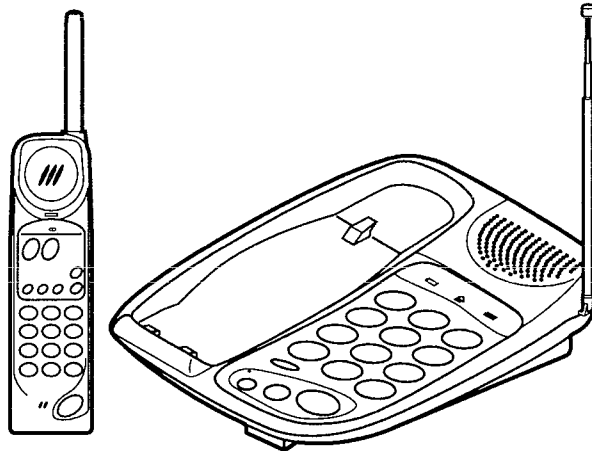


Service manual

Cordless Telephone

CLT-586X(AU) CLT-586(RU)



CONTENTS

Transmitting frequency	
Base station: ..	30.075-30.300 MHz
Handset:	39.775-40.000 MHz
Receiving frequency	
Base station: ..	39.775-40.000 MHz
Handset:	30.075-30.300 MHz
Noise Reduction	Super-Comander IV
Speaker Control	yes
Memory Dia l	10-number
Channel Access	10 ch
Security Codes	10 Million(random)
Speaker Phone	yes
Continuous Standby	40-days
Auto Standby/	
Quick Talk Access	yes
Paging	yes
Flash	yes
Ring control	yes
Hearing-Aid Compalible	yes
Redial/Pause	yes
Specifications subject to change without notice.	

PRODUCT CODE No.

163 047 90 (AU)

163 047 86 (RU)

Tone/Pulse	yes
Antenna	Rod,
Walk-Mountable	yes
Power Source	
Base station:	AC adaptor AC230-240V, 50Hz(CLT-586X) AC220V, 50Hz(CLT-586) DC9V
Handset:	Ni-Cd battery: 3.6V, 270 mAh
Dimensions	
Base station:	187 (W) x 71.5 (H) x 244 (D) mm
Handset:	57 (W) x 286 (H) x 57 (D) mm
Accessories	AC adaptor and plug adaptor Telephone line cord Wall mount Hanger Instruction manual Number Memory Index Sheet Battery Pack

ADJUSTMENT

1. ALIGNMENT FOR BASE SECTION

NOTE : During alignment, disconnect the antenna wire from the set.
For test mode condition, please refer to Remarks.

Test mode: Keep pressing "INT/PAGE" key down during supply of 9V dc and toggle the slide switch of "PULSE/TONE" switch.
Confirm wheather the two LEDs(D406 and D407) are all ON.

1-1. Tx/Rx VCO (See FIG-1, TABLE-1)

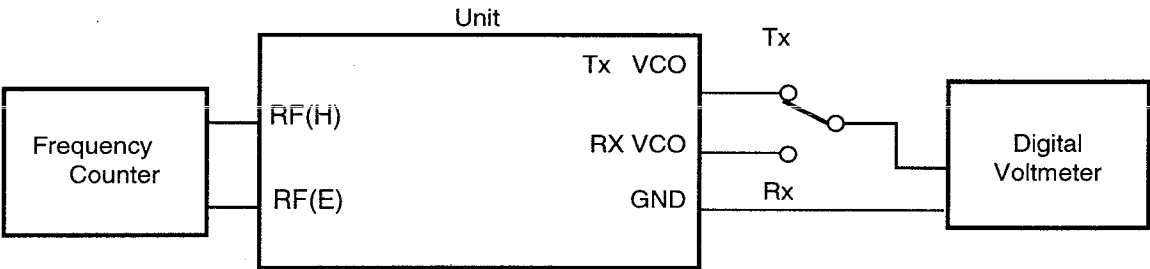
Test Equipment

- Digital Voltmeter
- DC Power Supply (DC 9.0V...CENTER MINUS)
- Frequency Counter

Unit Condition

- a) Set unit to "TEST" mode.
- b) Connect the circuit as shown.
- c) Switch position S402 → PULSE Tx: "ON"
- d) Confirm the unit is transmitting at channel 10, 30.300MHz,through the frequency counter.If not either depressed the "0" of the dial pad of change the channel by using "INT/PAGE" key.
- e) Align T202 (Tx) and T102 (Rx) to obtain 3.0V ± 0.1V DC from read of digital voltmeter respectively.

Adjustment



(FIG-1)

STEP	CONDITION	ADJUST	ADJUSTED VALUE	SPECIFICATION
1. Tx VCO	Tx VCO side	T202	3.0 V	3.0 V ± 0.1 V
2. Rx VCO	Rx VCO side	T102	3.0 V	3.0 V ± 0.1 V

(TABLE-1)

ADJUSTMENT

1-2. TRANSMITTING (See FIG-2, TABLE-2, FIG-3, TABLE-3)

Test Equipment

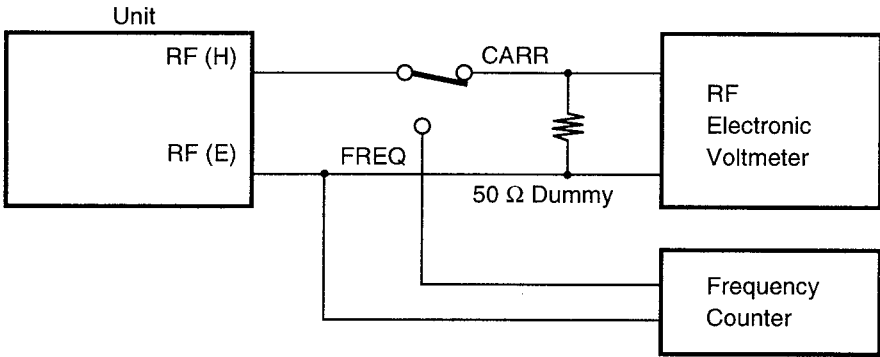
- RF Electronic Voltmeter
- Linear Detector
- AC Adapter (DC9.0V...CENTER MINUS)
- Frequency Counter
- AF Oscillator
- Dummy Load (50 Ω)

Unit Condition

- a) Continue from 3-1, test mode condition.
- b) Connect up the circuit as shown below.
- c) Access channel 7, 30.225MHz, by pressing “FLASH” and then the “INT” button, or depress “7” key on the dial pad.
- d) Switch position S402 → PULSE Tx Power: “ON”
S902 → PULSE Tx Muting: “ON”
- e) Through the frequency counter, confirm the unit is transmitting in 30.225MHz by aligning CT101.
- f) Confirm the transmission power is 6.0dBm ± 2.0dBm through the RF Voltmeter with the 50 ohm adaptor.
- g) Tx MODULATION 1. S902→RINGER ON Tx Muting: “OFF”.

h) Tx DATA MODULATION

- Mute the Rx by soldering a 220μF at R310 to GND.
- 2. Adjust AF oscillator to 1KHz, and the output level at the ACVM is -20dBm.
 - 3. Align VR601 to obtain 2.0 kHz ± 0.1 at linear detector.
 - 4. Confirm at AF Oscillator to Tel linne.
300 Hz, -20 dBm: the read of linear detector 1.5 kHz ± 0.30 kHz dev.
3 kHz, -20 dBm: the read of linear detector 3.2 kHz ± 0.30 kHz dev.
- 1. Depress “REDIAL” Key.(Tx data is sent.)
 - 2. Check the read of linear detector is 3.6 kHz ± 1.0 kHz dev.



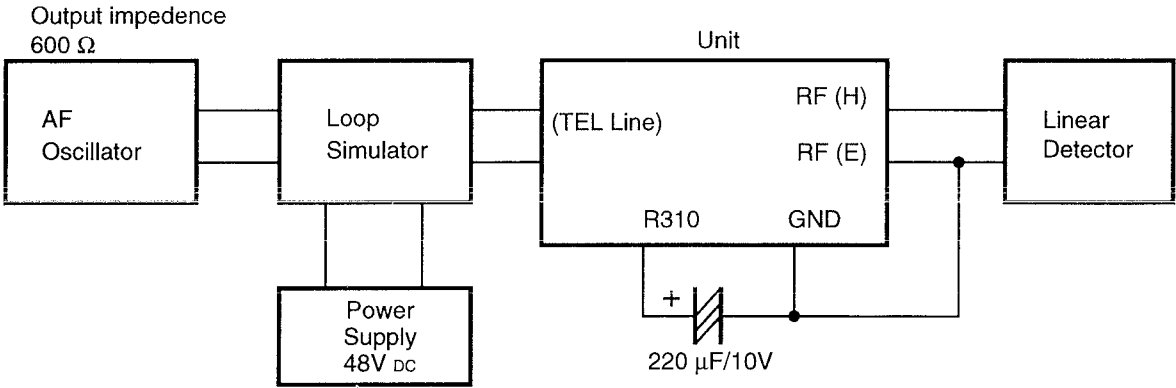
(FIG-2)

STEP	CONDITION	ADJUST	ADJUSTED VALUE	SPECIFICATION
1. Tx LEVEL	CARR side		6.0 dBm	6.0 dBm ± 2.0 dBm
2. Rx FREQUENCY	FREQ side	CT101	30.225 MHz	30.225 MHz ± 0.5 kHz

(TABLE-2)

ADJUSTMENT

Adjustment (T-2)



(FIG-3)

STEP	CONDITION		ADJUST	ADJUSTED VALUE	SPECIFICATION
3. LINE Mod.	OSC OUTPUT (-20 dBm)	1 kHz	VR601	2.0 kHz dev.	2.0 ± 0.1 kHz dev.
		300 kHz	-----	1.5 kHz dev.	1.5 ± 0.30 kHz dev.
		3 kHz	-----	3.2 kHz dev.	3.2 ± 0.30 kHz dev.
4. DATA Mod.	-----		-----	3.6 kHz dev.	3.6 ± 1.0 kHz dev.

(TABLE-3)

1-3. RECEIVING (See FIG-4, TABLE-4)

Test Equipment

- FM SSG (50 Ω : OPEN TYPE)
- AC Voltmeter (AFVM)
- AC Adapter (DC 9.0V CENTER MINUS)
- Distortion Meter
- Dummy Load (600 Ω)

Unit Condition

- a) Set the condition as in 3-2.
- b) Depress “FLASH” to change to channel 6, 30.220MHz confirm through frequency counter.
- c) Switch position S402 → TONE Tx Power “OFF”
S902 → TONE Tx Muting “On”
- d) Connect the circuit as shown below.
- e) Set the frequency Modulation Signal generator to 39.900MHz, 1000Hz mod. 2000Hz dev. at 46dBμ output.
- f) Rx IF
Align T301 to obtain maximum deflection and minimum distortion from the read of AC voltmeter and distortion meter respectively.
- g) Rx RF
Change output level of FM SSG from 46 dBμ to 5 dBμ.
Align T101 to obtain minimum distortion at the distortion meter

(less than 10%)

h) AF LEVEL

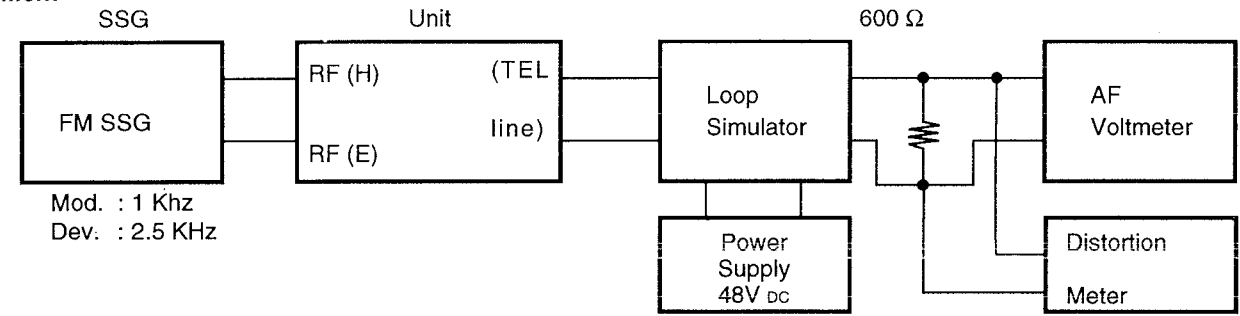
Change output level of FM SSG from 5 dBμ to 46 dBμ.
Align VR302 to obtain -3.0dBμ ± 0.5 dB from read of AF voltmeter, and confirm at the FM SSG input of
300 Hz: the output of AFVM -2.5 dBm ± 2 dBm
3 kHz: the output of AFVM -9.0dBm ± 3 dBm

i) CD Level Adjustment

Change output level of FM SSG from 46 dBm to 10 dBm.
Align VR301 anti-clockwise so that the DC voltmeter just turn to Low, then align VR301 clockwise so that the DC voltmeter just turn to Low.
Confirm the CD Level is Low by changing the FM SSG output 8dBμ.
Confirm the CD Level is High by changing the FM SSG output 12dBμ.

ADJUSTMENT

Adjustment

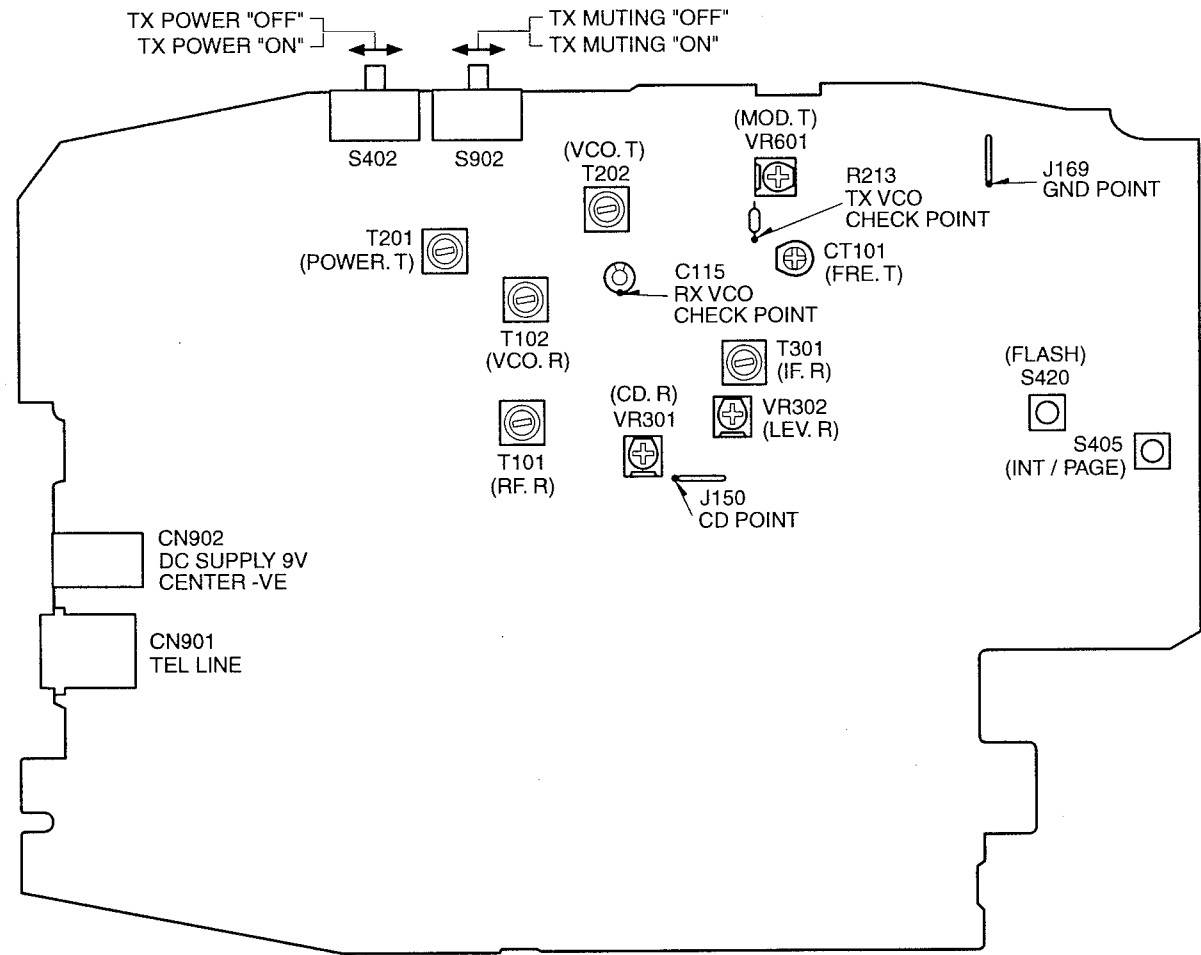


(FIG-4)

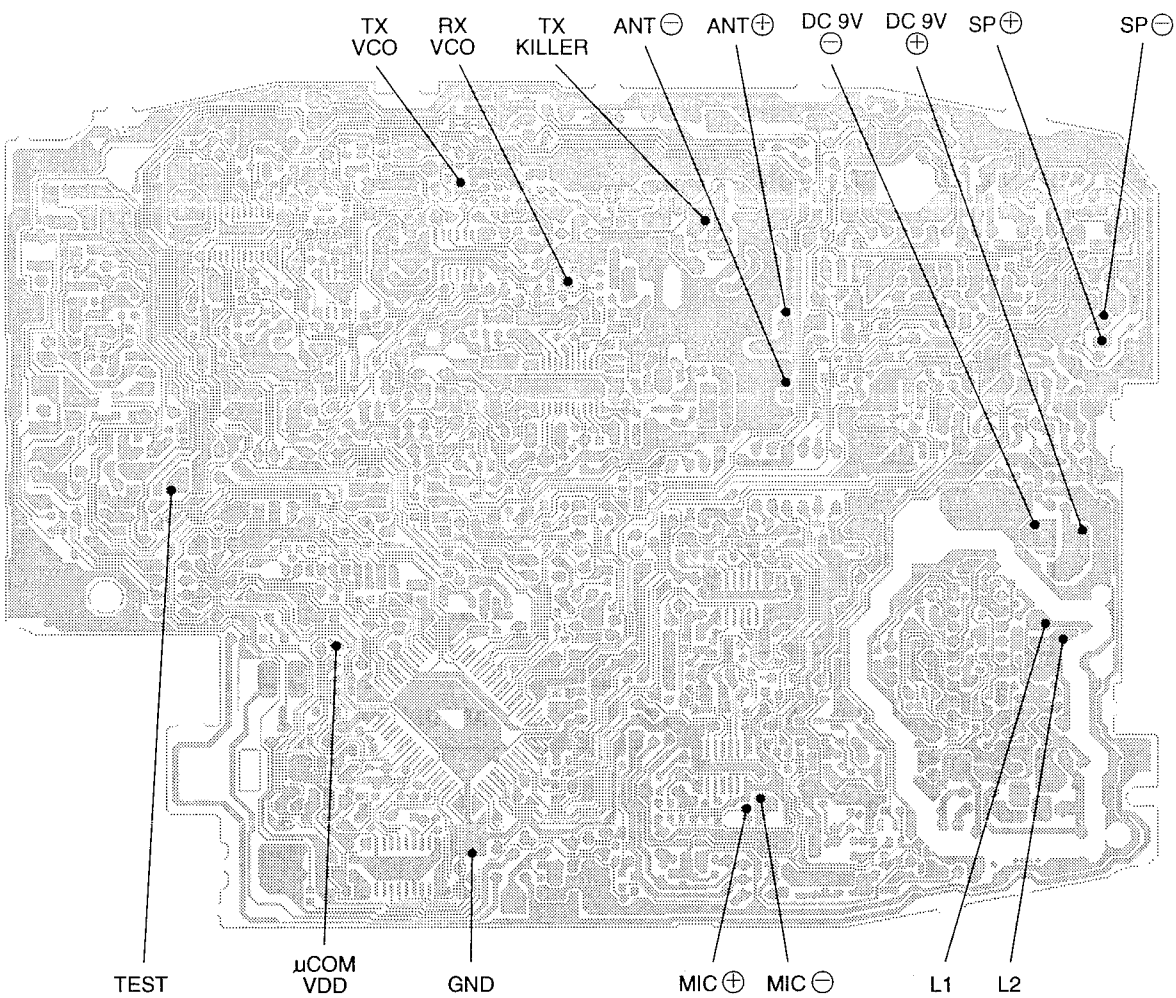
STEP	CONDITION	ADJUST	ADJUSTED VALUE	SPECIFICATION
1. IF	SSG OUTPUT: 46 dBμ	T301	Maximum Level	-----
2. RF	SSG OUTPUT: 5 dBμ	T101	Minimum Distortion	Less Than 10%
3. AF LEVEL (US version)	SSG: 46 dBμ (1 KHz)	VR302	-3 dBm	± 0.5 dBm
	(300 Hz)	----	-----	-2.5 dBm ± 2 dBm
	(3 kHz)	----	-----	-9.0 dBm ± 3 dBm
4. CD LEVEL	SSG OUTPUT: 10 dBμ	VR301	CHANGE of OUTPUT LEVEL OUTPUT LEVEL "LOW" (CD ON) OUTPUT LEVEL "HI" (CD OFF)	
	SSG OUTPUT: 8 dBμ			
	SSG OUTPUT: 12 dBμ			

