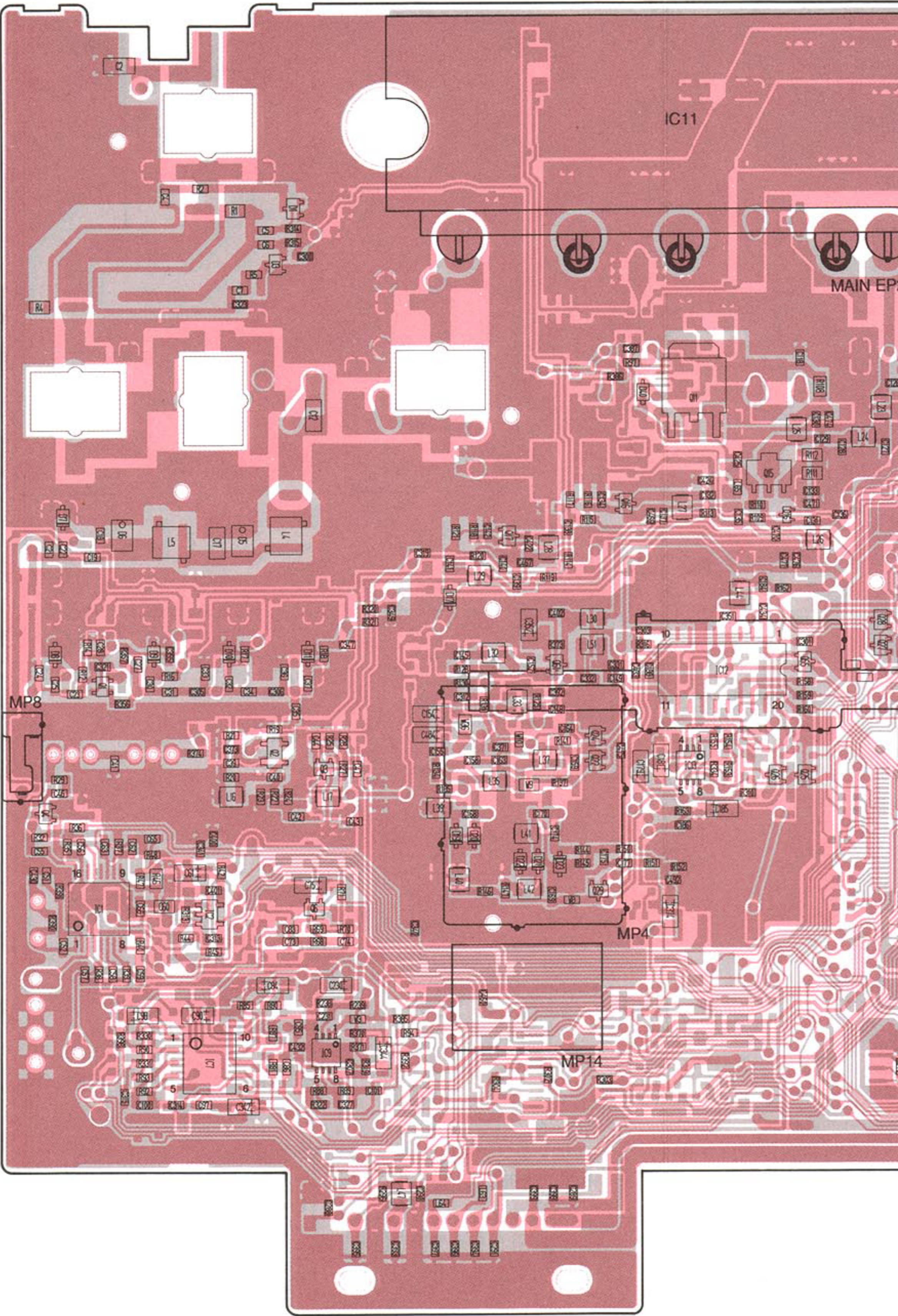


The combination of this page and the next page show the unit layout in the same configuration as the actual P.C. Board.



