



SERVICE MANUAL

CORDLESS TELEPHONE

SCT-1002

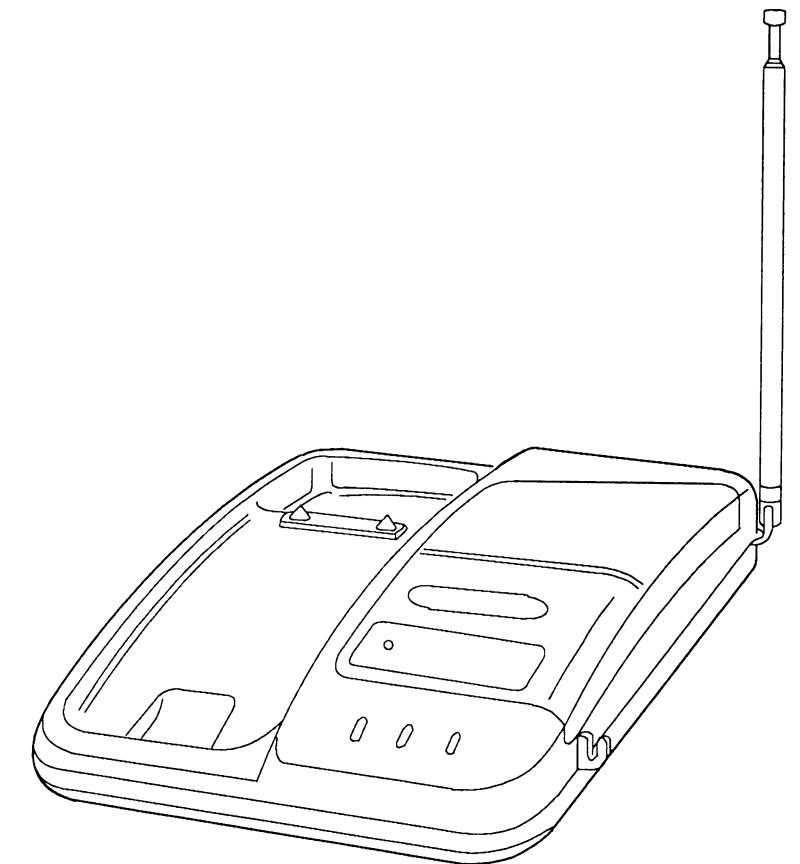
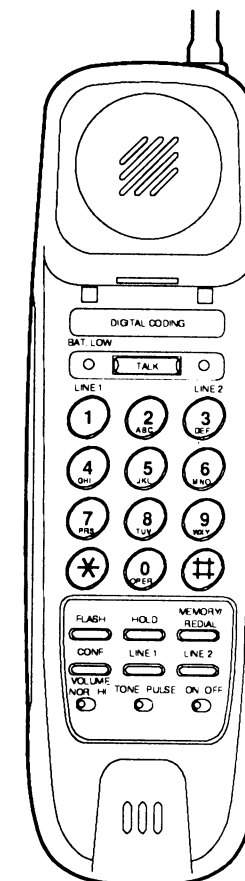


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CAUTION

Don't adjust under the environment of jamming radio wave.

Remove the helical antenna of Hand Set to adjust.

GENERAL SPECIFICATIONS

A. MEASUREMENT CONDITION

1. Standard Voltage

Portable Unit: DC 3.8V +/-0.05V
Base Unit: DC 12V +/-0.2V (Use Center ⊕ Plug)

2. Temperature

25°C +/-5°C

3. Channel Unit: MHz

	Portable(TX)	Base(TX)
1	49.670	46.610
2	49.845	46.630
3	49.860	46.670
4	49.770	46.710
5	49.875	46.730
6	49.830	46.770
7	49.890	46.830
8	49.930	46.870
9	49.990	46.930
10	49.970	46.970

4. Standard Modulation

1KHZ +/- 2.0KHz DEVIATION

5. Measurement Method

According to Funai Standard Test Procedure for Cordless Telephone

B. BASE UNIT

	Receiver	Unit	Nominal	Limit
1	Usable Sensitivity (12dB SINAD)	uV	0.8	1.8
2	Quieting Sensitivity (20dB)	uV	3.0	3.5
3	Usable 6dB Bandwidth	KHz	6	+/-3
4	Modulation Accept. Bandwidth	KHz	10	8
5	Adjacent CH Selectivity and Desensitization +/-15KHz	dB	40	25
6	Audio Output (1KHz +/-2KHz DEVIATION)	dBm	-8	+/-3
7	Audio Distortion	%	1.5	3
8	Max S/N Ratio	dB	50	45
9	Frequency Tolerance	Hz	500	1000
10	Frequency Response 300Hz	dB	-2	+/-3
	3000Hz	dB	-4	+/-3
11	Digital Code Sensitivity	uV	0.5	1.5
12	Radiated Sensitivity	uV	5.0	8.0

	Transmitter	Unit	Nominal	Limit
1	RF Output	mVrms	350	250 to 450
2	Xmit Frequency Tolerance	Hz	+/-100	+/-500
3	Modulation Sense for +/-4KHz DEVIATION	dBm	-15	+/-3
4	Xmit Audio Distortion +/-4KHz DEVIATION (No De-emphasis)	%	6.0	9.0
5	Modulation Capability 10% DISTORTION	+/-KHz	6	+/-1
6	Xmit Audio S/N (No De-emphasis)	dB	40	35
7	Audio Response (+/-4.0KHz Dev.) 300Hz	dB	-5	+/-3
	3000Hz	dB	-1	+/-3
8	Sidetone Deviation (1200ohm)	+/-KHz	5.5	8.0
9	Digital Code Deviation	+/-KHz	3.5	2 to 5
10	Radiated Power Output	mVrms	60	30

C. REMOTE UNIT

	Receiver	Unit	Nominal	Limit
1	Usable Sensitivity (12dB SINAD)	uV	0.7	1.5
2	Quieting Sens. (20dB Quieting)	uV	1.5	2.5
3	Usable 6dB Bandwidth	+/-KH	5	+/-2.5
4	Modulation Accept. Bandwidth	+/-KHz	10	8
5	Adjacent CH Rejection +/-20KHz DEV.	dB	40	30
6	Audio Output 1000uV	mVrms	300	+/-100
7	Audio Distortion 1000uV	%	1.5	3
8	Audio Change from Normal to High Position	dB	7.0	+/-2
9	Max. S/N	dB	50	45
10	Frequency Tolerance	Hz	500	1000
11	Frequency Response 300Hz	dB	+7	+/-3
	3000Hz	dB	-10	+/-3
12	Coding Sensitivity	uV	0.5	1.0
13	Radiated Sens.	dBu	25	40
	Transmitter	Unit	Nominal	Limit
1	RF Output	mV	600	400
2	Xmit Frequency Tolerance	Hz	100	500
3	Modulation Sens. for 2.0KHz Dev.	mV	25	+/-5
4	Xmit Audio Dist.	%	3	5
5	Modulation Capability 5% DIST.	+/-KHz	3.5	+/-1
6	Xmit Audio S/N (No De-emphasis)	dB	35	30
7	Audio Response 300Hz	dB	-2	+/-3
	3000Hz	dB	-4	+/-3
8	Digital Code Dev.	+/-KHz	3.5	+/-0.5
9	Radiated Power Output	mV	10	5

D. SYSTEM

a. Telephone Line Terminal

		Unit	Nominal	Limit
1	Off Hook Impedance (1KHz)	ohms	600	+/-100
2	Off Hook DC Resistance	ohms	300	+/-50
3	Ring Threshold	Vrms	33	+/-7
4	Break Ratio (Pulse Mode)	%	60	58 to 64
5	Pulse Dial Speed	PPS	10	+/-1
6	Inter Digit Time (Pulse Mode)	mS	800	+/-50

		Unit	Nominal	Limit
7	DTMF Tone Frequency (Low Group)			
	1. 697	Hz	697	+/-1.2%
	2. 770	Hz	770	+/-1.2%
	3. 852	Hz	852	+/-1.2%
	4. 941	Hz	941	+/-1.2%
	5. Low Group Level	dBm	-7	-5 to -9
8	DTMF Tone Frequency (High Group)			
	1. 1209	Hz	1209	+/-1.2%
	2. 1336	Hz	1336	+/-1.2%
	3. 1477	Hz	1477	+/-1.2%
	4. High Group Level	dBm	-5	-3 to -7
9	DTMF Tone Level (High & Low)			
	1. Max Level per Pair	dBm	-4	-2 to -6
	2. Max Level Different Between High & Low	dB	2	4
	(Note: High Group Level must Equal or Exceed Low Group Level)			
10	Redial Tone On Time	mS	110	+/-10
11	Redial Tone Off Time	mS	120	+/-10
12	Audio Loss in Conference Mode Reference to Single Line	dB	0	-3 MAX

b. Power Drain

		Unit	Nominal	Limit
1	Base Unit (maximum)	mA	200	250
2	Portable Unit Standby (Save Mode)	mA	12	13
	In Use	mA	40	50
3	Battery Low Led Turn On	Vdc	3.5	+/-0.1
4	Battery Charging Current	mA	29	+/-5
5	Short Circuit Current	mA	125	150

E. Other

a. Operating Temperature Range

; -20°c to +50°c

b. Operating Humidityrance

; Up to 90% at 40°c for a period of not less than 8 hours.

c. Remote Operating Voltage 3.0Vdc to 4.5Vdc

d. Remote CPU Memory Retention Voltage 2.7Vdc MAX

e. ESD

- Unit must withstand electrostatic discharge with normal function over a range of 1KV through 15KV using a probe with a 150ohm resister in series with a 150pF capacitor and at 40% or less relative humidity.
- Unit must withstand electrostatic discharge with normal function over a range 15KV through 20KV using a high voltage discharge probe with a 10K ohm resister in series with 150pF capacitor and at 40% or less relative humidity.

CORDLESS FREQUENCY LIST

REMOTE UNIT

CH	TX Frequency	X'tal Frequency	RX Frequency	X'tal Frequency
1	49.670MHz	16.5566MHz	46.610MHz	11.53875MHz
2	49.845MHz	16.6150MHz	46.630MHz	11.54375MHz
3	49.860MHz	16.6200MHz	46.670MHz	11.55375MHz
4	49.770MHz	16.5900MHz	46.710MHz	11.56375MHz
5	49.875MHz	16.6250MHz	46.730MHz	11.56875MHz
6	49.830MHz	16.6100MHz	46.770MHz	11.57875MHz
7	49.890MHz	16.6300MHz	46.830MHz	11.59375MHz
8	49.930MHz	16.6433MHz	46.870MHz	11.60375MHz
9	49.990MHz	16.6633MHz	46.930MHz	11.61875MHz
10	49.970MHz	16.6566MHz	46.970MHz	11.62875MHz

BASE UNIT

CH	TX Frequency	X'tal Frequency	RX Frequency	X'tal Frequency
1	46.610MHz	15.5366MHz	49.670MHz	12.30375MHz
2	46.630MHz	15.5433MHz	49.845MHz	12.34750MHz
3	46.670MHz	15.5566MHz	49.860MHz	12.35125MHz
4	46.710MHz	15.5700MHz	49.770MHz	12.32875MHz
5	46.730MHz	15.5766MHz	49.875MHz	12.35500MHz
6	46.770MHz	15.5900MHz	49.830MHz	12.34375MHz
7	46.830MHz	15.6100MHz	49.890MHz	12.35875MHz
8	46.870MHz	15.6233MHz	49.930MHz	12.36875MHz
9	46.930MHz	15.6433MHz	49.990MHz	12.38375MHz
10	46.970MHz	15.6566MHz	49.970MHz	12.37875MHz

THEORY OF OPERATION

REMOTE UNIT

Receiving by Remote Unit

1. The RF carrier of 46 MHz band emitted from the Base Unit is picked up by the antenna of the Remote Unit. The picked-up signal reaches T8 (Loading Coil) and an RF filter consisting of T5 and T7, and next is amplified by Q11.
2. The 11MHz band oscillation frequency from Q13 and T6 is converted to 35MHz and cover to 455KHz by X11. The original signal which has been modulated at the Base Unit is demodulated here at the Remote Unit, and next is detected by IC11 through CF11 (455KHz filter).
The amplified 455KHz signal is FM-detected by IC11 and the detected signal is output from Pin 9 of IC11. , and output from Pin 9 of IC11.

Sending from Remote Unit

1. When TALK button is pressed in the Standby mode, the Remote Unit enters Sending mode with Pin 12 of IC101 switching from high to low.
2. A high to low transition on Pin 12 of IC101 is transferred to the collector of Q19 to cause it to go high, and Pin 13 of IC101 go low continuous, Q108 is activated.
3. When Q19 and Q108 is activated, a voltage appearing at the collector of Q13 and Q108 causes Q16 and Q17 to be activated.
4. Q17 and T11 generates a signal at 16MHz band.
5. The 16MHz band signal is tripled by T10 to become a 49MHz band signal, which is amplified by Q16 and passes through a filter network of T9 and T8 (Loading Coil), and then emitted from the antenna.

TALK/ST-BY/OFF mode of the Remote Unit

1. TALK mode

Pressing TALK button causes the unit to enter TX ON status, and the code is sent from Pin 35 and 36 of IC101 to T11 from which the code is transmitted. Link is established and the unit enters PHONE mode. Pin 15 of IC101 goes low, causing inverter of IC103 to turn on MIC. At the same time, Pin 12 of IC101 goes high to activate Q19 enables Q109, Q101 and Q102 to drive the speaker which emits the voice. Pin 19 (Line 1) and/or Pin 20 (Line 2) of IC101 goes low and the TALK LED light(s).

2. Standby mode

Pressing again TALK button pulls Pin 12 of IC101 to low, which causes Q19 to disable Q109, Q101 and Q102 silencing the speaker. And stops TX by Pin 12 of IC101 also goes low. Pin 17 (Line 1) or Pin 20 (Line 2) of IC101 goes high, which causes Q106 (Line 1) or Q107 (Line 2) turning off the LED (D101, D105). The code is sent from Pin 35 and Pin 36 of IC101 to the Base Unit, and the unit enters the ST-BY mode. ST-BY mode can be entered by either normal ST-BY or Auto ST-BY. If the Remote Unit is placed on the charge cradle of the Base Unit, set the unit to TALK mode to enter Auto ST-BY mode.

Pressing TALK button causes the unit to enter TX ON status, and the unit enter Line 1 PHONE mode. And pressing HOLD button and pressing Line 2 button and CONFERENCE button to enter the CONFERENCE mode.

BASE UNIT

1. Standby Mode

Whenever the Base Unit is turned on, the IC206 develops +5 VDC which is fed to IC201, IC202, IC203, IC401 and IC208, making them operative. And the +9 VDC is applied to Q207, Q220, Q221 and Q222. And the +8 VDC is applied to IC203. The reset circuit consisting of Q401 and D401 make Pin 30 high and next make Pin 24 of IC401 (CPU) high, initializing the CPU and putting the unit into the Standby Mode. Now, the following circuits are functional.

RF Circuit
IF Circuit
RX Audio Amplifier
Carrier Detector
TX Local OSC
RX Local OSC
TX Audio Circuit
Ringer Detector
The MUTE is also made effective by the CPU output port.

2. Charging

Placing the Remote Unit on the cradle causes the Base Unit to supply charge current through the charge terminal to the Remote Unit feeding current into the base of Q603 and lights the charge LED (D602).

3. Paging

Pressing the Page Switch (S601) in the Standby Mode places a low on the 25 Pin of CPU (IC401) which puts the unit into the Page Mode the CPU places a high on its Pin 3, which turns the TX SW on and outputs digital code on its 2 Pin and 1 Pin, feeding the TX oscillator.
The 46MHz carrier is then transmitted from the antenna through the TX filter. The carrier is FM modulated with the digital code being applied to T211.

4. Ringing

When an input signal is received at the TEL Line, a ring signal is output by the photo coupler IC209 (Line 1) and IC210 (Line 2) then fed to Pin 26 (Line 1) or Pin 27 (Line 2) (Ring Detector) of IC401. The Pin 9 (Line 1) and Pin 10 (Line 2) and/or Pin 26 and Pin 27 varies with the ring signal and the output. Pin 9 (Line 1) or Pin 10 (Line 2) goes and stays low while the ring signal is output.

5. IN USE

Setting the Remote Unit to TALK Mode sends a digital code.
The carrier frequency is at 49 MHz band when it is sent from the Remote Unit to T208, T209 and T206 of the Base Unit and amplified at Q201 and 12KHz sent out from X203 is tripled by Q204 and T207 and mixed by Q202. The demodulated digital code is detected on Pin 9 of IC201 and filtered at IC202 and then is input to Pin 28 of IC401. The CPU reads these codes from Pin 28 respectively, and if the security codes match each other, set the unit to IN USE mode. Upon entering IN USE mode, Pin 9 (Line 1) or Pin 10 (Line 2) of the CPU goes high, making the relay driver active so that driving RL201 (Line 1) or RL202 (Line 2) makes the line off-hook, and flows the current through the telephone line. The CPU puts the Pin 9 (Line 1) or Pin 10 (Line 2) high to light the PHONE LED (D603 Line 1 or D604 Line 2), also puts the Pin 14 high to disable MUTE.

6. Dialing
(Tone Dialing)

When a tone dialing is made on the Remote Unit in IN USE mode, a DTMF code is amplified and detected at IC201 and after the DTMF code is input to Pin 28 of IC401, a DTMF signal is output from Pin 16 of IC401 and then detected to the OPE-AMP of IC202 and next it is further amplified and placed on the line.

(Pulse Dialing)

When a Pulse Dialing is made on the Remote Unit IN USE mode, the Remote Unit routes a dial code to the Base Unit which detects the code and if it is a correct one, interrupt the CPU to enter the Pulse Dialing mode.

ADJUSTMENT PROCEDURE

REMOTE UNIT

1. Setup

Apply a 3.8 VDC from the constant voltage source to the Remote Batt terminal.

2. Transmitter Frequency Adjustment

Set the source voltage to 3.8 VDC. Set the unit to TALK mode;
PHONE LED will light. Connect the Dummy Antenna (Fig. 1) across ANT and GND. Connect the Frequency Counter. Fine tune T11 so that each of the following Frequencies is within $\pm 100\text{Hz}$ of the specified value.

CH1	49.670MHz	CH6	49.830MHz
CH2	49.845MHz	CH7	49.890MHz
CH3	49.860MHz	CH8	49.930MHz
CH4	49.770MHz	CH9	49.990MHz
CH5	49.875MHz	CH10	49.970MHz

3. Transmitter Power Adjustment

Connect an RF Voltmeter to the Dummy Load between Test Point 2 and GND. Obtain a maximum reading on the meter with the following adjustments.

- 1. Adjust T8, T9 and T10 for a maximum reading.
- 2. Adjust T11 for $f_0 \pm 100\text{Hz}$.
- 3. Adjust T8, T9 and T10 for a maximum reading.

4. Receiver Sensitivity Adjustment

- 1. Set the unit to TALK mode.
- 2. Connect the SG (modulation, 1KHz $\pm 2\text{KHz}$ Dev.) through the Dummy Load.
- 3. Connect a 750 Ohm Resistor to SPEAKER terminal as a Dummy Load. Connect the AC Millivolt Meter across the Resistor.
- 4. Adjust T4, T5, T7, T1, T6, T2 and T3 for a maximum Receiver Sensitivity.
- 5. Readjust T5, T7, T1, T6, T2, T3 and T8 in that order for a maximum Receiver Sensitivity.
- 6. Adjust VR11 for Audio Output 300mVrms (Volume: Normal)

5. Modulation Sensitivity Adjustment

Connect a Dummy Load across ANT and GND as shown in the figure below. Connect the Audio Generator to MIC input via 1uF capacitor. With TALK mode, set the generator for 25mV output at 1KHz. Adjust VR13 so that the Frequency Modulation Meter shows 2.0KHz deviation.

6. Digital Code Dev. Adjustment

With the above setup, adjust Digital Code Dev. by VR12, using a substitution method as described below.

- 1. Adjust the modulation rate at the SG so that Freq. Mod. meter reads 1KHz $\pm 3.5\text{KHz}$ Dev. Record the peak output of the direct detector on the Storage Oscilloscope.
- 2. Connect the direct detector to the remote unit through the Dummy Load. Press and hold Flash Key (or TALK/ST-BY Key) and transmit Digital Code continuously.
- 3. Adjust VR12 so that the Storage Oscilloscope connected to the direct detector shows the same peak value as recorded in step 1.

BASE UNIT

NOTE: Make sure to use the supplied AC Adaptor. (Accessory)

1. Setup

Power up the unit (plug in the AC adaptor).

2. RX Sensitivity Adjustment

- 1. While operating the transmitter, short-circuit RL201. Now, a currenxy of 28mA is supplied from the Loop Simulator to the primary circuit of the Telephone Line, Tel Line 1 or Tel Line 2.
- 2. Disconnect one of the leads of D219 and D218 to disable MUTE.
- 3. Set the SG for 1mV. Terminate Tel Line with a 600 Ohm load.
- 4. Adjust T205, T208, T206, T207, T202, T203 and T204 for a maximum RX sensitivity and Adjust VR215 to Tel Line output-8dBm. Next readjust T208 and T206 in that order for a maximum RX sensitivity.

3. Transmitter Frequency Adjustment

CH 1	46.610MHz	CH 6	46.770MHz
CH 2	46.630MHz	CH 7	46.830MHz
CH 3	46.670MHz	CH 8	46.870MHz
CH 4	46.710MHz	CH 9	46.930MHz
CH 5	46.730MHz	CH 10	46.970MHz

Feed the TX output to the RF counter. (The lead of Rod Antenna must be left disconnected.)
This enables the TX carrier to be output. Fine tune T211 so that the frequency of each channel is within +/-100Hz of the specified frequency listed above.

4. Transmitter Output Adjustment

Set side
Connect a Dummy Load (shown Fig. 2) to ANT and GND. Connect an RF SSVM to the Dummy ANT between Test Point 1 and GND. Adjust T209 and T210 a peak reading on the meter. Readjust T209 for a peak reading.