(TABLE-4)

PARTS LOCATION



ADJUSTMENT
TEST POINT



ADJUSTMENT

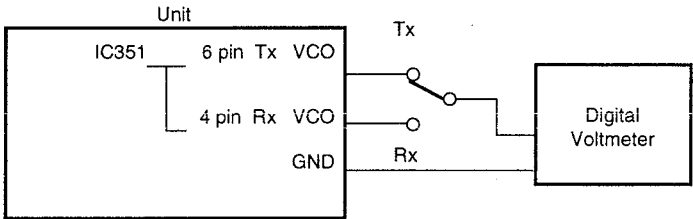
- Accessing of Test mode can be either by solder short IC001 pin2 to Gnd. or depressing key number “1” and “9” simultaneously, during until DC power supply to the unit.

2. ALIGNMENT FOR HANDSET SECTION

2-1. Tx/Rx VCO

- Test Equipment
- Digital Voltmeter
 - DC Power Supply (DC 3.8V)

Unit Condition Adjustment



STEP	CONDITION	ADJUST	ADJUSTED VALUE	SPECIFICATION
1. Tx VCO	Tx VCO side	T253	1.5 V	1.5 V ± 0.1 V
2. Rx VCO	Rx VCO side	T153	1.5 V	1.5 V ± 0.1 V

- Set unit to “TEST” mode .
- Setup the unit as shown below.
- Depress “0” followed by “*” to obtain channel 10 transmission frequency of 40.000MHz.
- Align T253 (Tx) & T153 (Rx) to obtain 1.5 V ± 0.1 VDC reading from digital voltmeter respectively.

2-2. TRANSMITTING

- Test Equipment
- RF Electronic Voltmeter
 - Linear Detector
 - Dummy load (50 Ω)
 - Frequency Counter
 - AF Oscillator
 - DC Power Supply (DC3.8V)

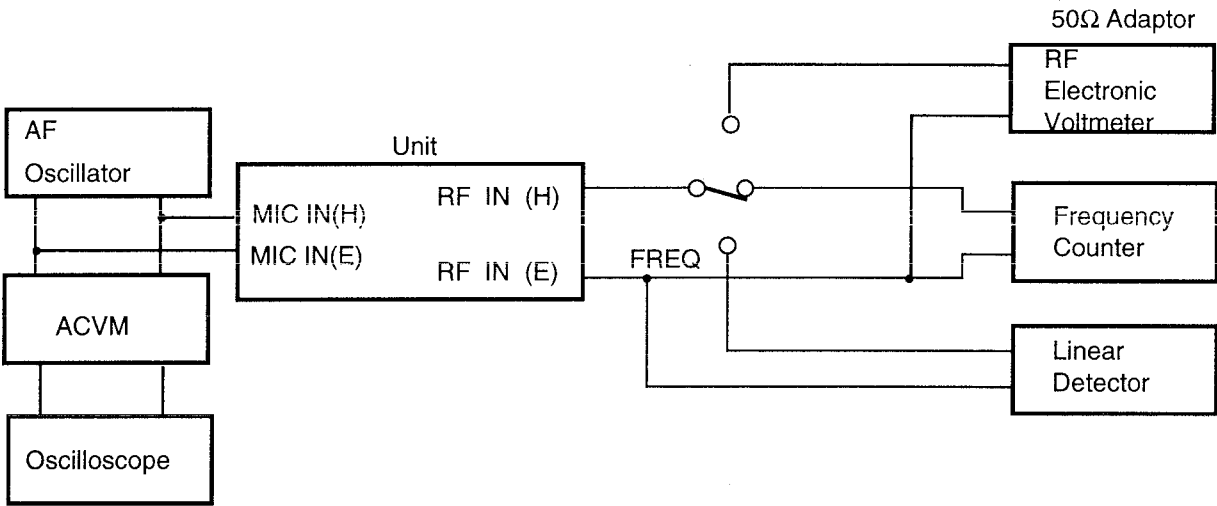
- Unit Condition
- Set the unit under test into test mode.
 - Connect the circuit as shown below.

- Tx FREQUENCY**
Change the frequency 39.925MHz, by depressing “7” followed by “*” of the dialing pad monitor at the Frequency counter. Align CT151 to obtain 39.925 MHz ± 0.3 kHz from freq. counter.

- Tx Power**
Connect the RF Electronics Voltmeter to the unit and align T251 and T252 to the maximum power obtainable. >7.0 dBm +5.0 dBm–0dBm.
- Tx MODULATION**
Connect the Linear detector to the unit. Inject AF oscillator (1 kHz, 10mV) to microphone input. Align VR651 to obtain 2.0 kHz ± 0.1 kHz dev. from Linear detector.
(H/F Mode)
Confirm Hands free Tx Mod as following. Hands free Mode is ON by pushing “SPEAKER” key and “CHANNEL” key. Then Hands free (H/F) Speaker Mute is ON. Confirm 2.6 ± 0.5 kHz dev.
- Tx DATA Mod**
After e) Push “Talk” key. Check the read of linear detector is 4.0 kHz ± 1.0 kHz dev.

ADJUSTMENT

Adjustment (T-1)



STEP	CONDITION	ADJUST	ADJUSTED VALUE	SPECIFICATION
1. Tx LEVEL	CARR side	T251/T252	above+7.0 dBm	7.0 dBm ~ 12.0dBm
2. Tx FREQUENCY	FREQ sied	CT151	39.925 MHz	39.925 MHz ± 0.3 kHz
3. Tx Mod.	1KHz,10mV	VR651	2000Hz Dev.	± 100Hz Dev.
	0.3KHz,10mV		confirm	900 ~ 1900Hz Dev.
	3KHz,10mV		confirm	1700 ~ 2800Hz Dev.
4. Handfree	1KHz,10mV		confirm	2100 ~ 3100Hz Dev.
5,Tx Data			confirm	3000 ~ 5000Hz Dev.

2-3. RECEIVING

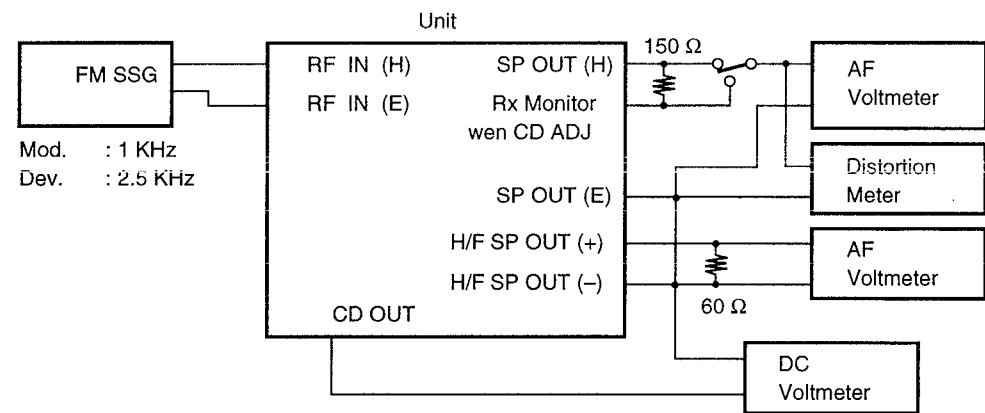
- Test Equipment
- FM SSG (50 Ω: OPEN TYPE)
 - AC Voltmeter
 - DC Power Supply (DC 3.8V)
 - Distortion Meter
 - DC Voltmeter

Unit Condition

- From the mode mentioned in 1-2, push “6” → “*” key to select channel 6th 39.900MHz monitor at the frequency counter (1000Hz mod. 2500Hz dev., 30.200 MHz, 46 dBμ at FM SSG)
- Reconnect the circuitry as shown below.
- Note the termination load of Ear speaker is 150 Ω dummy load across the Ear SP terminal and 16 Ω dymmy load across the H/F SP terminal.
- Ear Speaker output and Hands-Free Speaker output setting is normal.To change to volume high,depress “MEMORY”. To change again to normal volume ,depress “MEMORY” again.
- Rx IF**
Align T351 to obtain maximum deflection and minimum distortion at AFVM and distortion meter respectively.
- Rx RF1**

- Reduce output level of FM SSG from 46 dBμ → 5 dBμ. Align T151 to minimum distortion shown at the distortion meter (less than 10%)
- Rx AF LEVEL**
Increase output level of FM SSG from 4 dBμ → 46 dBμ. Align VR351 to obtain 50 mV ± 5 mV Ear speaker output at AFVM.
- (H/F Mode)**
Confirm Hands free speaker output as following. Hands free Mode is ON by pushing “SPEAKER” key. Confirm H/F speaker output is 0.74 to 0.93 V at AFVM.
- Auto Scan CD Level Adjustment**
Reduce the Frequency Modulation Signal Generator output level to 10dBμ. Align VR352 (anti-clock wise) to have a change output level from Low to High through the DC Voltmeter. Align VR352 (Clock Wise) the out put of DCVM Changes from High Level to Low level. Change output level of FMSSG to 12 dBμ → 8dBμ and confirm the output of DCVM is from Low to High level.

ADJUSTMENT



STEP	CONDITION	ADJUST	ADJUSTED VALUE	SPECIFICATION
1. IF	SSG OUTPUT: 46 dBμ vol,Hi	T351	Minimum distortion	Less Than 3%
2. RF	SSG OUTPUT: 5dBμ vol,Hi	T151	Minimum distortion	Less Than 10%
3-1. AF LEVEL Ear SP	SSG: 46 dBμ:(1 kHz) vol,Hi	VR351	50 mV	50 mV ± 5mV
	(300 kHz) vol,Hi	----	-----	61 mV to 110 mV
	(3 kHz) vol,Hi	----	-----	10 mV to 25 mV
	(1 kHz) vol,Lo	----	-----	70 mV to 90 mV
3-2. AF LEVEL H/F SP	SSG: 46 dBμ vol,Lo	----	-----	740 mV to 930 mV
	(1 kHz) vol,Hi	----	-----	0.93V to 1.67 mV
4. CD LEVEL	SSG OUTPUT: 10 dBμ	VR352	10 dBμ	10 ± 2dBμ
	8 dBμ			Output Level "High"
	12 dBμ			Output Level "Low"

ADJUSTMENT

FREQUENCY LIST of CORDLESS TELEPHONE

BASE UNIT

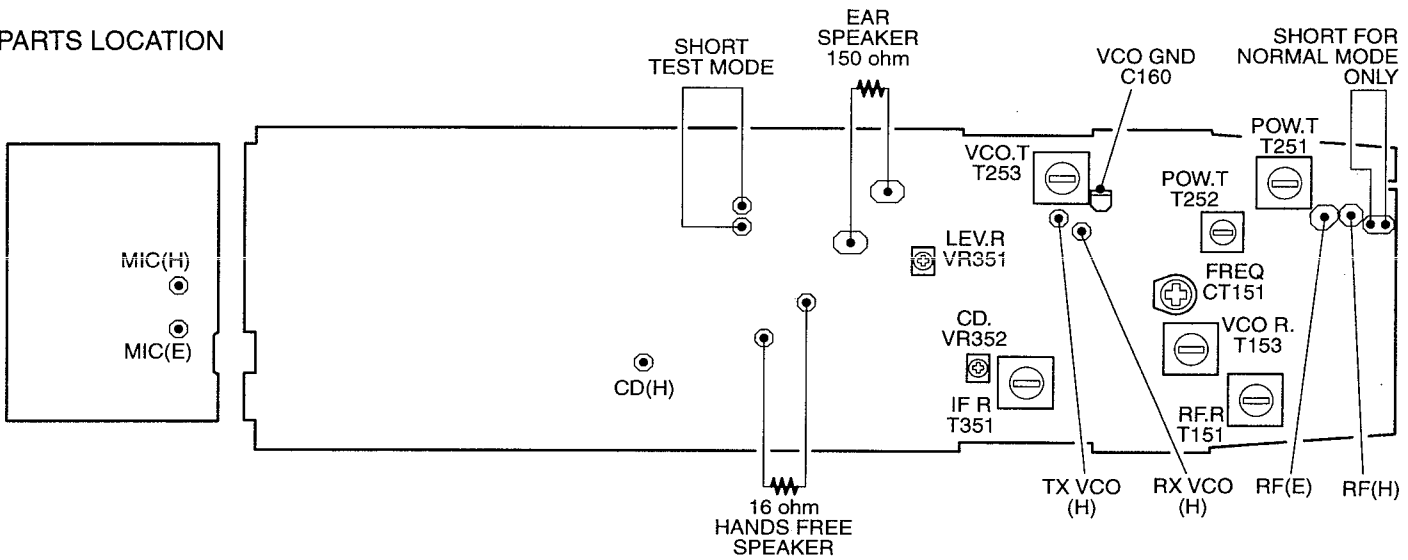
CH No	Tx FREQ (MHz)	Rx FREQ (MHz)	Rx LOCAL FREQ (MHz)
1	30.075	39.775	29.080
2	30.100	39.800	29.105
3	30.125	39.825	29.130
4	30.150	39.850	29.155
5	30.175	39.875	29.180
6	30.200	39.900	29.205
7	30.225	39.925	29.230
8	30.250	39.950	29.255
9	30.275	39.975	29.280
10	30.300	40.000	29.305

REMOTE UNIT

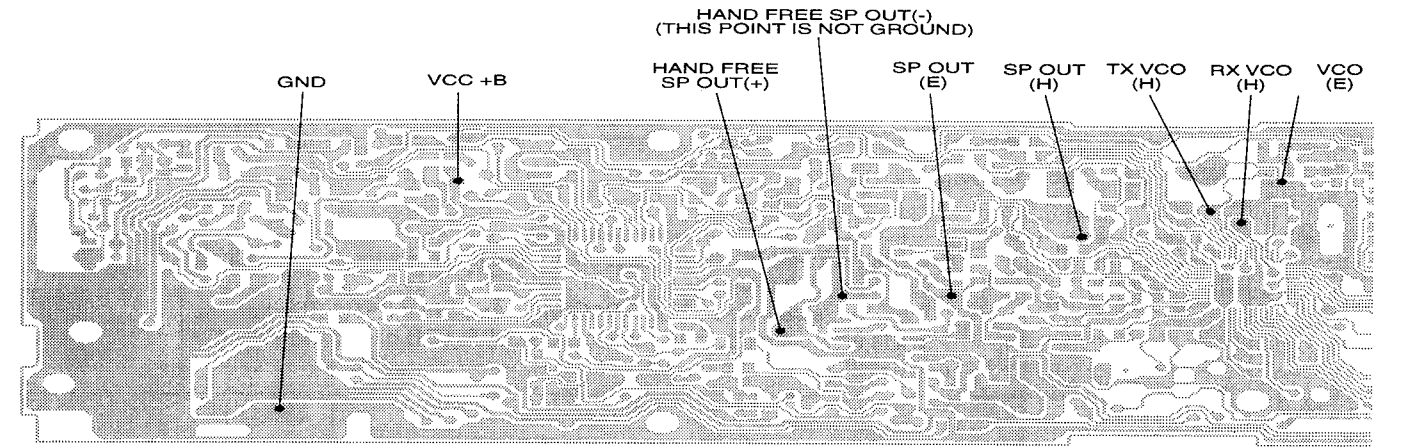
CH No	Tx FREQ (MHz)	Rx FREQ (MHz)	Rx LOCAL FREQ (MHz)
1	39.775	30.075	19.380
2	39.800	30.100	19.405
3	39.825	30.125	19.430
4	39.850	30.150	19.455
5	39.875	30.175	19.480
6	39.900	30.200	19.505
7	39.925	30.225	19.530
8	39.950	30.250	19.555
9	39.975	30.275	19.580
10	40.000	30.300	19.605

1st IF=10.695 MHz, 2nd IF=455 kHz

PARTS LOCATION



TEST POINT



TEST MODE

TEST MODE FOR BASE SECTION

1. Start-Up

(1) Start up of the Test mode by the microcomputer ports.
Before power ON, select the microcomputer ports, 36pin(High or Low),60pin-54pin(short or open),59pin-56pin)pi(short or open).

“✳” key		“FLASH” key			
36pin	60-54pin	59-56pin	mode	initial state	Channel
HIGH	open	open	Usual Mode		
LOW	open	open	Test Mode	Remote Unit Call	10 CH
	short	open	Test Mode	Remote Unit Call	7 CH
	open	short	Test Mode	Remote Unit Call (RX MUTE)	6 CH

(2) Start up of the Test mode by operation of Power ON.

- Continue pressing “INTERCOM/PAGE/FIND” key.
- Supply the power keeping “1”.
- Set the TONE/PULSE switch to PULSE.
- Set the TONE/PULSE switch to TONE.
- Release “INTERCOM/PAGE/FIND” key.