J5	VCC	VCC	SP	SPE	+8V	CLON	AFV	POSW	MICE	MIC	GND	AFO
1												12

TO FRONT UNIT J1



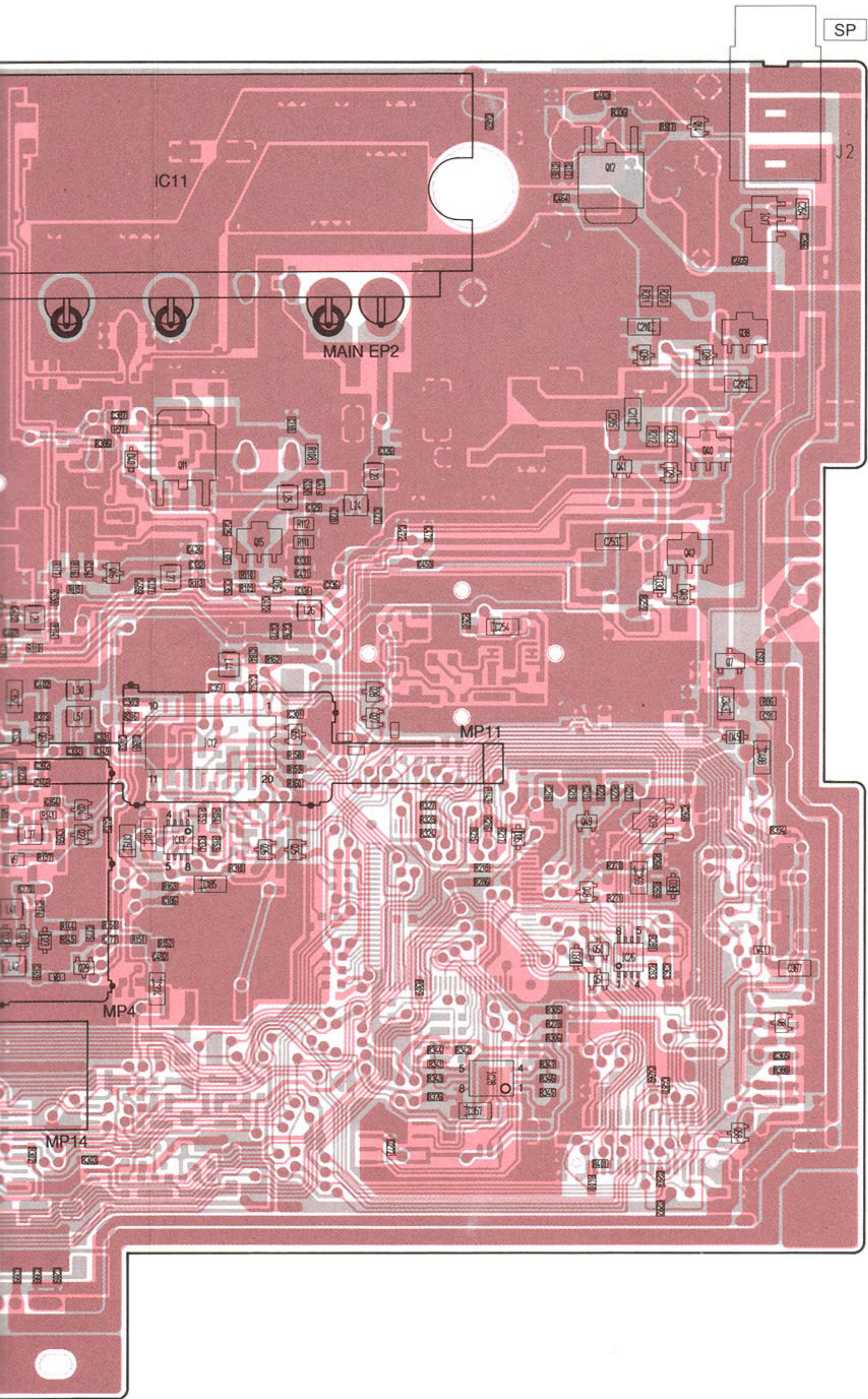