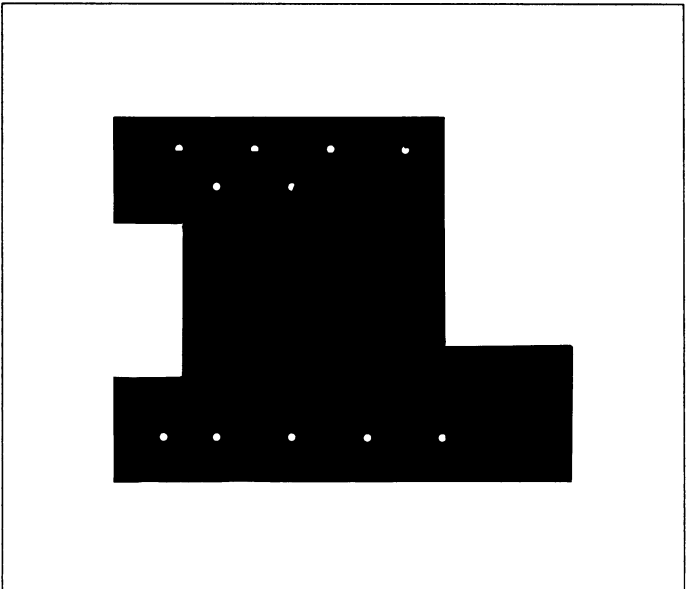
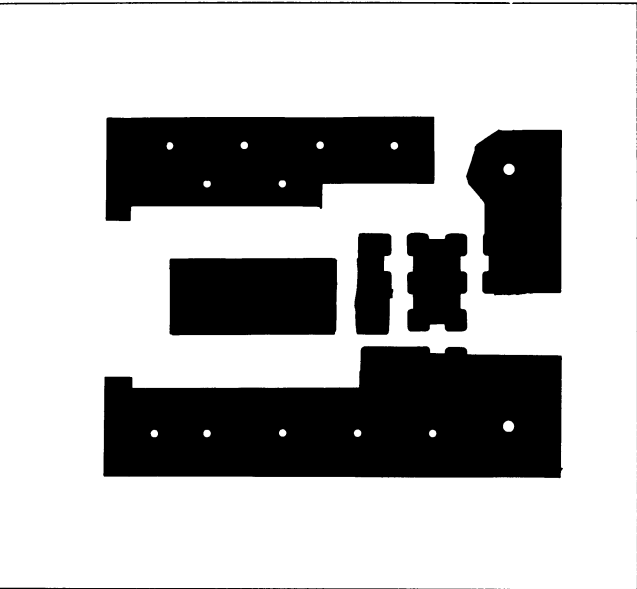
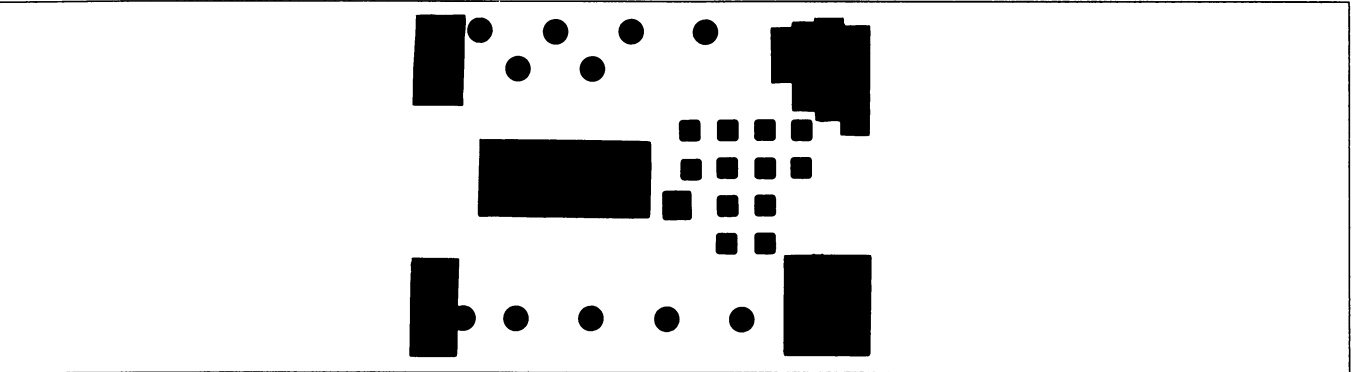
5. Carrier Sensitivity Adjustment

With the base unit in PHONE mode, turn VR210 fully counterclockwise. Turn VR210 clockwise to a point where Pin 13 of IC201 switches from low to high when Usable Sensitivity is set to 6 dB SINAD.

6. Modulation Sensitivity Adjustment

Adjust Modulation Sensitivity. to ±4KHz dev. at Tel Line input-15dBm 1KHz by VR220.

Dummy Antenna



Remote Unit

Base Unit

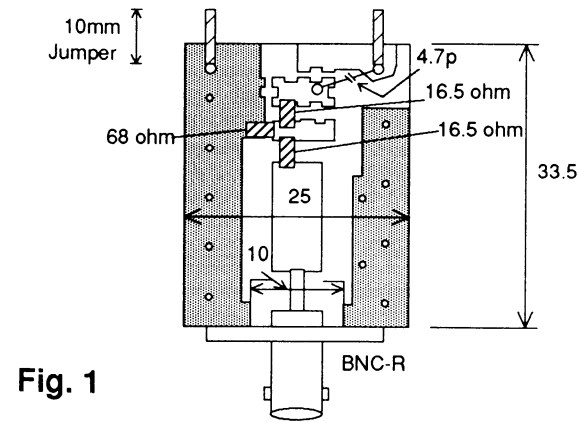
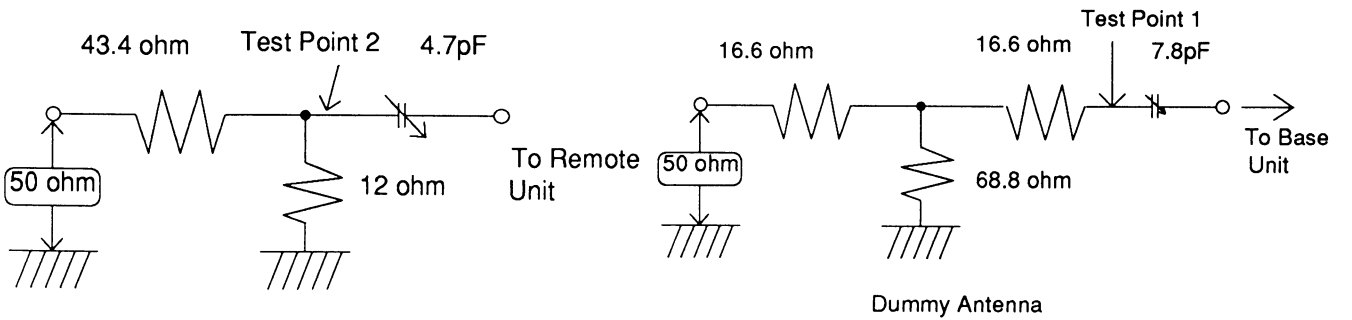


Fig. 1

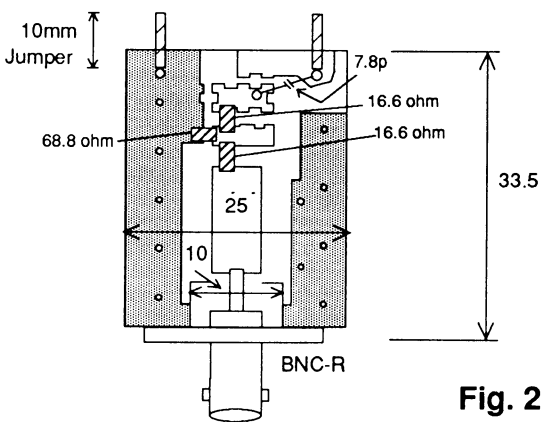
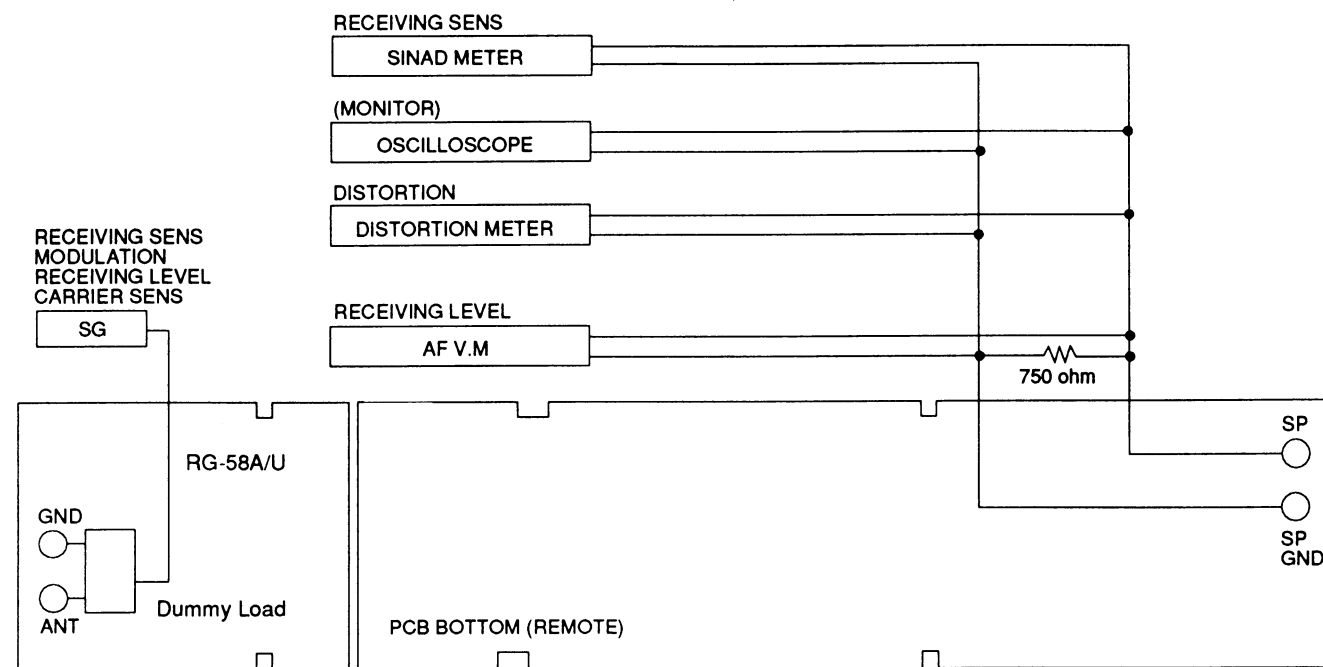


Fig. 2

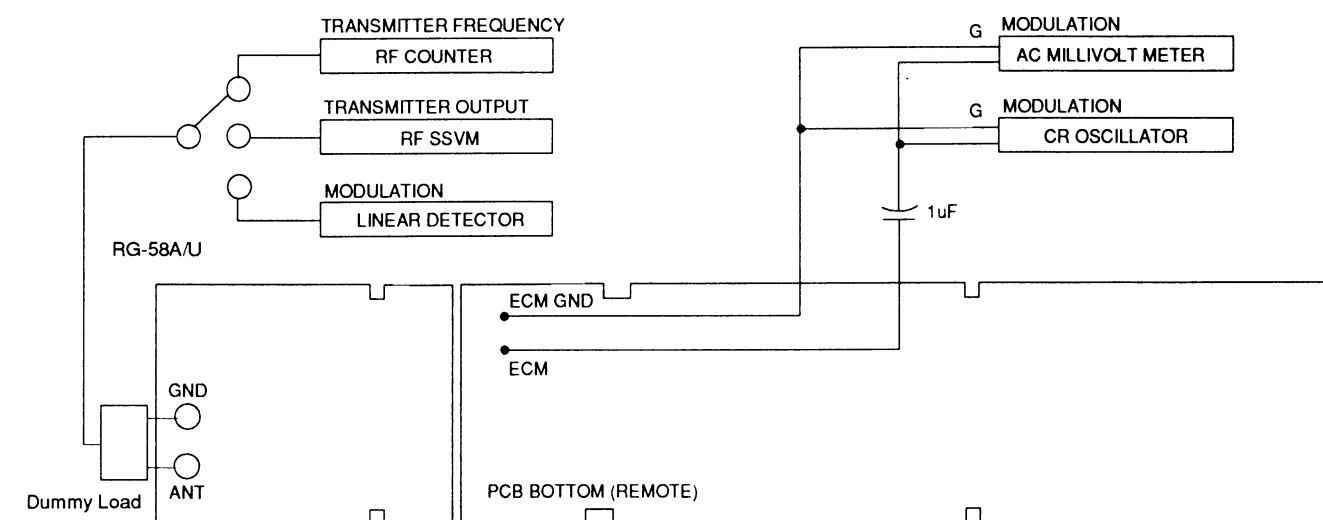
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5-3

(HAND SET)

Receiving

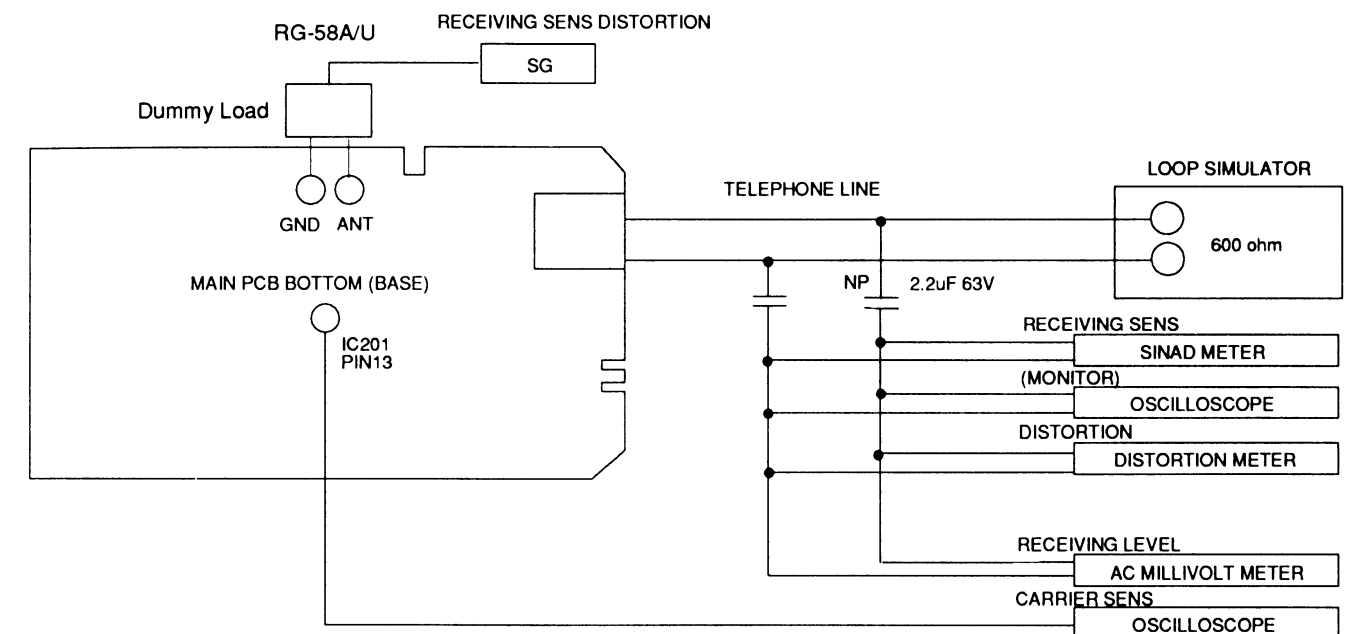


Output

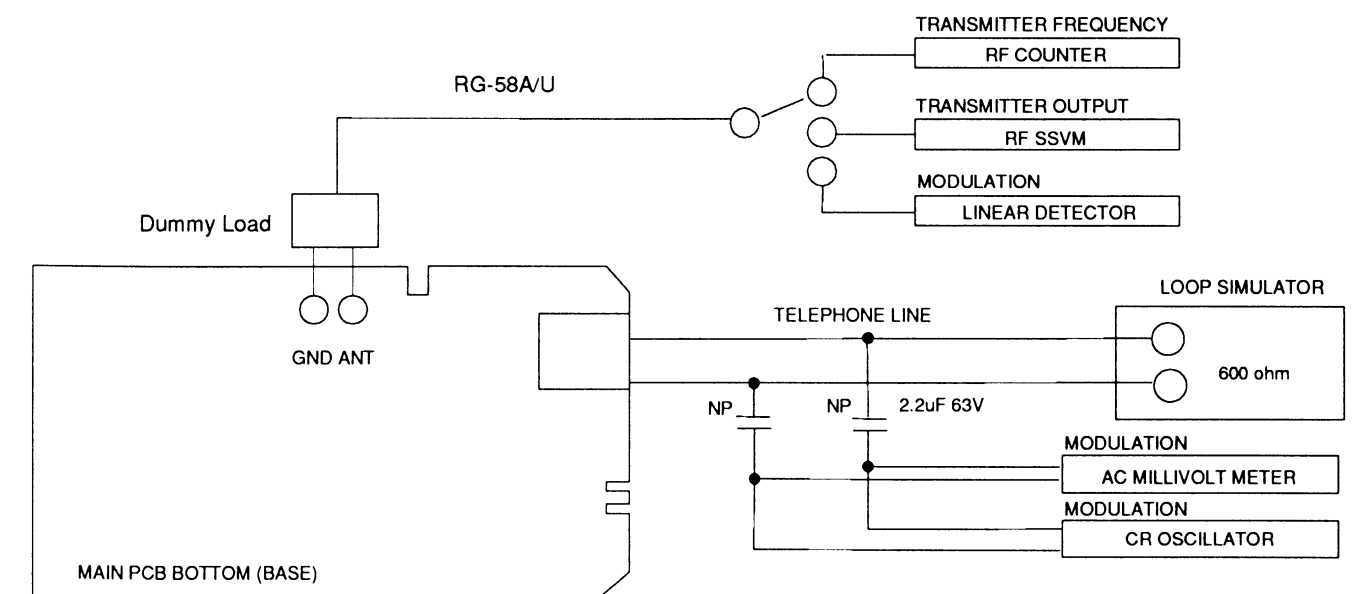


(BASE SET)

Receiving

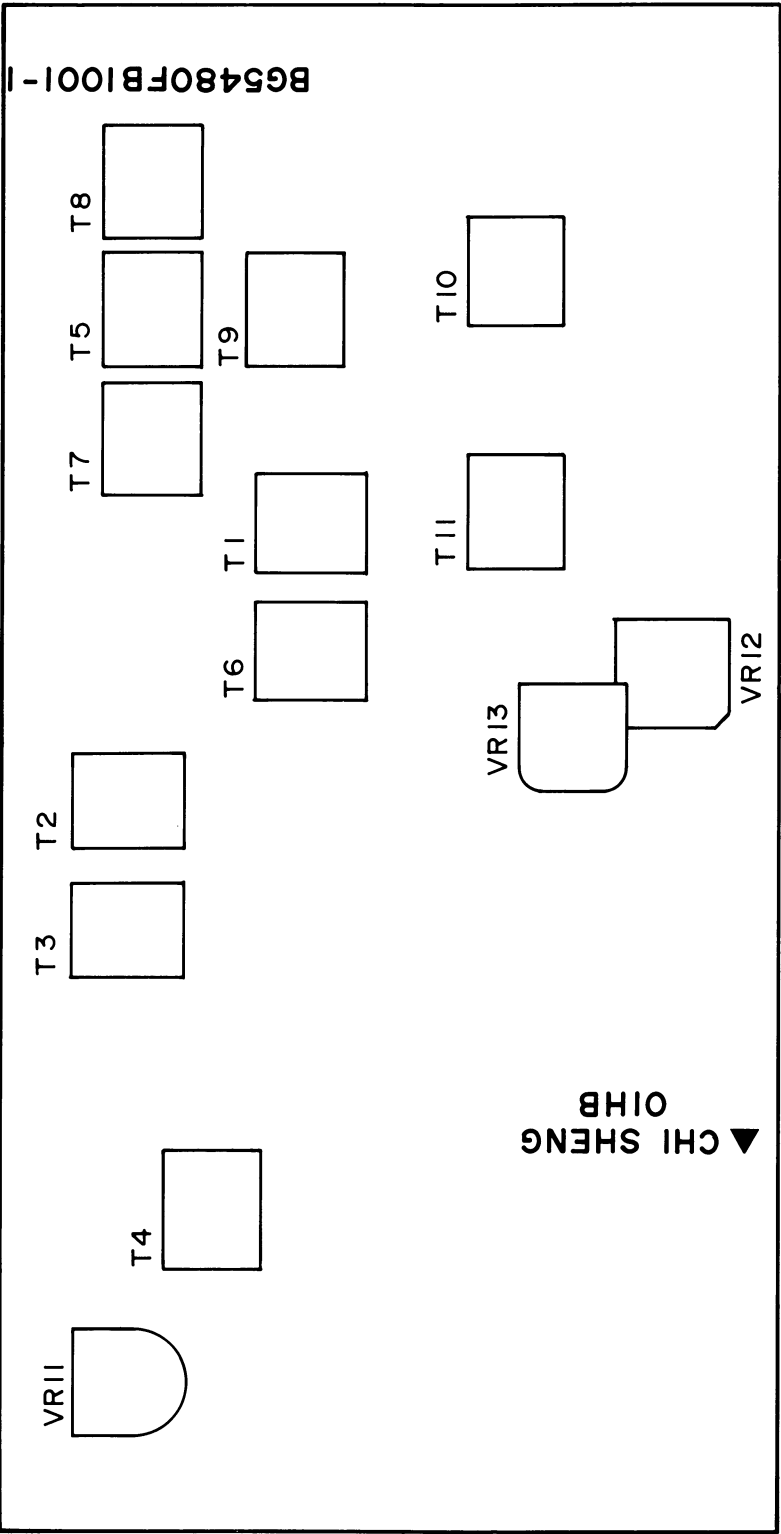


Output

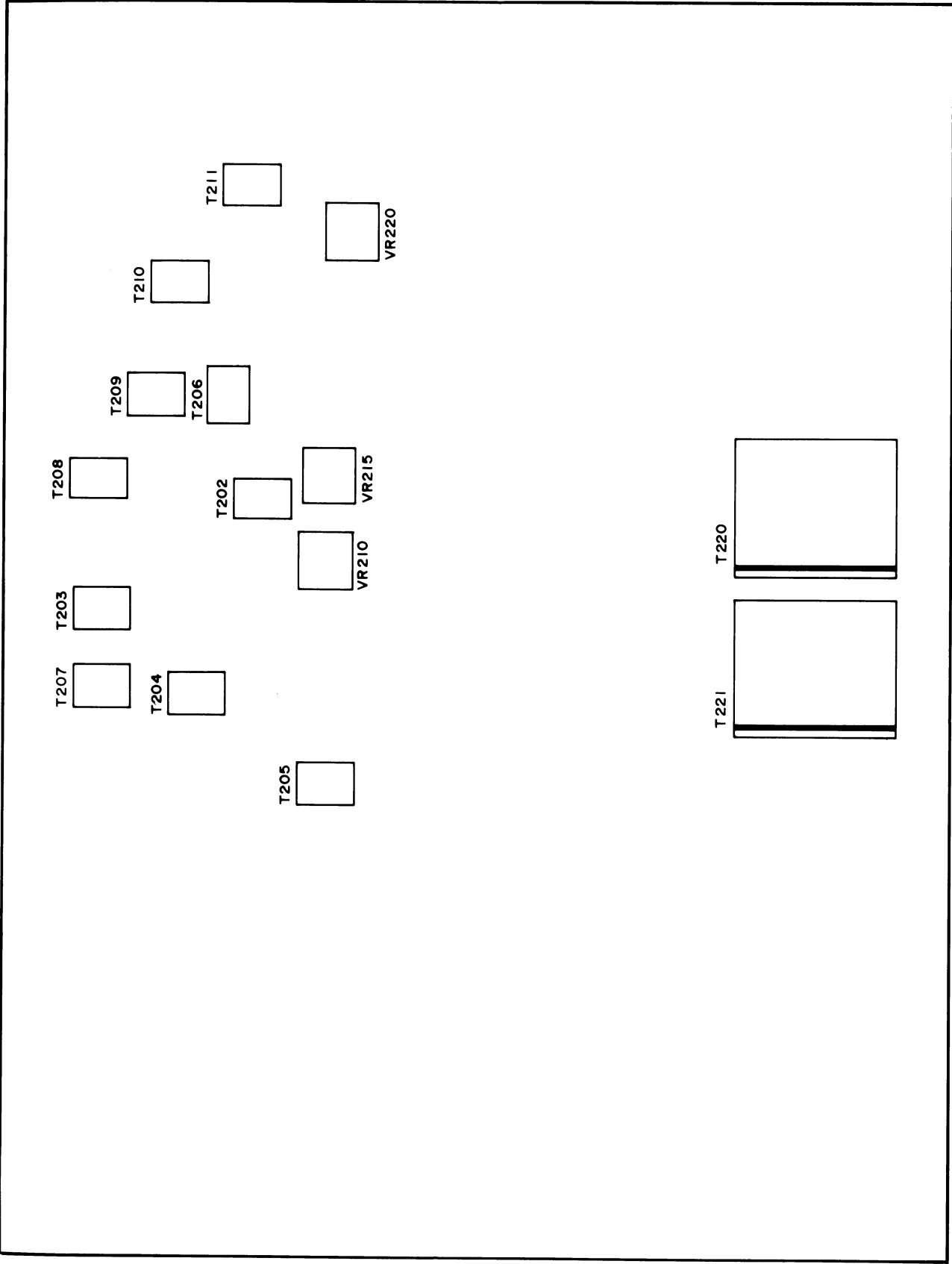


ALIGNMENT POINTS

REMOTE



BASE



TROUBLESHOOTING GUIDE

NOTE: Confirm that the battery is fully charged before this procedure.