Test mode will be Remote Unit Call Status. (channel→10ch)
In case of Test mode in this way, there are several ways to change the usual mode.
a. detect charge
b. turn off the power, retry

2. The states of test mode

To channel state,press “#” key and then press numerical key(1 or 2 or 3 or 4 or 5).
Or,each time you press “SPEAKER” key ,the state No. is increased.
The state of test mode

mode	state name		LED
1	Remote Unit Call	While “REDIAL/P” key is pressed,TX DATA turns on and Tx MUTE turns on.	IN USE
2	Base Unit Call (SPEAKER phone)	By pressing “PAGE/INT” key, DTMF is sent (1,2,3,,).By pressing “REDIAL” key, PULSE dial is sent.	IN USE SPEAKER
3	INTERCOM Call	While “REDIAL/P” key is pressed,IX data turns on and TX Mute turns on. While an Incoming call is detected, INUSE_LED blinks and“RING” is heard.	PAGE/INT SPEAKER
4	Remote Unit Call(Hands-Free Talk)		IN USE PAGE/INT SPEAKER
5	All Call Route Off (Tx Power Off)	While “REDIAL/P” key is pressed,the Dummy Resistor. for Batt. Check turn on.(Q912 ON) If AC low is detected,IN USE,PAGE/INT and SPEAKER LEDs turn off. While an incomming call is detected, INUSE_LED blinks and“RING” is heard.	IN USE PAGE/INT SPEAKER CHARGE DIAL

TEST MODE

3. Control of TX POWER

TONE/PULSE SW	TX POWER
TONE	OFF
PULSE	PL

4. Control of TX Mute

RINGER SW	TX MUTE
ON	OFF
OFF	ON

- 5.Setting of PLL channel.(TX and Rx are the same No.of channels.)\
- (1)Increment of PLL channel.→ Press the “INTERCOM/PAGE/FIND” key.
- (2)Setting of PLL channel.→Press the “✳” key and then press two numeric key “1~0.”
For example: 8 channel →“✳”+“8.”
- (3)Set to 6 ch.→Press the “FLASH” key.(While “FLASH” key is pressed,Rx Mute →ON.)
- (4)Set to 7 ch.→Press the “✳” key.

6. Others

- (1) Detection of BATT. Low:
- BATT. Low → POWER FAILURE BATTERY LOW LED lights.
In other case → POWER FAILURE BATTERY LOW LED turn off.
- (2) Detection of charge:
- When the charge is detected, the CHARGE LED lights.
In the case of the Test mode by operation of Power ON→When the charge is detected, the mode change to the Usual Mode from the Test Mode.
- (3) “KEY Monitor”
- Press any key,then “KEY Monitor” beep is heard.

TEST MODE

HANDSET SECTION

1. Start-Up

(1) Startup of the Test mode by the microcomputer ports
Before power ON, select the microcomputer ports, 2pin (Hight or Low), 4pin-8pin (short or open), 5pin-8pin (short or open), 4pin-11pin (short or open).
NOTE: The all keys input are ignored at the state which the pins of microcomputer are shorted.

2 pin	short pin	mode	Channel
HIGH	none	Usual mode	--
LOW	none	Test Mode (Remote Unit Call)	10 CH
	4pin-8pin (Flash key)	Test Mode (Remote Unit Call) RX MUTE ON	7 CH
	5pin-8pin (# key)	Test Mode (Remote Unit Call)	6 CH
	4pin-11pin (R/P key)	Test Mode (Remote Unit Call)	1 CH

(2) Start up of the Test mode by operation of Power ON
The Test Mode is started up by pressing "1" and "9" keys simultaneously at power on.
When the Test Mode begins, a beep is heard.

Test mode will be Remote Unit Call Status. (channel→10ch)
In case of Test mode in this way, to change the usual mode, press "INT/PAGE" key.
When the Usual Mode begins, a beep (0.5sec) is heard.

2. The states of test mode

state name	mode specified key	TX POWER	TX MUTE	RX MUTE	TX DATA	channel
NORMAL TALK MODE	Press "✳" key.	ON	OFF	OFF	OFF	01-10
Hands-Free talk	Press "SPEAKER" key.	ON	OFF	OFF	OFF	01-10
TX DATA SEND MODE	Press "TALK" key.	ON	ON	ON	ON	01-10
STANDBY MODE	Press "END" key.	OFF	--	ON	--	01-10
Directly Specify CH.	Press "#" key.	ON	OFF	OFF	OFF	06
Directly Specify CH.	Press "REDIAL/P" key.	ON	OFF	OFF	OFF	1
Directly Specify CH.	Press "FLASH" key.	ON	OFF	ON	OFF	7

TEST MODE

3. Setting of PLL channel.

- 1 Press two numeric keys (01-10: channel No.)
- 2 Press "✳" or "SPEAKER" or "TALK" or "END" key.

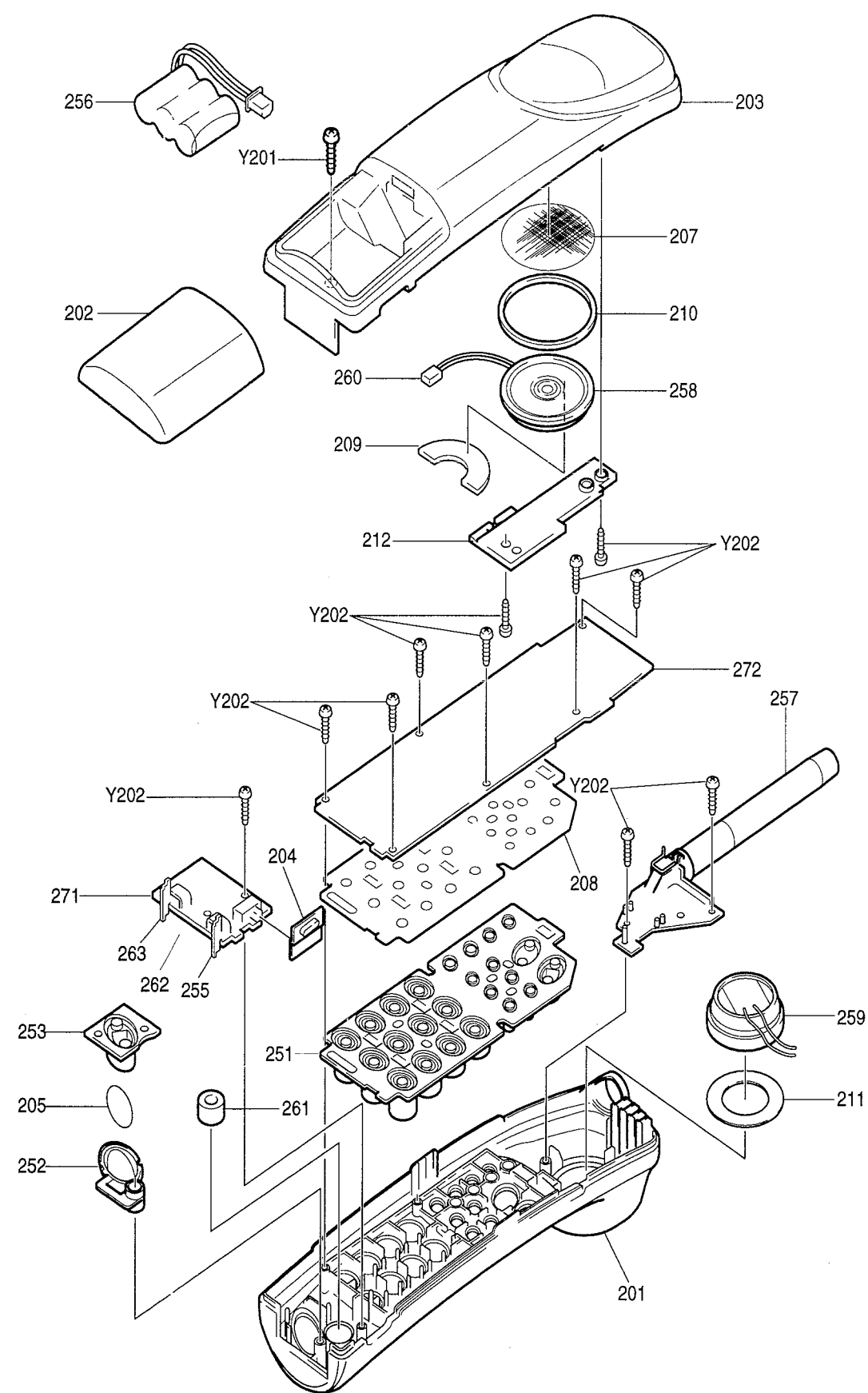
For example: TALK MODE 8 channel → "8" + "✳"

4. Others

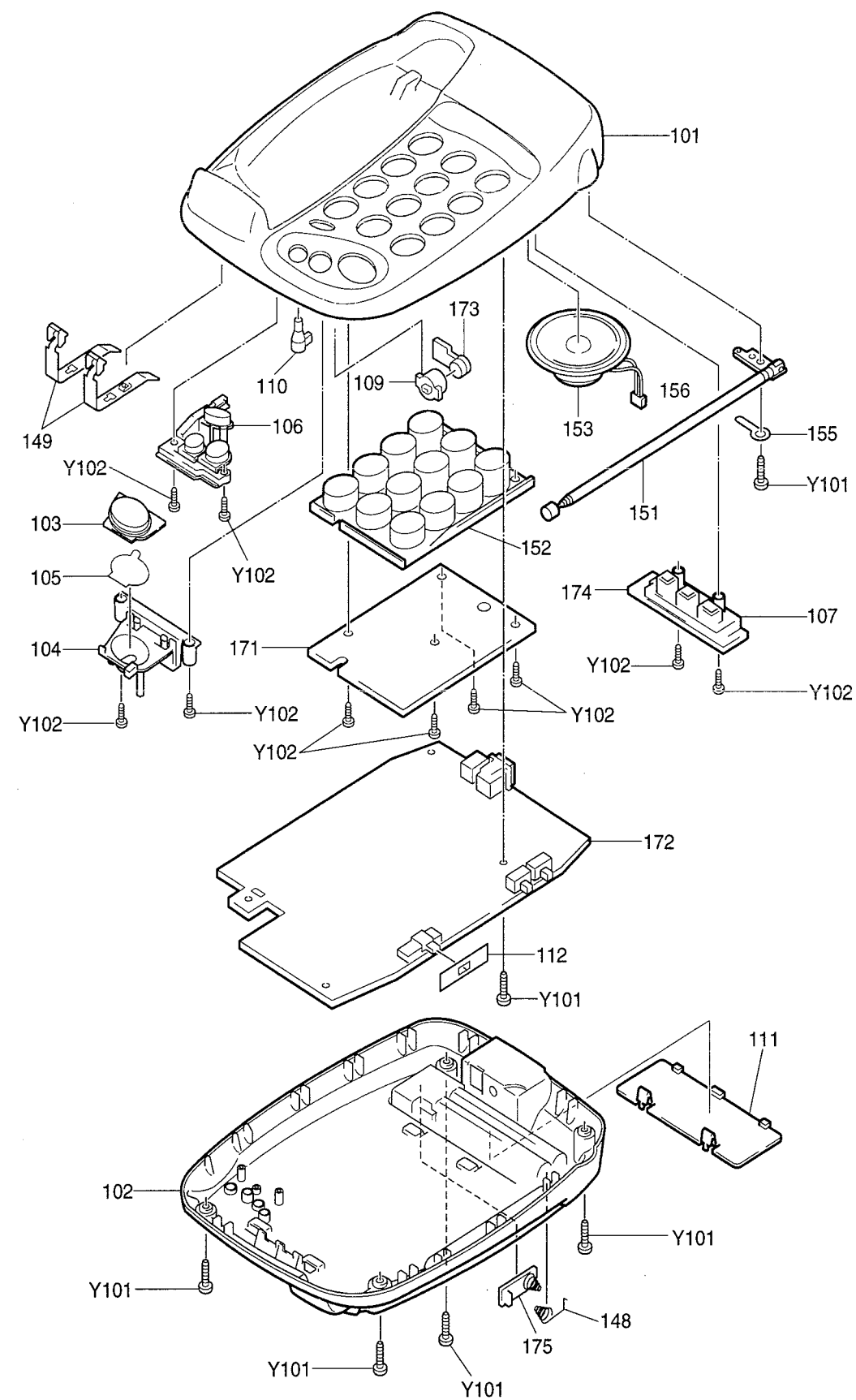
- (1) "DIAL LED":
 - Press "END" key. → lights
 - Press the other key. → turns off
- (2) Volume Control
Volume Control Normal/Loud switch over each time the "MEMORY" key is pressed.
Initial Volume is Loud.
- (3) RX MUTE ON/OFF
RX MUTE ON/OFF switch over each time the CHANNEL key is pressed.
- (4) Key Monitor detection
Each time a key is pressed, the TALK LED lights and the key monitor sounds.

Key monitor inspection mode
Keys are pressed disorderly, and if after all keys (without "INT/PAGE" or "VOICE MAIL" key) have been pressed, the TALK LED lights for approximately 0.5 sec. and a beep is heard.

EXPLODED VIEW (HANDSET)



EXPLODED VIEW (BASE STATION)



PARTS LIST

PRODUCT SAFETY NOTICE

EACH PRECAUTION IN THIS MANUAL SHOULD BE FOLLOWED DURING SERVICING. COMPONENTS IDENTIFIED WITH THE IEC SYMBOL Δ IN THE PARTS LIST AND THE SCHEMATIC DIAGRAM DESIGNATED COMPONENTS IN WHICH SAFETY CAN BE OF SPECIAL SIGNIFICANCE. WHEN REPLACING A COMPONENT IDENTIFIED BY Δ, USE ONLY THE REPLACEMENT PARTS DESIGNATED, OR PARTS WITH THE SAME RATINGS OF RESISTANCE, WATTAGE OR VOLTAGE THAT ARE DESIGNATED IN THE PARTS LIST IN THIS MANUAL. LEAKAGE-CURRENT OR RESISTANCE MEASUREMENTS MUST BE MADE TO DETERMINE THAT EXPOSED PARTS ARE ACCEPTABLY INSULATED FROM THE SUPPLY CIRCUIT BEFORE RETURNING THE PRODUCT TO THE CUSTOMER.

PACKING & ACCESSORIES

REF.NO.	PART NO.	DESCRIPTION
256	Δ 614 222 4922	BATTERY,RECHARGE
	Δ 645 004 7190	ASSY,CABLE,LINE,CORD(CLT-586X)
	Δ 645 026 1572	CABLE MODULE(CLT-586)
	Δ 645 015 0203	CABLE MODULE(CLT-586)
	Δ 645 029 0930	ADAPTOR,AC-D(CLT-586X)
	Δ 645 031 5411	ADAPTOR,AC-D(CLT-586)
	614 299 5853	CARTON CASE,INNER(CLT-586X)
	614 300 5193	CARTON CASE,INNER(CLT-586)
	614 296 6990	CARD,WARRANTY,W-CARD
	614 299 7550	LABEL,CAUTION,HANDSET CABINET REAR(CLT-586X)
	614 300 5438	LABEL,CAUTION,HANDSET CABINET REAR(CLT-586)
	614 295 9435	INSTRUCTION MANUAL(CLT-586X)
	614 300 5230	INSTRUCTION MANUAL(CLT-586)
	614 216 0954	SHEET,SPEED DIAL
	614 295 9442	INSTRUCTION MANUAL SHEET,QUICK GUIDE(CLT-586X)
	614 300 5247	INSTRUCTION MANUAL SHEET,QUICK GUIDE(CLT-586)
	614 299 5990	CUSHION,PAD,REMOTE
	614 299 5907	CARTON,CASE ACCESSORY
	614 287 2598	LABEL,CAUTION BASE CABINET (CLT-586X)
	614 292 9254	LABEL,CAUTION BASE CABINET (CLT-586)
	614 283 2813	CUSHION,PAD,ANT
	614 283 2820	CUSHION,BASE,PAD,BASE
	614 270 4011	HOOK
	614 292 9735	LABEL CAUTION(CLT-586)
	614 273 3011	LABEL CAUTION(CLT-586X)
	614 299 7567	LABEL,POP(CLT-586X)
	614 300 5445	LABEL,POP(CLT-586)

CABINET & CHASSIS

REF.NO.	PART NO.	DESCRIPTION
101	614 299 7161	ASSY,CABINET
102	614 295 9541	ASSY,CABINET,BOTTOM(CLT-586X)
or	614 300 4936	ASSY,CABINET,BOTTOM(CLT-586)
103	614 279 2261	BUTTON,SPEAKER
104	614 279 2766	REFLECTOR,SPEAKER BUTTON
105	614 279 4401	SPACER,SHEET,SPEAKER BUTTON
106	614 279 2278	BUTTON,FLASH/PAGE/REDIAL
107	614 279 2759	REFLECTOR,DEC.PLATE
109	614 241 7928	MOUNT-E,MIC
110	614 279 2360	DEC,WINDOW,PAGE LED
111	614 279 2636	LID,BATTERY
112	614 239 4304	COVER,VOL
148	614 280 3905	TERMINAL,BATTERY,(+)(-)
149	614 258 0202	TERMINAL,CHARGE
201	614 299 7154	ASSY,CABINET
202	614 279 4791	ASSY,LID,BATTERY
203	614 295 9220	ASSY,CABINET,REAR(CLT-586X)
or	614 300 4967	ASSY,CABINET,REAR(CLT-586)
204	614 278 4921	KNOB,SLIDE,RINGER
205	614 278 5416	DEC,SHEET,H/F KEY
207	614 283 2622	NET,SPEAKER,H/F SP
209	614 285 1586	SPACER,SHEET,H/F SP
210	614 278 4945	SPACER,CUSHION,MIC
211	614 233 3242	CUSHION,RUBBER,SPEAKER

REF.NO.	PART NO.	DESCRIPTION
212	614 278 5423	HOLDER,SPEAKER,H/F SP
252	614 278 4846	BUTTON,H/F KEY
251	614 283 6712	BUTTON,RUBBER,DIAL KEY
261	614 278 4952	SPACER,CUSHION,H/F SP

FIXING PARTS

REF.NO.	PART NO.	DESCRIPTION
REF.NO.	PART NO.	DESCRIPTION
Y101	411 021 4005	SCR S-TPG BIN 3X12,
Y102	411 024 3708	SCR S-TPG PAN+FLG 2X6,3P
Y201	411 022 8903	SCR S-TPG PAN 2.3X12,
Y202	411 022 7807	SCR S-TPG PAN 2X6,PWB

ELECTRICAL PARTS

REF.NO.	PART NO.	DESCRIPTION
151	Δ 645 012 3290	ANTENNA,ROD
or	Δ 614 251 4153	ROD ANTENNA
or	Δ 614 228 7118	ANTENNA
152	614 284 4106	BUTTON,RUBBER SWITCH,12KEY
155	614 129 9082	LUG,ANTENNA
156	614 237 1602	ASSY,CONNECTOR-S,FOR SPEAKER
153	645 011 5189	SPEAKER,25
208	614 278 5454	TERMINAL,SHEET SWITCH
253	614 279 7136	BUTTON,RUBBER,H/F KEY
255	614 278 4969	TERMINAL,CHARGE (L)
257	614 299 7284	ASSY,ANTENNA
258	645 019 0506	SP,H/F
259	645 027 4312	EAR SP
260	614 292 9490	CORD,2P CONNECTOR,H/F SP - MAIN PWB
262	614 279 7327	TERMINAL,SHEET SWITCH,H/F KEY
263	614 278 4976	TERMINAL,CHARGE (R)