IC11

MAIN EP

MP8

MP4

MP14



SP

IC11

MAIN EP2

J2

MP11

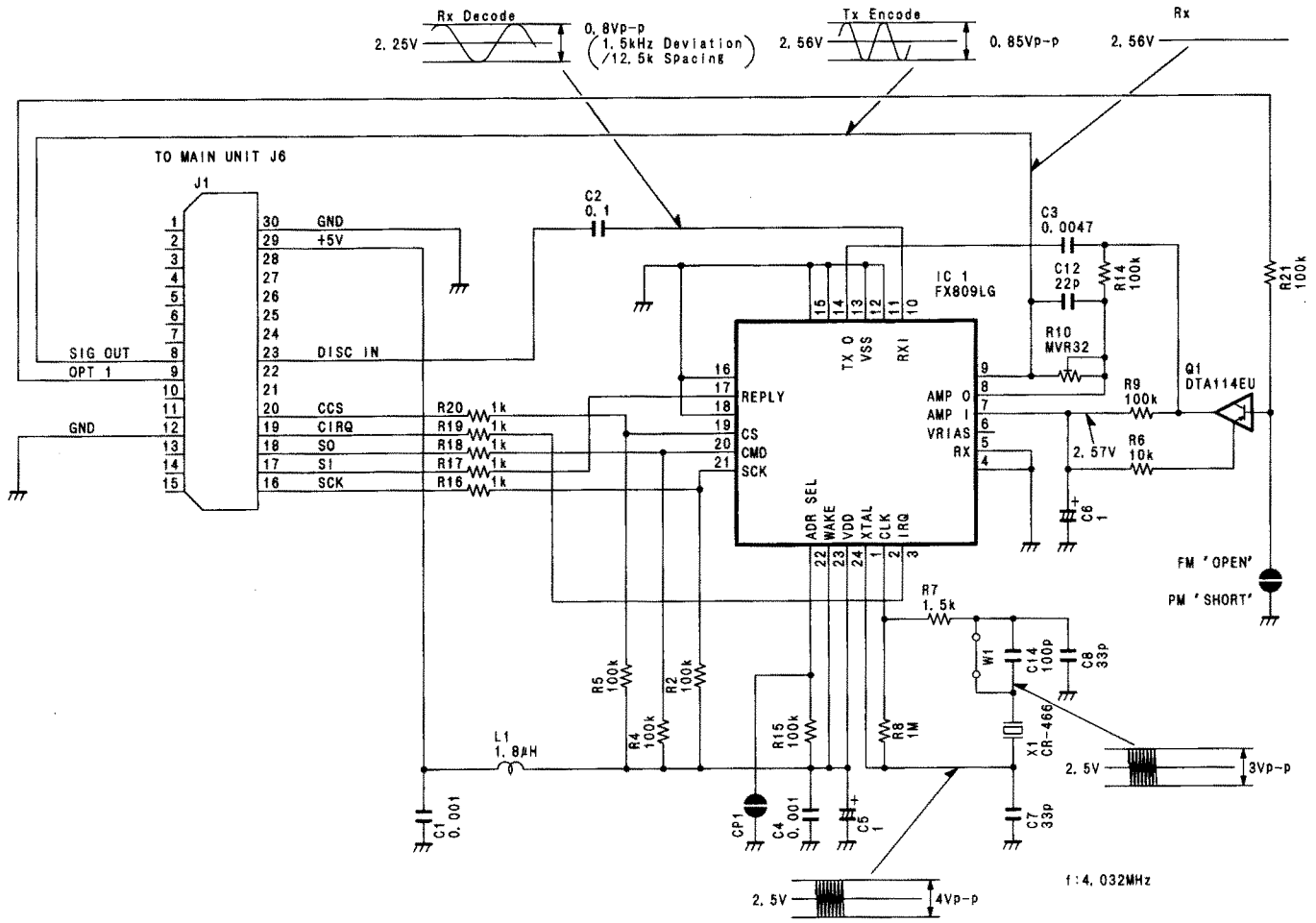
IC2

MP4

MP14