REMOTE UNIT (The security code SW must match that of the Base Unit.)

Problem	Check if	Check point
No ring accepted	a) TALK LED won't light b) PHONE LED on the Base Unit won't light	IC11, IC101, IC103, Q11, Q12, Q13, Q104, Q112, SW101 IC101, Q16, Q17, Q19
No sound heard	a) Only noise heard b) Even noise not heard	IC11, IC101, IC103, Q11, Q12, Q13 IC11, IC101, IC103, Q11, Q12, Q13, Q101, Q102, Q109, SP101, SW103
No message Transmitted to the other party		IC101, IC103, Q16, Q17, Q19, ECM
Dialing impossible	a) Tone dialing Only impossible b) Pulse dialing Only impossible c) No dialing impossible	IC101, Q16, Q17, Q19 IC101, Q16, Q17, Q19 IC101, Q16, Q17, Q19
Key tone is not heard.	Dialing is possible	IC101, Q101, Q102, Q109, SP101
Cannot enter Standby mode		IC11, IC101, Q11, Q12, Q13, SW101
No ring sound	LED is flashing	IC101, Q104, Q112, SP102
No charging		Broken Battery or wire
Auto Standby is impossible	ST-BY is possible	IC101
Battery Low LED won't light		IC101
No redial		IC101, Q16, Q17, Q19

BASE UNIT

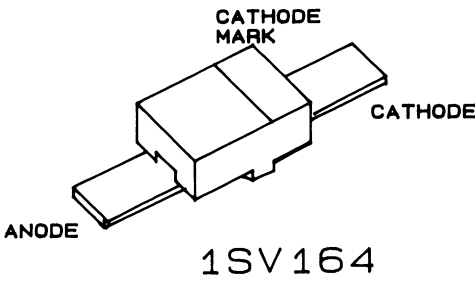
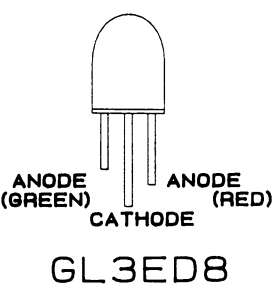
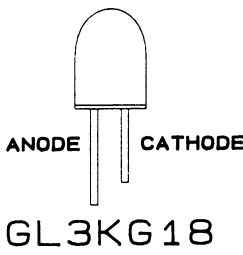
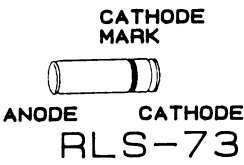
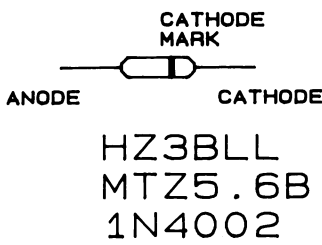
(The security code SW must match that of the Remote Unit.)

Problem	Check if	Check point
POWER LED won't light	a) No power from AC adaptor b) AC adaptor is good	AC/DC adaptor IC207
No ring accepted	PHONE LED won't flash	IC206, IC209, IC210, IC401, IC404
No ring sound in Remote mode	PHONE LED is flashing	IC401, Q203, Q206, Q234
No charging	CHG LED won't light	IC207, Q603 Broken wire
Page won't sound in Remote mode	a) Neither does ring b) Ring sounds	IC201, IC301, IC351, IC401, S304 IC401, Q203, Q206, Q234
TALK won't work		IC201, IC202, IC401, Q203, Q603
Can't enter Standby mode		IC201, IC202, IC401, Q203
Auto Standby won't work	ST-BY is possible	Q603, Broken wire
High noise level		IC201, IC401, Q201, Q202, Q203, Q204, Q205, Q206
No party's voice		IC208, Q202, Q203, Q205, Q206
No voice to the other party	Party's voice can be heard	IC201, IC202, IC208, Q201, Q202, Q204, Q207, Q220, Q221, Q222
Party's voice is distorted		IC202, IC208, Q203, Q205, Q206
High side tone level		IC201, IC202, IC208, Q207, Q220, Q221, Q222
Line is kept accessed	PHONE LED lights	IC401, Q406, Q407, Q408, RL201, RL202, RL203
No dialing		IC401, Q407, Q408, RL201, RL202
Flash, redial and remote functions are disabled		IC401, Q407, Q408, RL201, RL202

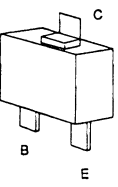
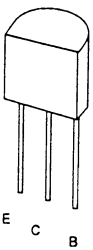
SEMICONDUCTOR LEAD IDENTIFICATIONS

REMOTE UNIT

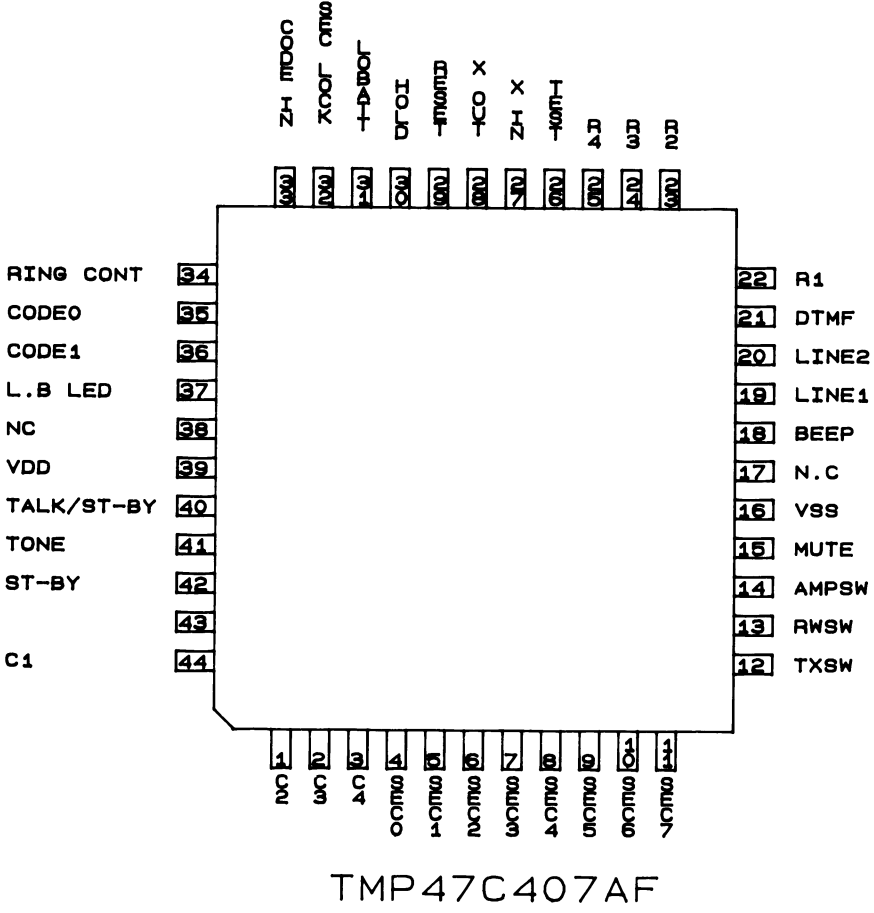
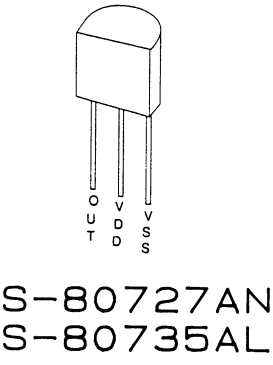
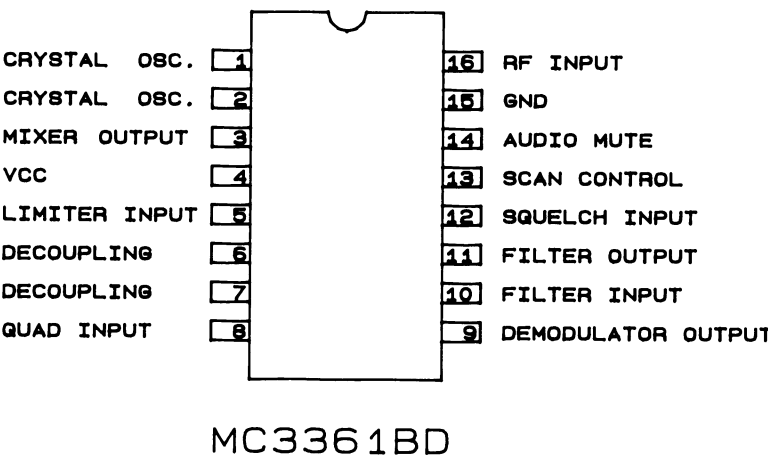
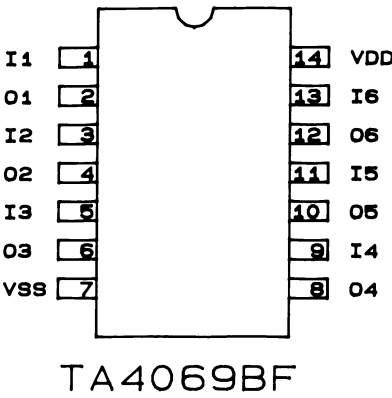
1. DIODE



2. TRANSISTOR

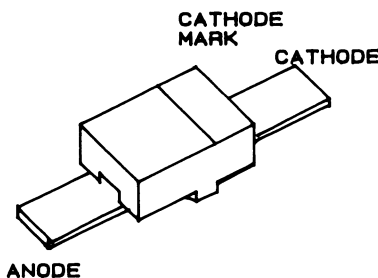
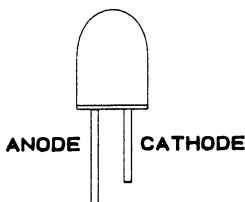
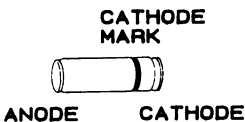


3. IC



BASE UNIT

1. DIODE



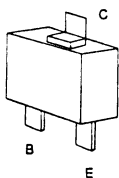
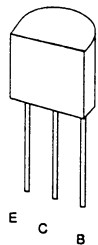
1N4001
1N4002
1N4004
1SS133
MTZ3.9B
MTZ9.1B
MTZ27B

RLS-73

LN28RPL

1SV164

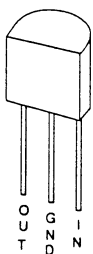
2. TRANSISTOR



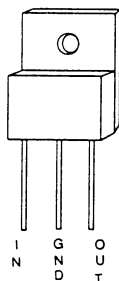
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2SC1675
LC945
LA733

2SC2412K
2SA1037K

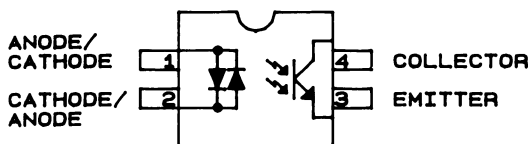
3. IC



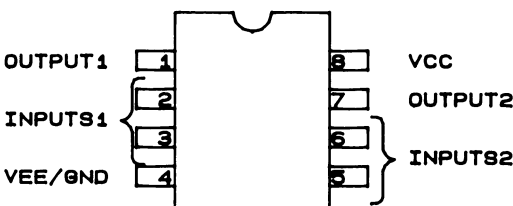
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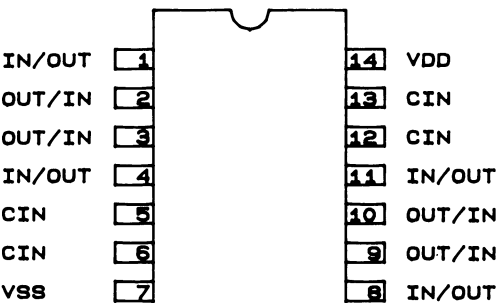
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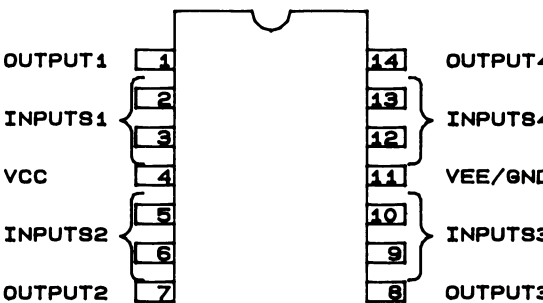
PS2505-1



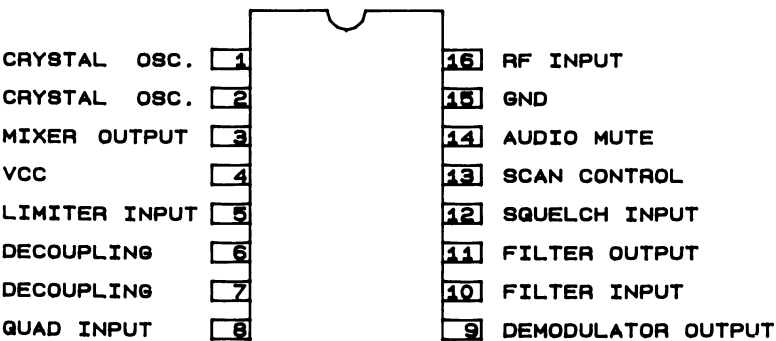
LM358N



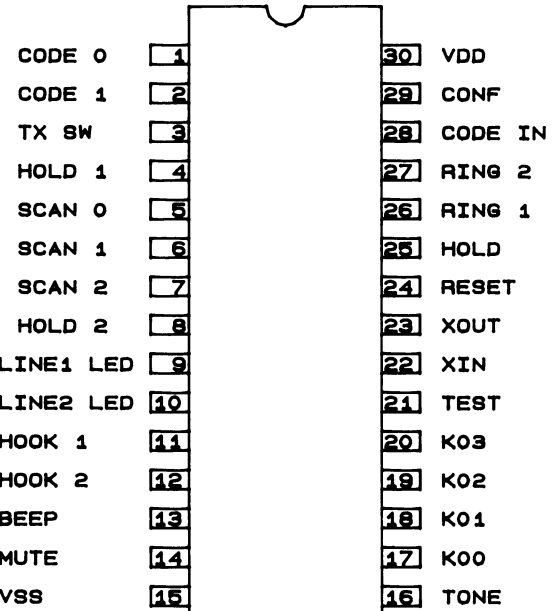
TC4066BP



LM342N



MC3361BP



TMP47C454P

SEMICONDUCTOR VOLTAGE CHART

REMOTE

Pin	No.	Power Off	Standby	Line 1	Line 2	CONF	Line 1 Hold	Line 2 Hold	CONF Hold	Page	Ring	Charge
Q11	E	0	0	0	0	0	0	0	0	0	0	0
	C	0	1.6/0.7	2.48	2.48	2.48	2.48	2.48	2.48	2.48	2.48	1.6/0.7
	B	0	0.70	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.70
Q12	E	0	0	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0
	C	0	2.1/0.7	3.38	3.38	3.38	3.38	3.38	3.38	3.38	3.38	2.1/0.7
	B	0	0.8/0.3	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	0.8/0.3
Q13	E	0	0	0	0	0	0	0	0	0	0	0
	C	0	1.7/0.8	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62	1.7/0.8
	B	0	0.6	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72
Q16	E	0	0	0	0	0	0	0	0	0	0	0
	C	0.1	0	4.98	4.98	4.98	4.98	4.98	4.98	4.98	0	0
	B	0	0.6	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.6	0.6
Q17	E	0	0.5	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0	0.5
	C	0	0	3.05	3.05	3.05	3.05	3.05	3.05	3.05	3.05/0	0
	B	0	0	1.21	1.21	1.21	1.21	1.21	1.21	1.21	1.21/0	0
Q19	E	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80
	C	0	0	3.66	3.66	3.66	3.66	3.66	3.66	3.66	3.66/0	0
	B	3.60	3.60	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.8/3.1	3.60
Q101	E	0	0	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
	C	0	0	2.09	2.09	2.09	2.09	2.09	2.09	2.09	2.09	2.09
	B	0	0	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0
Q102	E	0	0	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60/0	0
	C	0	0	3.66	3.66	3.66	3.66	3.66	3.66	3.66	3.66/0	0
	B	0	0	2.26	2.26	2.26	2.26	2.26	2.26	2.26	2.26/0	0
Q104	E	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80
	C	0	0	-3.90	-3.90	-3.90	-3.90	-3.90	-3.90	0.69	-3.9/-1.7	0
	B	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	1.90	3.8/2.7	3.80
Q106	E	3.80	3.80	1.99	3.80	1.99	1.99	3.80	1.99	3.80	3.8/2.7	3.80
	C	0	0	1.93	0	1.93	1.93	0	1.93	0	1.3/0	0
	B	3.80	3.80	1.30	3.80	1.30	1.30	3.80	1.30	3.80	3.8/2.7	3.80
Q107	E	3.80	3.80	1.99	3.80	1.99	1.99	3.80	1.99	3.80	3.8/2.7	3.80
	C	0	0	0.64	0	0.64	0.64	0	0.64	0	0.64/0	0
	B	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80
Q108	E	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80
	C	0	3.71	3.71	3.71	3.71	3.71	3.71	3.71	3.71	3.71	3.71
	B	3.80	3.09	3.09	3.09	3.09	3.09	3.09	3.09	3.09	3.09	3.09
Q109	E	0	0	0	0	0	0	0	0	0	0	0
	C	0	0	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34
	B	0	0	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
Q110	E	0	0	0	0	0	0	0	0	0	0	0
	C	0	0	0	0	0	0	0	0	0	0	0
	B	0.62	0	0	0	0	0	0	0	0.62	0	0
Q111	E	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60
	C	0	0	0	0	0	0	0	0	0	0	0
	B	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73

Pin	No.	Power Off	Standby	Line 1	Line 2	CONF	Line 1 Hold	Line 2 Hold	CONF Hold	Page	Ring	Charge
Q112	E	0	0	0	0	0	0	0	0	0	0	0
	C	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	2.40	3.8/3.0	3.80
	B	0	0	0	0	0	-3.98	-3.98	-3.98	0.65	-4.0/0.8	0
Q120	E	0	0	0	0	0	0	0	0	0	0	0
	C	0	0	0	0	0	0	0	0	0	0	0
	B	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62

Pin	No.	Power Off	Standby	Line 1	Line 2	CONF	Line 1 Hold	Line 2 Hold	CONF Hold	Page	Ring	Charge
D11	A	0	0	0	0	0	0	0	0	0	0	0
	C	0	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07
D12	A	1.0	0	0	0	0	0	0	0	0	0	0
	C	0	2.06	2.06	2.06	2.06	2.06	2.06	2.06	2.06	2.06	2.06
D13	A	0	0	0	0	0	0	0	0	0	0	0
	C	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80
D14	A	0	0	0	0	0	0	0	0	0	0	0
	C	0	0	3.57	3.57	3.57	3.57	3.57	3.57	3.57	3.57	3.57
D15	A	0	0	0	0	0	0	0	0	0	0	0
	C	0	0	3.57	3.57	3.57	3.57	3.57	3.57	3.57	3.57	3.57
D101	A1	0	0	1.93	0	1.93	1.93	0	1.93	0	1.30/0	0
	A2	0	0	0.64	0	0.64	0.64	0	0.64	0	0.64/0	0
	C	0	0	0	0	0	0	0	0	0	0	0
D104	A	0	0	0	0	0	0	0	0	0	0	0
	C	3.65	3.65	3.65	3.65	3.65	3.65	3.65	3.65	3.65	3.65	3.65
D105	A	0	3.80	3.80	2.29	2.29	3.80	2.29	2.29	3.80	2.29	3.80
	C	3.78	3.78	3.78	0.34	0.34	3.78	0.34	0.34	3.78	0.34	3.78
D107	A	2.15	2.81	0	0	0	0	0	0	2.81	2.81	2.81
	C	2.0/1.3	3.0	1.89	1.89	1.89	1.89	1.89	1.89	3.0	3.0	3.0
D110	A	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.8/2.7	3.80
	C	4.13	4.13	3.85	3.85	3.85	3.85	3.85	3.85	3.85	3.85	4.13

Pin	No.	Power Off	Standby	Line 1	Line 2	CONF	Line 1 Hold	Line 2 Hold	CONF Hold	Page	Ring	Charge
IC11	1	0	2.1/0.8	3.27	3.27	3.27	3.27	3.27	3.27	3.27	3.27	2.1/0.8
	2	0.5	3.5/2.8	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62	3.5/2.8
	3	0	1.9/0.7	3.06	3.06	3.06	3.06	3.06	3.06	3.06	3.06	1.9/0.7
	4	0	1.9/0.7	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	1.9/0.7
	5	0.05	1.9/0.7	2.96	2.96	2.96	2.96	2.96	2.96	2.96	2.96	1.9/0.7
	6	0.05	1.9/0.7	2.96	2.96	2.96	2.96	2.96	2.96	2.96	2.96	1.9/0.7
	7	0.05	1.9/0.7	2.96	2.96	2.96	2.96	2.96	2.96	2.96	2.96	1.9/0.7
	8	0	1.9/0.7	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	1.9/0.7
	9	0.05	0.8	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27	0.8
	10	0	0.4/0.17	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.4/0.17
	11	0.05	1.2/0.5	2.15	2.15	2.15	2.15	2.15	2.15	2.15	2.15	1.2/0.5
	12	0	0	0	0	0	0	0	0	0	0	0
	13	0.05	1.5/0	3.19	3.19	3.19	3.19	3.19	3.19	3.19	3.19	1.5/0
	14	0.70	2.2/0.8	0	0	0	0	0	0	0	0	2.2/0.8
	15	0	0	0	0	0	0	0	0	0	0	0
	16	0.04	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.3/0.5