BASE LED PWB ASSY

REF.NO.	PART NO.	DESCRIPTION
174	614 295 5246	ASSY,PWB BASE LED(CLT-586X),
CN404	645 012 7809	SOCKET,DIP 4P
or	614 237 9776	SOCKET
or	614 035 4935	SOCKET,DIP 4P
D406	408 035 8600	LED SLZ-181B-09H-B-T1
or	408 035 8501	LED SLZ-181B-09H-A-T1
D407	408 035 8600	LED SLZ-181B-09H-B-T1
or	408 035 8501	LED SLZ-181B-09H-A-T1
D409	408 035 8600	LED SLZ-181B-09H-B-T1
or	408 035 8501	LED SLZ-181B-09H-A-T1

BASE MAIN PWB ASSY

REF.NO.	PART NO.	DESCRIPTION
172	614 295 3150	ASSY,PWB,BASE MAIN(CLT-586X)
or	614 300 3786	ASSY,PWB,BASE MAIN(CLT-586)
C101	403 015 3705	CERAMIC 2P C 50V
C102	403 073 9107	CERAMIC 4700P K 50V
C103	403 069 5601	CERAMIC 0.01U K 50V
C105	403 026 2803	CERAMIC 47P J 50V
C112	403 009 5807	CERAMIC 100P J 50V
C113	403 015 3606	CERAMIC 2P C 50V
C114	403 008 7406	CERAMIC 10P D 50V
C115	403 049 2002	ELECT 1U M 50V
C116	403 069 5601	CERAMIC 0.01U K 50V
C117	403 130 3604	CERAMIC 0.047U K 25V
C118	403 200 9703	ELECT 47U M 10V
C201	403 069 5601	CERAMIC 0.01U K 50V

PARTS LIST

REF.NO.	PART NO.	DESCRIPTION
C202	403 200 9703	ELECT 47U M 10V
C204	403 069 5601	CERAMIC 0.01U K 50V
C205	403 012 6808	CERAMIC 15P J 50V
C206	403 009 5708	CERAMIC 100P J 50V
C207	403 028 4102	CERAMIC 56P J 50V
C208	403 026 3305	CERAMIC 47P J 50V
C209	403 009 6002	CERAMIC 100P J 50V
C210	403 012 6808	CERAMIC 15P J 50V
C211	403 069 1702	CERAMIC 1000P K 50V
C213	403 130 3604	CERAMIC 0.047U K 25V
C214	403 200 1103	ELECT 1U M 50V
C215	403 215 1808	CERAMIC 2200P J 50V
C219	403 200 1202	ELECT 2.2U M 50V
C224	403 320 5807	CERAMIC 1U K 10V
C301	403 068 5107	CERAMIC 0.047U Z 25V
C302	403 068 0409	CERAMIC 0.1U Z 25V
C303	403 014 3409	CERAMIC 18P J 50V
C304	403 022 8205	CERAMIC 33P J 50V
C305	403 010 8507	CERAMIC 12P J 50V
C306	403 008 7406	CERAMIC 10P D 50V
C307	403 026 2803	CERAMIC 47P J 50V
C308	403 015 3606	CERAMIC 2P C 50V
C309	403 192 5905	CERAMIC 0.1U K 25V
C310	403 192 5905	CERAMIC 0.1U K 25V
C311	403 008 7505	CERAMIC 10P D 50V
C312	403 071 8102	CERAMIC 2200P K 50V
C314	403 069 5700	CERAMIC 0.01U K 50V
C315	403 130 3604	CERAMIC 0.047U K 25V
C316	403 073 7301	CERAMIC 470P K 50V
C317	403 069 5700	CERAMIC 0.01U K 50V
C318	403 200 9901	ELECT 220U M 10V
C319	403 068 5107	CERAMIC 0.047U Z 25V
C401	403 069 5601	CERAMIC 0.01U K 50V
C402	403 194 4005	ELECT 2200U M 6.3V
C403	403 068 0409	CERAMIC 0.1U Z 25V
C404	403 068 0409	CERAMIC 0.1U Z 25V
C405	403 067 9809	CERAMIC 0.1U K 25V
C406	403 019 2209	CERAMIC 24P J 50V
C407	403 019 2209	CERAMIC 24P J 50V
C408	403 069 5601	CERAMIC 0.01U K 50V
C409	403 068 0409	CERAMIC 0.1U Z 25V
C410	403 038 7407	ELECT 220U M 6.3V
C411	403 069 5700	CERAMIC 0.01U K 50V
C601	403 200 2209	ELECT 0.1U M 50V
C602	403 200 1103	ELECT 1U M 50V
C603	403 074 7706	CERAMIC 5600P K 50V
C604	403 071 8102	CERAMIC 2200P K 50V
C605	403 075 0706	CERAMIC 6800P K 50V
C606	403 200 2605	ELECT 0.47U M 50V
C607	403 116 6605	CERAMIC 0.022U K 50V
C608	403 047 9904	ELECT 0.1U M 50V
C610	403 048 7909	ELECT 0.47U M 50V
C611	403 042 0807	ELECT 10U M 16V
C613	403 031 2201	CERAMIC 680P J 50V
C614	403 117 4600	CERAMIC 1800P J 50V
C615	403 215 1808	CERAMIC 2200P J 50V
C616	403 200 2605	ELECT 0.47U M 50V
C617	403 200 1400	ELECT 4.7U M 50V
C618	403 200 1103	ELECT 1U M 50V
C619	403 192 5905	CERAMIC 0.1U K 25V
C620	403 072 1607	CERAMIC 0.022U K 50V
C622	403 073 0104	CERAMIC 3300P K 50V
C623	403 039 8106	ELECT 100U M 10V
C624	403 023 4503	CERAMIC 330P J 50V
C630	403 011 5000	CERAMIC 120P J 50V
C631	403 215 2003	CERAMIC 3300P J 50V
C633	403 018 9506	CERAMIC 2200P J 50V
C701	403 073 9107	CERAMIC 4700P K 50V
C702	403 073 0104	CERAMIC 3300P K 50V
C703	403 073 9107	CERAMIC 4700P K 50V

REF.NO.	PART NO.	DESCRIPTION
C705	403 018 7502	CERAMIC 220P J 50V
C706	403 069 5601	CERAMIC 0.01U K 50V
C708	403 067 9809	CERAMIC 0.1U K 25V
C709	403 320 5807	CERAMIC 1U K 10V
C710	403 069 5601	CERAMIC 0.01U K 50V
C711	403 192 5905	CERAMIC 0.1U K 25V
C712	403 023 4503	CERAMIC 330P J 50V
C714	403 200 9901	ELECT 220U M 10V
C715	403 072 8606	CERAMIC 330P K 50V
C717	403 069 5700	CERAMIC 0.01U K 50V
C718	403 192 5905	CERAMIC 0.1U K 25V
C719	403 192 5905	CERAMIC 0.1U K 25V
C720	403 200 1103	ELECT 1U M 50V
C721	403 192 5905	CERAMIC 0.1U K 25V
C722	403 200 9802	ELECT 100U M 10V
C723	403 192 5905	CERAMIC 0.1U K 25V
C724	403 200 1103	ELECT 1U M 50V
C725	403 200 9802	ELECT 100U M 10V
C726	403 195 7708	ELECT 10U M 50V
C727	403 200 9802	ELECT 100U M 10V
C728	403 192 5905	CERAMIC 0.1U K 25V
C729	403 200 1103	ELECT 1U M 50V
C730	403 068 0409	CERAMIC 0.1U Z 25V
C731	403 069 5700	CERAMIC 0.01U K 50V
C732	403 200 4807	ELECT 22U M 25V
C733	403 020 5602	CERAMIC 270P J 50V
C734	403 192 5905	CERAMIC 0.1U K 25V
C735	403 067 9809	CERAMIC 0.1U K 25V
C736	403 320 5807	CERAMIC 1U K 10V
C737	403 069 1702	CERAMIC 1000P K 50V
C738	403 073 0104	CERAMIC 3300P K 50V
C739	403 069 5601	CERAMIC 0.01U K 50V
C740	403 069 1702	CERAMIC 1000P K 50V
C741	403 069 1702	CERAMIC 1000P K 50V
C742	403 070 8806	CERAMIC 1500P K 50V
C743	403 067 9809	CERAMIC 0.1U K 25V
C744	403 192 5905	CERAMIC 0.1U K 25V
C745	403 023 4503	CERAMIC 330P J 50V
C746	403 200 1103	ELECT 1U M 50V
C747	403 200 9703	ELECT 47U M 10V
C748	403 067 9809	CERAMIC 0.1U K 25V
C749	403 075 5305	CERAMIC 8200P K 50V
C750	403 192 5905	CERAMIC 0.1U K 25V
C751	403 192 5905	CERAMIC 0.1U K 25V
C752	403 269 5906	CERAMIC 0.22U K 16V
C753	403 039 3200	ELECT 47U M 6.3V
C754	403 238 1205	ELECT 100U M 10V
C755	403 023 4503	CERAMIC 330P J 50V
C756	403 023 4503	CERAMIC 330P J 50V
C757	403 073 7301	CERAMIC 470P K 50V
C758	403 069 5601	CERAMIC 0.01U K 50V
C759	403 069 5601	CERAMIC 0.01U K 50V
C761	403 200 9901	ELECT 220U M 10V
C762	403 192 5905	CERAMIC 0.1U K 25V
C764	403 192 5905	CERAMIC 0.1U K 25V
C765	403 022 5907	CERAMIC 33P J 50V
C766	403 072 8507	CERAMIC 330P K 50V
C767	403 022 8205	CERAMIC 33P J 50V
C770	403 195 7708	ELECT 10U M 50V
C774	403 009 5807	CERAMIC 100P J 50V,CN405-CN405
C775	403 026 7600	CERAMIC 470P J 50V
C776	403 042 9305	ELECT 22U M 16V
C777	403 200 9901	ELECT 220U M 10V
C778	403 049 2002	ELECT 1U M 50V
C779	403 320 5807	CERAMIC 1U K 10V
C780	403 069 1702	CERAMIC 1000P K 50V
C781	403 269 5906	CERAMIC 0.22U K 16V
C782	403 074 7607	CERAMIC 5600P K 50V
C783	403 031 2201	CERAMIC 680P J 50V

PARTS LIST

REF.NO.	PART NO.	DESCRIPTION	REF.NO.	PART NO.	DESCRIPTION
C784	403 071 2902	CERAMIC 1800P K 50V	or	407 111 3805	DIODE MA723-TA
C785	403 067 9304	CERAMIC 0.01U K 25V	D914	407 004 9808	DIODE DSK10E-BT
C787	403 130 4106	CERAMIC 0.068U K 25V	D915	△ 407 099 6904	DO NOT USE MTZJ15A-T-77
C901	△ 403 077 2807	CERAMIC 1000P Z 2K	D916	△ 407 004 9808	DIODE DSK10E-BT
C902	△ 403 077 2807	CERAMIC 1000P Z 2K	D917	△ 407 004 9808	DIODE DSK10E-BT
C903	△ 403 304 4604	MT-POLYEST 0.1U K 250V	D918	△ 407 004 9808	DIODE DSK10E-BT
C904	403 069 5601	CERAMIC 0.01U K 50V	D919	△ 407 004 9808	DIODE DSK10E-BT
C905	403 200 1103	ELECT 1U M 50V	IC101	409 359 9700	IC BU2630F-T1
C908	403 200 8300	ELECT 1000U M 10V	IC301	409 363 1301	IC LA8670ML-TLM
C909	403 200 8201	ELECT 470U M 10V	IC401	410 320 4303	IC UPD75108GF-N35-3BE
C910	403 069 5601	CERAMIC 0.01U K 50V	IC402	409 308 3308	IC MN1380-M
C911	403 069 5601	CERAMIC 0.01U K 50V	or	409 032 3407	IC MN1280-M
C912	403 068 0409	CERAMIC 0.1U Z 25V	IC601	409 248 1204	IC LA8632M-TE-R
C913	403 069 5601	CERAMIC 0.01U K 50V	IC602	409 155 2400	IC BA728F-T1
C914	403 200 9703	ELECT 47U M 10V	IC701	409 199 4705	IC MC14066BF-R
C915	403 069 1702	CERAMIC 1000P K 50V	or	409 285 8709	IC MC14066BD-R2
C917	403 069 5601	CERAMIC 0.01U K 50V	IC702	409 199 4705	IC MC14066BF-R
C918	403 069 5601	CERAMIC 0.01U K 50V	or	409 285 8709	IC MC14066BD-R2
C919	△ 403 077 2807	CERAMIC 1000P Z 2K	IC703	409 356 2506	IC NJM2113D
C920	403 195 7708	ELECT 10U M 50V	or	409 255 1808	IC MC34119P
CN401	614 231 2759	DIP MATE SOCKET	IC705	409 138 2502	IC LC7366NMTP-T1
or	645 012 2750	SOCKET,DIP 10P	IC706	409 367 0508	IC MC33219AP
or	645 012 7861	SOCKET,DIP 10P	IC801	△ 409 114 2700	IC BA6566
CN403	614 035 4935	SOCKET,DIP 4P	IC901	△ 409 040 7404	IC PC814
or	645 012 7809	SOCKET,DIP 4P	or	△ 407 121 1204	PHOTO COUPLE PS2505-1
or	614 237 9776	SOCKET	or	△ 409 204 4607	IC TLP520-GB
CN702	614 035 4911	SOCKET,DIP 2P	IC902	409 308 3605	IC MN1380-U
or	645 012 7786	SOCKET,DIP 2P	or	409 224 4809	IC MN1280-U
or	614 237 9752	SOCKET	L101	614 028 3600	FILTER
CN703	645 014 9801	PLUG,2P	L102	645 001 4581	INDUCTOR,100U K
or	645 004 2683	PLUG,2P	L901	△ 645 003 5814	INDUCTOR,100U J
CN901	△ 614 253 9286	SOCKET	L902	△ 645 003 5814	INDUCTOR,100U J
CN902	614 253 0931	JACK	L903	614 027 6992	CHOKE
or	614 035 9091	SOCKET	L904	645 004 0382	INDUCTOR,22U K
CN903	645 014 9801	PLUG,2P	L905	645 004 0382	INDUCTOR,22U K
or	645 004 2683	PLUG,2P	L906	645 004 0382	INDUCTOR,22U K
CT101	645 012 7731	TRIMMER,11PF	Q101	405 045 9108	TR 2SK543-4-TB
or	614 007 6356	TRIMMER	Q201	405 012 9407	TR 2SC2058S-TP-P
D101	407 157 0202	VARACTOR DI HVU202-30-TRF	Q202	405 012 9407	TR 2SC2058S-TP-P
D201	407 176 3604	VARACTOR DI HVU350-TRF	Q204	405 006 1806	TR 2SA933S-TP-R
D401	407 012 4406	DIODE 1SS133-T-77	or	405 143 6504	TR KTA1267-GR-AT
D402	407 012 4406	DIODE 1SS133-T-77	Q301	405 014 4509	TR 2SC2412K-T96-R
D403	407 099 5303	ZENER DIODE MTZJ-T-775.6B	or	405 146 2206	TR KTC3875-GR-RTK
D404	408 035 8600	LED SLZ-181B-09H-B-T1	Q401	405 011 8609	TR 2SC1740S-TP-S
or	408 035 8501	LED SLZ-181B-09H-A-T1	or	405 143 8706	TR KTC3199-GR-AT
D405	408 024 1100	LED SLZ-136C-14-AB-T2	Q402	405 018 0101	TR 2SC3331-T-AA
D408	408 035 8600	LED SLZ-181B-09H-B-T1	Q702	405 014 4509	TR 2SC2412K-T96-R
or	408 035 8501	LED SLZ-181B-09H-A-T1	or	405 146 2206	TR KTC3875-GR-RTK
D410	407 012 4406	DIODE 1SS133-T-77	Q703	405 011 8609	TR 2SC1740S-TP-S
D411	407 012 4406	DIODE 1SS133-T-77	or	405 143 8706	TR KTC3199-GR-AT
D702	407 012 4406	DIODE 1SS133-T-77	Q704	405 014 4509	TR 2SC2412K-T96-R
D703	407 012 4406	DIODE 1SS133-T-77	or	405 146 2206	TR KTC3875-GR-RTK
D706	407 172 9907	ZENER DIODE MTZJ4.7B-T-77	Q705	405 006 1806	TR 2SA933S-TP-R
D770	407 099 5402	ZENER DIODE MTZJ6.2B-T-77	or	405 143 6504	TR KTA1267-GR-AT
D901	△ 407 078 2101	ZENER DIODE MTZ-T-7739C	Q708	405 011 8609	TR 2SC1740S-TP-S
or	△ 407 078 2002	ZENER DIODE MTZ-T-7739B	or	405 143 8706	TR KTC3199-GR-AT
or	△ 407 078 1906	ZENER DIODE MTZ-T-7739A	Q710	405 011 8609	TR 2SC1740S-TP-S
D902	△ 407 078 2101	ZENER DIODE MTZ-T-7739C	or	405 143 8706	TR KTC3199-GR-AT
or	△ 407 078 2002	ZENER DIODE MTZ-T-7739B	Q711	405 011 8609	TR 2SC1740S-TP-S
or	△ 407 078 1906	ZENER DIODE MTZ-T-7739A	or	405 143 8706	TR KTC3199-GR-AT
D903	407 012 4406	DIODE 1SS133-T-77	Q712	405 006 1806	TR 2SA933S-TP-R
D904	407 063 9504	ZENER DIODE MTZJ8.2B-T-77	or	405 143 6504	TR KTA1267-GR-AT
D905	407 012 4406	DIODE 1SS133-T-77	Q750	405 014 4509	TR 2SC2412K-T96-R
D906	407 012 4406	DIODE 1SS133-T-77	or	405 146 2206	TR KTC3875-GR-RTK
D907	407 063 9108	ZENER DIODE MTZJ6.8B-T-77	Q751	405 014 4509	TR 2SC2412K-T96-R
D908	407 012 4406	DIODE 1SS133-T-77	or	405 146 2206	TR KTC3875-GR-RTK
D912	407 004 9808	DIODE DSK10E-BT	Q901	405 011 8609	TR 2SC1740S-TP-S
D913	407 150 7703	DIODE RB441Q T-77	or	405 143 8706	TR KTC3199-GR-AT