# SECTION 10 MODEM UNIT

## 10-1 VOLTAGE DIAGRAM

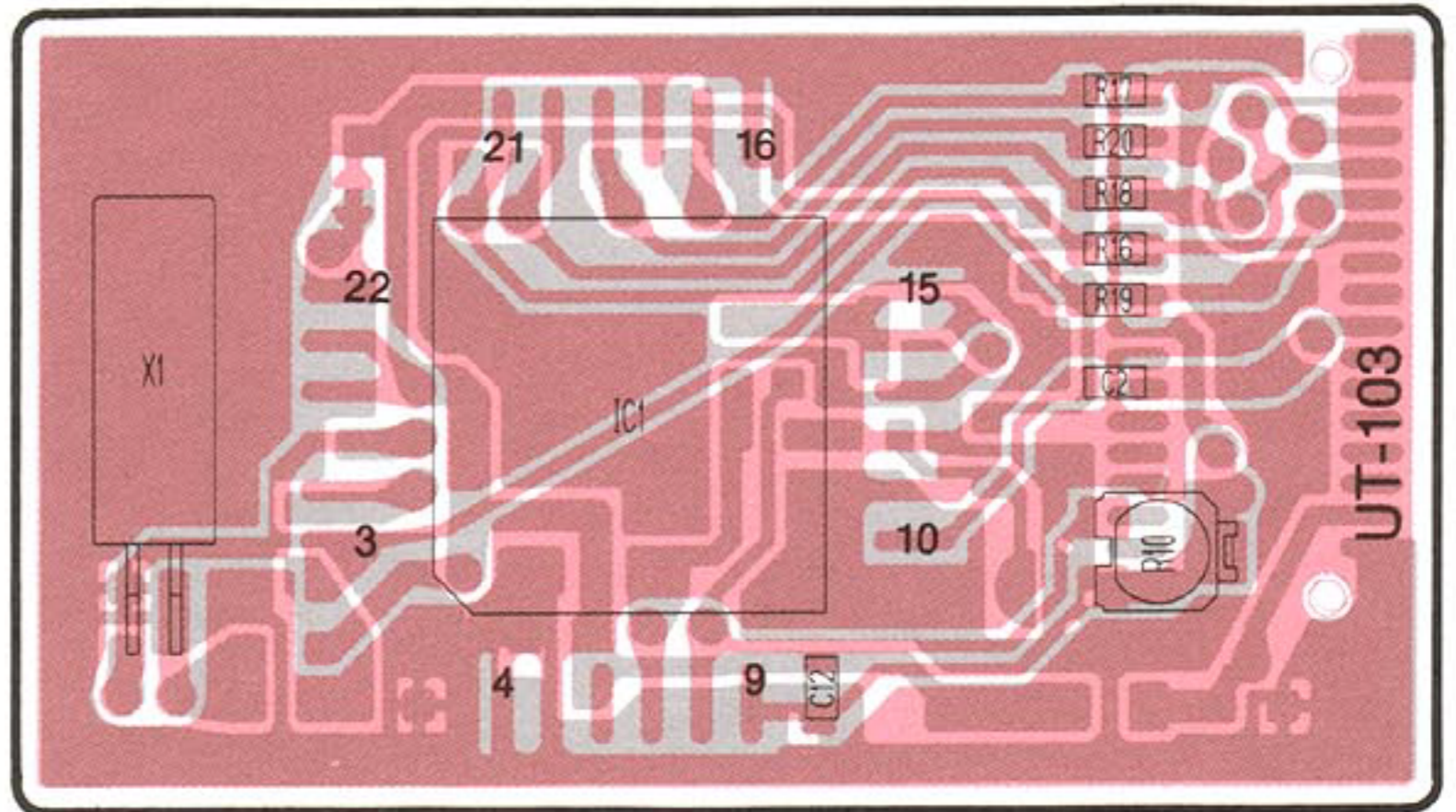
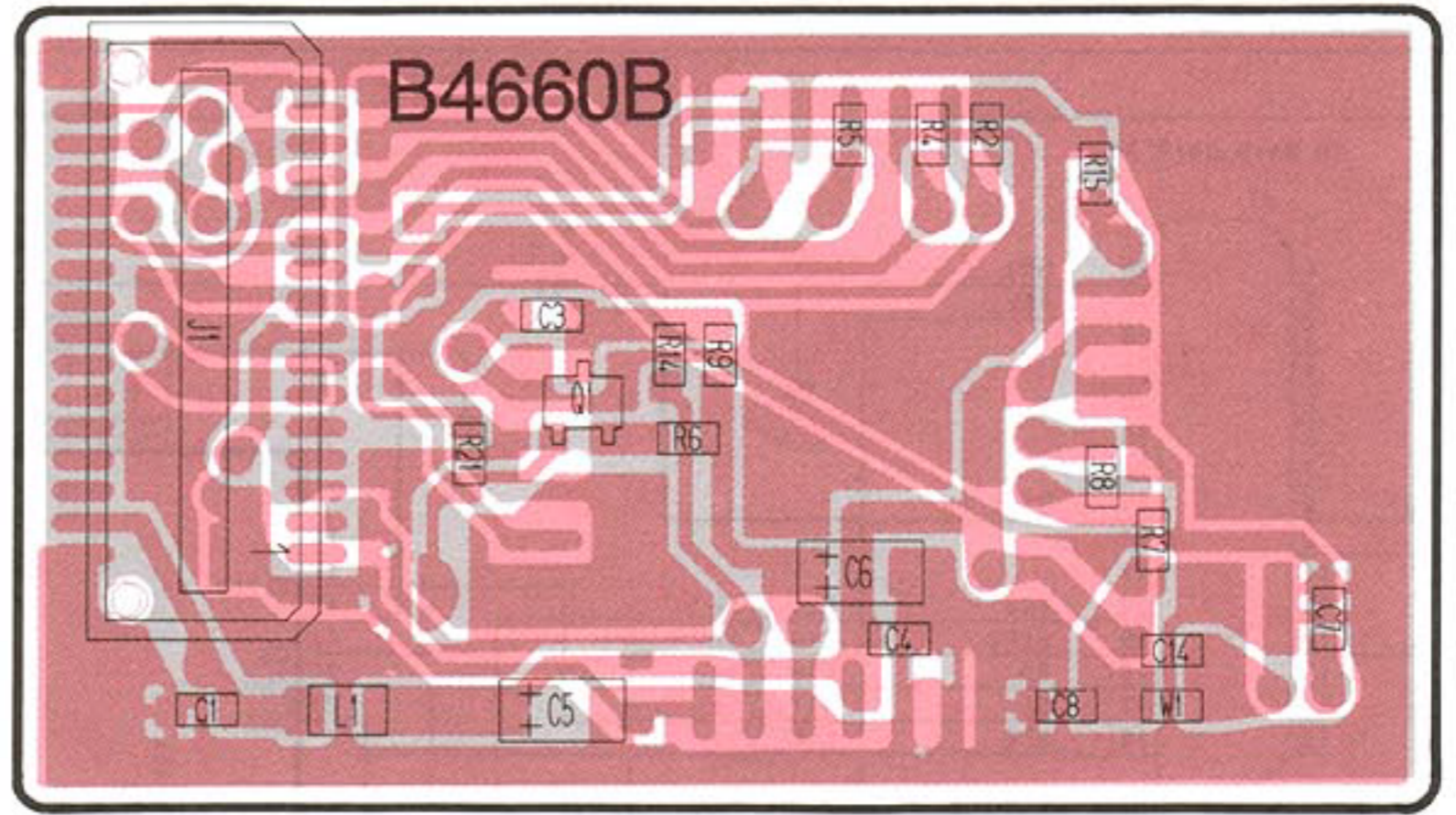