Pin	No.	Power Off	Standby	Line 1	Line 2	CONF	Line 1 Hold	Line 2 Hold	CONF Hold	Page	Ring	Charge
IC101	1	0	0	0	0	0	0	0	0	0	0	0
	2	0	0	0	0	0	0	0	0	0	0	0
	3	0	0	0	0	0	0	0	0	0	0	0
	4	0	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79
	5	0	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79
	6	0	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79
	7	0	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79
	8	0	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79
	9	0	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79
	10	0	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79
	11	0	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79
	12	3.80	3.80	0	0	0	0	0	0	3.80/0	0	3.8
	13	3.80	3.8/2.2	0	0	0	0	0	0	0	0	3.8/2.2
	14	0	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79
	15	0	2.4/1.5	0	0	0	0	0	0	2.80	2.80	2.4/1.5
	16	0	0	0	0	0	0	0	0	0	0	0
	17	0	0	0	0	0	0	0	0	0	0	0
	18	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79	1.83	3.8/3.0	3.79
	19	3.79	3.79	0	3.79	0	0	3.79	3.79	3.79	3.8/1.8	3.79
	20	3.79	3.79	3.79	0.34	0.34	3.79	0.34	0.34	3.79	0.34	3.79
	21	0	0	0	0	0	0	0	0	0	0	0
	22	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67
	23	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67
	24	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67
	25	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67
	26	0	0	0	0	0	0	0	0	0	0	0
	27	2.12	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80
	28	3.80	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
	29	3.50	3.50	3.50	3.50	3.50	3.50	3.50	3.50	3.50	3.50	3.50
	30	0.20	2.96	2.96	2.96	2.96	2.96	2.96	2.96	2.96	2.96	2.96
	31	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60
	32	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	0
	33	0.15	1.3/0.5	3.63	3.63	3.63	3.63	3.63	3.63	2.40	3.6/2.4	1.3/0.5
	34	4.10	4.10	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	4.10
	35	0	0	0	0	0	0	0	0	0	0	0
	36	0	1.9/1.2	3.63	3.63	3.63	3.63	3.63	3.63	3.63	3.6/1.6	1.9/1.2
	37	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80
	38	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80
	39	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80
	40	0	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79
	41	0	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
	42	0	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79
	43	0	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79
	44	0	0	0	0	0	0	0	0	0	0	0
IC102	1	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70
	2	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79
	3	0	0	0	0	0	0	0	0	0	0	0

Pin	No.	Power Off	Standby	Line 1	Line 2	CONF	Line 1 Hold	Line 2 Hold	CONF Hold	Page	Ring	Charge
IC103	1	0	2.4/1.5	0	0	0	0	0	0	2.8	0	2.4/1.5
	2	0	0	3.63	3.63	3.63	3.63	3.63	3.63	0	0	0
	3	0.18	1.2/0.5	2.15	2.15	2.15	2.15	2.15	2.15	2.15	2.15	1.2/0.5
	4	0.18	1.2/0.5	0	0	0	0	0	0	1.2/0.5	1.45/0	1.2/0.5
	5	0.18	1.2/0.5	0	0	0	0	0	0	1.2/0.5	1.45/0	1.2/0.5
	6	0.22	1.2/0.5	3.63	3.63	3.63	3.63	3.63	3.63	1.2/0.5	3.6/2.2	1.2/0.5
	7	0	0	0	0	0	0	0	0	0	0	0
	8	0.22	0.3/0	1.90	1.90	1.90	1.90	1.90	1.90	0	0	0.3/0
	9	0.29	2.2/1.3	1.80	1.80	1.80	1.80	1.80	1.80	2.60	3.05	2.2/1.3
	10	0.51	1.7/0.2	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.2/0.5
	11	0.10	1.2/0.5	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.2/0.5
	12	0	0.3/0	0	0	0	0	0	0	0	0	0
	13	0	0	0	0	0	0	0	0	0	0	0
	14	0	2.3/0.8	3.63	3.63	3.63	3.63	3.63	3.63	3.63	3.63	2.3/0.8
IC104	1	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80
	2	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80
	3	0	0	0	0	0	0	0	0	0	0	0

BASE

Pin	No.	Standby	Line 1	Line 2	CONF	Line 1 Hold	Line 2 Hold	CONF Hold	Page	Ring	Charge
Q201	E	0	0	0	0	0	0	0	0	0	0
	C	2.81	2.81	2.81	2.81	2.81	2.81	2.81	2.81	2.81	2.81
	B	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78
Q202	E	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18
	C	4.93	4.93	4.93	4.93	4.93	4.93	4.93	4.93	4.93	4.93
	B	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83
Q203	E	4.93	4.93	4.93	4.93	4.93	4.93	4.93	4.93	4.93	4.93
	C	0	4.86	4.86	4.86	4.86	4.86	4.86	4.86	4.86	0
	B	4.91	4.21	4.21	4.21	4.21	4.21	4.21	4.21	4.21	4.91
Q204	E	0	0	0	0	0	0	0	0	0	0
	C	3.98	3.98	3.98	3.98	3.98	3.98	3.98	3.98	3.98	3.98
	B	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72
Q205	E	0	0	0	0	0	0	0	0	0	0
	C	0	4.78	4.78	4.78	4.78	4.78	4.78	4.78	4.78	0
	B	0.68	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.68
Q206	E	0	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0
	C	0	4.01	4.01	4.01	4.01	4.01	4.01	4.01	4.01	0
	B	0.64	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	0.64
Q207	E	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94
	C	7.54	7.54	7.54	7.54	7.54	7.54	7.54	7.54	7.54	7.54
	B	5.60	5.60	5.60	5.60	5.60	5.60	5.60	5.60	5.60	5.60
Q220	E	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49
	C	4.78	4.78	4.78	4.78	4.78	4.78	4.78	4.78	4.78	4.78
	B	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.14
Q221	E	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
	C	4.96	4.96	4.96	4.96	4.96	4.96	4.96	4.96	4.96	4.96
	B	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10

Pin	No.	Standby	Line 1	Line 2	CONF	Line 1 Hold	Line 2 Hold	CONF Hold	Page	Ring	Charge
Q222	E	4.63	4.63	4.63	4.63	4.63	4.63	4.63	4.63	4.63	4.63
	C	7.51	7.51	7.51	7.51	7.51	7.51	7.51	7.51	7.51	7.51
	B	5.36	5.36	5.36	5.36	5.36	5.36	5.36	5.36	5.36	5.36
Q401	E	4.93	4.93	4.93	4.93	4.93	4.93	4.93	4.93	4.93	4.93
	C	4.76	4.76	4.76	4.76	4.76	4.76	4.76	4.76	4.76	4.76
	B	4.31	4.31	4.31	4.31	4.31	4.31	4.31	4.31	4.31	4.31
Q404	E	0	0	0	0	0	0	0	0	0	0
	C	0	0	0	0	0	0	0	0	0	0
	B	0	0.67	0	0.67	0.67	0	0.67	0	0	0
Q405	E	0	0	0	0	0	0	0	0	0	0
	C	0	0	0	0	0	0	0	0	0	0
	B	0	0	0.67	0.67	0	0.67	0.67	0	0	0
Q406	E	0	0	0	0	0	0	0	0	0	0
	C	7.89	7.89	7.89	0.15	7.89	7.89	0.15	0.15	7.89	7.89
	B	0	0	0	0.73	0	0	0.73	0	0	0
Q407	E	0	0	0	0	0	0	0	0	0	0
	C	7.89	0.08	7.89	0.08	0.08	7.89	0.08	7.89	7.89	7.89
	B	0	0.70	0	0.70	0.70	0	0.70	0	0	0
Q408	E	0	0	0	0	0	0	0	0	0	0
	C	7.89	7.89	0.08	0.08	7.89	0.08	0.08	7.89	7.89	7.89
	B	0	0	0.70	0.70	0	0.70	0.70	0	0	0
Q601	E	0	0	0	0	0	0	0	0	0	0
	C	6.34	0.08	6.34	0.08	6.3/0.1	6.34	6.3/0.1	6.34	6.3/0.1	6.34
	B	0	0.71	0	0.71	0/0.71	0	0/0.71	0	0	0
Q602	E	0	0	0	0	0	0	0	0	0	0
	C	6.34	6.34	0.08	0.08	6.34	6.3/0.1	6.3/0.1	6.34	6.3/0.1	6.34
	B	0	0	0.71	0.71	0	0/0.91	0/0.91	0	0/0.91	0
Q603	E	7.89	7.89	7.89	7.89	7.89	7.89	7.89	7.89	7.89	7.85
	C	0	0	0	0	0	0	0	0	0	7.75
	B	7.89	7.89	7.89	7.89	7.89	7.89	7.89	7.89	7.89	7.14

Pin	No.	Standby	Line 1	Line 2	CONF	Line 1 Hold	Line 2 Hold	CONF Hold	Page	Ring	Charge
D213	A	0	0	0	0	0	0	0	0	0	0
	C	2.71	2.71	2.71	2.71	2.71	2.71	2.71	2.71	2.71	2.71
D215	A	0.43	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.43
	C	0.87	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.87
D218	A	0	2.02	2.02	2.02	0	0	0	0	0	0
	C	0	4.91	4.91	4.91	0	0	0	0	0	0
D219	A	0.38	1.95	1.95	1.95	0.38	0.38	0.38	0.38	0.38	0.38
	C	0	4.90	4.90	4.90	0	0	0	0	0	0
D222	A	0	0	0	0	0	0	0	0	0	0
	C	0	0	0	0	0	0	0	0	0	0
D223	A	0	0	0	0	0	0	0	0	0	0
	C	0	0	0	0	0	0	0	0	0	0
D225	A	0	0	0	0	0	0	0	0	0	0
	C	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72
D226	A	0	0	0	0	0	0	0	0	0	0
	C	0	0	0	0	0	0	0	0	0	0

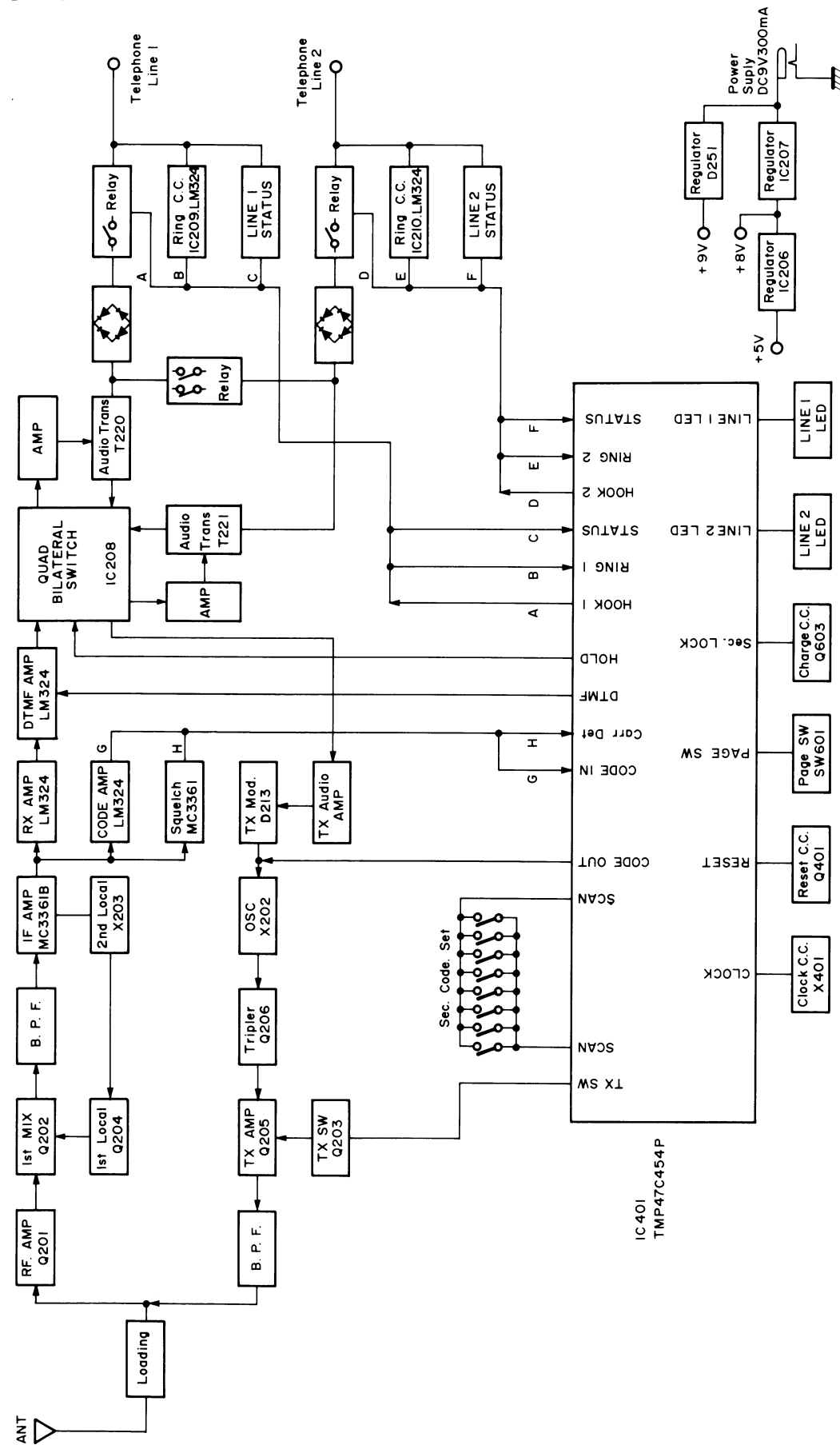
Pin	No.	Standby	Line 1	Line 2	CONF	Line 1 Hold	Line 2 Hold	CONF Hold	Page	Ring	Charge
D227	A	0	0	0	0	0	0	0	0	0	0
	C	0	0	0	0	0	0	0	0	0	0
D229	A	0	0	0	0	0	0	0	0	0	0
	C	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72
D230	A	0	0	0	0	0	0	0	0	0	0
	C	4.93	4.93	4.93	4.93	4.93	4.93	4.93	4.93	4.93	4.93
D232	A	4.93	4.93	4.93	4.93	4.93	4.93	4.93	4.93	4.93	4.93
	C	7.89	7.89	7.89	7.89	7.89	7.89	7.89	7.89	7.89	7.89
D233	A	0	0	0	0	0	0	0	0	0	0
	C	7.89	7.89	7.89	7.89	7.89	7.89	7.89	7.89	7.89	7.89
D234	A	14.25	14.25	14.25	14.25	14.25	14.25	14.25	14.25	14.25	14.25
	C	13.51	13.51	13.51	13.51	13.51	13.51	13.51	13.51	13.51	13.51
D235	A	7.89	7.89	0.09	0.09	7.89	0.09	0.09	7.89	7.89	7.89
	C	7.89	7.89	7.89	7.89	7.89	7.89	7.89	7.89	7.89	7.89
D236	A	7.89	0.08	7.89	0.08	0.08	7.89	0.08	7.89	7.89	7.89
	C	7.89	7.89	7.89	7.89	7.89	7.89	7.89	7.89	7.89	7.89
D237	A	7.89	7.89	7.89	0.15	7.89	7.89	0.15	7.89	7.89	7.89
	C	7.89	7.89	7.89	7.89	7.89	7.89	7.89	7.89	7.89	7.89
D251	A	0	0	0	0	0	0	0	0	0	0
	C	8.96	8.96	8.96	8.96	8.96	8.96	8.96	8.96	8.96	8.96
D260	A	-	-	-	-	-	-	-	-	-	-
	C	-	-	-	-	-	-	-	-	-	-
D261	A	-	-	-	-	-	-	-	-	-	-
	C	-	-	-	-	-	-	-	-	-	-
D262	A	-	-	-	-	-	-	-	-	-	-
	C	-	-	-	-	-	-	-	-	-	-
D263	A	-	-	-	-	-	-	-	-	-	-
	C	-	-	-	-	-	-	-	-	-	-
D264	A	-	-	-	-	-	-	-	-	-	-
	C	-	-	-	-	-	-	-	-	-	-
D265	A	-	-	-	-	-	-	-	-	-	-
	C	-	-	-	-	-	-	-	-	-	-
D266	A	-	-	-	-	-	-	-	-	-	-
	C	-	-	-	-	-	-	-	-	-	-
D267	A	-	-	-	-	-	-	-	-	-	-
	C	-	-	-	-	-	-	-	-	-	-
D268	A	-	-	-	-	-	-	-	-	-	-
	C	-	-	-	-	-	-	-	-	-	-
D269	A	-	-	-	-	-	-	-	-	-	-
	C	-	-	-	-	-	-	-	-	-	-
D270	A	-	-	-	-	-	-	-	-	-	-
	C	-	-	-	-	-	-	-	-	-	-
D271	A	-	-	-	-	-	-	-	-	-	-
	C	-	-	-	-	-	-	-	-	-	-
D272	A	-	-	-	-	-	-	-	-	-	-
	C	-	-	-	-	-	-	-	-	-	-
D273	A	-	-	-	-	-	-	-	-	-	-
	C	-	-	-	-	-	-	-	-	-	-
D274	A	-	-	-	-	-	-	-	-	-	-
	C	-	-	-	-	-	-	-	-	-	-

Pin	No.	Standby	Line 1	Line 2	CONF	Line 1 Hold	Line 2 Hold	CONF Hold	Page	Ring	Charge
D401	A	0	0	0	0	0	0	0	0	0	0
	C	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55
D402	A	0	0	0	0	0	0	0	0	0	0
	C	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
D403	A	3.72	0	0	0	0	0	0	3.72	0	3.72
	C	3.16	0.42	0.42	0.42	0.42	0.42	0.42	3.16	0.42	3.16
D404	A	3.53	3.53	3.53	3.53	3.53	3.53	3.53	3.53	0	3.53
	C	2.96	2.96	2.96	2.96	2.96	2.96	2.96	2.96	0.60	2.96
D405	A	3.56	3.56	3.56	3.56	3.56	3.56	3.56	3.56	3.56	3.56
	C	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
D406	A	0	0	0	0	0	0	0	0	0	0
	C	4.91	4.91	4.91	4.91	4.91	4.91	4.91	4.91	4.91	4.91
D408	A	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
	C	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90
D409	A	3.16	0.41	0.41	0.41	0.41	0.41	0.41	3.16	0.41	3.16
	C	3.09	0	0	0	0	0	0	3.09	0	3.09
D601	A	7.89	7.89	7.89	7.89	7.89	7.89	7.89	7.89	7.89	7.89
	C	5.96	5.96	5.96	5.96	5.96	5.96	5.96	5.96	5.96	5.96
D602	A	0	0	0	0	0	0	0	0	0	1.92
	C	0	0	0	0	0	0	0	0	0	0
D603	A	7.89	7.89	7.89	7.89	7.89	7.89	7.89	7.89	7.89	7.89
	C	6.37	5.89	6.37	5.89	6.4/5.9	6.37	6.4/5.9	6.37	6.4/5.9	6.37
D604	A	7.89	7.89	7.89	7.89	7.89	7.89	7.89	7.89	7.89	7.89
	C	6.37	6.37	5.87	5.87	6.37	6.4/5.9	6.4/5.9	6.37	6.4/5.9	6.37
D605	A	7.89	7.89	7.89	7.89	7.89	7.89	7.89	7.89	7.89	5.50
	C	7.62	7.62	7.62	7.62	7.62	7.62	7.62	7.62	7.62	4.77

Pin	No.	Standby	Line 1	Line 2	CONF	Line 1 Hold	Line 2 Hold	CONF Hold	Page	Ring	Charge
IC201	1	4.52	4.52	4.52	4.52	4.52	4.52	4.52	4.52	4.52	4.52
	2	3.82	3.82	3.82	3.82	3.82	3.82	3.82	3.82	3.82	3.82
	3	4.13	4.13	4.13	4.13	4.13	4.13	4.13	4.13	4.13	4.13
	4	4.44	4.44	4.44	4.44	4.44	4.44	4.44	4.44	4.44	4.44
	5	4.18	4.18	4.18	4.18	4.18	4.18	4.18	4.18	4.18	4.18
	6	4.18	4.18	4.18	4.18	4.18	4.18	4.18	4.18	4.18	4.18
	7	4.18	4.18	4.18	4.18	4.18	4.18	4.18	4.18	4.18	4.18
	8	4.57	4.57	4.57	4.57	4.57	4.57	4.57	4.57	4.57	4.57
	9	1.68	1.68	1.68	1.68	1.68	1.68	1.68	1.68	1.68	1.68
	10	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
	11	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94
	12	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42
	13	3.85	0	0	0	0	0	0	3.85	0	3.85
	14	0	0	0	0	0	0	0	0	0	0
	15	0	0	0	0	0	0	0	0	0	0
	16	1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.76

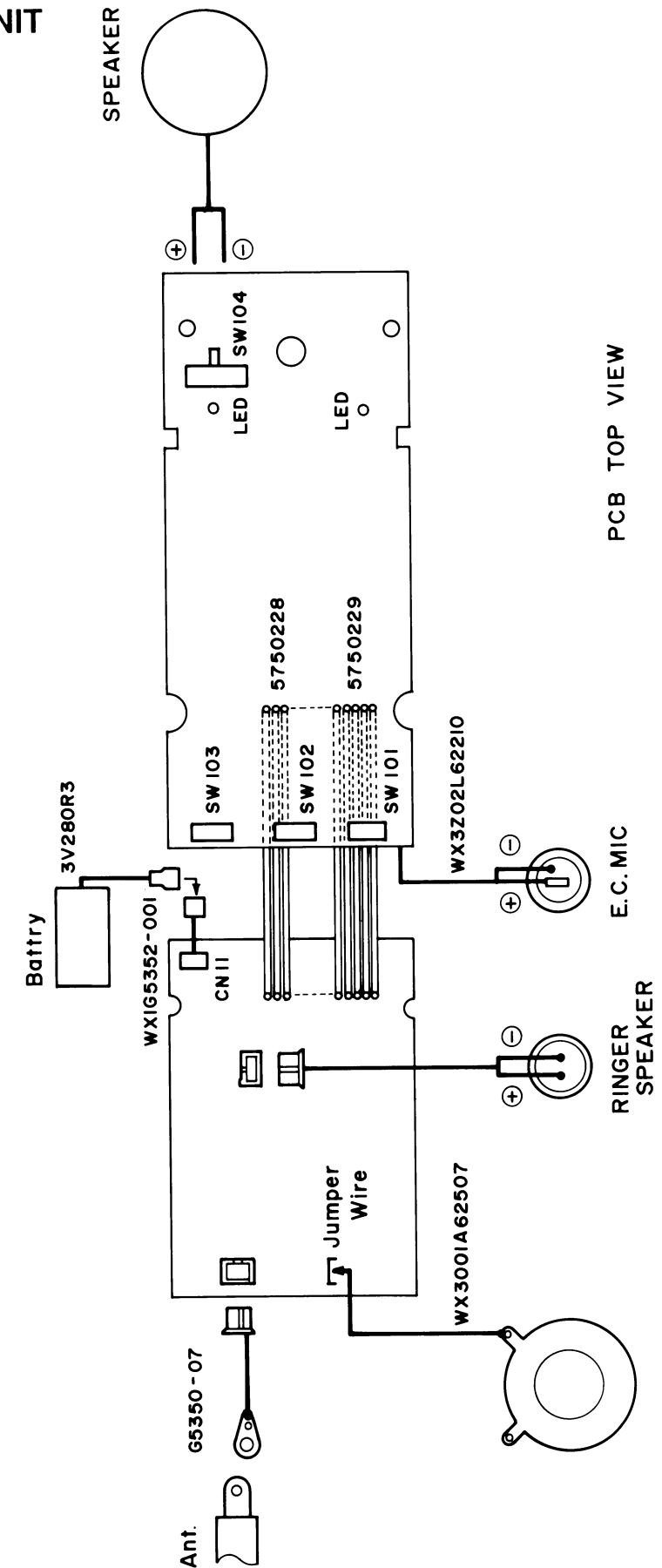
Pin	No.	Standby	Line 1	Line 2	CONF	Line 1 Hold	Line 2 Hold	CONF Hold	Page	Ring	Charge
IC202	1	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94
	2	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94
	3	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94
	4	4.93	4.93	4.93	4.93	4.93	4.93	4.93	4.93	4.93	4.93
	5	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
	6	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63
	7	1.86	0	0	0	0	0	0	1.86	0	1.86
	8	3.63	2.01	2.01	2.01	3.63	3.63	3.63	3.63	3.63	3.63
	9	0.38	2.02	2.02	2.02	0.38	0.38	0.38	0.38	0.38	0.38
	10	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01
	11	0	0	0	0	0	0	0	0	0	0
	12	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94
	13	0.39	1.94	1.94	1.94	0.39	0.39	0.39	0.39	0.39	0.39
	14	3.63	1.94	1.94	1.94	3.63	3.63	3.63	3.63	3.63	3.63
IC203	1	6.49	6.49	6.49	6.49	6.49	6.49	6.49	6.49	6.49	6.49
	2	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
	3	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
	4	7.89	7.89	7.89	7.89	7.89	7.89	7.89	7.89	7.89	7.89
	5	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
	6	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
	7	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
	8	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
	9	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
	10	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
	11	0	0	0	0	0	0	0	0	0	0
	12	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
	13	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
	14	6.49	6.49	6.49	6.49	6.49	6.49	6.49	6.49	6.49	6.49
IC206	1	4.93	4.93	4.93	4.93	4.93	4.93	4.93	4.93	4.93	4.93
	2	0	0	0	0	0	0	0	0	0	0
	3	7.89	7.89	7.89	7.89	7.89	7.89	7.89	7.89	7.89	7.89
IC207	1	7.89	7.89	7.89	7.89	7.89	7.89	7.89	7.89	7.89	7.89
	2	0	0	0	0	0	0	0	0	0	0
	3	13.67	13.67	13.67	13.67	13.67	13.67	13.67	13.67	13.67	13.67
IC208	1	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35
	2	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35
	3	-	-	-	-	-	-	-	-	-	-
	4	-	-	-	-	-	-	-	-	-	-
	5	-	4.91	-	4.91	-	-	-	-	-	-
	6	0	0	4.90	4.90	-	-	-	-	-	-
	7	0	0	0	0	-	-	-	-	-	-
	8	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-
	11	-	-	-	-	-	-	-	-	-	-
	12	0	0	4.90	4.90	0	0	0	0	0	0
	13	0	4.91	0	4.91	0	0	0	0	0	0
	14	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94