PARTS LIST

REF.NO.	PART NO.	DESCRIPTION	REF.NO.	PART NO.	DESCRIPTION
Q902	405 014 4509	TR 2SC2412K-T96-R	R431	401 037 5707	MT-GLAZE 100K JA 1/10W
or	405 146 2206	TR KTC3875-GR-RTK	R432	401 037 5608	MT-GLAZE 10K JA 1/10W
Q903	405 002 0308	TR 2SA1037K-T96-R	R433	401 038 6406	MT-GLAZE 4.7K JA 1/10W
or	405 147 2007	TR KTA1298-Y-RTK	R434	401 038 6406	MT-GLAZE 4.7K JA 1/10W
Q904	405 018 0101	TR 2SC3331-T-AA	R435	401 038 6406	MT-GLAZE 4.7K JA 1/10W
Q908	405 023 5306	TR 2SD400-F-MP	R436	401 037 5707	MT-GLAZE 100K JA 1/10W
or	405 147 2106	TR KTC3205-Y-AT	R437	401 035 4900	MT-GLAZE 1K JA 1/8W
Q912	405 018 0101	TR 2SC3331-T-AA	R438	401 037 5707	MT-GLAZE 100K JA 1/10W
R101	401 038 0602	MT-GLAZE 220 JA 1/10W	R439	401 038 6406	MT-GLAZE 4.7K JA 1/10W
R102	401 038 3504	MT-GLAZE 330 JA 1/10W	R440	401 037 5103	MT-GLAZE 10 JA 1/10W
R105	401 038 3504	MT-GLAZE 330 JA 1/10W	R441	401 037 5103	MT-GLAZE 10 JA 1/10W
R106	401 037 7909	MT-GLAZE 1.5K JA 1/10W	R462	401 038 0909	MT-GLAZE 220K JA 1/10W
R107	401 037 5608	MT-GLAZE 10K JA 1/10W	R499	401 012 6903	CARBON 10K JA 1/4W
R110	401 037 5707	MT-GLAZE 100K JA 1/10W	R601	401 038 0800	MT-GLAZE 22K JA 1/10W
R114	401 038 9209	MT-GLAZE 6.8K JA 1/10W	R602	401 037 6803	MT-GLAZE 12K JA 1/10W
R115	401 037 0108	MT-GLAZE 5.6K JA 1/8W	R603	401 038 6505	MT-GLAZE 47K JA 1/10W
R116	401 038 7700	MT-GLAZE 5.6K JA 1/10W	R604	401 037 6902	MT-GLAZE 120K JA 1/10W
R117	401 037 0108	MT-GLAZE 5.6K JA 1/8W	R605	401 038 3603	MT-GLAZE 3.3K JA 1/10W
R121	401 037 5202	MT-GLAZE 100 JA 1/10W	R607	401 036 1700	MT-GLAZE 22K JA 1/8W
R201	401 037 5103	MT-GLAZE 10 JA 1/10W	R608	401 012 4404	CARBON 100 JA 1/4W
R203	401 038 6505	MT-GLAZE 47K JA 1/10W	R609	401 037 9309	MT-GLAZE 18K JA 1/10W
R204	401 037 5202	MT-GLAZE 100 JA 1/10W	R610	401 037 9309	MT-GLAZE 18K JA 1/10W
R206	401 037 5400	MT-GLAZE 1K JA 1/10W	R611	401 038 0800	MT-GLAZE 22K JA 1/10W
R207	401 038 9308	MT-GLAZE 68K JA 1/10W	R612	401 038 0800	MT-GLAZE 22K JA 1/10W
R209	401 037 5400	MT-GLAZE 1K JA 1/10W	R613	401 038 3603	MT-GLAZE 3.3K JA 1/10W
R210	401 037 5707	MT-GLAZE 100K JA 1/10W	R614	401 012 4404	CARBON 100 JA 1/4W
R212	401 038 3702	MT-GLAZE 33K JA 1/10W	R615	401 037 5608	MT-GLAZE 10K JA 1/10W
R213	401 014 4006	CARBON 1.5K JA 1/4W	R616	401 038 6505	MT-GLAZE 47K JA 1/10W
R214	401 038 9209	MT-GLAZE 6.8K JA 1/10W	R617	401 037 3901	MT-GALZE 82K JA 1/8W
R215	401 038 6505	MT-GLAZE 47K JA 1/10W	R618	401 035 5402	MT-GLAZE 100K JA 1/8W
R216	401 037 5608	MT-GLAZE 10K JA 1/10W	R619	401 037 5608	MT-GLAZE 10K JA 1/10W
R217	401 038 3603	MT-GLAZE 3.3K JA 1/10W	R620	401 038 7809	MT-GLAZE 56K JA 1/10W
R221	401 038 3405	MT-GLAZE 33 JA 1/10W	R623	401 037 5707	MT-GLAZE 100K JA 1/10W
R301	401 038 3603	MT-GLAZE 3.3K JA 1/10W	R630	401 038 3702	MT-GLAZE 33K JA 1/10W
R302	401 038 0701	MT-GLAZE 2.2K JA 1/10W	R631	401 039 0502	MT-GLAZE 82K JA 1/10W
R303	401 038 0909	MT-GLAZE 220K JA 1/10W	R632	401 037 9309	MT-GLAZE 18K JA 1/10W
R304	401 038 2200	MT-GLAZE 27K JA 1/10W	R700	401 037 9200	MT-GLAZE 1.8K JA 1/10W
R305	401 038 7809	MT-GLAZE 56K JA 1/10W	R701	401 039 0403	MT-GLAZE 8.2K JA 1/10W
R307	401 018 2701	CARBON 330 JA 1/4W	R702	401 037 8104	MT-GLAZE 150K JA 1/10W
R310	401 037 5400	MT-GLAZE 1K JA 1/10W	R703	401 038 6505	MT-GLAZE 47K JA 1/10W
R401	401 038 6406	MT-GLAZE 4.7K JA 1/10W	R704	401 039 0403	MT-GLAZE 8.2K JA 1/10W
R402	401 038 6406	MT-GLAZE 4.7K JA 1/10W	R706	401 038 7908	MT-GLAZE 560K JA 1/10W
R403	401 037 5608	MT-GLAZE 10K JA 1/10W	R707	401 037 6902	MT-GLAZE 120K JA 1/10W
R404	401 037 5608	MT-GLAZE 10K JA 1/10W	R708	401 035 7901	MT-GLAZE 1.5K JA 1/8W
R405	401 035 5402	MT-GLAZE 100K JA 1/8W	R709	401 038 3603	MT-GLAZE 3.3K JA 1/10W
R406	401 037 5707	MT-GLAZE 100K JA 1/10W	R710	401 039 0403	MT-GLAZE 8.2K JA 1/10W
R407	401 038 0909	MT-GLAZE 220K JA 1/10W	R711	401 038 6604	MT-GLAZE 470K JA 1/10W
R408	401 037 5707	MT-GLAZE 100K JA 1/10W	R712	401 037 8203	MT-GLAZE 1.5M JA 1/10W
R409	401 036 8501	MT-GLAZE 47K JA 1/8W	R713	401 038 7908	MT-GLAZE 560K JA 1/10W
R410	401 037 5608	MT-GLAZE 10K JA 1/10W	R715	401 035 5402	MT-GLAZE 100K JA 1/8W
R411	401 037 5400	MT-GLAZE 1K JA 1/10W	R717	401 035 5402	MT-GLAZE 100K JA 1/8W
R412	401 037 5707	MT-GLAZE 100K JA 1/10W	R718	401 037 2300	MT-GLAZE 68K JA 1/8W
R413	401 037 5707	MT-GLAZE 100K JA 1/10W	R719	401 036 5104	MT-GLAZE 33K JA 1/8W
R414	401 038 7601	MT-GLAZE 560 JA 1/10W	R720	401 018 1506	CARBON 33 JA 1/4W
R415	401 038 7601	MT-GLAZE 560 JA 1/10W	R721	401 037 5707	MT-GLAZE 100K JA 1/10W
R416	401 037 5707	MT-GLAZE 100K JA 1/10W	R722	401 037 6902	MT-GLAZE 120K JA 1/10W
R417	401 037 5707	MT-GLAZE 100K JA 1/10W	R723	401 039 0502	MT-GLAZE 82K JA 1/10W
R418	401 037 5707	MT-GLAZE 100K JA 1/10W	R724	401 037 5707	MT-GLAZE 100K JA 1/10W
R419	401 037 5707	MT-GLAZE 100K JA 1/10W	R725	401 037 5806	MT-GLAZE 1M JA 1/10W
R420	401 037 5707	MT-GLAZE 100K JA 1/10W	R727	401 037 9309	MT-GLAZE 18K JA 1/10W
R421	401 038 6406	MT-GLAZE 4.7K JA 1/10W	R730	401 036 8303	MT-GLAZE 4.7K JA 1/8W
R422	401 036 9904	MT-GLAZE 560 JA 1/8W	R731	401 035 5204	MT-GLAZE 10K JA 1/8W
R423	401 037 9101	MT-GLAZE 180 JA 1/10W	R732	401 037 5707	MT-GLAZE 100K JA 1/10W
R424	401 037 5707	MT-GLAZE 100K JA 1/10W	R733	401 037 8005	MT-GLAZE 15K JA 1/10W
R425	401 038 7601	MT-GLAZE 560 JA 1/10W	R734	401 037 5707	MT-GLAZE 100K JA 1/10W
R426	401 036 1908	MT-GLAZE 220K JA 1/8W	R735	401 037 5707	MT-GLAZE 100K JA 1/10W
R427	401 037 5608	MT-GLAZE 10K JA 1/10W	R736	401 036 1700	MT-GLAZE 22K JA 1/8W
R428	401 037 5608	MT-GLAZE 10K JA 1/10W	R737	401 039 0502	MT-GLAZE 82

PARTS LIST

REF.NO.	PART NO.	DESCRIPTION
R739	401 037 6605	MT-GLAZE 120 JA 1/10W
R740	401 037 5400	MT-GLAZE 1K JA 1/10W
R741	401 038 0701	MT-GLAZE 2.2K JA 1/10W
R742	401 038 7700	MT-GLAZE 5.6K JA 1/10W
R743	401 037 9408	MT-GLAZE 180K JA 1/10W
R745	401 035 5204	MT-GLAZE 10K JA 1/8W
R746	401 037 2300	MT-GLAZE 68K JA 1/8W
R747	401 036 1601	MT-GLAZE 2.2K JA 1/8W
R750	401 035 5402	MT-GLAZE 100K JA 1/8W
R751	401 038 0701	MT-GLAZE 2.2K JA 1/10W
R752	401 037 5608	MT-GLAZE 10K JA 1/10W
R753	401 038 3801	MT-GLAZE 330K JA 1/10W
R754	401 037 5608	MT-GLAZE 10K JA 1/10W
R755	401 038 3801	MT-GLAZE 330K JA 1/10W
R757	401 038 0602	MT-GLAZE 220 JA 1/10W
R758	401 038 7809	MT-GLAZE 56K JA 1/10W
R761	401 038 6505	MT-GLAZE 47K JA 1/10W
R762	401 038 6604	MT-GLAZE 470K JA 1/10W
R763	401 037 7800	MT-GLAZE 150 JA 1/10W
R764	401 038 5102	MT-GLAZE 3.9K JA 1/10W
R765	401 038 9209	MT-GLAZE 6.8K JA 1/10W
R766	401 038 5102	MT-GLAZE 3.9K JA 1/10W
R767	401 037 5707	MT-GLAZE 100K JA 1/10W
R768	401 038 3504	MT-GLAZE 330 JA 1/10W
R769	401 038 7700	MT-GLAZE 5.6K JA 1/10W
R770	401 037 5608	MT-GLAZE 10K JA 1/10W
R772	401 038 9308	MT-GLAZE 68K JA 1/10W
R773	401 038 0701	MT-GLAZE 2.2K JA 1/10W
R774	401 038 9407	MT-GLAZE 680K JA 1/10W
R775	401 037 5400	MT-GLAZE 1K JA 1/10W
R776	401 038 6208	MT-GLAZE 47 JA 1/10W
R777	401 037 0108	MT-GLAZE 5.6K JA 1/8W
R778	401 037 8104	MT-GLAZE 150K JA 1/10W
R779	401 037 5608	MT-GLAZE 10K JA 1/10W
R780	401 015 4609	CARBON 180K JA 1/4W
R781	401 036 3308	MT-GLAZE 270K JA 1/8W
R782	401 037 5400	MT-GLAZE 1K JA 1/10W
R783	401 037 7909	MT-GLAZE 1.5K JA 1/10W
R784	401 038 6307	MT-GLAZE 470 JA 1/10W
R785	401 038 3603	MT-GLAZE 3.3K JA 1/10W
R787	401 038 0602	MT-GLAZE 220 JA 1/10W
R788	401 038 3603	MT-GLAZE 3.3K JA 1/10W
R790	401 038 9001	MT-GLAZE 680 JA 1/10W
R791	Δ 402 048 4901	RESISTOR 47 J- 1W
R792	401 037 6803	MT-GLAZE 12K JA 1/10W
R793	401 037 6803	MT-GLAZE 12K JA 1/10W
R794	401 038 9308	MT-GLAZE 68K JA 1/10W
R795	401 035 5402	MT-GLAZE 100K JA 1/8W
R796	401 037 7909	MT-GLAZE 1.5K JA 1/10W
R800	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R801	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
R803	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R804	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R805	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R810	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
R811	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
R812	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
R818	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
R819	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
R820	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
R854	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R858	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
R859	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R861	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
R863	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
R864	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
R866	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
R867	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R869	401 035 4108	MT-GLAZE 0.000 ZA 1/8W

REF.NO.	PART NO.	DESCRIPTION
R870	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R871	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
R873	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
R874	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R875	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R876	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
R878	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
R881	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
R885	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R886	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R887	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
R888	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R889	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R890	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R891	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
R892	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R893	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R895	Δ 401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R896	Δ 401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R902	Δ 401 016 4707	CARBON 22K JA 1/4W
R903	401 037 5707	MT-GLAZE 100K JA 1/10W
R904	401 038 6505	MT-GLAZE 47K JA 1/10W
R905	401 038 6505	MT-GLAZE 47K JA 1/10W
R906	401 038 0701	MT-GLAZE 2.2K JA 1/10W
R907	401 037 5608	MT-GLAZE 10K JA 1/10W
R908	401 038 3504	MT-GLAZE 330 JA 1/10W
R909	401 037 0108	MT-GLAZE 5.6K JA 1/8W
R910	401 110 8601	MT-GLAZE 1 JA 1/10W
R911	Δ 402 048 4901	RESISTOR 47 J- 1W
R915	401 038 3504	MT-GLAZE 330 JA 1/10W
R917	401 037 5707	MT-GLAZE 100K JA 1/10W
R925	401 019 9501	CARBON 47 JA 1/4W
R927	401 037 5608	MT-GLAZE 10K JA 1/10W
R929	401 038 3504	MT-GLAZE 330 JA 1/10W
R931	401 037 5608	MT-GLAZE 10K JA 1/10W
RY901	Δ 614 252 6750	RELAY
S402	645 028 1082	SWITCH,SLIDE
or	614 253 0948	SWITCH,SLIDE
or	614 234 8642	SWITCH,SLIDE
S403	645 030 0998	SWITCH,PUSH
or	614 220 5518	SWITCH,TACT
S404	614 220 5518	SWITCH,TACT
or	645 030 0998	SWITCH,PUSH
S405	614 220 5518	SWITCH,TACT
or	645 030 0998	SWITCH,PUSH
S420	614 220 5518	SWITCH,TACT
or	645 030 0998	SWITCH,PUSH
S902	614 234 8642	SWITCH,SLIDE
or	614 253 0948	SWITCH,SLIDE
or	645 028 1082	SWITCH,SLIDE
S903	614 234 8642	SWITCH,SLIDE
or	614 253 0948	SWITCH,SLIDE
or	645 028 1082	SWITCH,SLIDE
SG901	Δ 645 025 3331	SURGE-ABSORBER
T101	614 252 7580	TRANS,RF
T102	614 252 7504	TRANS,OSC
T201	614 252 7597	TRANS,RF
T202	614 252 7511	TRANS,OSC
T301	645 016 1148	TRANS,IF 455KHZ
T701	Δ 645 012 6093	TRANS,ISOLATE
T702	Δ 645 012 6093	TRANS,ISOLATE
VR301	614 250 7285	POTENTIOMETER
or	645 022 9510	VR,SEMI,100K N
VR302	614 250 7278	POTENTIOMETER
or	645 022 9602	VR,SEMI,50K N
VR601	614 250 7278	POTENTIOMETER
or	645 022 9602	VR,SEMI,50K N
VR701	614 232 4943	VR,SLIDE

PARTS LIST

REF.NO.	PART NO.	DESCRIPTION
X101	614 231 4326	RESONATOR,XTAL
X401	645 018 0958	OSC,CRYSTAL 3.579545MHZ
XF101	614 265 3586	FILTER,LC
XF301	614 030 5074	I.F FILTER
or	614 030 5081	I.F FILTER
or	614 030 5098	I.F FILTER
or	614 030 5104	I.F FILTER
XF302	614 261 3771	FILTER

BASE MIC PWB ASSY

REF.NO.	PART NO.	DESCRIPTION
173	614 295 5239	ASSY,PWB BASE MIC,BASE MIC
CN701	614 035 4911	SOCKET,DIP 2P
or	645 012 7786	SOCKET,DIP 2P
or	614 237 9752	SOCKET
D701	407 099 6102	ZENER DIODE MTZJ10B-T-77
MIC01	614 245 4275	MICROPHONE

BASE BATT PWB ASSY

REF.NO.	PART NO.	DESCRIPTION
175	614 295 5253	ASSY,PWB BASE BATT
CN904	614 035 4911	SOCKET,DIP 2P
or	645 012 7786	SOCKET,DIP 2P
or	614 237 9752	SOCKET
CN907	614 283 2660	CORD,2P CONNECTOR,FOR_BATT
CN908	614 248 6825	TERMINAL

REMOTE MAIN PWB ASSY

REF.NO.	PART NO.	DESCRIPTION
272	614 295 6380	ASSY,PWB
C001	403 207 0505	CERAMIC 0.47U Z 16V
C002	403 201 1706	ELECT 470U M 6.3V
C004	403 207 0505	CERAMIC 0.47U Z 16V
C005	403 014 3409	CERAMIC 18P J 50V
C006	403 014 3409	CERAMIC 18P J 50V
C007	403 207 0505	CERAMIC 0.47U Z 16V
C008	403 192 5905	CERAMIC 0.1U K 25V
C009	403 069 5700	CERAMIC 0.01U K 50V
C010	403 008 7406	CERAMIC 10P D 50V
C011	403 008 8007	CERAMIC 10P D 50V
C012	403 008 8007	CERAMIC 10P D 50V
C013	403 008 8007	CERAMIC 10P D 50V
C020	403 012 6808	CERAMIC 15P J 50V
C021	403 012 6808	CERAMIC 15P J 50V
C150	403 008 7406	CERAMIC 10P D 50V
C151	403 073 9107	CERAMIC 4700P K 50V
C152	403 067 9304	CERAMIC 0.01U K 25V
C153	403 021 0200	CERAMIC 3P C 50V
C154	403 130 3604	CERAMIC 0.047U K 25V
C155	403 299 1602	CERAMIC 1U K 16V
C156	403 067 9304	CERAMIC 0.01U K 25V
C157	403 015 3606	CERAMIC 2P C 50V
C158	403 010 8507	CERAMIC 12P J 50V
C159	403 067 9304	CERAMIC 0.01U K 25V
C160	403 268 6508	ELECT 10U M 16V
C164	403 022 8205	CERAMIC 33P J 50V
C165	403 025 2101	CERAMIC 4P C 50V
C251	403 130 3604	CERAMIC 0.047U K 25V
C252	403 067 9304	CERAMIC 0.01U K 25V
C254	403 067 9304	CERAMIC 0.01U K 25V
C255	403 026 2803	CERAMIC 47P J 50V
C256	403 026 2803	CERAMIC 47P J 50V
C257	403 038 2709	ELECT 100U M 6.3V
C258	403 026 3305	CERAMIC 47P J 50V
C259	403 067 9304	CERAMIC 0.01U K 25V
C260	403 009 5708	CERAMIC 100P J 50V
C261	403 130 3604	CERAMIC 0.047U K 25V
C262	403 018 0503	CERAMIC 22P J 50V
C263	403 067 9304	CERAMIC 0.01U K 25V
C264	403 009 6002	CERAMIC 100P J 50V