# 10-2 BOARD LAYOUT

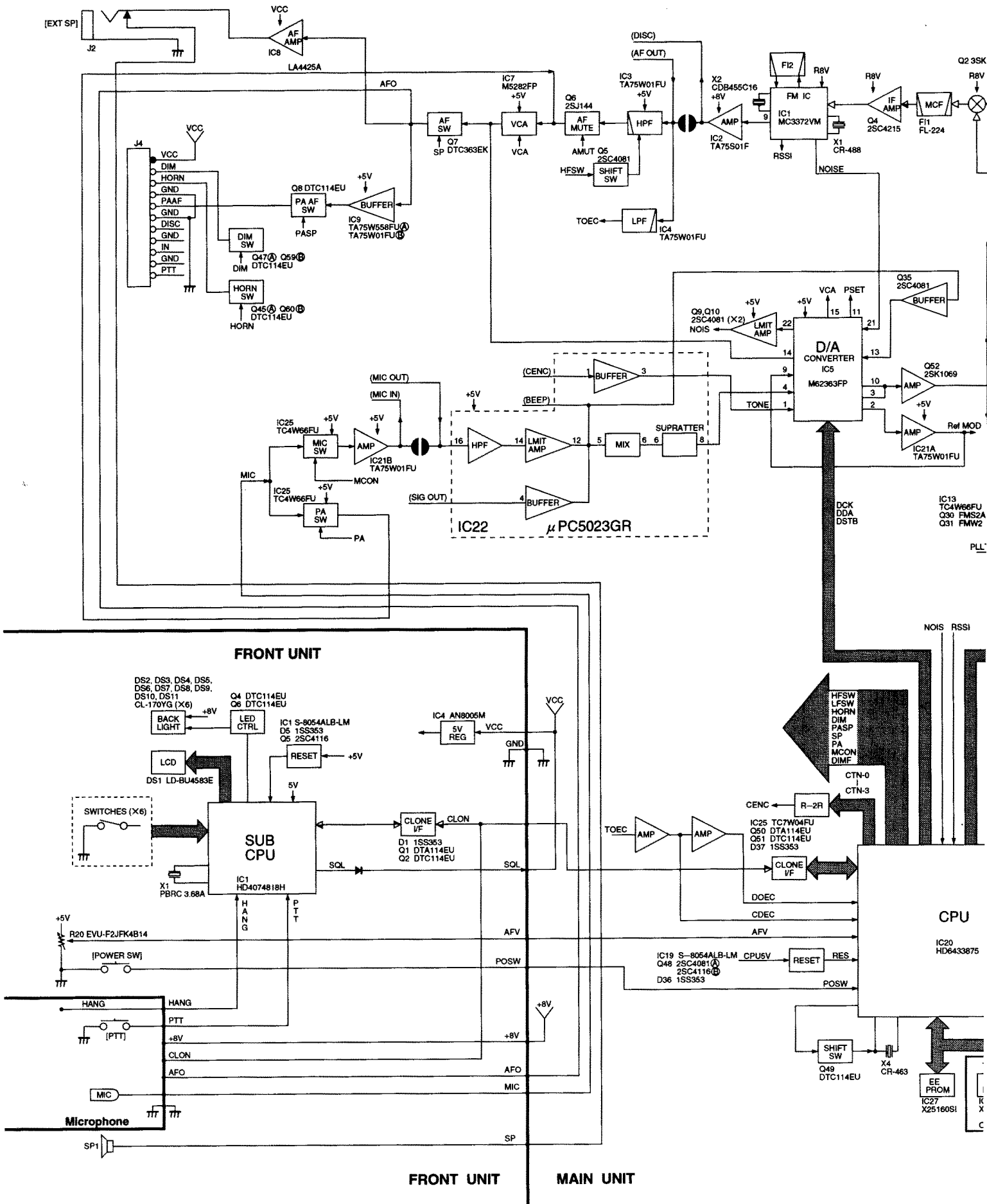
**J1**

30	GND	NC	1
	CPU5V	NC	
	NC	NC	
	NC	NC	
	NC	NC	
	NC	NC	
	NC	NC	
	DISC	SIG OUT	
	NC	OPT 1	
	NC	NC	
	CCS	NC	
	CIRQ	GND	
	SO	NC	
	SI	NC	
16	SCK	NC	15