BASE UNIT

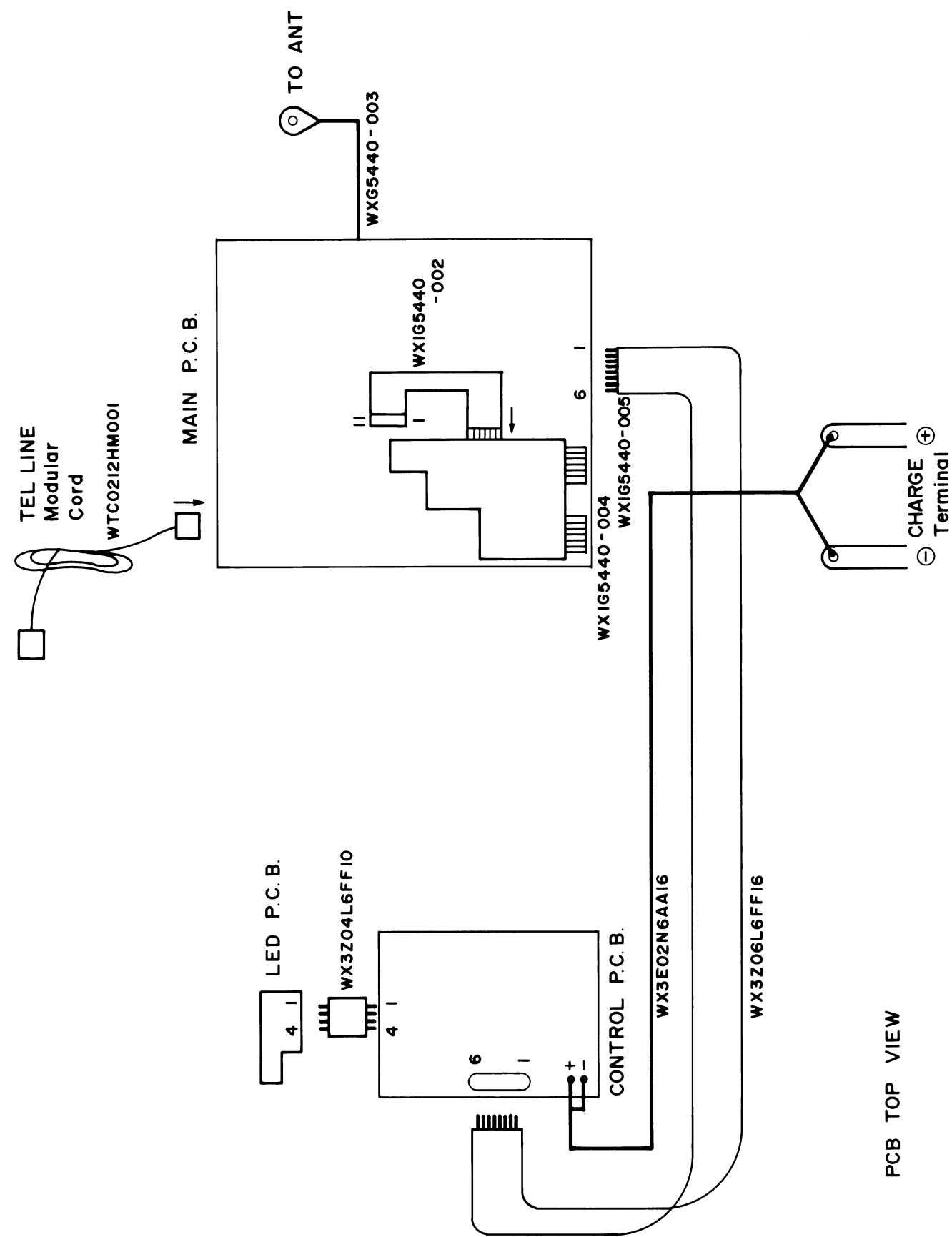


WIRING DIAGRAMS

REMOTE UNIT



BASE UNIT



PCB TOP VIEW

ELECTRICAL PARTS LIST

PRODUCT SAFETY NOTE: Products marked with a have special characteristics important to safety. Before replacing any of these components, read carefully the product safety notice of this service manual. Don't degrade the safety of the product through improper servicing.

NOTE: Parts that not assigned part numbers (-----) are not available.

Tolerance of Capacitors and Resistors are noted with the following symbols.

C.....±0.25%	J.....±5%	Z.....+80/-20%
D.....±0.5%	K.....±10%	X.....+40/-20%
F.....±1%	M.....±20%	P.....+100%
G.....±2%	N.....±30%	

REMOTE UNIT

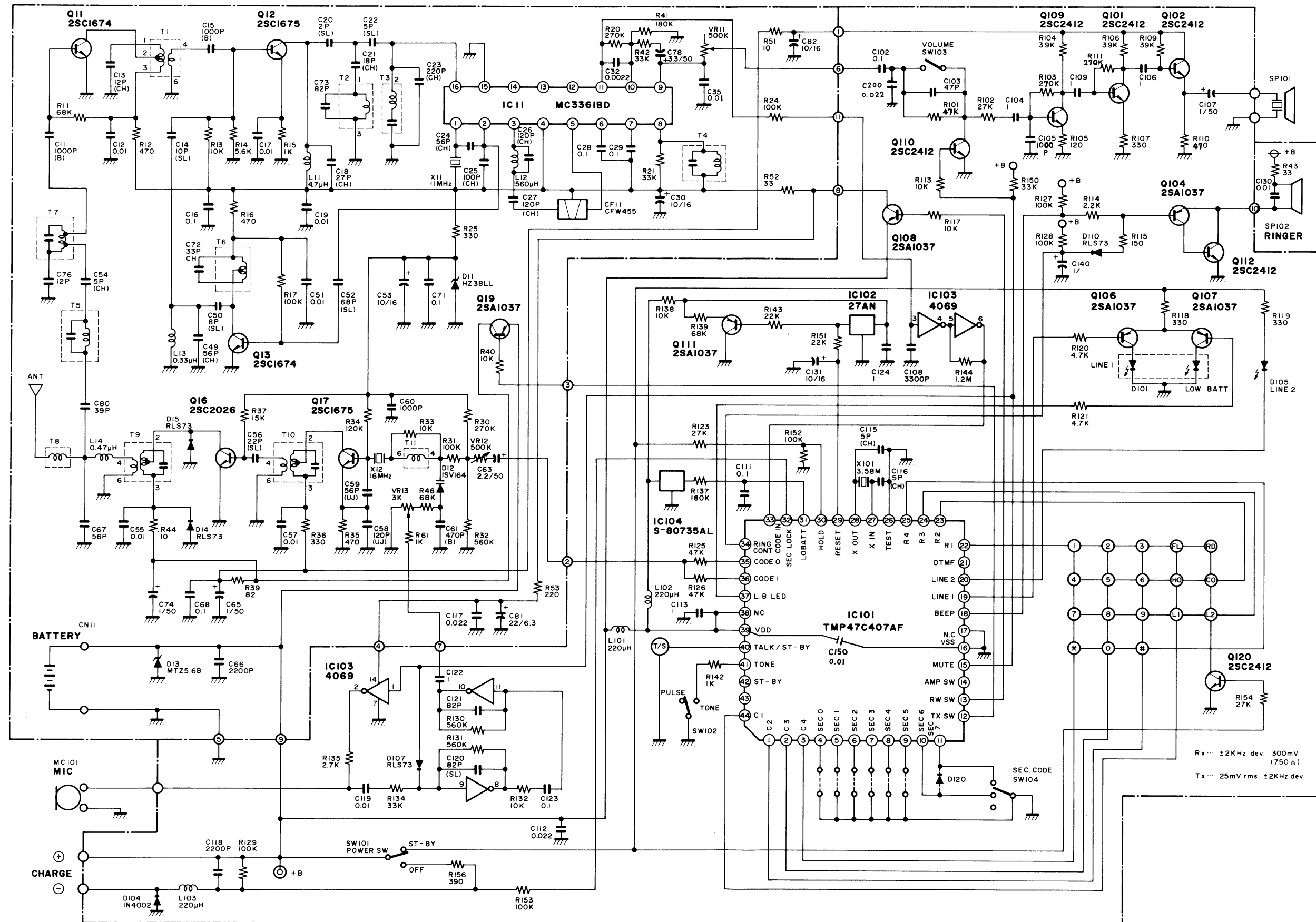
Ref. No.	Description	Part No.
	Remote Unit	
	Consists of the following:	
	Remote Key PCB	BG5440FB2001
	Remote Tuner PCB	BG5480FB1002

Ref. No.	Description	Part No.
	Remote Key PCB	-----
Capacitors		
C102	Chip CAP. F-(Z) 0.1uF	72F2104
C103	Chip CAP. SL-(J) 47PF	1270470
C106	Chip CAP. F-(Z) 1uF	1220828
C107	Electrolytic CAP. 1uF/50V	526W105
C108	Chip CAP. B-(K) 0.0033uF	12B2332
C111	Chip CAP. F-(Z) 0.1uF	12F2104
C112	Chip CAP. B-(K) 0.022uF	12B2223
C113	Chip CAP. F-(Z) 1uF	72F6105
C115	Chip CAP. CH-(J) 5PF	12CH509
C116	Chip CAP. CH-(J) 5PF	12CH509
C118	Chip CAP. B-(K) 0.0022uF	12B2222
C119	Chip CAP. B-(K) 0.01uF	12B2103
C124	Chip CAP. F-(Z) 1uF	1220828
C131	Electrolytic CAP. 10uF/16V	526T106
C140	Electrolytic CAP. 1uF/50V	526W105
C200	Chip CAP. F-(Z) 0.022uF	12F2223
Semiconductors		
D104	Diode	1N4002
D105	Diode	GL3KG18
D107	Diode	RLS-73
D110	Diode	RLS-73
D120	Diode	RLS-73
IC101	IC TMP47C407AF-N505	QSZEA0STS001
IC102	IC	S-80727AN
IC103	IC	BU4069UBF or
	IC	UPD4069UBC or
	IC	TA4069BF
IC104	IC	S-80735AL
Q101	Transistor	2SC2412
Q102	Transistor	2SC2412
Q104	Transistor	2SA1037K
Q106	Transistor	2SA1037K
Q107	Transistor	2SA1037K

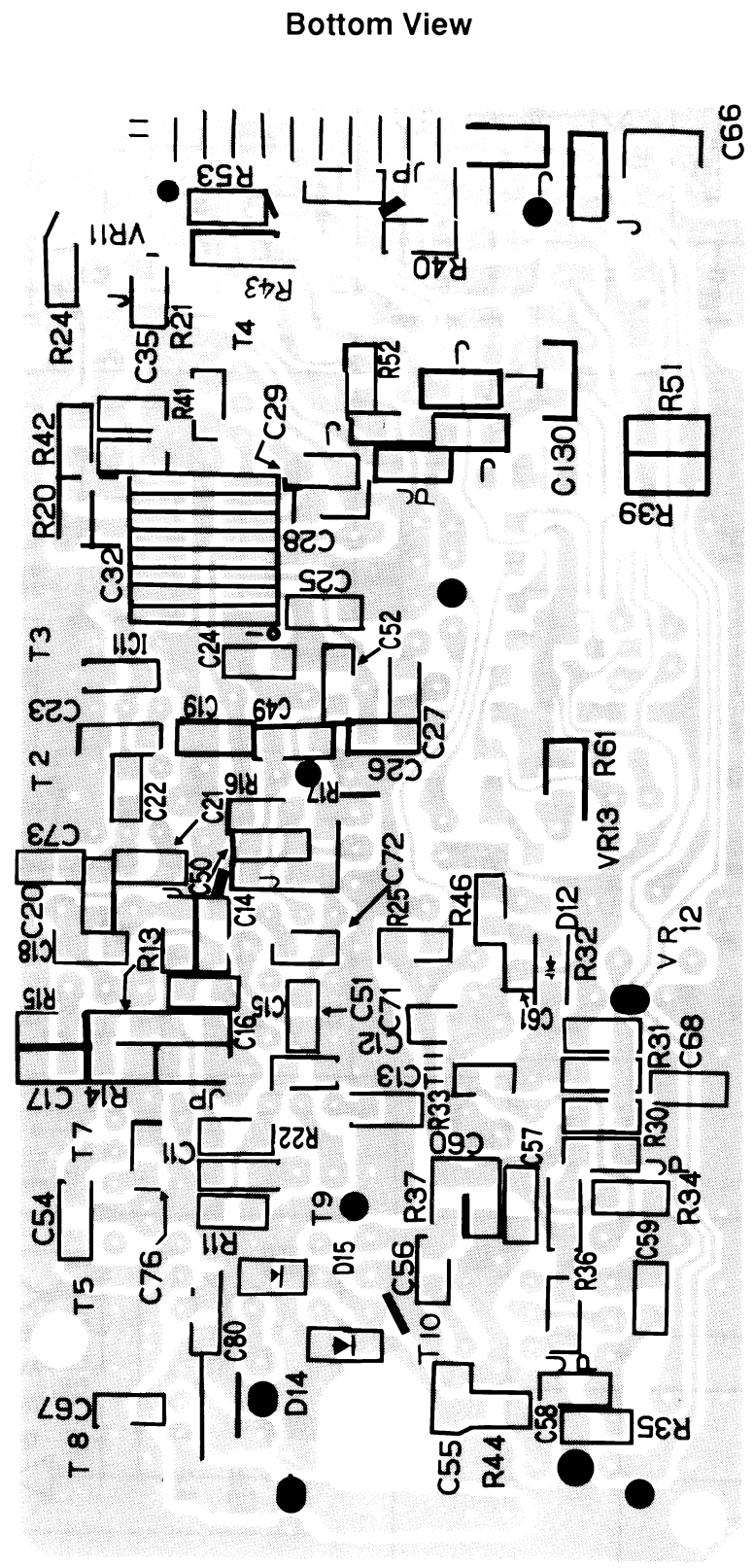
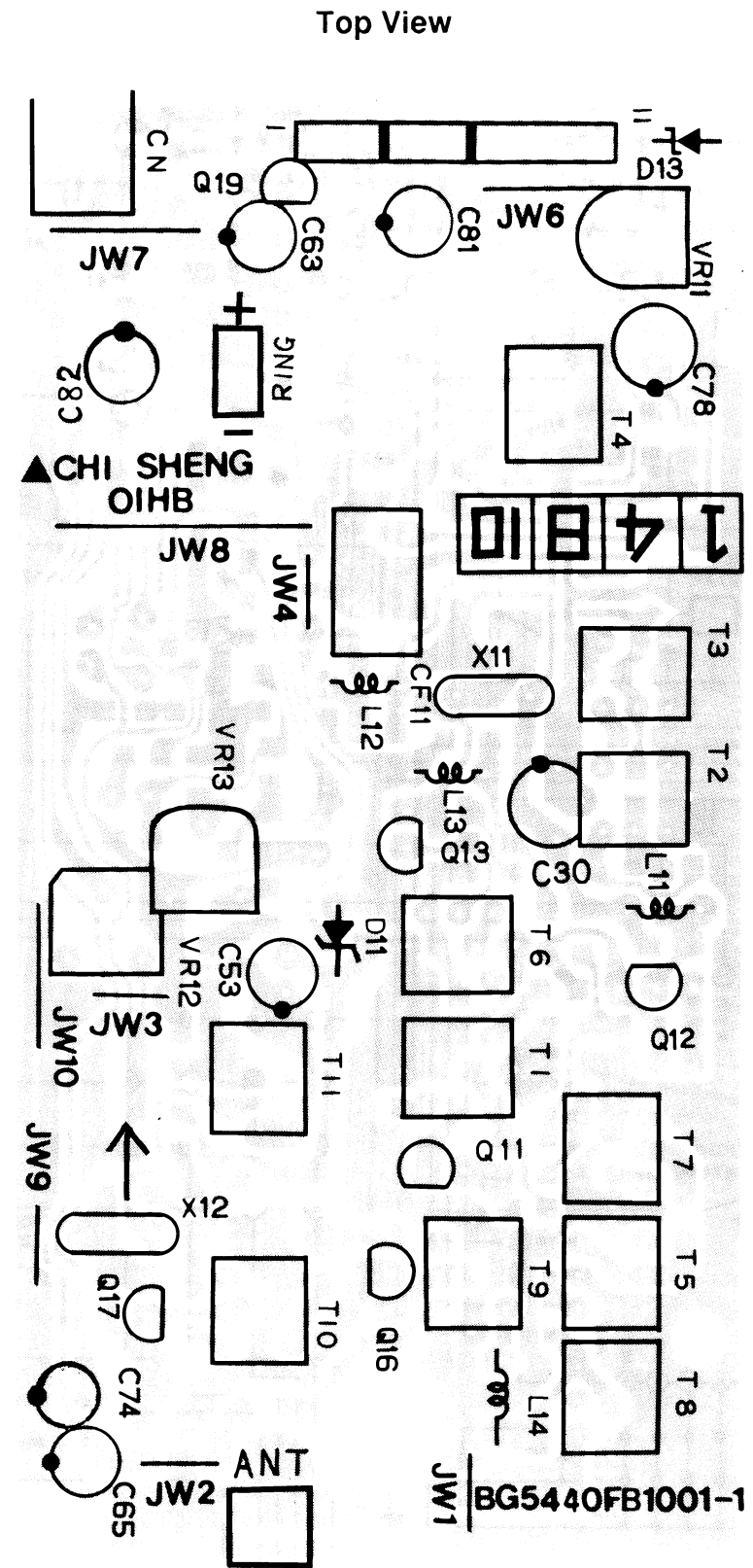
Ref. No.	Description	Part No.
Q110	Transistor	2SC2412
Q111	Transistor	2SA1037K
Q112	Transistor	2SC2412
Q120	Transistor	2SC2412
Resistors		
R101	Chip Fixed RES. 1/10W J 47K ohm	134F473
R104	Chip Fixed RES. 1/10W J 3.9K ohm	134F392
R105	Chip Fixed RES. 1/10W J 120 ohm	134F121
R106	Chip Fixed RES. 1/10W J 3.9K ohm	134F392
R107	Chip Fixed RES. 1/10W J 330 ohm	134F331
R109	Chip Fixed RES. 1/10W J 39K ohm	134F393
R110	Chip Fixed RES. 1/10W J 470 ohm	134F471
R111	Chip Fixed RES. 1/10W J 270K ohm	134F274
R118	Chip Fixed RES. 1/8W J 330 ohm	134H331
R119	Chip Fixed RES. 1/10W J 330 ohm	134F331
R120	Chip Fixed RES. 1/8W J 4.7K ohm	134H472
R121	Chip Fixed RES. 1/10W J 4.7K ohm	134F472
R123	Chip Fixed RES. 1/10W J 27K ohm	134F273
R125	Chip Fixed RES. 1/8W J 47K ohm	134H473
R126	Chip Fixed RES. 1/8W J 47K ohm	134H473
R128	Chip Fixed RES. 1/10W J 100K ohm	134F104
R129	Chip Fixed RES. 1/10W J 100K ohm	134F104
R131	Chip Fixed RES. 1/10W J 560K ohm	134F564
R134	Chip Fixed RES. 1/8W J 33K ohm	134H333
R135	Chip Fixed RES. 1/10W J 2.7K ohm	134F272
R137	Chip Fixed RES. 1/8W J 180K ohm	134H184
R138	Chip Fixed RES. 1/10W J 10K ohm	134F103
R139	Chip Fixed RES. 1/10W J 68K ohm	134F683
R143	Chip Fixed RES. 1/10W J 22K ohm	134F223
R144	Chip Fixed RES. 1/10W J 1.2M ohm	134F125
R150	Chip Fixed RES. 1/10W J 33K ohm	134F333
R151	Chip Fixed RES. 1/8W J 22K ohm	134H223
R152	Chip Fixed RES. 1/10W J 100K ohm	134F104
R153	Chip Fixed RES. 1/10W J 100K ohm	134F104
R154	Chip Fixed RES. 1/8W J 27K ohm	134H273
R156	Chip Fixed RES. 1/10W J 390 ohm	134F391
Miscellaneous		
L101	Chip Inductor 220uH	2177221
L102	Chip Inductor 220uH	2177221
L103	Chip Inductor 220uH	2177221
SW101	Slide SW	1621772