REF.NO.	PART NO.	DESCRIPTION
C265	403 321 9408	TA-SOLID 2.2U M 10V
or	403 114 5402	TA-SOLID 2.2U M 10V
C273	403 018 0503	CERAMIC 22P J 50V
C275	403 021 0200	CERAMIC 3P C 50V
C350	403 069 5601	CERAMIC 0.01U K 50V
C351	403 134 7400	CERAMIC 1U Z 16V
C352	403 068 0409	CERAMIC 0.1U Z 25V
C353	403 068 0409	CERAMIC 0.1U Z 25V
C354	403 068 0409	CERAMIC 0.1U Z 25V
C355	403 268 6508	ELECT 10U M 16V
C356	403 067 9304	CERAMIC 0.01U K 25V
C358	403 192 5905	CERAMIC 0.1U K 25V
C611	403 011 5000	CERAMIC 120P J 50V
C612	403 013 5800	CERAMIC 1500P J 50V
C613	403 215 1808	CERAMIC 2200P J 50V
C623	403 207 0307	CERAMIC 1U Z 16V
C650	403 192 5905	CERAMIC 0.1U K 25V
C651	403 020 0409	CERAMIC 27P J 50V
C652	403 207 0307	CERAMIC 1U Z 16V
C653	403 149 7303	CERAMIC 0.47U Z 16V
C654	403 192 5905	CERAMIC 0.1U K 25V
C655	403 075 5305	CERAMIC 8200P K 50V
C656	403 071 8102	CERAMIC 2200P K 50V
C657	403 023 4503	CERAMIC 330P J 50V
C658	403 149 7303	CERAMIC 0.47U Z 16V
C659	403 207 0307	CERAMIC 1U Z 16V
C660	403 018 7502	CERAMIC 220P J 50V
C661	403 192 5905	CERAMIC 0.1U K 25V
C662	403 068 1000	CERAMIC 0.012U K 25V
C663	403 073 0005	CERAMIC 3300P K 50V
C664	403 068 0409	CERAMIC 0.1U Z 25V
C665	403 269 5906	CERAMIC 0.22U K 16V
C666	403 073 9107	CERAMIC 4700P K 50V
C667	403 130 3604	CERAMIC 0.047U K 25V
C668	403 207 0307	CERAMIC 1U Z 16V
C669	403 192 5905	CERAMIC 0.1U K 25V
C670	403 071 8102	CERAMIC 2200P K 50V
C671	403 276 7603	TA0SOLID 3.3U M 10V
C672	403 073 4201	CERAMIC 3900P K 50V
C673	403 069 1702	CERAMIC 1000P K 50V
C674	403 192 5905	CERAMIC 0.1U K 25V
C675	403 009 5807	CERAMIC 100P J 50V
C676	403 192 5905	CERAMIC 0.1U K 25V
C677	403 026 2803	CERAMIC 47P J 50V
C680	403 073 0005	CERAMIC 3300P K 50V
C681	403 067 9304	CERAMIC 0.01U K 25V
C682	403 071 8102	CERAMIC 2200P K 50V
C683	403 074 9502	CERAMIC 680P K 50V
C684	403 192 5905	CERAMIC 0.1U K 25V
C689	403 268 6508	ELECT 10U M 16V
C690	403 200 9703	ELECT 47U M 10V
C691	403 192 5905	CERAMIC 0.1U K 25V
C692	403 207 0307	CERAMIC 1U Z 16V
C693	403 192 5905	CERAMIC 0.1U K 25V
C694	403 069 1702	CERAMIC 1000P K 50V
C695	403 215 1808	CERAMIC 2200P J 50V
C699	403 207 0307	CERAMIC 1U Z 16V
CN001	645 017 8894	PLUG,2P
or	614 214 4305	PLUG
or	645 028 5905	PLUG,2P
CN004	645 028 5905	PLUG,2P
or	645 007 0051	PLUG,2P
or	645 005 7366	PLUG,2P
CT151	645 012 7731	TRIMMER,11PF
or	614 007 6356	TRIMMER
0004	407 117 5001	LED BR1102W-TR
0005	407 117 5001	LED BR1102W-TR
0006	407 163 7301	LED PY1101W-TR
0007	407 163 7301	LED PY1101W-TR

PARTS LIST

REF.NO.	PART NO.	DESCRIPTION
D008	407 163 7301	LED PY1101W-TR
D009	407 163 7301	LED PY1101W-TR
D251	407 176 3604	VARACTOR DI HVU350-TRF
D660	407 204 8601	DIODE KDS181-RTK
or	407 003 4507	DIODE DAP202K-T146
IC001	410 313 0701	IC UPD750008GB-E80-3BSMTX
IC002	409 355 7809	IC PST9134N-R
IC003	409 363 3503	IC PST9129N-R
IC351	409 375 6608	IC MC13109FTA
IC653	409 155 2400	IC BA728F-T1
IC690	409 345 1008	IC NJM2113M-TE1
L001	614 249 7715	INDUCTOR 0.47UH M
L151	614 028 3594	FILTER
L152	614 248 6412	INDUCTOR 0.22UH M
L153	614 249 7715	INDUCTOR 0.47UH M
Q001	405 008 7509	TR 2SB815-B6-TB
or	405 080 2409	TR 2SB624-BV5-T1
or	405 007 7708	TR 2SB624-T1-BV4
or	405 147 2007	TR KTA1298-Y-RTK
Q002	405 005 5508	TR 2SA812-M6-T1B
or	405 002 6706	TR 2SA1179-M6-TB
or	405 002 0308	TR 2SA1037K-T96-R
or	405 146 9700	TR KTA1504-GR-RTH
Q003	405 008 7509	TR 2SB815-B6-TB
or	405 080 2409	TR 2SB624-BV5-T1
or	405 007 7708	TR 2SB624-T1-BV4
or	405 147 2007	TR KTA1298-Y-RTK
Q006	405 005 5508	TR 2SA812-M6-T1B
or	405 002 6706	TR 2SA1179-M6-TB
or	405 002 0308	TR 2SA1037K-T96-R
or	405 146 9700	TR KTA1504-GR-RTH
Q151	405 045 9108	TR 2SK543-4-TB
Q251	405 015 9701	TR 2SC2814-F4
Q252	405 015 9701	TR 2SC2814-F4
Q253	405 015 9701	TR 2SC2814-F4
Q651	405 146 1605	TR KRC102S
or	405 000 2908	TR DTC114EK-T96
Q661	405 015 8704	TR 2SC2812-L6-TB
or	405 014 4509	TR 2SC2412K-T96-R
or	405 146 2206	TR KTC3875-GR-RTK
Q680	405 015 8704	TR 2SC2812-L6-TB
or	405 014 4509	TR 2SC2412K-T96-R
or	405 146 2206	TR KTC3875-GR-RTK
Q690	405 147 2007	TR KTA1298-Y-RTK
or	405 008 7509	TR 2SB815-B6-TB
or	405 080 2409	TR 2SB624-BV5-T1
or	405 007 7708	TR 2SB624-T1-BV4
R002	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R003	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R004	401 039 0304	MT-GLAZE 820 JA 1/10W
R008	401 038 0909	MT-GLAZE 220K JA 1/10W
R010	401 037 5707	MT-GLAZE 100K JA 1/10W
R011	401 037 5707	MT-GLAZE 100K JA 1/10W
R012	401 037 5707	MT-GLAZE 100K JA 1/10W
R013	401 037 5707	MT-GLAZE 100K JA 1/10W
R014	401 037 5707	MT-GLAZE 100K JA 1/10W
R015	401 038 0800	MT-GLAZE 22K JA 1/10W
R017	401 035 5204	MT-GLAZE 10K JA 1/8W
R019	401 038 0909	MT-GLAZE 220K JA 1/10W
R020	401 038 3603	MT-GLAZE 3.3K JA 1/10W
R021	401 038 0909	MT-GLAZE 220K JA 1/10W
R022	401 038 3603	MT-GLAZE 3.3K JA 1/10W
R024	401 039 0304	MT-GLAZE 820 JA 1/10W
R025	401 038 0701	MT-GLAZE 2.2K JA 1/10W
R026	401 037 5202	MT-GLAZE 100 JA 1/10W
R027	401 037 5202	MT-GLAZE 100 JA 1/10W
R028	401 037 5202	MT-GLAZE 100 JA 1/10W
R029	401 037 5202	MT-GLAZE 100 JA 1/10W
R030	401 037 5707	MT-GLAZE 100K JA 1/10W

REF.NO.	PART NO.	DESCRIPTION
R031	401 037 5707	MT-GLAZE 100K JA 1/10W
R032	401 037 5707	MT-GLAZE 100K JA 1/10W
R040	401 037 5400	MT-GLAZE 1K JA 1/10W
R041	401 037 5400	MT-GLAZE 1K JA 1/10W
R042	401 038 7809	MT-GLAZE 56K JA 1/10W
R050	401 038 3603	MT-GLAZE 3.3K JA 1/10W
R151	401 037 9101	MT-GLAZE 180 JA 1/10W
R152	401 038 6208	MT-GLAZE 47 JA 1/10W
R154	401 037 9309	MT-GLAZE 18K JA 1/10W
R155	401 037 7909	MT-GLAZE 1.5K JA 1/10W
R156	401 038 7700	MT-GLAZE 5.6K JA 1/10W
R160	401 037 5400	MT-GLAZE 1K JA 1/10W
R161	401 037 5400	MT-GLAZE 1K JA 1/10W
R162	401 037 5400	MT-GLAZE 1K JA 1/10W
R251	401 038 0503	MT-GLAZE 22 JA 1/10W
R252	401 038 5300	MT-GLAZE 39K JA 1/10W
R254	401 037 5202	MT-GLAZE 100 JA 1/10W
R255	401 038 3405	MT-GLAZE 33 JA 1/10W
R256	401 037 8104	MT-GLAZE 150K JA 1/10W
R257	401 037 5400	MT-GLAZE 1K JA 1/10W
R259	401 038 0503	MT-GLAZE 22 JA 1/10W
R261	401 037 5707	MT-GLAZE 100K JA 1/10W
R262	401 038 2200	MT-GLAZE 27K JA 1/10W
R263	401 038 3603	MT-GLAZE 3.3K JA 1/10W
R264	401 037 7909	MT-GLAZE 1.5K JA 1/10W
R265	401 037 8104	MT-GLAZE 150K JA 1/10W
R267	401 037 5202	MT-GLAZE 100 JA 1/10W
R275	401 037 5202	MT-GLAZE 100 JA 1/10W
R276	401 038 5102	MT-GLAZE 3.9K JA 1/10W
R350	401 036 4701	MT-GLAZE 330 JA 1/8W
R351	401 038 2200	MT-GLAZE 27K JA 1/10W
R352	401 038 5300	MT-GLAZE 39K JA 1/10W
R353	401 037 9408	MT-GLAZE 180K JA 1/10W
R612	401 037 9309	MT-GLAZE 18K JA 1/10W
R613	401 037 6902	MT-GLAZE 120K JA 1/10W
R614	401 038 3702	MT-GLAZE 33K JA 1/10W
R615	401 039 0502	MT-GLAZE 82K JA 1/10W
R625	401 037 5400	MT-GLAZE 1K JA 1/10W
R650	401 039 0502	MT-GLAZE 82K JA 1/10W
R651	401 039 0601	MT-GLAZE 820K JA 1/10W
R652	401 037 6803	MT-GLAZE 12K JA 1/10W
R653	401 037 9309	MT-GLAZE 18K JA 1/10W
R654	401 037 6803	MT-GLAZE 12K JA 1/10W
R655	401 039 0502	MT-GLAZE 82K JA 1/10W
R656	401 037 8005	MT-GLAZE 15K JA 1/10W
R657	401 036 1700	MT-GLAZE 22K JA 1/8W
R658	401 037 8005	MT-GLAZE 15K JA 1/10W
R660	401 037 5707	MT-GLAZE 100K JA 1/10W
R661	401 038 0800	MT-GLAZE 22K JA 1/10W
R662	401 038 0800	MT-GLAZE 22K JA 1/10W
R663	401 038 0800	MT-GLAZE 22K JA 1/10W
R664	401 037 5400	MT-GLAZE 1K JA 1/10W
R665	401 036 4503	MT-GLAZE 33 JA 1/8W
R666	401 038 0701	MT-GLAZE 2.2K JA 1/10W
R667	401 037 9309	MT-GLAZE 18K JA 1/10W
R669	401 037 5707	MT-GLAZE 100K JA 1/10W
R670	401 037 9408	MT-GLAZE 180K JA 1/10W
R671	401 039 0601	MT-GLAZE 820K JA 1/10W
R672	401 037 5707	MT-GLAZE 100K JA 1/10W
R673	401 038 9209	MT-GLAZE 6.8K JA 1/10W
R674	401 037 5400	MT-GLAZE 1K JA 1/10W
R675	401 037 5400	MT-GLAZE 1K JA 1/10W
R676	401 039 0502	MT-GLAZE 82K JA 1/10W
R677	401 039 0502	MT-GLAZE 82K JA 1/10W
R678	401 037 5608	MT-GLAZE 10K JA 1/10W
R679	401 038 7700	MT-GLAZE 5.6K JA 1/10W
R680	401 039 0403	MT-GLAZE 8.2K JA 1/10W
R681	401 037 6704	MT-GLAZE 1.2K JA 1/10W
R682	401 038 9308	MT-GLAZE 68K JA 1/10W

PARTS LIST

REF.NO.	PART NO.	DESCRIPTION
R683	401 037 5608	MT-GLAZE 10K JA 1/10W
R684	401 038 0800	MT-GLAZE 22K JA 1/10W
R685	401 038 3603	MT-GLAZE 3.3K JA 1/10W
R686	401 038 0800	MT-GLAZE 22K JA 1/10W
R687	401 038 7809	MT-GLAZE 56K JA 1/10W
R688	401 038 0701	MT-GLAZE 2.2K JA 1/10W
R689	401 036 2806	MT-GLAZE 2.7K JA 1/8W
R691	401 100 5108	MT-GLAZE 1 JA 1/8W
R692	401 037 5707	MT-GLAZE 100K JA 1/10W
R693	401 038 0701	MT-GLAZE 2.2K JA 1/10W
R694	401 038 0909	MT-GLAZE 220K JA 1/10W
R695	401 037 8104	MT-GLAZE 150K JA 1/10W
R697	401 038 6505	MT-GLAZE 47K JA 1/10W
R698	401 038 6505	MT-GLAZE 47K JA 1/10W
R699	401 038 6505	MT-GLAZE 47K JA 1/10W
T151	645 027 5265	TRANS,RF,30MHZ
T153	614 252 7481	TRANS,OSC
T251	614 252 7573	TRANS,RF
T252	645 026 9417	TRANS,RF,39.9MHZ
T253	614 252 7498	TRANS,OSC
T351	645 004 5509	TRANS,IF 455KHZ
VR351	645 011 0856	VR,SEMI,100K N
VR352	645 017 4094	VR,SEMI,2M N
VR651	645 011 9828	VR,SEMI,300K N
X001	645 004 1945	OSC,CRYSTAL 32.768KHZ
X002	614 256 2109	RESONATOR,XTAL
X151	645 017 4100	OSC,CRYSTAL 10.24MHZ
XF151	614 265 3579	FILTER,LC
XF351	614 030 5104	I.F FILTER
or	614 030 5098	I.F FILTER
or	614 030 5081	I.F FILTER
or	614 030 5074	I.F FILTER
XF352	614 261 3764	FILTER
or	645 011 1600	CERAMIC FILTER 455KHZ

REMOTE MIC PWB ASSY

REF.NO.	PART NO.	DESCRIPTION
271	614 295 6397	ASSY,PWB
C099	403 067 9304	CERAMIC 0.01U K 25V
D096	407 204 8601	DIODE KDS181-RTK
or	407 003 4507	DIODE DAP202K-T146
D097	407 155 9603	ZENER DIODE RLZ5232B-TE11
D098	407 117 5001	LED BR1102W-TR
D099	407 155 9603	ZENER DIODE RLZ5232B-TE11
MIC01	645 017 9198	MICROPHONE
R095	401 038 7809	MT-GLAZE 56K JA 1/10W
R096	401 037 5400	MT-GLAZE 1K JA 1/10W
R097	401 037 5707	MT-GLAZE 100K JA 1/10W
R098	401 039 0304	MT-GLAZE 820 JA 1/10W
R099	401 038 6406	MT-GLAZE 4.7K JA 1/10W
S099	614 253 0955	SWITCH,SLIDE
or	614 237 1053	SWITCH

BASE BATT PWB ASSY

REF.NO.	PART NO.	DESCRIPTION
171	614 280 5497	ASSY,PWB BASE SW
CN402	645 003 1724	SOCKET,DIP 10P
or	645 006 2247	SOCKET,DIP 10P
D451	407 163 7301	LED PY1101W
D452	407 163 7301	LED PY1101W
D453	407 163 7301	LED PY1101W
D454	407 163 7301	LED PY1101W
D455	407 163 7301	LED PY1101W
D456	407 163 7301	LED PY1101W
D457	407 163 7301	LED PY1101W
D458	407 163 7301	LED PY1101W
D459	407 163 7301	LED PY1101W
D460	407 163 7301	LED PY1101W
D461	407 163 7301	LED PY1101W
D462	407 163 7301	LED PY1101W
R450	401 038 1807	MT-GRAZE 27 JA 1/10W
R451	401 038 1807	MT-GRAZE 27 JA 1/10W
R452	401 038 1807	MT-GRAZE 27 JA 1/10W
R453	401 038 1807	MT-GRAZE 27 JA 1/10W

IC BLOCK DIAGRAM

IC001 UPD750008GB(Micro processor)