TO MAIN UNIT J6



# SECTION 11 BLOCK DIAGRAM

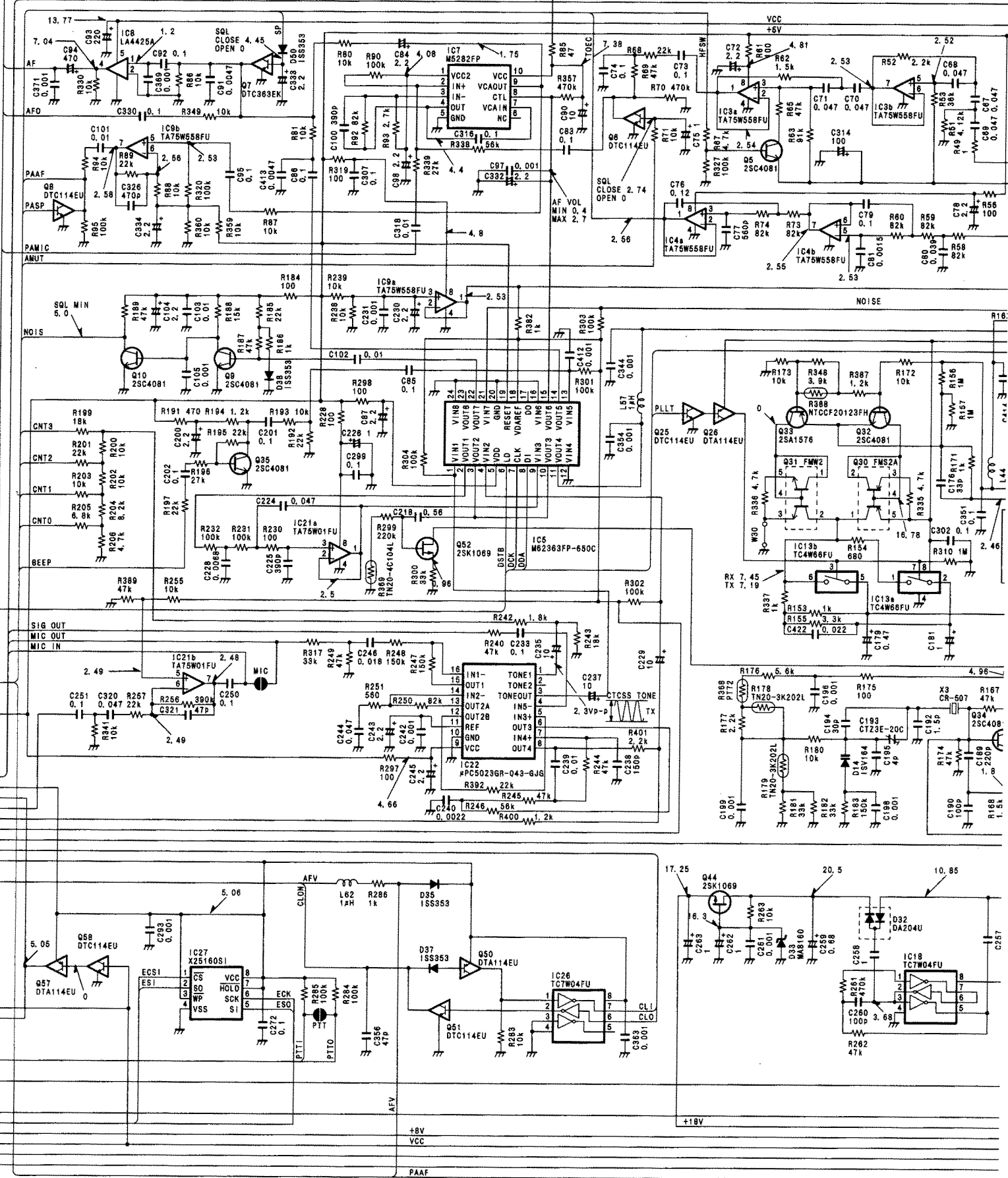


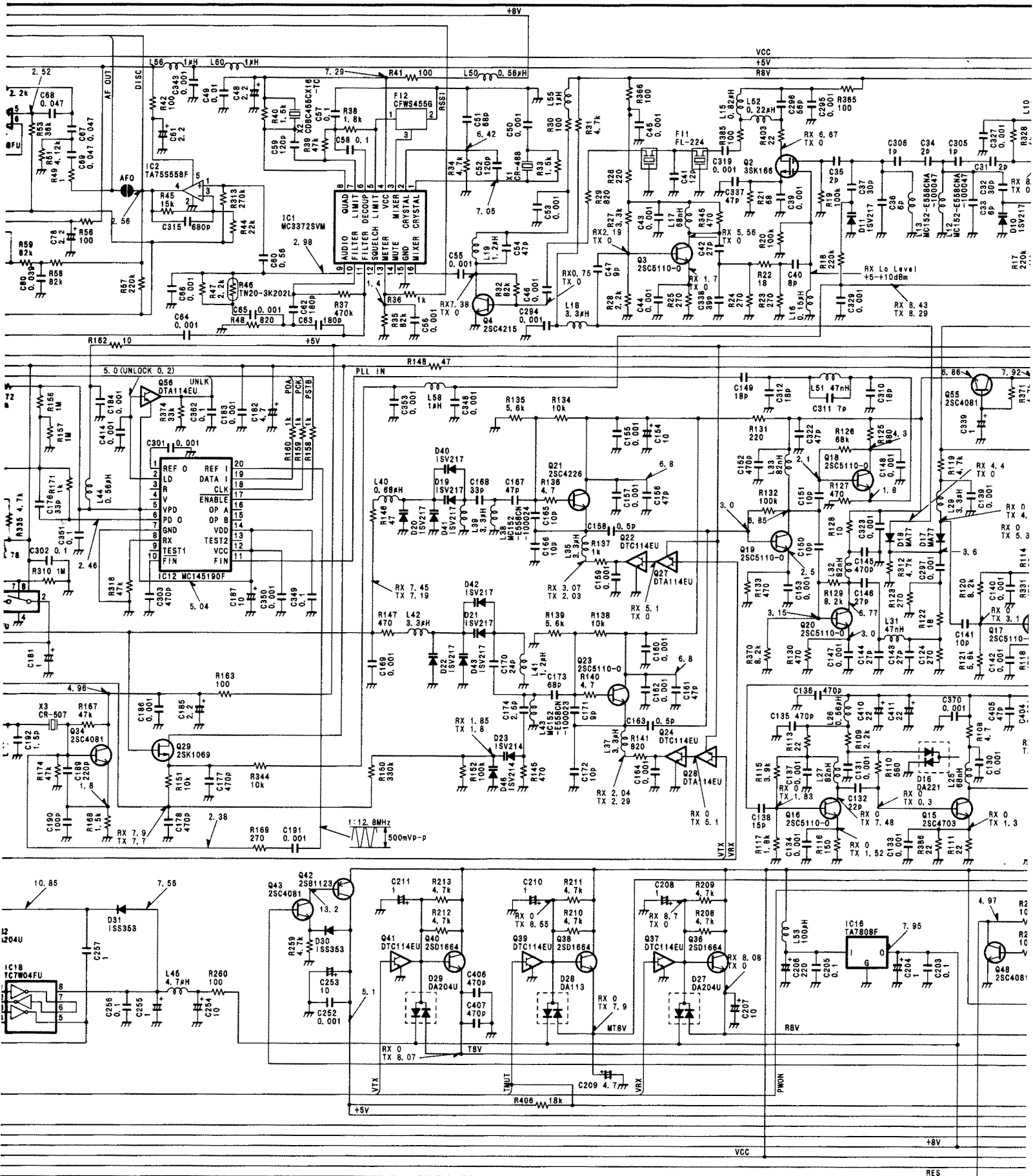