SCHEMATIC DIAGRAMS AND CIRCUIT BOARDS

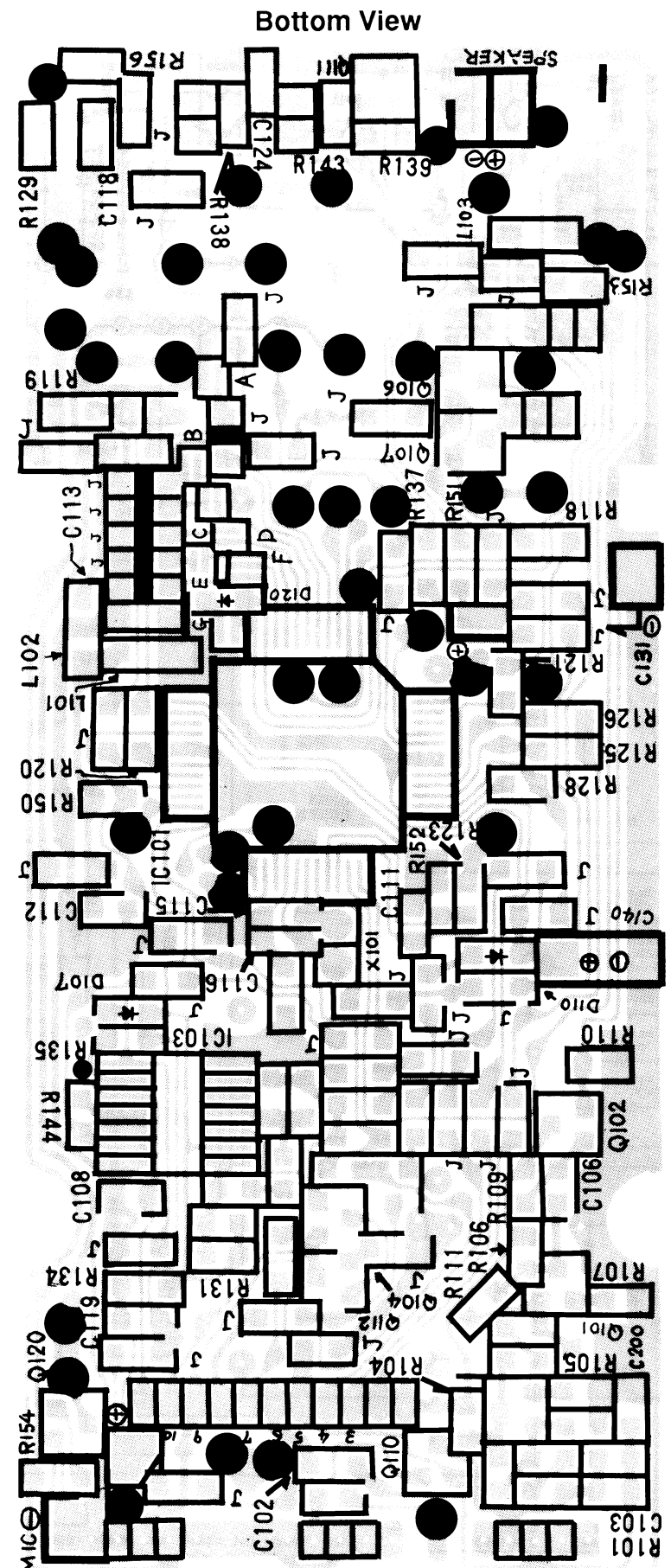
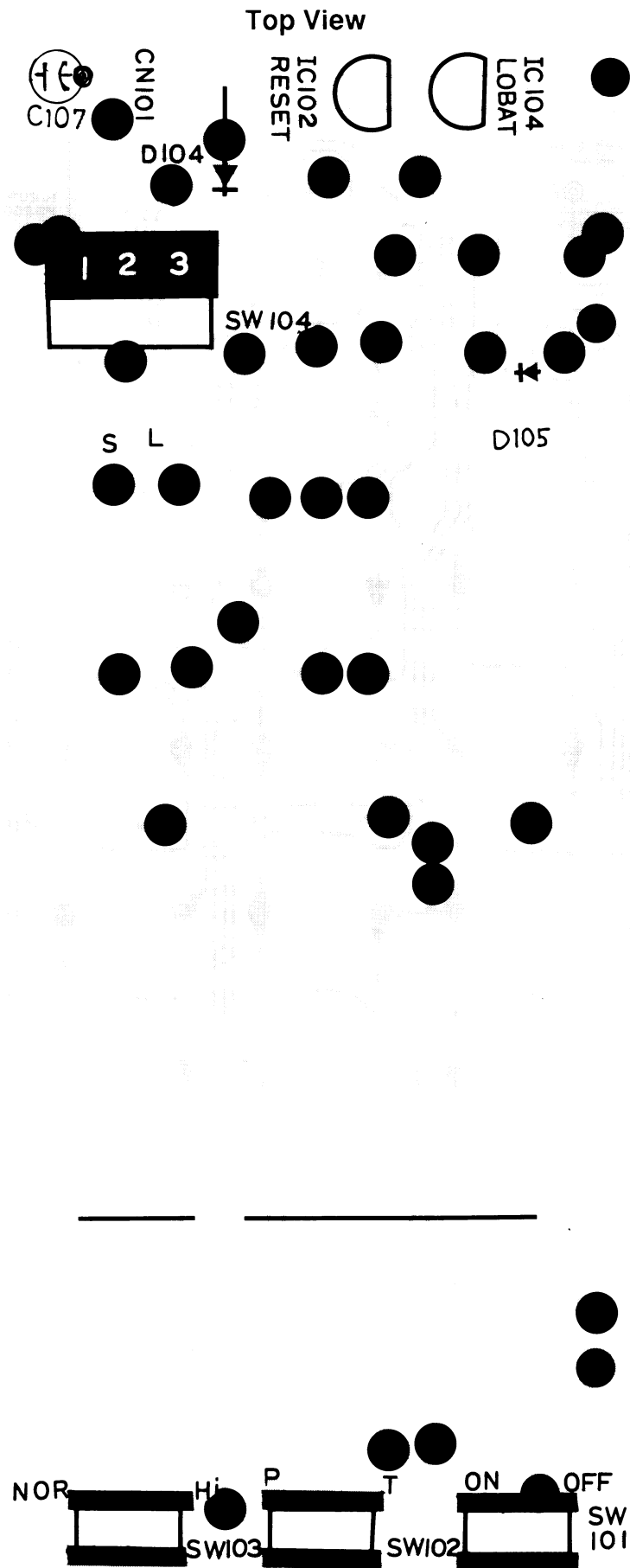
REMOTE UNIT



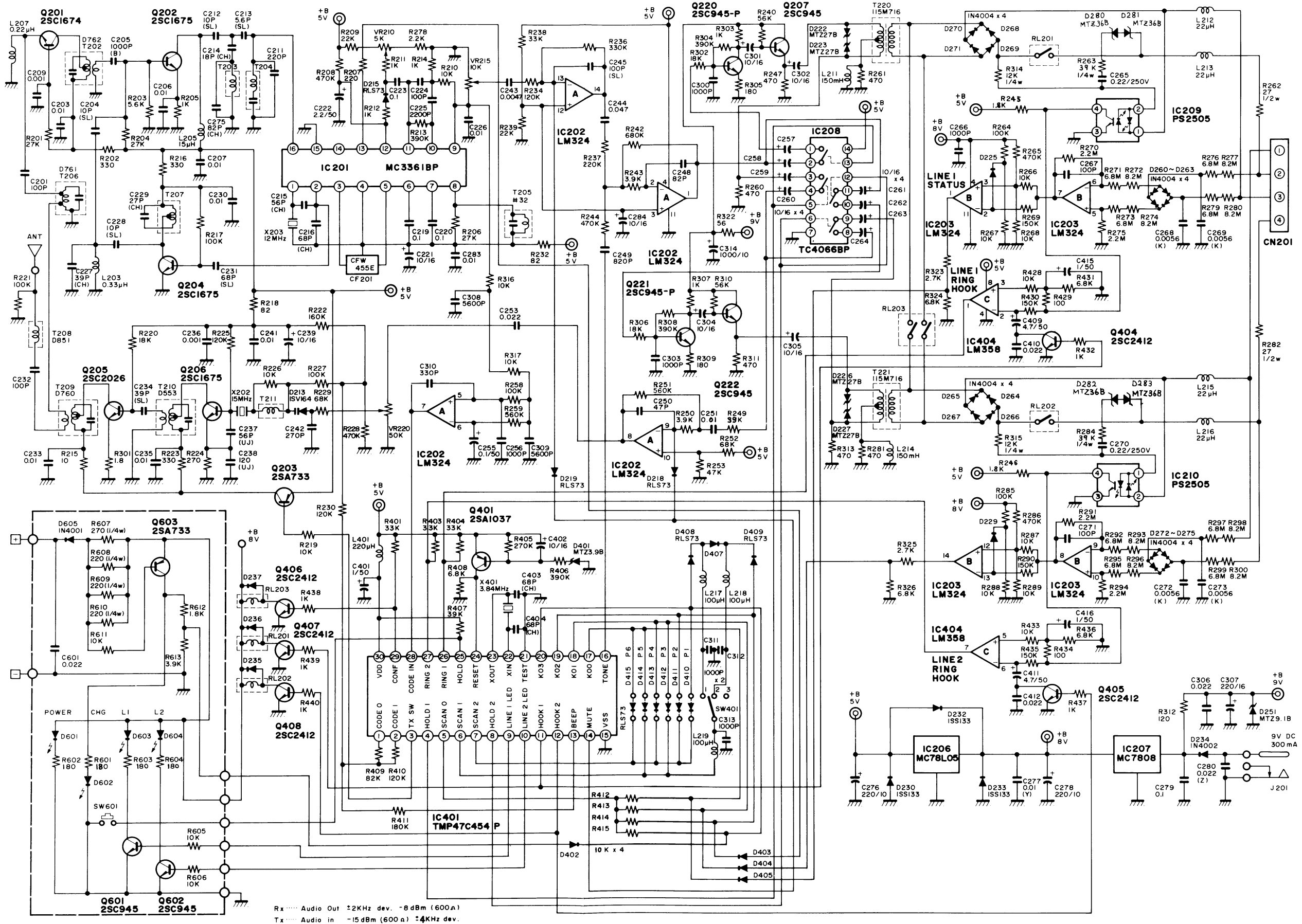
REMOTE TUNER



REMOTE KEY

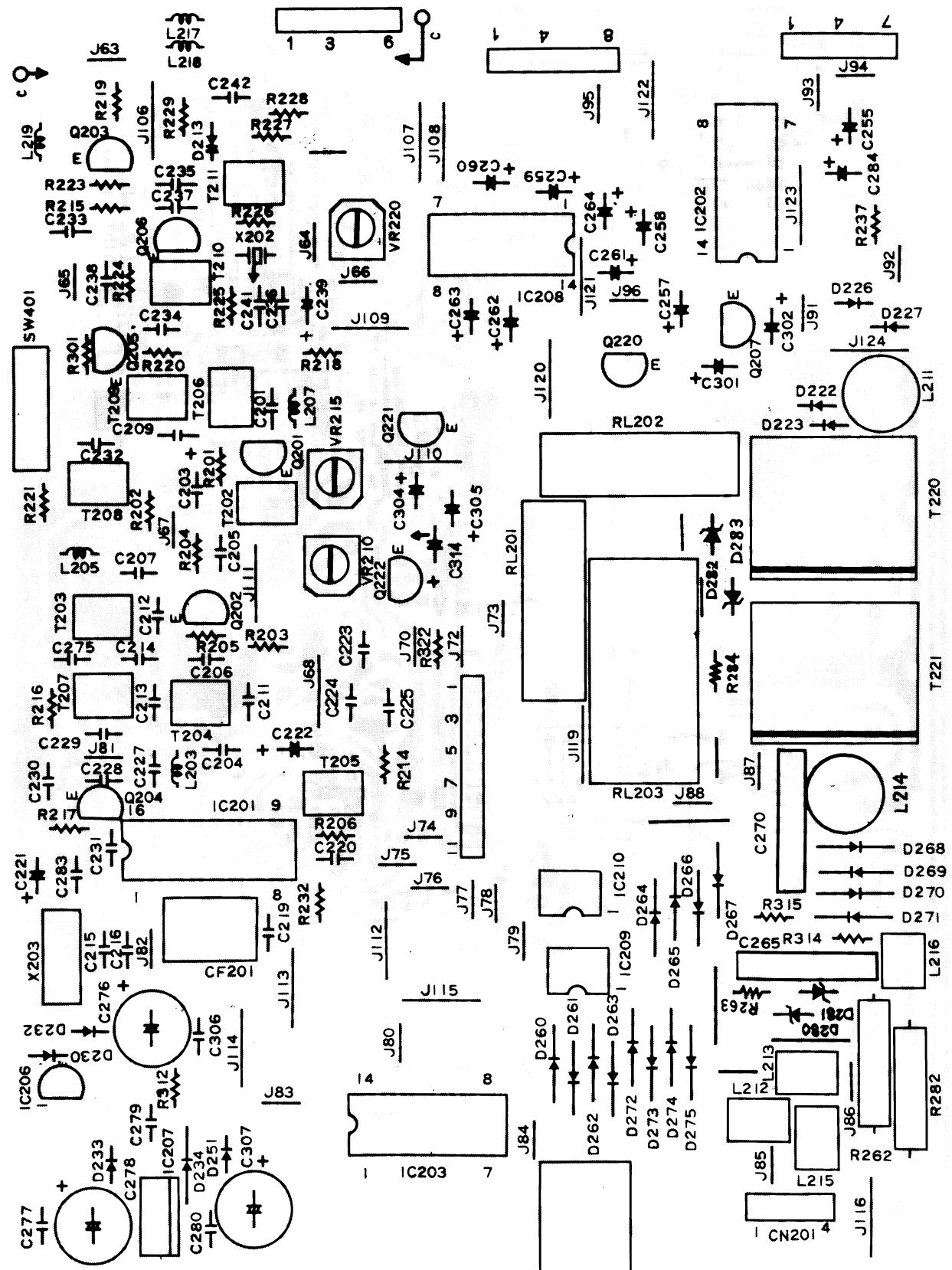


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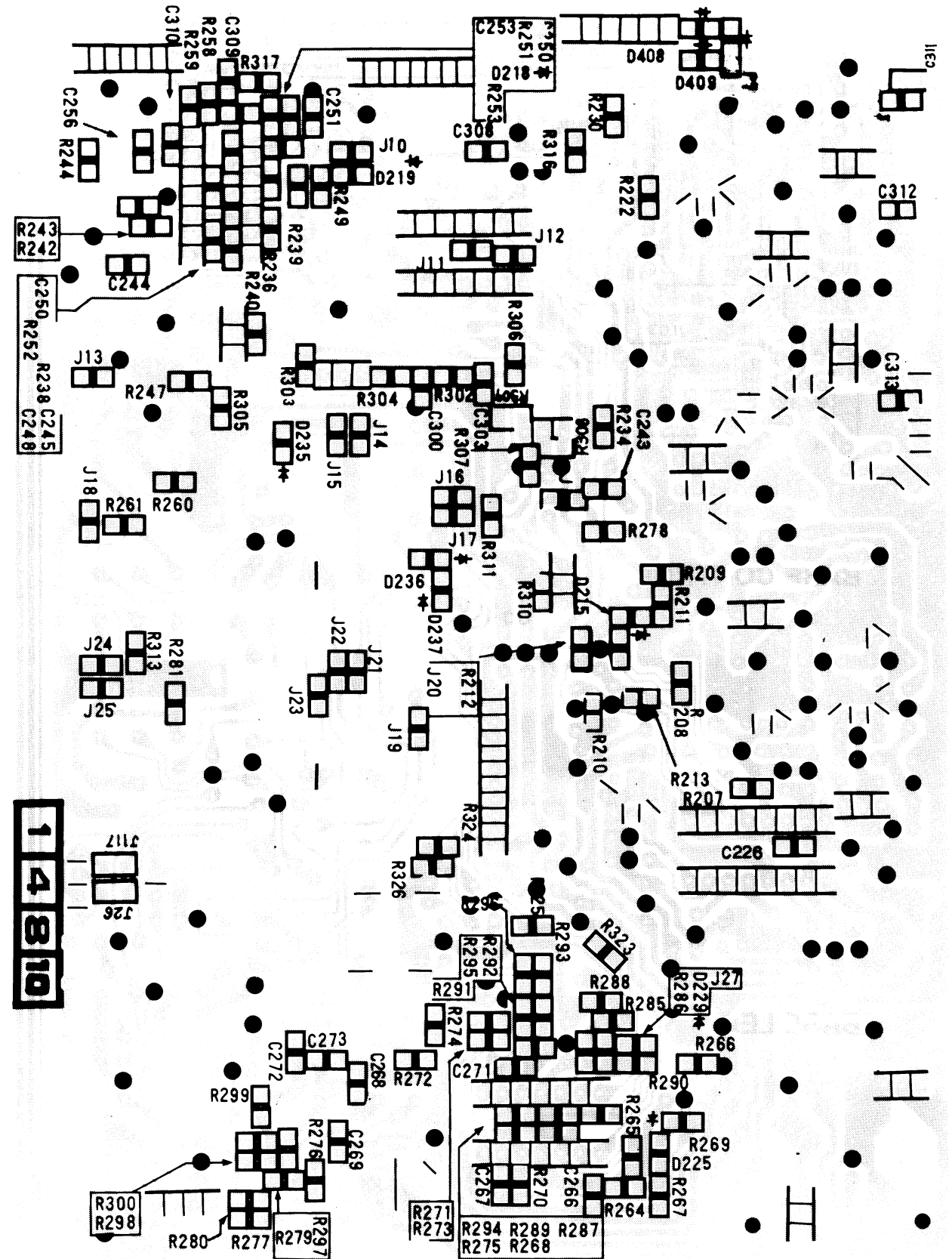


BASE MAIN

Top View

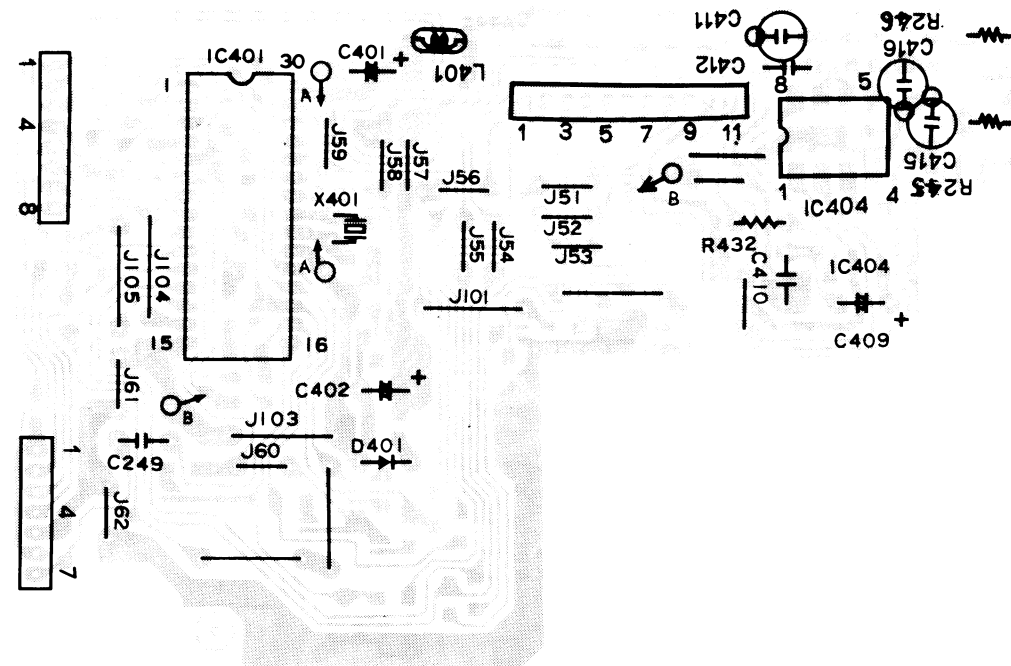


Bottom View

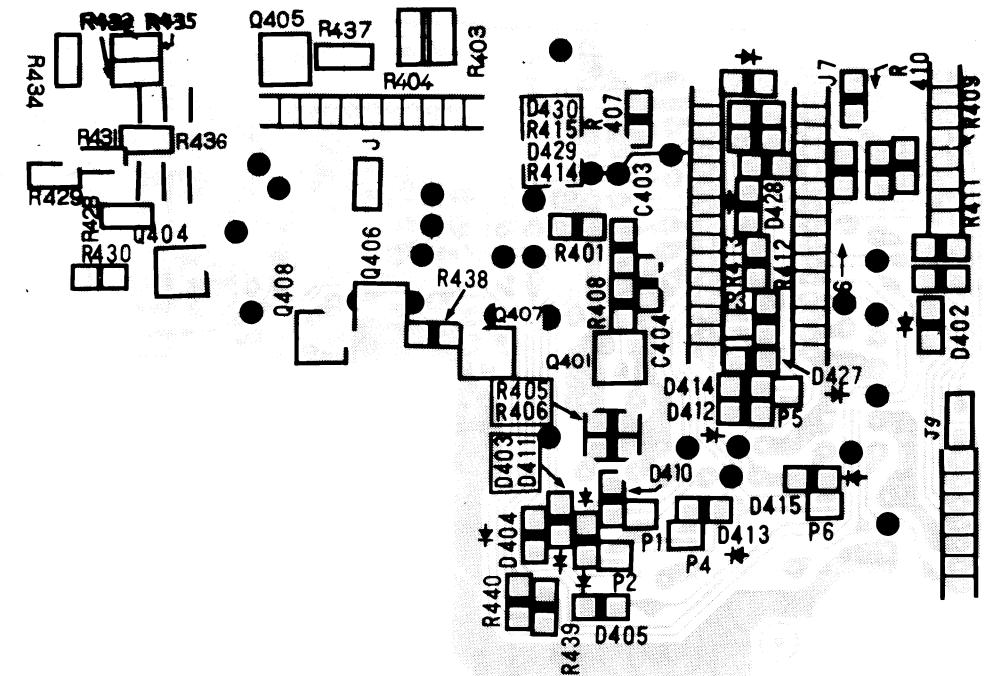


BASE CPU

Top View

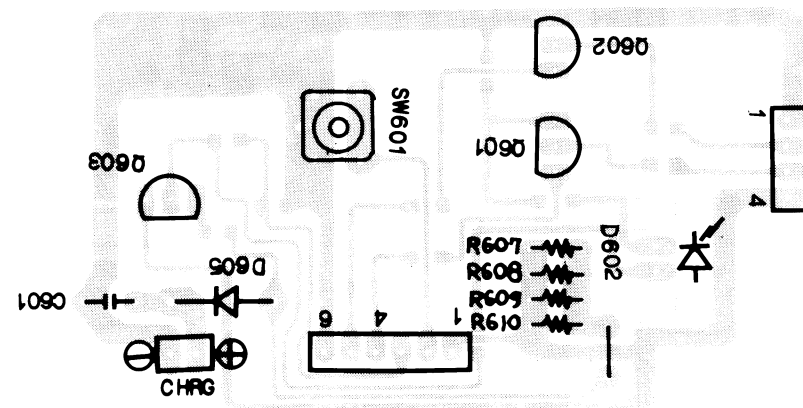


Bottom View

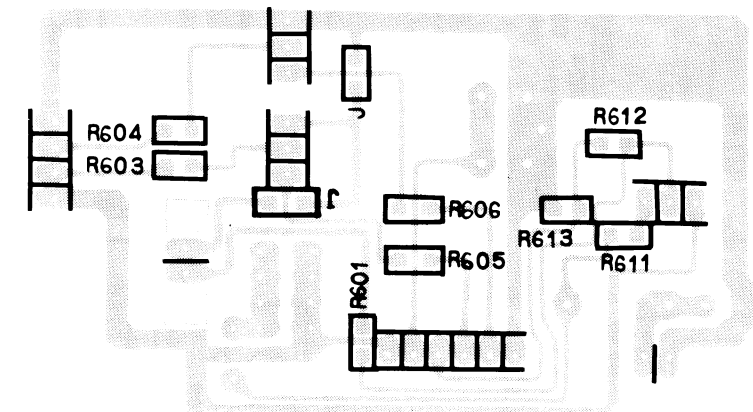


BASE CONTROL

Top View

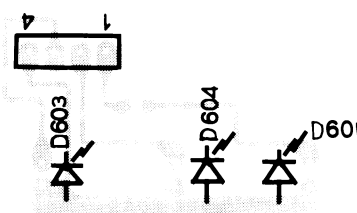


Bottom View

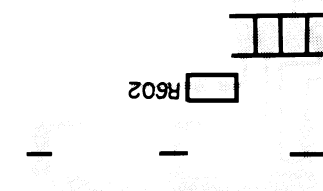


BASE LED

Top View



Bottom View



Ref. No.	Description	Part No.
SW102	Slide SW	1621772
SW103	Slide SW	1621772
SW104	Slide SW	1621694
X101	X'tal 3.58MHz	FXD355LCT003