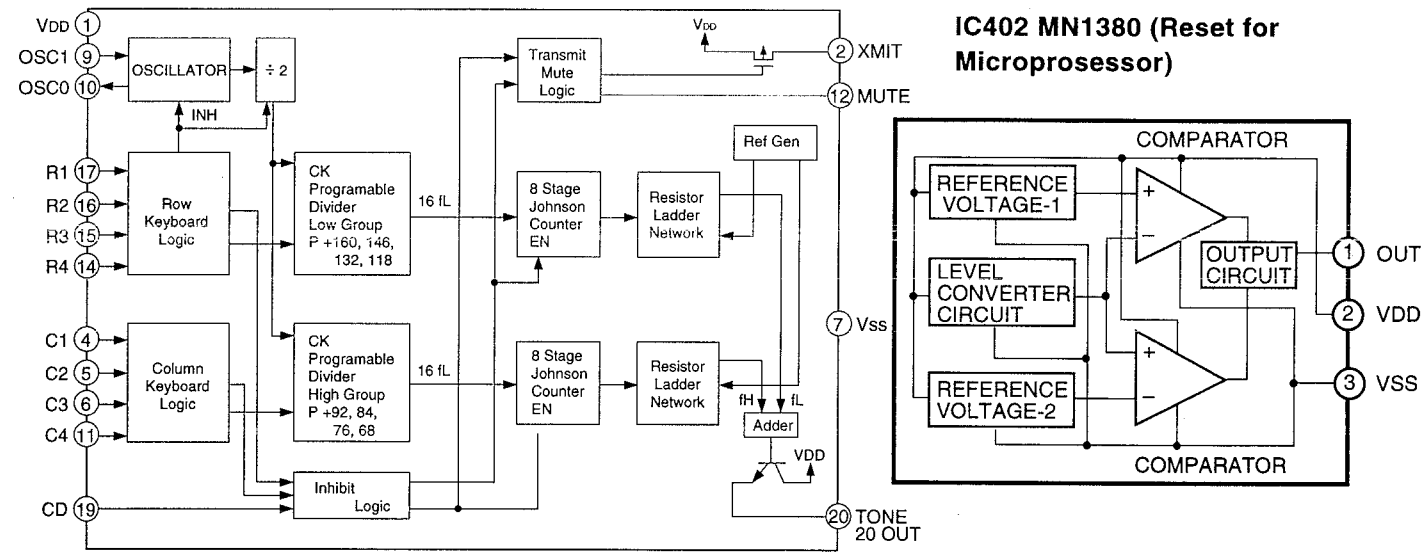
No	PORT NAME	NAME	DESCRIPTION OF FUNCTION	ACTIVE	I/O
1	P72	RINGER ON/OFF	RINGER ON/OFF SWITCH	H→RINGER ON	I
2	P71	TEST	SELECT TEST MODE	L	I
3	P70	586/186		H→CLT586	I
4	P63		KEY MATRIX INPUT	L	I
5	P62		KEY MATRIX INPUT	L	I
6	P61		KEY MATRIX INPUT	L	I
7	P60		KEY MATRIX INPUT	L	I
8	P53		KEY MATRIX OUTPUT	L	O
9	P52		KEY MATRIX OUTPUT	L	O
10	P51		KEY MATRIX OUTPUT	L	O
11	P50		KEY MATRIX OUTPUT	L	O
12	NC				
13	P43	TALK LED	TALK LED	L	O
14	P42	H/F LED	SP.PHONE LED	L	O
15	P41	BUZZER CONT	BUZZER/KEY MONITOR SWITCH	H→LEVEL Hi	O
16	P40	DIAL LED	DIAL LED	L	O
17	Vss		GND		
18	XT1		SUB SYSTEM CLOCK(32.768KHz)		I
19	XT2		SUB SYSTEM CLOCK(32.768KHz)		O
20	RESET		RESET	L	I
21	X1		MAIN SYSTEM CLOCK(4.093MHz)		I
22	X2		MAIN SYSTEM CLOCK(4.093MHz)		O
23	P33	TX+B2	TX +B2 CONTROL	L	O
24	P32	CD CHK	CD CHECK	H	I
25	P31	TX+B	TX +B CONTROL	L	O
26	P30	TX DATA	TX DATA OUT PUT (STANBY:HI-Z)		O
27	P81	RX +B	RX +B CONTROL	L	O
28	P80	CE	RF CHIP DATA ENABLE	H	O
29	P03	NOT USE			I
30	P02	DA	RF CHIP DATA		O
31	P01	CK	RF CHIP CLOCK		O
32	P00	CHARGE	CHARGE DETECT	H	I
33	P13	NOT USE			I
34	NC				
35	P12	H/F SW	H/F KEY IN	H	I
36	P11		KEY MATRIX INPUT	L	I
37	P10	RX DATA	RX DATA INPUT		I
38	IC		Vdd		
39	Vdd		Vdd		
40	P23	SP CNT	H/F SP. AMP +B CONTROL	L	O
41	P22	LOCK-CNT	PLL LOCK TIMING CONTROL		O
42	P21	BZ OUT	BUZZER OUTPUT	L	O
43	P20	MIC CNT	MIC SENSITIVITY CONTROL	L→Hi	O
44	P73	BATT LOW	BATT. Low DETECT	L	I

KEY MATRIX

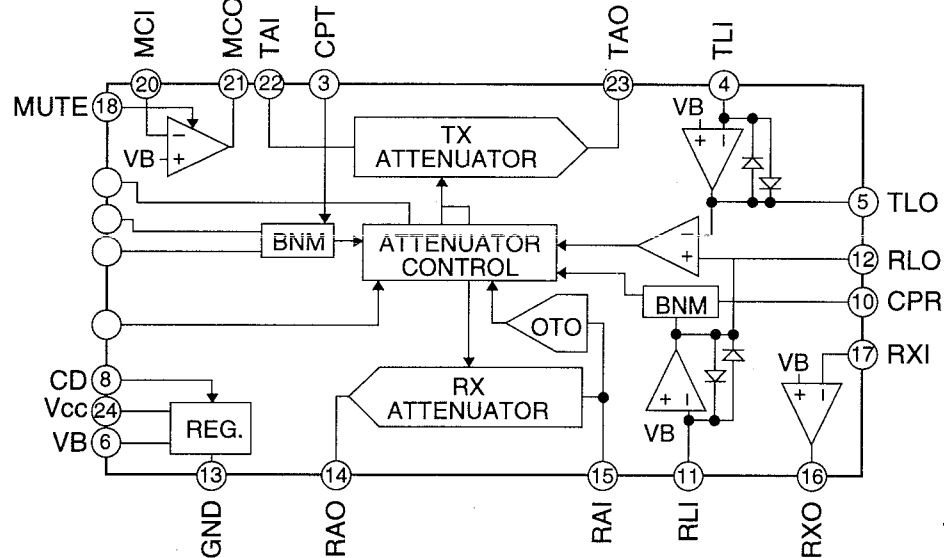
OUT	IN	P60	P61	P62	P63	P11
P50		1	2	3	R/P	TALK
P51		4	5	6	END	INT
P52		7	8	9	SCAN	MEMO
P53		*	0	#	FLASH	SP

IC BLOCK DIAGRAM

IC705 LC7366NM (DFMT Generator)

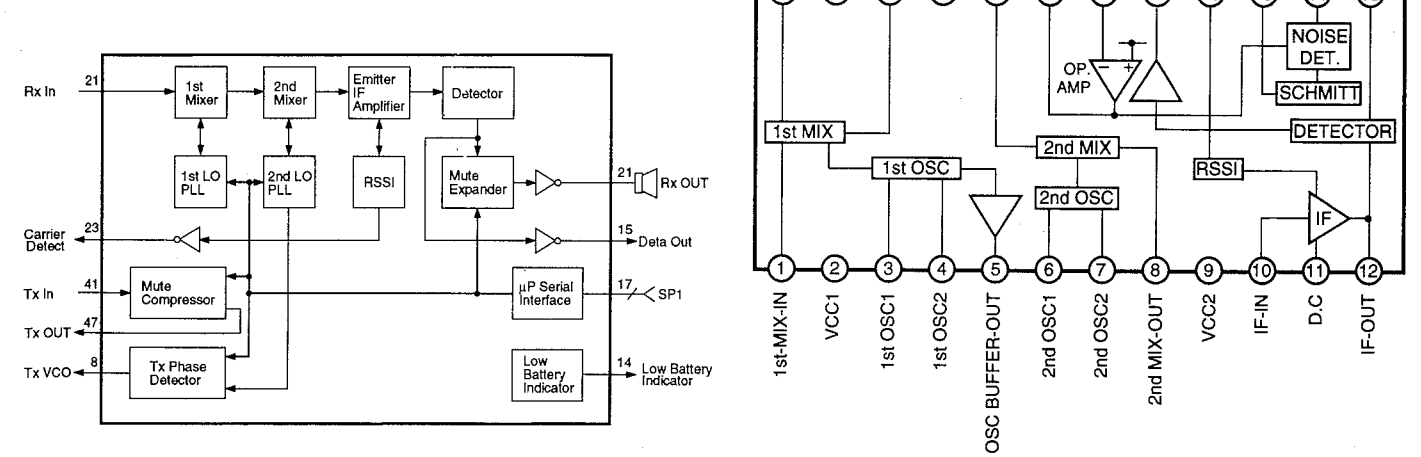


IC706 MC33219AP (Voice Switched Speakerphone)



IC301 LA8670ML (FM-IF System for Narrow Band)

IC351 MC13109FTA (Universal CT1 Subsystem)



IC BLOCK DIAGRAM

IC401 UPD75108GF(MICROPROCESSOR)

No	PORT NAME	NAME	DESCRIPTION OF FUNCTION	ACTIVE	I/O
1	P41	FLASH	FLASH SWITCH 100/600MS	H,600MS	I
2	P40	NOT USE			I
3	P53	INT LED	INTERCOM LED CONTROL	L	O
4	P52	DIAL LED	DIAL LED	L	O
5	P51	RX+B CNT	RX +B CONTROL		O
6	P50	TX MUTE	TRANSMITTED SIGNAL MUTE CONTROL	L	O
7	RESET		System reset		O
8	X2		SYSTEM CLOCK OSCILLATION(3.58MHz)		O
9	X1		SYSTEM CLOCK OSCILLATION(3.58MHz)		I
10	P63	INTERVAL	INTERVAL STBY SW	H,ON	I
11	P62	SPK-IC CNT	SPK IC CONTROL(MC33219A-8)	H	O
12	P61	DTMF R1	DTMF IC(LC7366)CONTROL	H	O
13	P60	TX DATA	TRANSMITTED DATA OUTPUT(STANBY:HI-Z)		O
14	P73	DTMF R2	DTMF IC(LC7366)CONTROL	H	O
15	P72	DTMF R3	DTMF IC(LC7366)CONTROL	H	O
16	P71	DTMF R4	DTMF IC(LC7366)CONTROL	H	O
17	P70	DTMF C3	DTMF IC(LC7366)CONTROL	H	O
18	P83	DTMF C2	DTMF IC(LC7366)CONTROL	H	O
19	P82	DTMF C1	DTMF IC(LC7366)CONTROL	H	O
20	P81	H/F CNT2	H/F MODE CONTROL	H	O
21	P80	H/F CNT1	H/F MODE CONTROL	H	O
22	P93	SPK	SPK CONTROL (ANALOG SWITCH)	H	O
23	P92	INT	INTERCOM SIGNAL CONTROL(ANALOG SWITCH)	H	O
24	P91	TEL	TEL SIGNAL CONTROL (ANALOG SWITCH)	H	O
25	P90	BATT CHK	BATT.DET CHECK CONTROL	H,BATT.DET CHK	O
26	VSS	GND			
27	P13	CHARGE	HANDSET CHARGE DETECT	L	I
28	P12	RINGER	RINGER SIGNAL INPUT	L	I
29	P11	T/P	TONE/PULSE SWITCH INPUT	H,PULSE	I
30	P10	RX DATA	RX DATA INPUT		I
31	PTH03	586/286	MODEL SELECT	H,CLT586	I
32	PTH02	M/B	MAKE/BREAK RATIO SWITCH	L,39%	I
33	PTH01		Not Used		I
34	PTH00		Not Used		I
35	TI0	BATT LOW	BATTERY BACKUP VOLTAGE DETECT	L	I
36	TI1	TEST	TEST MODE SWITCH	L,TEST MODE	I
37	P23	SP CNT	SP. +B CONTROL	L	I
38	P22	RX MUTE	RX MUTE	L	O
39	P21	BEEP OUT	BEEP/RINGER SIGNAL OUTPUT		O
40	P20	BEEP CNT	BEEP/RINGER SOUND LEVEL CONTROL	H,Low LEVEL	O
41	P03	RINGER SW	RINGER ON/OFF SWITCH INPUT	H,RINGER ON	I
42	P02	AC LOW	AC POWER CHECK	H,AC POWER OFF	I
43	P01		Not Used		I
44	P00	A. SCAN	CD CHECK	H	I

IC BLOCK DIAGRAM

No	PORT NAME	NAME	DESCRIPTION OF FUNCTION	ACTIVE	I/O
45	P123	PLL DA	PLL DATA		O
46	P122	PLL CK	PLL CLOCK		O
47	P121	PLL CE	PLL CHIP ENABLE	H	O
48	P120	RELAY	TEL. LINE RELAY CONTROL	H,ON	O
49	P133	SP.PH LED	SP.PHONE LED CONTROL	L	O
50	P132	IN USE LED	IN USE LED CONTROL	L	O
51	P131	BATT. LED	POWER FAILURE BACKUP BATTERY LED CNT	L	O
52	P130	CHARGE LED	CHARGE LED CONTROL	L	O
53	P143	KEY SCAN	KEY MATRIX OUTPUT	L	O
54	P142	KEY SCAN	KEY MATRIX OUTPUT	L	O
55	P141	KEY SCAN	KEY MATRIX OUTPUT	L	O
56	P140	KEY SCAN	KEY MATRIX OUTPUT	L	O
57	NC				
58	VDD	VDD			
59	P33	KEY SCAN	KEY MATRIX INPUT	L	I
60	P32	KEY SCAN	KEY MATRIX INPUT	L	I
61	P31	KEY SCAN	KEY MATRIX INPUT	L	I
62	P30	KEY SCAN	KEY MATRIX INPUT	L	I
63	P43	KEY SCAN	KEY MATRIX INPUT	L	I
64	P42		Not Used		I

KEY MATRIX

OUT	IN	P30	P31	P32	P33	P43
P140		1	5	9	FLASH	INT
P141		2	6	0		SP
P142		3	7	*		R/P
P143		4	8	#		

*BASE UNIT

IC101 BU2630

Pin No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Talk Mode	0.40	0.00	2.40	0.28	0.15	1.70	0.00	4.05	4.05	0.00	1.50	0.00	0.00	2.80	4.10	1.40

IC301 LA8670M

Pin No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Talk Mode	0.90	3.85	3.70	3.10	2.75	4.00	3.90	2.80	4.10	2.70	2.75	3.50	4.10	0.00	5.15	0.50
Pin No.	17	18	19	20	21	22	23	24								
Talk Mode	1.10	0.00	3.95	0.90	0.90	3.90	0.00	0.90								

IC401 uPD75108

Pin No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Talk Mode	4.45	0.00	5.45	0.00	0.00	5.40	5.40	2.75	2.00	0.00	0.00	0.00	4.95	0.00	0.00	0.00
Standby Mode	4.45	0.00	5.45	0.00	0.00	0.00	5.40	2.75	2.00	0.00	0.00	0.00	4.95	0.00	0.00	0.00
Pin No.	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
Talk Mode	0.00	0.00	0.00	0.00	5.40	0.00	0.00	5.30	0.00	0.00	0.00	4.90	0.00	3.10	4.85	0.00
Standby Mode	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.95	0.00	2.60	4.95	0.00
Pin No.	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
Talk Mode	4.85	5.30	0.00	4.95	5.40	5.40	0.00	5.40	4.40	0.00	0.00	5.10	4.05	4.03	0.00	0.00
Standby Mode	4.90	5.40	0.00	5.00	5.45	0.00	0.00	5.40	4.40	0.00	0.00	0.00	4.00	4.00	0.00	5.35
Pin No.	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64
Talk Mode	2.35	0.00	0.15	3.85	0.00	0.00	0.00	0.00	0.00	5.40	5.40	4.80	4.80	4.80	4.90	0.00
Standby Mode	2.40	3.85	0.15	3.90	0.00	0.00	0.00	0.00	0.00	5.40	5.40	4.80	4.80	4.80	4.90	0.00

IC402 MN1380M

Pin No.	1	2	3
Talk Mode	5.40	5.40	0.00

IC601 LA8632M

Pin No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Talk Mode	2.35	2.10	2.55	0.20	2.30	2.00	2.30	0.00	0.00	3.25	0.00	2.45	4.90	2.50	2.50	5.40
Standby Mode	2.30	2.60	2.50	0.70	2.60	2.60	2.30	5.40	0.00	2.25	0.00	2.45	5.00	2.60	2.50	0.00
Pin No.	17	18	19	20	21	22	23	24								
Talk Mode	5.40	2.60	2.40	2.80	0.60	2.55	2.55	2.45								
Standby Mode	0.00	2.60	2.40	2.60	0.60	2.55	2.55	2.45								

IC602 BA728F

Pin No.	1	2	3	4	5	6	7	8
Talk Mode	2.70	2.70	2.15	0.00	2.40	2.60	2.60	4.90

IC701 MC14066

Pin No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Talk Mode	1.00	0.00	0.75	2.40	0.00	0.00	0.00	0.00	4.50	2.25	0.00	0.00	0.00	5.40

IC702 MC14066

Pin No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Talk Mode	1.00	0.00	1.14	1.14	5.40	5.40	0.00	1.40	1.40	0.00	2.20	0.00	0.00	5.40

IC703 MC34119

Pin No.	1	2	3	4	5	6	7	8
Talk Mode	5.40	2.30	2.00	1.80	1.65	5.40	0.00	1.60

IC705 LC7366

Pin No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Talk Mode	5.45	5.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.90	0.00	0.00	0.00	0.00	0.00	0.00
Pin No.	17	18	19	20												
Talk Mode	0.00	0.00	0.00	0.00												

VOLTAGE TABLE

IC706 MC33219

Pin No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Talk Mode	2.25	2.10	2.05	2.15	2.25	2.40	2.40	0.00	1.80	2.10	2.10	2.30	0.00	2.40	2.25	2.40
Pin No.	17	18	19	20	21	22	23	24								
Talk Mode	2.40	0.00	2.40	2.45	2.40	2.40	2.40	5.40								

IC801 BA6566 (PIN 1 as Reference level)

Pin No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Talk Mode	0.00	1.35	3.90	4.30	2.15	0.25	1.33	1.95	1.90	1.90	0.80	0.80	1.15	0.90	0.90	0.80
Pin No.	17	18														
Talk Mode	0.80	0.40														

IC901 PC814

Pin No.	1	2	3	4
Talk Mode	0.00	0.00	0.00	5.40

IC902 MN1380U (with Batt Backup only)

Pin No.	1	2	3
Talk Mode	5.80	5.80	0.00

Transistor No.	Q101			Q201			Q202			Q204			Q301		
Pin No.	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
Talk Mode	3.70	0.25	0.00	0.00	5.25	0.65	2.85	5.00	2.80	4.60	5.30	5.40	0.52	0.15	0.00
Standby Mode	3.70	0.25	0.00	0.00	0.50	0.40	0.00	0.40	0.45	5.40	0.40	5.45	0.30	0.15	0.00