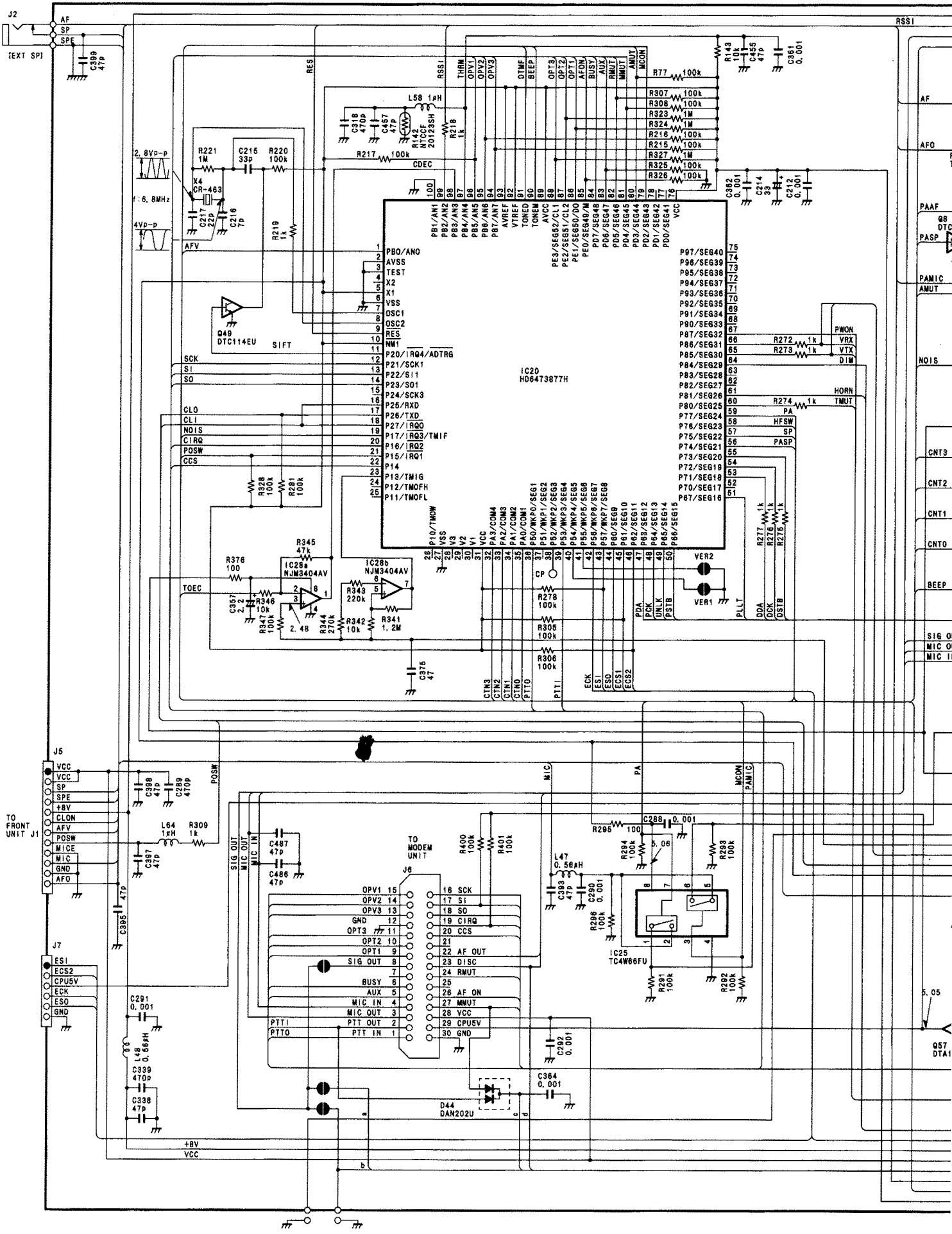


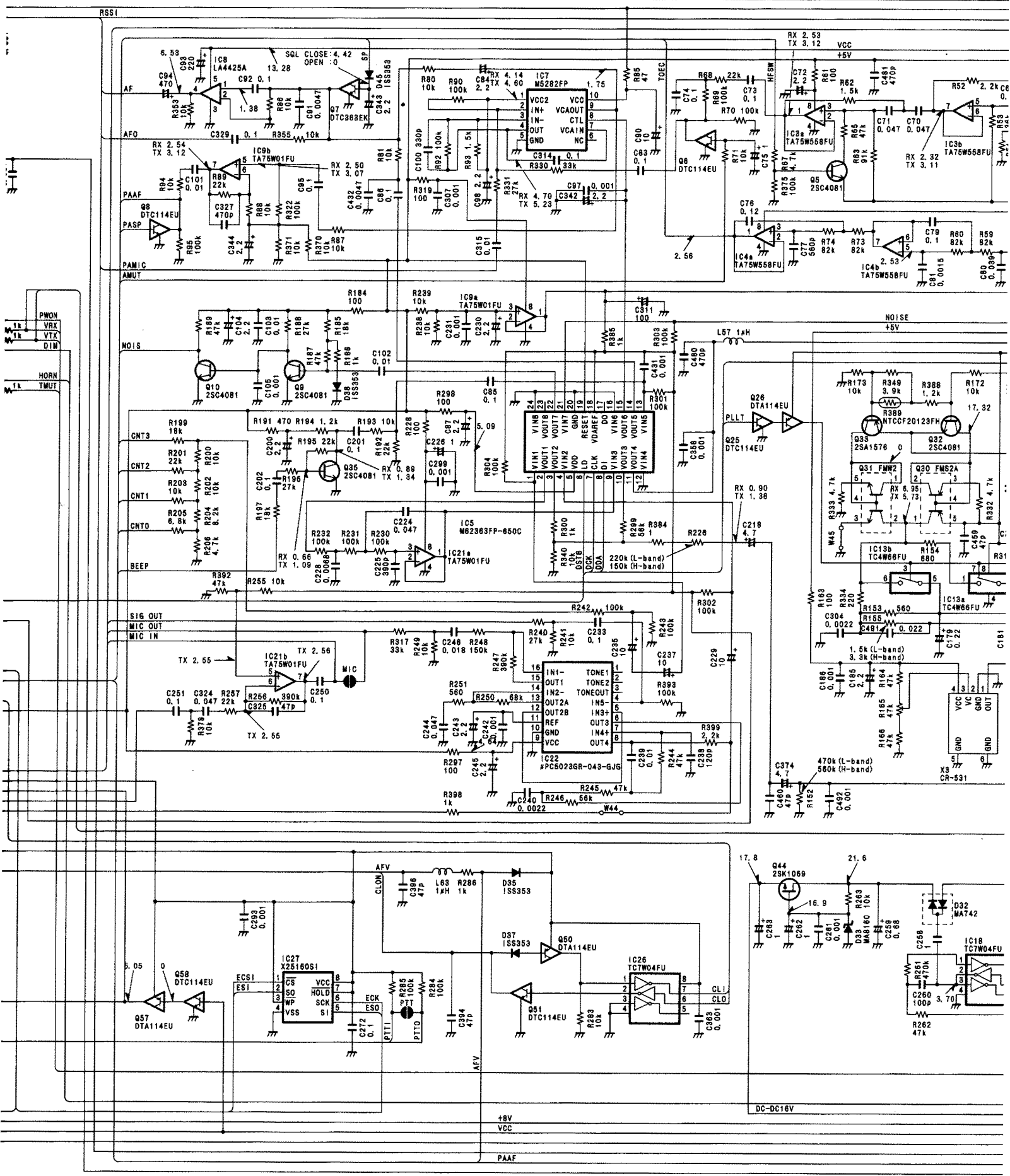


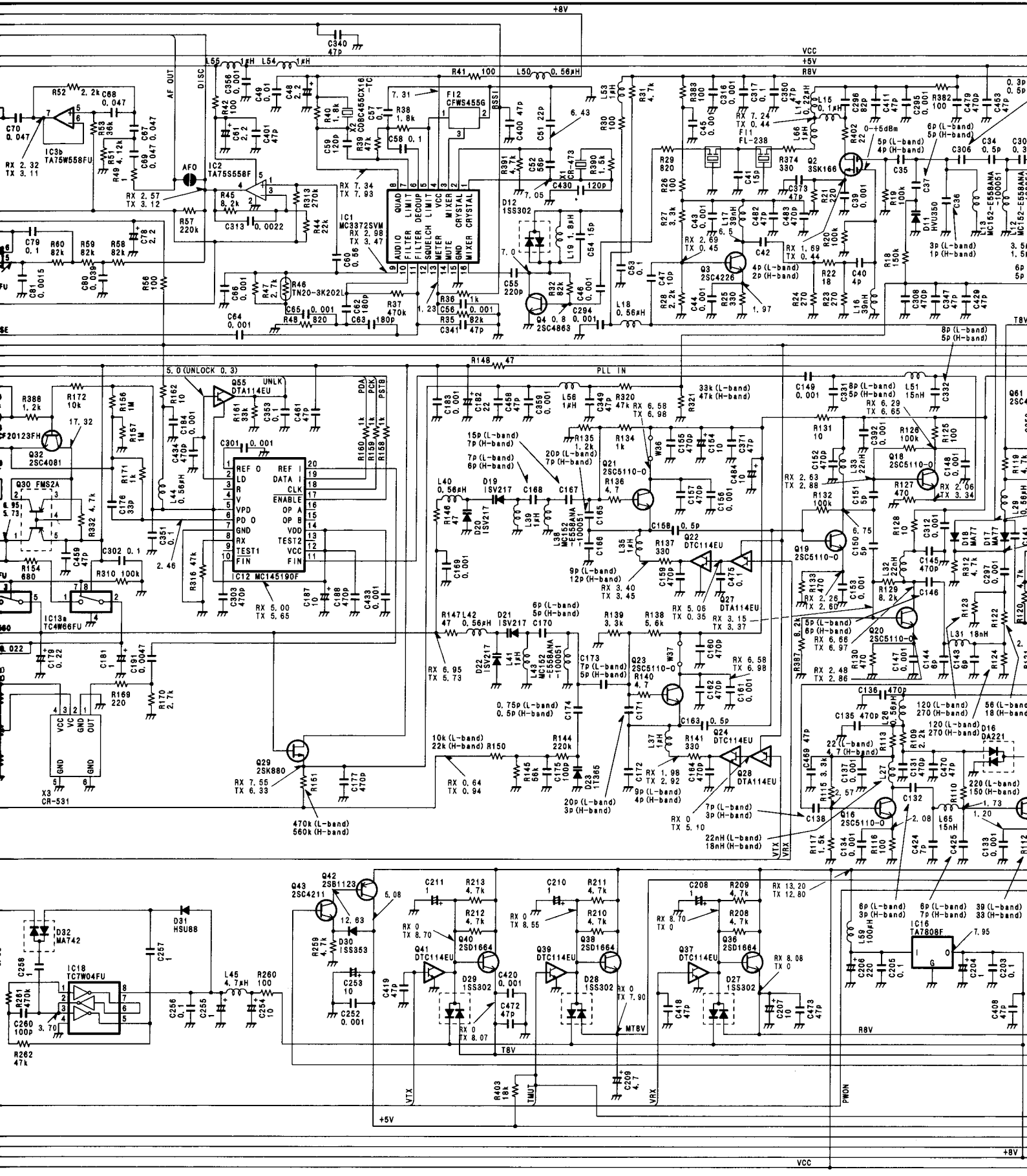




# 12-3 IC-F2500 MAIN UNIT











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A-5403KG-S

Printed in Singapore

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