Ref. No.	Description	Part No.
Remote Tuner PCB		
Capacitors		
C11	Chip CAP. B-(K) 0.001uF	12B2102
C12	Chip CAP. B-(K) 0.01uF	12B2103
C13	Chip CAP. CH-(J) 12PF	12CH120
C14	Chip CAP. SL-(J) 10PF	1270100
C15	Chip CAP. B-(K) 0.001uF	12B2102
C16	Chip CAP. F-(Z) 0.1uF	12F2104
C17	Chip CAP. B-(K) 0.01uF	12B2103
C18	Chip CAP. CH-(J) 27PF	12CH270
C19	Chip CAP. B-(K) 0.01uF	12B2103
C20	Chip CAP. SL-(J) 2PF	1270209
C21	Chip CAP. CH-(J) 18PF	12CH180
C22	Chip CAP. SL-(J) 5PF	1270509
C23	Chip CAP. CH-(J) 220PF	12CH221
C24	Chip CAP. CH-(J) 56PF	12CH560
C25	Chip CAP. CH-(J) 100PF	12CH101
C26	Chip CAP. CH-(J) 120PF	12CH121
C27	Chip CAP. CH-(J) 120PF	12F2104
C28	Chip CAP. F-(Z) 0.1uF	12F2104
C29	Chip CAP. F-(Z) 0.1uF	526T106
C30	Electrolytic CAP. 10uF/16V	12B2222
C32	Chip CAP. B-(K) 0.0022uF	12B2103
C35	Chip CAP. B-(K) 0.01uF	12CH560
C49	Chip CAP. CH-(J) 56PF	1270809
C50	Chip CAP. SL-(J) 8PF	12B2103
C51	Chip CAP. B-(K) 0.01uF	1270680
C52	Chip CAP. SL-(J) 68PF	526T106
C53	Electrolytic CAP. 10uF/16V	12CH509
C54	Chip CAP. CH-(J) 5PF	12B2103
C55	Chip CAP. B-(K) 0.01uF	1270220
C56	Chip CAP. SL-(J) 22PF	12B2103
C57	Chip CAP. B-(K) 0.01uF	12UJ121
C58	Chip CAP. UJ-(J) 120PF	12UJ560
C59	Chip CAP. UJ-(J) 56PF	12B2102
C60	Chip CAP. B-(K) 0.001uF	12B2471
C61	Chip CAP. B-(K) 470PF	526W225
C63	Electrolytic CAP. 2.2uF/50V	526W105
C65	Electrolytic CAP. 1uF/50V	12B2222
C66	Chip CAP. B-(K) 0.0022uF	1270560
C67	Chip CAP. SL-(J) 56PF	12F2104
C68	Chip CAP. F-(Z) 0.1uF	12F2104
C71	Chip CAP. F-(Z) 0.1uF	12CH330
C72	Chip CAP. CH-(J) 33PF	1270820
C73	Chip CAP. SL-(J) 82PF	526W105
C74	Electrolytic CAP. 1uF/50V	1270120
C76	Chip CAP. SL-(J) 12PF	526W335
C78	Electrolytic CAP. 3.3uF/50V	1270390
C80	Chip CAP. SL-(J) 39PF	526R226
C81	Electrolytic CAP. 22uF/6.3V	526T106
C82	Electrolytic CAP. 10uF/16V	1220828
C104	Chip CAP. F-(Z) 1uF	1220828
C105	Chip CAP. B-(K) 0.001uF	12B2102
C109	Chip CAP. F-(Z) 1uF	1220828

Ref. No.	Description	Part No.
C120	Chip CAP. SL-(J) 82PF	1270820
C121	Chip CAP. SL-(J) 82PF	1270820
C122	Chip CAP. F-(Z) 1uF	72F6105
C123	Chip CAP. F-(Z) 0.1uF	72F6105
C130	Chip CAP. B-(K) 0.01uF	12B2103
C150	Axial CAP. Y-(M) 0.01uF	3Y4D103
Coils		
T1	Casing Coil	LFA07V*SF007
T2	Casing Coil	LFA07V*SF003
T3	Casing Coil	LFA07V*SF013
T4	Casing Coil	113D767
T5	Casing Coil	LFA07V*SF010
T6	Casing Coil	LFA07V*SF004
T7	Casing Coil	113D765
T8	Casing Coil	113D850
T9	Casing Coil	LFA07V*SF006
T10	Casing Coil	LFA07V*SF008
T11	Casing Coil	LFA07V*SF012
Semiconductors		
D11	Diode	HZ3BLL-B
D12	Diode	1SV164
D13	Diode	MTZ5.6-B
D14	Diode	RLS-73
D15	Diode	RLS-73
D101	Diode	GL3ED8
IC11	IC	MC3361BD
Q108	Transistor	2SA1037K
Q109	Transistor	2SC2412
Resistors		
R11	Chip Fixed RES. 1/10W J 68K ohm	134F683
R12	Chip Fixed RES. 1/10W J 470 ohm	134F471
R13	Chip Fixed RES. 1/10W J 10K ohm	134F103
R14	Chip Fixed RES. 1/10W J 5.6K ohm	134F562
R15	Chip Fixed RES. 1/10W J 1K ohm	134F102
R16	Chip Fixed RES. 1/10W J 470 ohm	134F471
R17	Chip Fixed RES. 1/10W J 100K ohm	134F104
R20	Chip Fixed RES. 1/10W J 270K ohm	134F274
R21	Chip Fixed RES. 1/10W J 33K ohm	134F333
R24	Chip Fixed RES. 1/10W J 100K ohm	134F104
R25	Chip Fixed RES. 1/10W J 330 ohm	134F331
R30	Chip Fixed RES. 1/10W J 270K ohm	134F274
R31	Chip Fixed RES. 1/10W J 100K ohm	134F104
R32	Chip Fixed RES. 1/10W J 560K ohm	134F564
R33	Chip Fixed RES. 1/10W J 10K ohm	134F103
R34	Chip Fixed RES. 1/10W J 120K ohm	134F124
R35	Chip Fixed RES. 1/10W J 470 ohm	134F471
R36	Chip Fixed RES. 1/10W J 330 ohm	134F331
R37	Chip Fixed RES. 1/10W J 15K ohm	134F153
R39	Chip Fixed RES. 1/10W J 82 ohm	134F820
R40	Chip Fixed RES. 1/10W J 10K ohm	134F103
R41	Chip Fixed RES. 1/10W J 180K ohm	134F184
R42	Chip Fixed RES. 1/10W J 33K ohm	134F333
R43	Chip Fixed RES. 1/10W J 33 ohm	134F330
R44	Chip Fixed RES. 1/10W J 10 ohm	134F100
R46	Chip Fixed RES. 1/10W J 68K ohm	134F683
R51	Chip Fixed RES. 1/10W J 10 ohm	134F100
R52	Chip Fixed RES. 1/10W J 33 ohm	134F330
R53	Chip Fixed RES. 1/10W J 220 ohm	134F221
R61	Chip Fixed RES. 1/10W J 1K ohm	134F102
R102	Chip Fixed RES. 1/10W J 27K ohm	134F273

Ref. No.	Description	Part No.
R103	Chip Fixed RES. 1/10W J 270K ohm	134F274
R113	Chip Fixed RES. 1/8W J 10K ohm	134H103
R114	Chip Fixed RES. 1/8W J 2.2K ohm	134H222
R115	Chip Fixed RES. 1/8W J 150 ohm	134H151
R117	Chip Fixed RES. 1/10W J 10K ohm	134F103
R127	Chip Fixed RES. 1/10W J 100K ohm	134F104
R130	Chip Fixed RES. 1/10W J 560K ohm	134F564
R132	Chip Fixed RES. 1/10W J 10K ohm	134F103
R142	Chip Fixed RES. 1/10W J 1K ohm	134F102
Miscellaneous		
BT101	NI-CD Battery	3V280R3
CF11	Ceramic Filter 455KHz	1810480
CN11	Base Post (Top) 2 Pin	1740764
CN11	Wire Assy (Battery)	WX1G5352-001
J	Chip Fixed RES. 1/8W J 0 ohm	134H000
J	Chip Fixed RES. 1/10W J 0 ohm	134F000
L11	Inductor 4.7uH	2165479
L12	Inductor 560uH	2165561 or
L13	Inductor 560uH	2157561
L14	Inductor 0.33uH	216533A
L14	Inductor 0.47uH	216547A
MC101	ECM	DMEEX T*HD001
SP101	Speaker	DSP T*02KC001
SP102	Ringer Speaker	1520576
VR11	Semifixed RES. 500K ohm	138J943
VR12	Semifixed RES. 500K ohm	138J943
VR13	Semifixed RES. 3K ohm	138J934
X11	X'tal RX 11.53875MHz	FXE116LDS001
	X'tal RX 11.56375MHz	FXE116LDS002
	X'tal RX 11.60375MHz	FXE116LDS003
	X'tal RX 11.62875MHz	FXE116LDS005
X12	X'tal TX 16.55667MHz	FXD166LDS001
	X'tal TX 16.59MHz	FXD166LDS002
	X'tal TX 16.643333MHz	FXD166LDS003
	X'tal TX 16.656667MHz	FXD166LDS005
	Lead Wire 1 Pin	WX3001A62507
	Ribbon Wire 3 Pin	5750228
	Ribbon Wire 5 Pin	5750229
	MIC 2 Pin	WX3Z02L62210
	ANT 1 Pin	G5350-07
	1.3 Ø Pin	1720688

BASE UNIT

Ref. No.	Description	Part No.
	Base Unit	
	Consists of the following:	BG5480F01001
	Base Main PCB	-----
	Base CPU PCB	-----
	Base Control PCB	-----
	Base LED PCB	-----

Ref. No.	Description	Part No.
Capacitors		
C201	Axial CAP. B-(K) 100PF	3B42101
C203	Axial CAP. Y-(M) 0.01uF	3Y4D103
C204	Axial CAP. SL-(J) 10PF	3S41100
C205	Axial CAP. B-(K) 0.001uF	3B42102

Ref. No.	Description	Part No.
C206	Axial CAP. Y-(M) 0.01uF	3Y4D103
C207	Axial CAP. Y-(M) 0.01uF	3Y4D103
C209	Axial CAP. B-(K) 0.001uF	3B42102
C211	Axial CAP. B-(K) 220PF	3B42221
C212	Axial CAP. SL-(J) 10PF	3S41100
C213	Axial CAP. SL-(K) 5.6PF	3S42569
C214	Axial CAP. CH-(J) 18PF	3C41180
C215	Ceramic CAP. CH 56PF	12CH560
C216	Ceramic CAP. CH 68PF	12CH680
C219	Axial CAP. F-(Z) 0.1uF	3F40104
C220	Axial CAP. F-(Z) 0.1uF	3F40104
C221	ELE.CAP. 10uF/16V	126C106
C222	ELE.CAP. 2.2uF/50V	126F225
C223	Axial CAP. F-(Z) 0.1uF	3F40104
C224	Axial CAP. B-(K) 100PF	3B42101
C225	Axial CAP. X-(M) 0.0022uF	3X48222
C226	Chip CAP. B-(K) 0.01uF	12B2103
C227	Ceramic CAP. CH 39PF	12CH390
C228	Axial CAP. SL-(J) 10PF	3S41100
C229	Ceramic CAP. CH 27PF	12CH270
C230	Axial CAP. Y-(M) 0.01uF	3Y4D103
C231	Axial CAP. SL-(J) 68PF	3S41680
C232	Axial CAP. SL-(J) 100PF	3S41101
C233	Axial CAP. Y-(M) 0.01uF	3Y4D103
C234	Axial CAP. SL-(J) 39PF	3S41390
C235	Axial CAP. Y-(M) 0.01uF	3Y4D103
C236	Axial CAP. B-(K) 0.001uF	3B42102
C237	Ceramic CAP. UJ 56PF	12UJ560
C238	Ceramic CAP. UJ 120PF	12UJ121
C239	ELE.CAP. 10uF/16V	126C106
C241	Axial CAP. Y-(M) 0.01uF	3Y4D103
C242	Axial CAP. B-(K) 270PF	3B42271
C243	Chip CAP. B-(K) 0.0047uF	12B3472
C244	Chip CAP. B-(K) 0.047uF	12B2473
C245	Chip CAP. SL-(J) 100PF	1270101
C248	Chip CAP. SL-(J) 82PF	1270820
C250	Chip CAP. SL-(J) 47PF	1270470
C251	Chip CAP. F-(Z) 0.01uF	12B2103
C253	Chip CAP. B-(K) 0.022uF	12B2223
C255	ELE.CAP. 0.1uF/50V	526W104
C256	Chip CAP. B-(K) 0.001uF	12B3102
C257	ELE.CAP. 10uF/16V	526S106
C258	ELE.CAP. 10uF/16V	526S106
C259	ELE.CAP. 10uF/16V	526S106
C260	ELE.CAP. 10uF/16V	526S106
C261	ELE.CAP. 10uF/16V	526S106
C262	ELE.CAP. 10uF/16V	526S106
C263	ELE.CAP. 10uF/16V	526S106
C264	ELE.CAP. 10uF/16V	526S106
C265	Metalized Film CAP. 0.22uF/250V	CTS2EKT00224 or
	Metalized Film CAP. 0.22uF/250V	122Z419
C266	Chip CAP. B-(K) 0.001uF	12B3102
C267	Chip CAP. SL-(J) 100PF	1270101
C268	Chip CAP. B-(J) 0.0056uF	12B3562
C269	Chip CAP. B-(J) 0.0056uF	12B3562
C270	Metalized Film CAP. 0.22uF/250V	CTS2EK*00224 or
	Metalized Film CAP. 0.22uF/250V	122Z419
C271	Chip CAP. SL-(J) 100PF	1270101
C272	Chip CAP. B-(J) 0.0056uF	12B3562
C273	Chip CAP. B-(J) 0.0056uF	12B3562

Ref. No.	Description	Part No.
C275	Ceramic CAP. CH 82PF	12CH820
C276	ELE.CAP. 220uF/10V	126B227
C277	Axial CAP. Y-(M) 0.01uF	3Y4D103
C278	ELE.CAP. 220uF/10V	126B227
C279	Axial CAP. F-(Z) 0.1uF	3F40104
C280	Axial CAP. F-(Z) 0.022uF	3F45223
C283	Axial CAP. Y-(M) 0.01uF	3Y4D103
C284	ELE.CAP. 10uF/16V	526S106
C300	Chip CAP. B-(K) 0.001uF	12B3102
C301	ELE.CAP. 10uF/16V	526S106
C302	ELE.CAP. 10uF/16V	526S106
C303	Chip CAP. B-(K) 0.001uF	12B3102
C304	ELE.CAP. 10uF/16V	526S106
C305	ELE.CAP. 10uF/16V	526S106
C306	Axial CAP. F-(Z) 0.022uF	3F45223
C307	ELE.CAP. 220uF/16V	126C227
C308	Chip CAP. B-(K) 0.0056uF	12B3562
C309	Chip CAP. B-(K) 0.0056uF	12B3562
C310	Chip CAP. B-(K) 330PF	12B3331
C311	Chip CAP. B-(K) 0.001uF	12B3102
C312	Chip CAP. B-(K) 0.001uF	12B3102
C313	Chip CAP. B-(K) 0.001uF	12B3102
C314	ELE.CAP. 1000uF/10V	CE1AMZUTL102
Coils		
T202	Casing Coil	113D762
T203	Casing Coil	LFA07V*SF003
T204	Casing Coil	LFA07V*SF013
T205	Casing Coil	LFA07V*SF014
T206	Casing Coil	113D761
T207	Casing Coil	LFA07V*SF004
T208	Casing Coil	113D851
T209	Casing Coil	113D760
T210	Casing Coil	113D553
T211	Casing Coil	113D707
T220	Audio Trans	115M716
T221	Audio Trans	115M716
Semiconductors		
D213	Diode	1SV164
D215	Diode	RLS73
D218	Diode	RLS73
D219	Diode	RLS73
D222	Diode	MTZ27-B
D223	Diode	MTZ27-B
D225	Diode	RLS73
D226	Diode	MTZ27-B
D227	Diode	MTZ27-B
D229	Diode	RLS73
D230	Diode	1SS133
D232	Diode	1SS133
D233	Diode	1SS133
D234	Diode	1N4002
D235	Diode	RLS73
D236	Diode	RLS73
D237	Diode	RLS73
D251	Diode	MTZ9.1-B
D260	Diode	1N4004
D261	Diode	1N4004
D262	Diode	1N4004
D263	Diode	1N4004
D264	Diode	1N4004

Ref. No.	Description	Part No.
D265	Diode	1N4004
D266	Diode	1N4004
D267	Diode	1N4004
D268	Diode	1N4004
D269	Diode	1N4004
D270	Diode	1N4004
D271	Diode	1N4004
D272	Diode	1N4004
D273	Diode	1N4004
D274	Diode	1N4004
D275	Diode	1N4004
D280	Diode	MTZ36B
D281	Diode	MTZ36B
D282	Diode	MTZ36B
D283	Diode	MTZ36B
D407	Diode	RLS73
D408	Diode	RLS73
D409	Diode	RLS73
IC201	IC	MC3361BP
IC202	IC	LM324N or
	IC	BA10324A
IC203	IC	LM324N
	IC	BA10324A
IC206	IC	NJM78L05
IC207	IC	NJM7808 or
	IC	BA17808T
IC208	IC	TC4066BP
IC209	IC	PS2505-01
IC210	IC	PS2505-01
Q201	Transistor	2SC1674L
Q202	Transistor	2SC1675L
Q203	Transistor	LA733Q1 or
	Transistor	2SA933SQ
Q204	Transistor	2SC1675L
Q205	Transistor	2SC2026P or
	Transistor	2SC2026L
Q206	Transistor	2SC1675L
Q207	Transistor	LC945P1 or
	Transistor	2SC1740SR
Q220	Transistor	LC945P1 or
	Transistor	2SC1740SR
Q221	Transistor	LC945P1 or
	Transistor	2SC1740SR
Q222	Transistor	LC945P1 or
	Transistor	2SC1740SR
Resistors		
R201	Carbon RES. 1/6W (J) 27K ohm	132A273
R202	Carbon RES. 1/6W (J) 330 ohm	132A331
R203	Carbon RES. 1/6W (J) 5.6K ohm	132A562
R204	Carbon RES. 1/6W (J) 27K ohm	132A273
R205	Carbon RES. 1/6W (J) 1K ohm	132A102
R206	Carbon RES. 1/6W (J) 27K ohm	132A273
R207	Chip Fixed RES. 1/10W (J) 220 ohm	134F221
R208	Chip Fixed RES. 1/10W (J) 470K ohm	134F474
R209	Chip Fixed RES. 1/10W (J) 22K ohm	134F223
R210	Chip Fixed RES. 1/10W (J) 10K ohm	134F103
R211	Chip Fixed RES. 1/10W (J) 1K ohm	134F102
R212	Chip Fixed RES. 1/10W (J) 1K ohm	134F102
R213	Chip Fixed RES. 1/10W (J) 390K ohm	134F394
R214	Carbon RES. 1/6W (J) 1K ohm	132A102

Ref. No.	Description	Part No.
R215	Carbon RES. 1/6W (J) 10 ohm	132A100
R216	Carbon RES. 1/6W (J) 330 ohm	132A331
R217	Carbon RES. 1/6W (J) 100K ohm	132A104
R218	Carbon RES. 1/6W (J) 82 ohm	132A820
R219	Carbon RES. 1/6W (J) 10K ohm	132A103
R220	Carbon RES. 1/6W (J) 18K ohm	132A183
R221	Carbon RES. 1/6W (J) 100K ohm	132A104
R222	Chip Fixed RES. 1/10W (J) 160K ohm	134F164
R223	Carbon RES. 1/6W (J) 330 ohm	132A331
R224	Carbon RES. 1/6W (J) 270 ohm	132A271
R225	Carbon RES. 1/6W (J) 120K ohm	132A124
R226	Carbon RES. 1/6W (J) 10K ohm	132A103
R227	Carbon RES. 1/6W (J) 100K ohm	132A104
R228	Carbon RES. 1/6W (J) 470K ohm	132A474
R229	Carbon RES. 1/6W (J) 68K ohm	132A683
R230	Chip Fixed RES. 1/10W (J) 120K ohm	134F124
R232	Carbon RES. 1/6W (J) 82 ohm	132A820
R234	Chip Fixed RES. 1/10W (J) 120K ohm	134F124
R236	Chip Fixed RES. 1/10W (J) 330K ohm	134F334
R237	Carbon RES. 1/6W (J) 220K ohm	132A224
R238	Chip Fixed RES. 1/10W (J) 33K ohm	134F333
R239	Chip Fixed RES. 1/10W (J) 22K ohm	134F223
R240	Chip Fixed RES. 1/10W (J) 56K ohm	134F563
R242	Chip Fixed RES. 1/10W (J) 680K ohm	134F684
R243	Chip Fixed RES. 1/10W (J) 3.9K ohm	134F392
R244	Chip Fixed RES. 1/10W (J) 470K ohm	134F474
R247	Chip Fixed RES. 1/10W (J) 470 ohm	134F471
R249	Chip Fixed RES. 1/10W (J) 39K ohm	134F393
R250	Chip Fixed RES. 1/10W (J) 3.9K ohm	134F392
R251	Chip Fixed RES. 1/10W (J) 560K ohm	134F564
R252	Chip Fixed RES. 1/10W (J) 68K ohm	134F683
R253	Chip Fixed RES. 1/10W (J) 47K ohm	134F473
R258	Chip Fixed RES. 1/10W (J) 100K ohm	134F104
R259	Chip Fixed RES. 1/10W (J) 560K ohm	134F564
R260	Chip Fixed RES. 1/10W (J) 470 ohm	134F471
R261	Chip Fixed RES. 1/10W (J) 470 ohm	134F471
R262	Metal Oxide RES. 1/2W (J) 27 ohm	5347270
R263	Carbon RES. 1/4W (J) 39K ohm	1346393
R264	Chip Fixed RES. 1/10W (J) 100K ohm	134F104
R265	Chip Fixed RES. 1/10W (J) 470K ohm	134F474
R266	Chip Fixed RES. 1/10W (J) 10K ohm	134F103
R267	Chip Fixed RES. 1/10W (J) 10K ohm	134F103
R268	Chip Fixed RES. 1/10W (J) 10K ohm	134F103
R269	Chip Fixed RES. 1/10W (J) 150K ohm	134F154
R270	Chip Fixed RES. 1/10W (J) 2.2M ohm	134F225
R271	Chip Fixed RES. 1/10W (J) 6.8M ohm	134F685
R272	Chip Fixed RES. 1/10W (J) 8.2M ohm	134F825
R273	Chip Fixed RES. 1/10W (J) 6.8M ohm	134F685
R274	Chip Fixed RES. 1/10W (J) 8.2M ohm	134F825
R275	Chip Fixed RES. 1/10W (J) 2.2M ohm	134F225
R276	Chip Fixed RES. 1/10W (J) 6.8M ohm	134F685
R277	Chip Fixed RES. 1/10W (J) 8.2M ohm	134F825
R278	Chip Fixed RES. 1/10W (J) 2.2K ohm	134F222
R279	Chip Fixed RES. 1/10W (J) 6.8M ohm	134F685
R280	Chip Fixed RES. 1/10W (J) 8.2M ohm	134F825
R281	Chip Fixed RES. 1/10W (J) 470 ohm	134F471
R282	Metal Oxide RES. 1/2W (J) 27 ohm	5347270
R284	Carbon RES. 1/4W (J) 39K ohm	1346393
R285	Chip Fixed RES. 1/10W (J) 100K ohm	134F104
R286	Chip Fixed RES. 1/10W (J) 470K ohm	134F474

Ref. No.	Description	Part No.
R287	Chip Fixed RES. 1/10W (J) 10K ohm	134F103
R288	Chip Fixed RES. 1/10W (J) 10K ohm	134F103
R289	Chip Fixed RES. 1/10W (J) 10K ohm	134F103
R290	Chip Fixed RES. 1/10W (J) 150K ohm	134F154
R291	Chip Fixed RES. 1/10W (J) 2.2M ohm	134F225
R292	Chip Fixed RES. 1/10W (J) 6.8M ohm	134F685
R293	Chip Fixed RES. 1/10W (J) 8.2M ohm	134F825
R294	Chip Fixed RES. 1/10W (J) 2.2M ohm	134F225
R295	Chip Fixed RES. 1/10W (J) 6.8M ohm	134F685
R296	Chip Fixed RES. 1/10W (J) 8.2M ohm	134F825
R297	Chip Fixed RES. 1/10W (J) 6.8M ohm	134F685
R298	Chip Fixed RES. 1/10W (J) 8.2M ohm	134F825
R299	Chip Fixed RES. 1/10W (J) 6.8M ohm	134F685
R300	Chip Fixed RES. 1/10W (J) 8.2M ohm	134F825
R301	Carbon RES. 1/6W (J) 1.8 ohm	132A189
R302	Chip Fixed RES. 1/10W (J) 18K ohm	134F183
R303	Chip Fixed RES. 1/10W (J) 1K ohm	134F102
R304	Chip Fixed RES. 1/10W (J) 390K ohm	134F394
R305	Chip Fixed RES. 1/10W (J) 180 ohm	134F181
R306	Chip Fixed RES. 1/10W (J) 18K ohm	134F183
R307	Chip Fixed RES. 1/10W (J) 1K ohm	134F102
R308	Chip Fixed RES. 1/10W (J) 390K ohm	134F394
R309	Chip Fixed RES. 1/10W (J) 180 ohm	134F181
R310	Chip Fixed RES. 1/10W (J) 56K ohm	134F563
R311	Chip Fixed RES. 1/10W (J) 470 ohm	134F471
R312	Carbon RES. 1/6W (J) 120 ohm	134A121
R313	Chip Fixed RES. 1/10W (J) 470 ohm	134F471
R314	Carbon RES. 1/4W (J) 12K ohm	1346123
R315	Carbon RES. 1/4W (J) 12K ohm	1346123
R316	Chip Fixed RES. 1/10W (J) 10K ohm	134F103
R317	Chip Fixed RES. 1/10W (J) 10K ohm	134F103
R322	Carbon RES. 1/6W (J) 56 ohm	132A560
R323	Chip Fixed RES. 1/10W (J) 2.7K ohm	134F272
R324	Chip Fixed RES. 1/10W (J) 6.8K ohm	134F682
R325	Chip Fixed RES. 1/10W (J) 2.7K ohm	134F272
R326	Chip Fixed RES. 1/10W (J) 6.8K ohm	134F682
Miscellaneous		
CF201	Ceramic Filter 455KHz	1810480
CN201	Connector IL-G Base Post 4P	1740456
CN202	Connector IL-S Base Post 11P	1740784
J201	DC Jack	1710086
L203	Inductor 0.33uH	216533A
L205	Inductor 15uH	2165150
L207	Inductor 0.22uH	216522A
L211	Inductor 150mH	LLBR**DMM154 or
	Inductor 150mH	117D589
L212	Inductor 22uH	117D417
L213	Inductor 22uH	117D417
L214	Inductor 150mH	LLBR**DMM154 or
	Inductor 150mH	117D589
L215	Inductor 22uH	117D417
L216	Inductor 22uH	117D417
L217	Inductor 100uH	2165101T
L218	Inductor 100uH	2165101
L219	Inductor 100uH	2165101
MD201	Modular Code	WTC212HM001
RL201	Lead Relay OMR-109H	1680061
RL202	Lead Relay OMR-109H	1680061
RL203	Lead Relay OR-306H	1680111
SW401	Slide SW	1621694

Ref. No.	Description	Part No.
VR210	Semifixed RES. 5K ohm	138J935
VR215	Semifixed RES. 10K ohm	138J936
VR220	Semifixed RES. 50K ohm	138J939
X202	X'tal TX 15.536MHz	1811063
X202	X'tal TX 15.57MHz	1811066
X202	X'tal TX 15.623MHz	1811070
X202	X'tal TX 15.656MHz	1811072
X203	X'tal RX 12.30375MHz	FXE126LDS001
X203	X'tal RX 12.32875MHz	FXE126LDS002
X203	X'tal RX 12.36875MHz	FXE126LDS003
X203	X'tal RX 12.37875MHz	FXE126LDS005
X204	X'tal 3.84MHz	FXD385LCT001
	AC/DC ADAPTOR 9V/300mA Singapore	UADPDCAFM021
	AC/DC ADAPTOR 9V/300mA Taiwan	UADPDCAFM011
	PCB Support	XP0C023YA001
	Ribbon Wire 6 Pin	WX3Z06L6FF16
	CONT PCB to Main PCB	
	Ribbon Wire 2 Pin Charge	WX3Z02N6AA21
	Wire Ass'y 4 Pin LED PCB to CONT PCB	WX3Z04L6FF10
	Wire Ass'y 1P ANT	WX1G5440-003
	Wire Ass'y 11P CPU PCB to Main PCB	WX1G5440-002
	Wire Ass'y 7P CPU PCB to Main PCB	WX1G5440-004
	Wire Ass'y 8P CPU PCB to Main PCB	WX1G5440-005
	Wire 1 Pin A A,	WX3901A65508
	Wire 1 Pin B B,	WX3901A6FF05
	Wire 1 Pin C C,	WX3901A6FF08

Ref. No.	Description	Part No.
	Base CPU PCB	-----
Capacitors		
C249	Axial CAP. B-(K) 820PF	3B42821
C401	ELE.CAP. 1uF/50V	126W105
C402	ELE.CAP. 10uF/16V	526S106
C403	Chip CAP. CH-(J) 68PF	12CH680
C404	Chip CAP. CH-(J) 68PF	12CH680
C409	ELE.CAP. 4.7uF/50V	526W475
C410	Axial CAP. F-(Z) 0.022uF	3F45223
C411	ELE.CAP. 4.7uF/50V	526W475
C412	Axial CAP. F-(Z) 0.022uF	3F45223
C415	ELE.CAP. 1uF/50V	126W105
C416	ELE.CAP. 1uF/50V	126W105
Semiconductors		
D401	Diode	MTZ3.9-B
D402	Diode	RLS73
D403	Diode	RLS73
D404	Diode	RLS73
D405	Diode	RLS73
D410	Diode	RLS73
D411	Diode	RLS73
D412	Diode	RLS73
D413	Diode	RLS73
D414	Diode	RLS73
D415	Diode	RLS73
IC401	IC	GC90* * *TS003
IC404	IC	LM358N
Q401	Transistor	2SA1037K
Q404	Transistor	2SC2412Q
Q405	Transistor	2SC2412Q
Q406	Transistor	2SC2412Q
Q407	Transistor	2SC2412Q

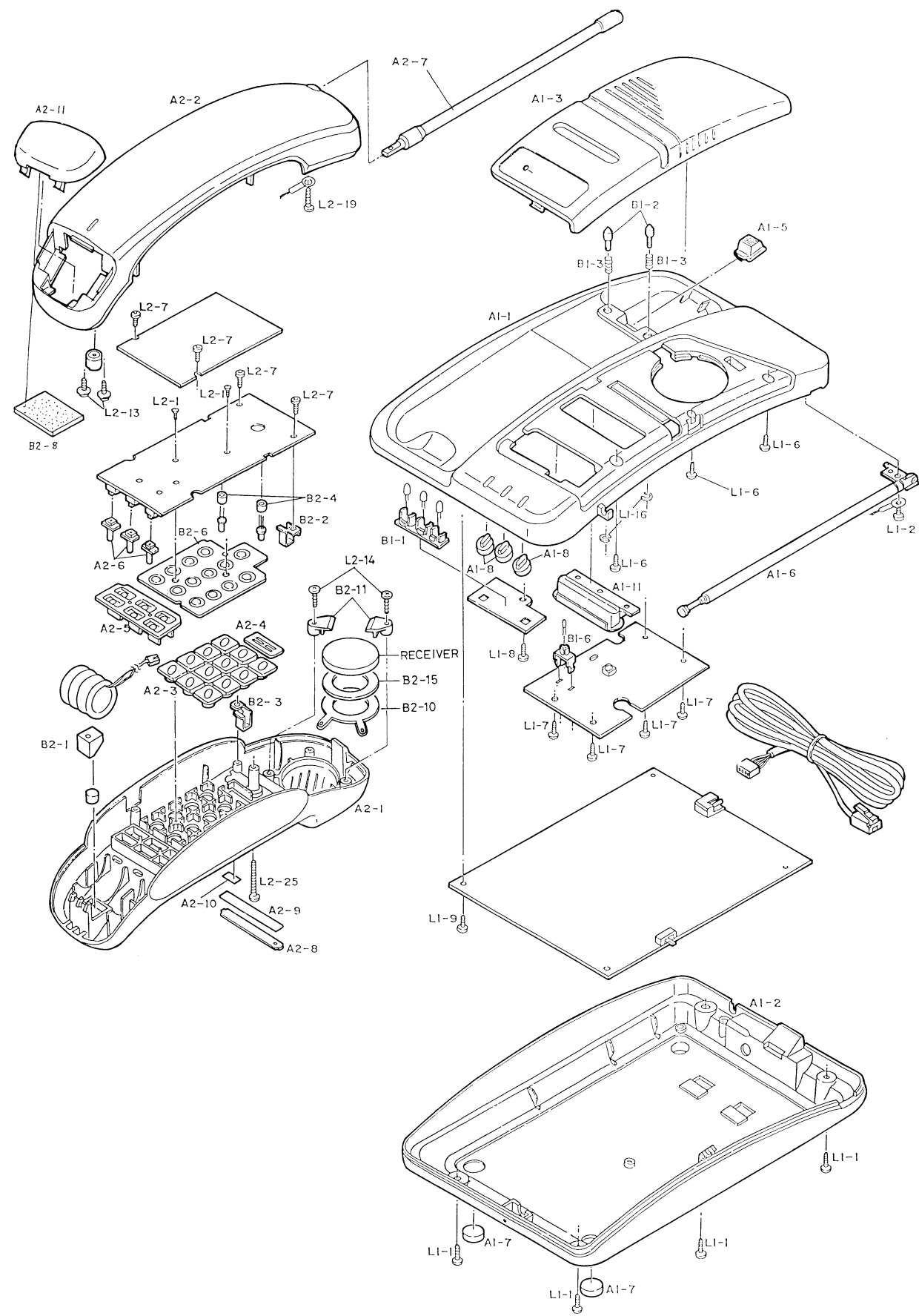
Ref. No.	Description	Part No.
Q408	Transistor	2SC2412Q
Resistors		
R245	Chip Fixed RES. 1/6W (J) 1.8K ohm	132A182
R246	Chip Fixed RES. 1/6W (J) 1.8K ohm	132A182
R401	Chip Fixed RES. 1/10W (J) 33K ohm	134F333
R403	Chip Fixed RES. 1/10W (J) 33K ohm	134F333
R404	Chip Fixed RES. 1/10W (J) 33K ohm	134F333
R405	Chip Fixed RES. 1/10W (J) 270K ohm	134F274
R406	Chip Fixed RES. 1/10W (J) 390K ohm	134F394
R407	Chip Fixed RES. 1/10W (J) 39K ohm	134F393
R408	Chip Fixed RES. 1/10W (J) 6.8K ohm	134F682
R409	Chip Fixed RES. 1/10W (J) 82K ohm	134F823
R410	Chip Fixed RES. 1/10W (J) 120K ohm	134F124
R411	Chip Fixed RES. 1/10W (J) 180K ohm	134F184
R412	Chip Fixed RES. 1/10W (J) 10K ohm	134F103
R413	Chip Fixed RES. 1/10W (J) 10K ohm	134F103
R414	Chip Fixed RES. 1/10W (J) 10K ohm	134F103
R415	Chip Fixed RES. 1/10W (J) 10K ohm	134F103
R428	Chip Fixed RES. 1/10W (J) 10K ohm	134F103
R429	Chip Fixed RES. 1/10W (J) 100 ohm	134F101
R430	Chip Fixed RES. 1/10W (J) 150K ohm	134F154
R431	Chip Fixed RES. 1/10W (J) 6.8K ohm	134F682
R432	Carbon RES. 1/6W (J) 1K ohm	132A102
R433	Chip Fixed RES. 1/10W (J) 10K ohm	134F103
R434	Chip Fixed RES. 1/10W (J) 100 ohm	134F101
R435	Chip Fixed RES. 1/10W (J) 150K ohm	134F154
R436	Chip Fixed RES. 1/10W (J) 6.8K ohm	134F682
R437	Chip Fixed RES. 1/10W (J) 1K ohm	134F102
R438	Chip Fixed RES. 1/10W (J) 1K ohm	134F102
R439	Chip Fixed RES. 1/10W (J) 1K ohm	134F102
R440	Chip Fixed RES. 1/10W (J) 1K ohm	134F102
Miscellaneous		
L401	Inductor 220uH	2165221

Ref. No.	Description	Part No.
	Base Control PCB	-----
Capacitors		
C601	Axial CAP. F-(Z) 0.022uF	3F45223
Semiconductors		
D602	LED	SLR-54MC3F
D605	Diode	1N4001
Q601	Transistor	LC945P1 or
	Transistor	2SC1740SR
Q602	Transistor	LC945P1 or
	Transistor	2SC1740SR
Q603	Transistor	LA733Q1 or
	Transistor	2SA933SQ
Resistors		
R601	Chip Fixed RES. 1/10W (J) 820 ohm	134F821
R603	Chip Fixed RES. 1/10W (J) 560 ohm	134F561
R604	Chip Fixed RES. 1/10W (J) 560 ohm	134F561
R605	Chip Fixed RES. 1/10W (J) 10K ohm	134F103
R606	Chip Fixed RES. 1/10W (J) 10K ohm	134F103
R607	Carbon RES. 1/4W (J) 270 ohm	1346271
R608	Carbon RES. 1/4W (J) 220 ohm	1346221
R609	Carbon RES. 1/4W (J) 220 ohm	1346221
R610	Carbon RES. 1/4W (J) 220 ohm	1346221
R611	Chip Fixed RES. 1/10W (J) 10K ohm	134F103
R612	Chip Fixed RES. 1/10W (J) 1.8K ohm	134F182

Ref. No.	Description	Part No.
R613	Chip Fixed RES. 1/10W (J) 3.9K ohm	134F392
Miscellaneous		
SW601	Tact SW	5622171

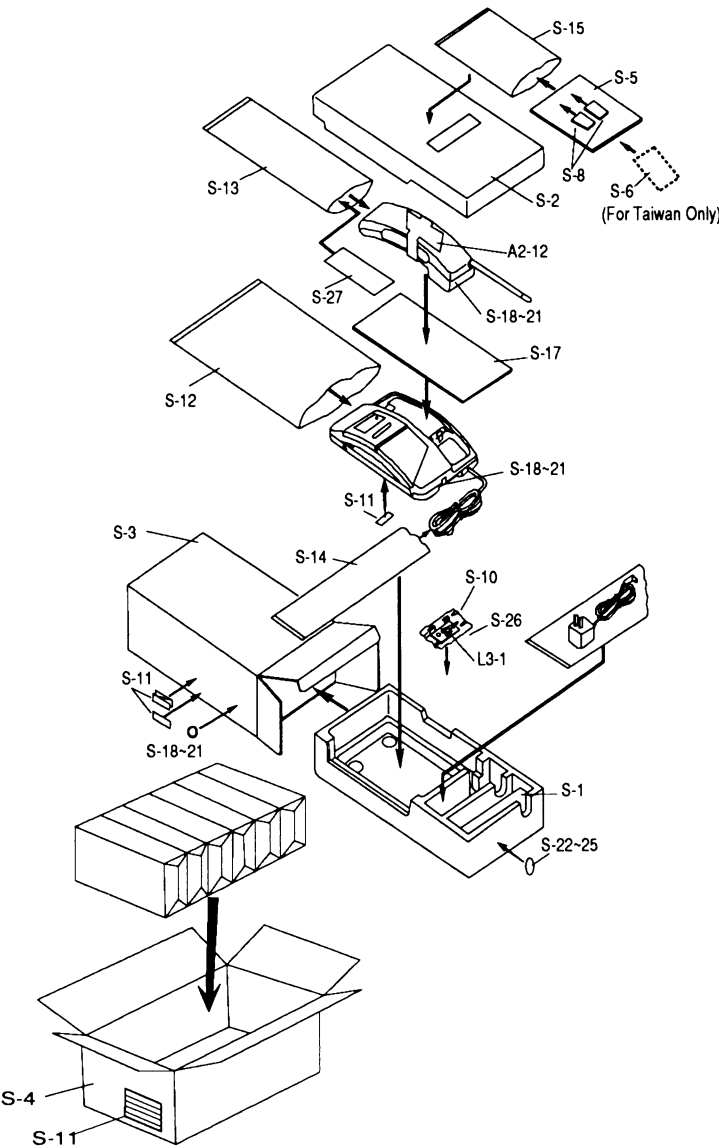
Ref. No.	Description	Part No.
	Base LED PCB	-----
Miscellaneous		
D601	LED	LN28RPL
D603	LED	SLR-54MC3F
D604	LED	SLR-54MC3F
R602	Chip Fixed RES. 1/10W (J) 820 ohm	134F821

EXPLODED VIEWS AND PARTS LIST



Ref. No.	Description	Part No.
A1-1	Base Top Case	OGM300065
A1-2	Base Bottom Case	OGM200028
A1-3	Base Top Cover	OGM200029
A1-5	Handset Hook	21WT244
A1-6	(B) Rod Antenna	27AT030
A1-7	Case Foot	21WT150
A1-8	LED Window (A)	21DT014
A1-11	Intercom Button (Page)	21NT440
A2-1	Hand Front Case	OGM400280
A2-2	Hand Rear Case	OGM300072
A2-3	Dial Key	21NT442
A2-4	Talk Knob	21NT443
A2-5	Function Rubber	21WT258
A2-6	Slide Knob	21NT444
A2-7	(H) Antenna	27AT029
A2-8	No. Label Window	24DT030
A2-9	No. Label	24LT355
A2-10	Date Code Label	24L3352
A2-11	Battery Lid	21BT032
B1-1	LED Holder (A)	21WT214
B1-2	CHG. Terminal	25B0002
B1-3	CHG. Terminal Spring	26W0322
B1-6	LED Holder (B)	OGM400281
B2-1	Hand MIC. Holder	21WT213
B2-2	Hand CHG. Terminal (L)	23WT177
B2-3	Hand CHG. Terminal (R)	23WT176
B2-4	(H) LED Holder	21WT184
B2-6	Key Rubber	21WT208
B2-8	Battery Cushion	24WT205
B2-10	Ground Plate	23WT222
B2-11	SP. Holder	21WT260
B2-15	SP. Cushion	21WT261
L1-1	P-tight Screw M3 X 8	GCMP3100
L1-2	P-tight Screw M3 X 8	GCMP3100
L1-6	P-tight Screw M3 X 8	GLMP3080
L1-7	P-tight Screw M3 X 8	GLMP3080
L1-8	P-tight Screw M3 X 8	GLMP3080
L1-9	P-tight Screw M3 X 8	GLMP3080
L1-16	E-ring Ø 2	EEU0020
L2-1	P-tight Screw M2 X 6	DDM3206
L2-7	P-tight Screw M2.6 X 8	GBMP9080
L2-13	P-tight Screw M3 X 8	GZMP3080
L2-14	P-tight Screw M3 X 14	GLMP3140
L2-19	P-tight Screw M3 X 10	GZMP3100
L2-25	P-tight Screw M3 X 20	GLMP3200

PACKING EXPLODED VIEW AND PARTS LIST



Ref. No.	Description	Part No.
A2-12	Hand Set Tag	OGM400298
S-1	Snow Box (Bottom)	32ST061
S-2	Snow Box (Top)	32ST062
S-3	Gift Box	OGM400282
S-4	Shipping Carton	OGM400299
S-5	Instruction Book Chinese (For Taiwan) Instruction Book (For Singapore)	OGMN00025 or OGMN00024
S-6	Guarantee Card (For Taiwan)	
S-8	Memory Label	32GA207
S-10	Base Hook Holder	23WT109
S-11	Serial Label	24LT298
S-12	Poly Bag	Z323340
S-13	Poly Bag	Z313480
S-14	Poly Bag	Z308430
S-15	Poly Bag	Z217260
S-17	Esaform Sheet	32FT027
S-18	CH. Label (CH1)	24LT030
S-19	CH. Label (CH4)	24LT033
S-20	CH. Label (CH8)	24LT037
S-21	CH. Label (CH10)	24LT039
S-22	CH. Label (1) (For Taiwan) CH. Label (1) (For Singapore)	24L3277 or 24L3260
S-23	CH. Label (4) (For Taiwan) CH. Label (4) (For Singapore)	24L3280 or 24L3263
S-24	CH. Label (8) (For Taiwan) CH. Label (8) (For Singapore)	24L3284 or 24L3267
S-25	CH. Label (10) (For Taiwan) CH. Label (10) (For Singapore)	24L3286 or 24L3269
S-26	Poly Bag	Z506100
S-27	Battery Caution Sheet	32G3355
L3-1	Tapping Screw M5 X 15	DBM1516