Transistor No.	Q401			Q402			Q702			Q703			Q704		
Pin No.	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
Talk Mode	0.00	0.00	0.70	0.00	2.80	0.00	1.35	2.90	0.90	0.50	4.80	1.15	0.20	1.50	0.80
Standby Mode	0.00	0.00	0.70	0.00	2.80	0.00	1.40	2.95	0.90	0.50	4.80	1.15	0.20	1.50	0.80

Transistor No.	Q705			Q708			Q710			Q711			Q712		
Pin No.	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
Talk Mode	2.40	2.50	1.90	0.00	0.00	7.00	0.00	0.00	0.00	0.00	2.20	0.60	5.20	0.00	4.70
Standby Mode	2.40	2.40	1.80	0.00	0.00	0.70	0.00	0.00	0.00	0.00	2.20	0.60	5.20	0.00	4.70

Transistor No.	Q750			Q751			Q901			Q902			Q903		
Pin No.	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
Talk Mode	4.00	4.95	3.90	0.00	3.60	0.45	0.00	4.90	0.00	0.00	0.00	0.00	5.40	5.30	4.50
Standby Mode	4.05	5.00	3.95	0.00	0.00	0.00	0.00	4.95	0.00	0.00	0.00	0.00	5.45	0.00	5.40

Transistor No.	Q904			Q908			Q912		
Pin No.	E	C	B	E	C	B	E	C	B
Talk Mode	7.90	10.60	8.10	6.10	10.60	6.70	0.00	0.00	0.00
Standby Mode	7.70	11.90	8.15	6.15	11.90	6.70	0.00	0.00	0.00

VOLTAGE TABLE

* REMOTE MAIN

IC001 uPD750008

Pin No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Voltage	3.40	0.00	1.96	3.49	3.49	3.49	3.49	0.00	0.00	0.00	0.00	0.00	2.48	2.48	0.00	3.26
Pin No.	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
Voltage	0.00	0.19	2.03	3.14	0.93	1.81	0.00	3.49	0.00	1.83	0.00	0.00	2.00	3.84	3.84	0.98
Pin No.	33	34	35	36	37	38	39	40	41	42	43					
Voltage	0.00	0.00	0.00	3.49	1.65	3.83	3.83	3.83	0.00	3.82	3.13					

IC002 PST9134N

Pin No.	1	2	3	4	5
Voltage	0.00	0.00	0.00	3.14	3.82

IC003 PST9134N

Pin No.	1	2	3	4	5
Voltage	0.00	0.00	0.00	3.14	3.82

IC351 MC13109

Pin No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Voltage	0.70	0.95	2.16	0.80	0.00	1.48	3.58	0.80	3.83	0.00	3.83	0.00	3.15	0.00	1.75	1.96
Pin No.	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
Voltage	1.94	1.94	3.84	3.11	1.92	1.91	2.71	0.00	3.84	3.84	3.02	3.01	3.01	0.00	2.58	3.84
Pin No.	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
Voltage	1.85	2.94	3.81	3.81	0.25	0.13	1.55	0.00	1.78	1.92	1.92	3.75	1.93	1.89	1.90	0.00

IC653 BA728F

Pin No.	1	2	3	4	5	6	7	8
Voltage	2.20	2.20	1.65	0.00	1.80	2.17	2.17	3.80

IC690 NJM2113M

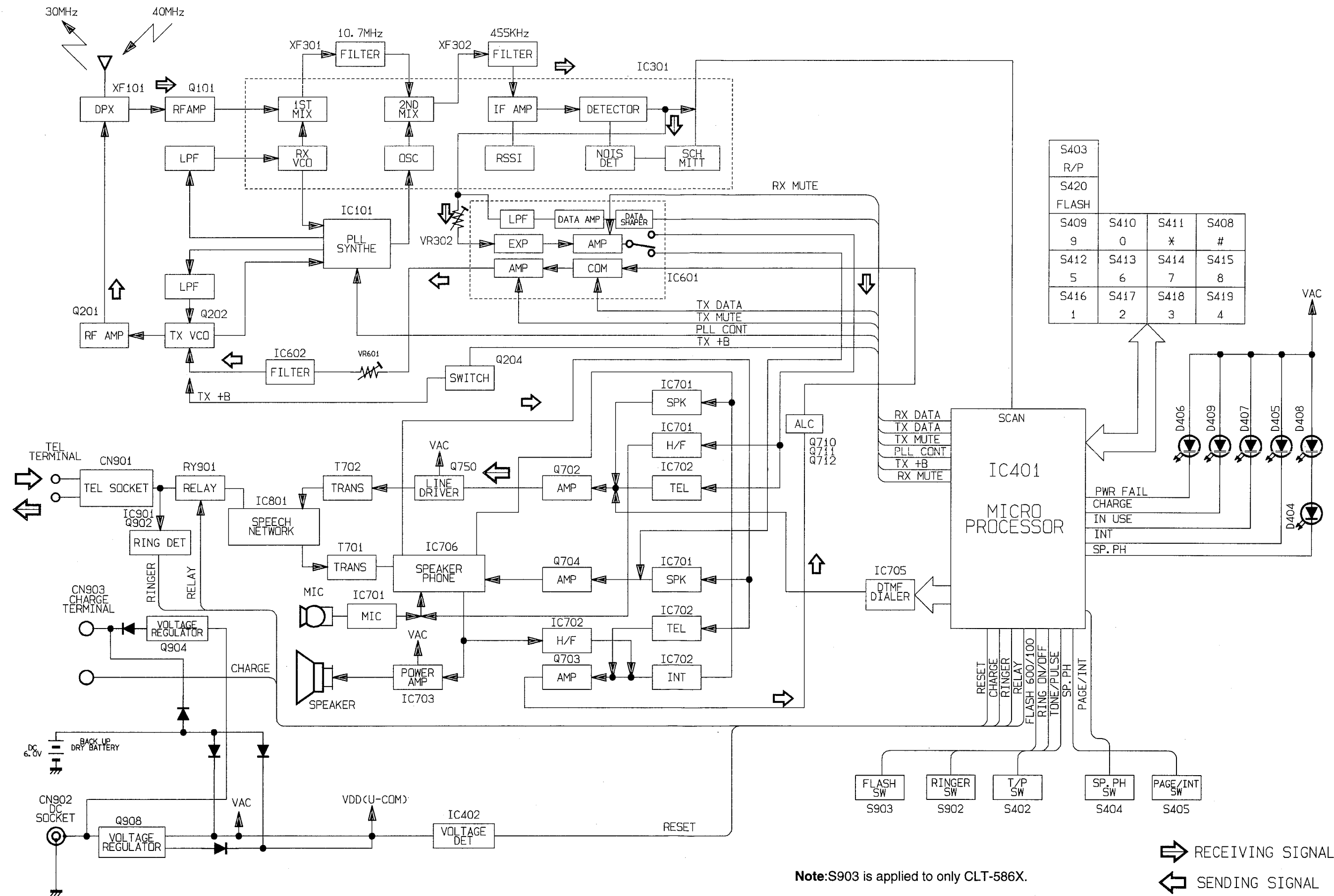
Pin No.	1	2	3	4	5	6	7	8
Voltage	0.00	1.55	1.40	1.57	1.58	0.00	0.00	1.60

Transistor No.	Q001			Q002			Q006			Q096			Q151		
Pin Name	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
Voltage	3.84	0.27	3.80	0.00	3.80	3.15	3.84	3.80	3.11	3.84	0.00	0.36	3.74	0.27	0.00

Transistor No.	Q251			Q252			Q253			Q651			Q661		
Pin Name	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
Voltage	0.00	3.63	0.60	0.00	3.39	0.72	1.47	3.51	1.68	0.00	0.00	3.83	0.91	3.77	1.43

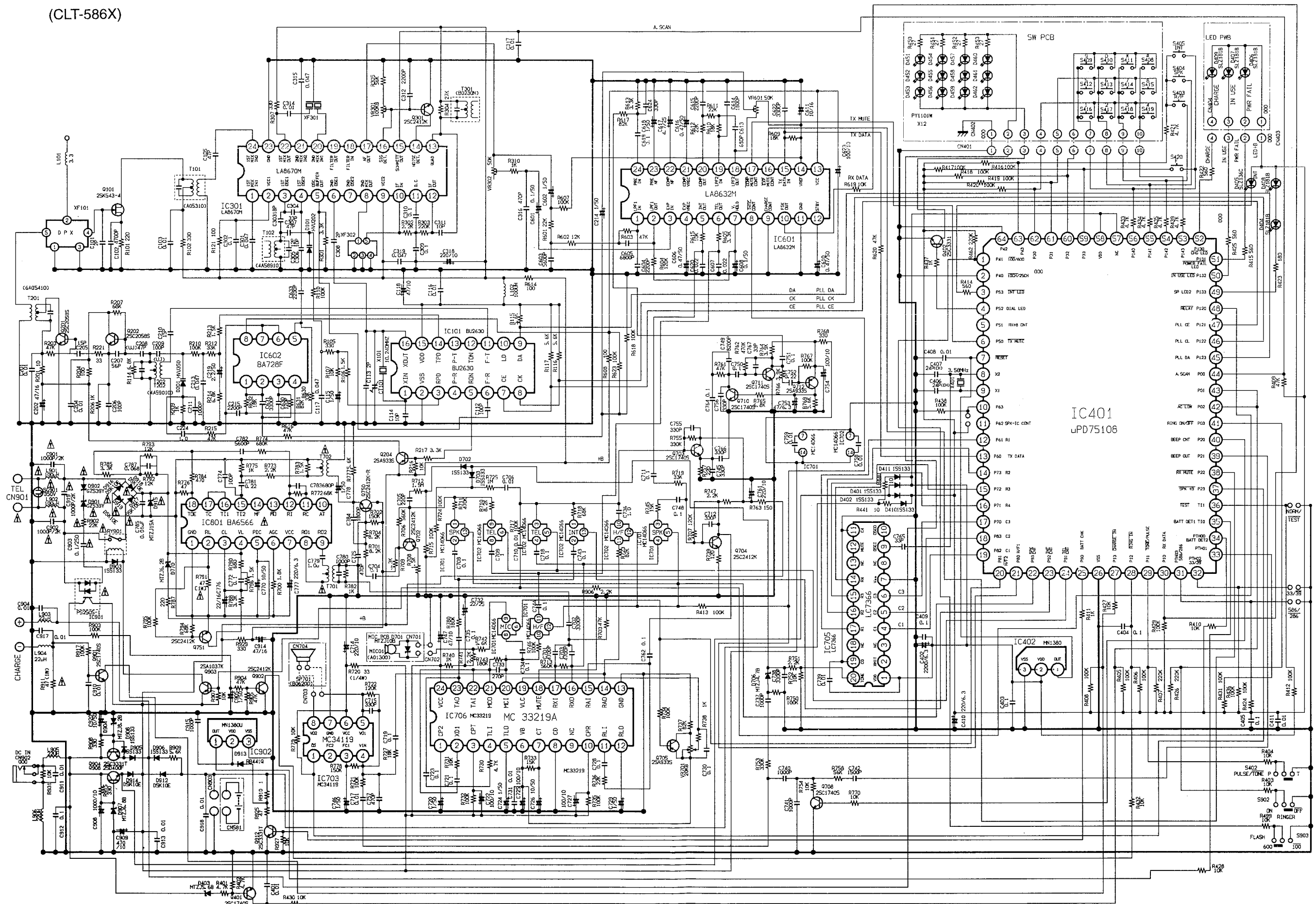
Transistor No.	Q680			Q690		
Pin Name	E	C	B	E	C	B
Voltage	0.00	-0.20	-0.10	0.00	0.00	3.83

BLOCK DIAGRAM(BASE STATION)



SCHEMATIC DIAGRAM(BASE STATION)

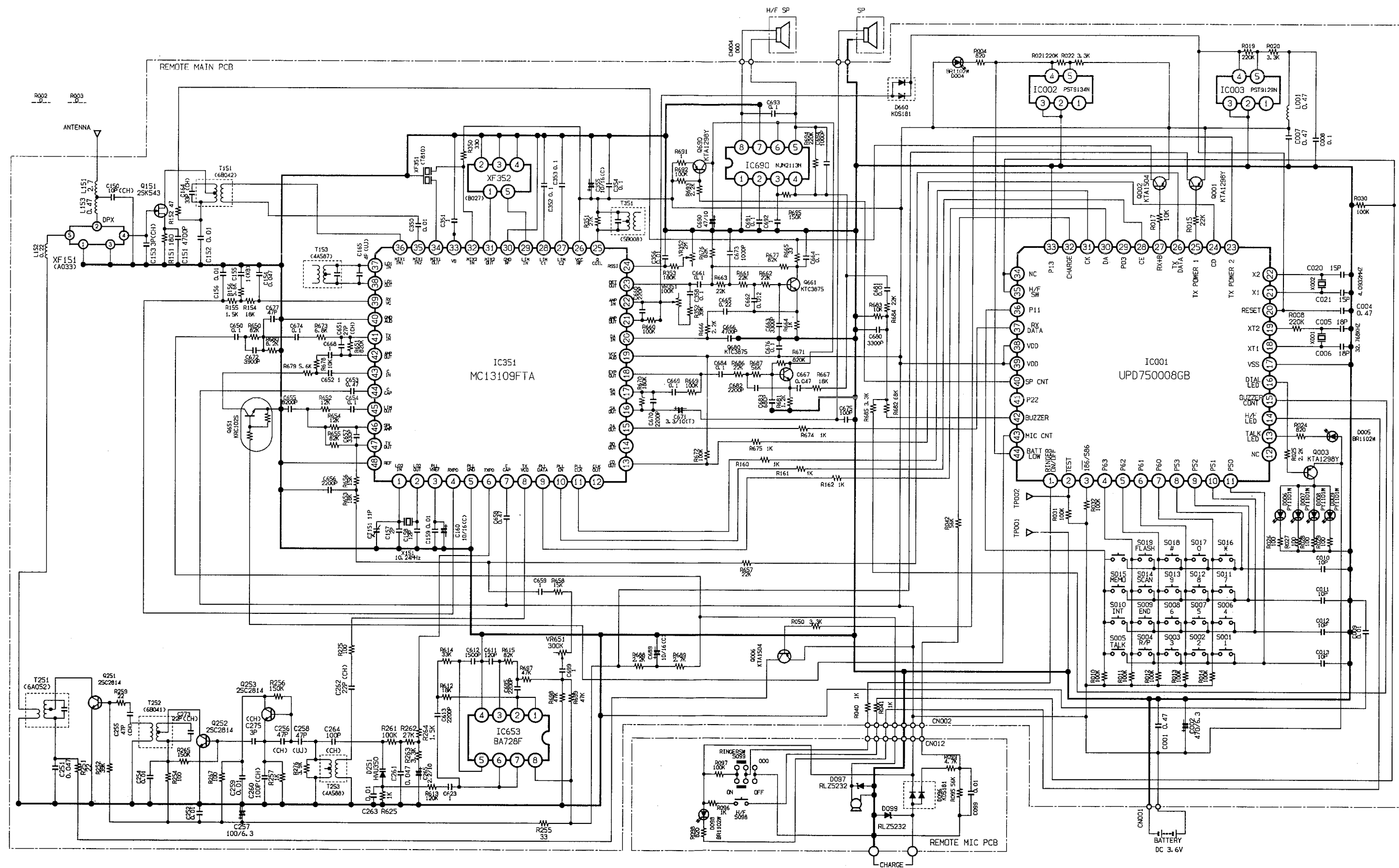
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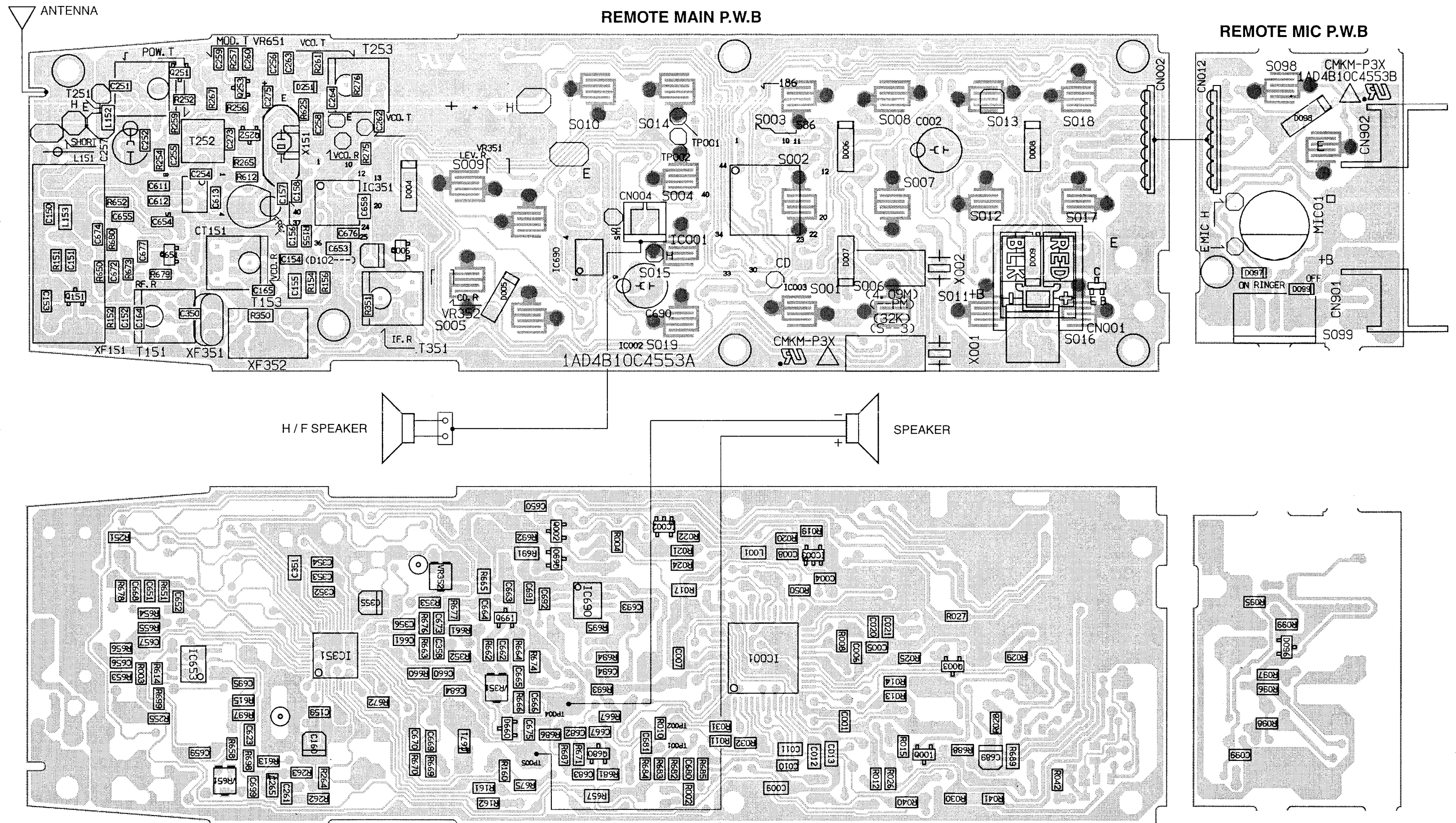


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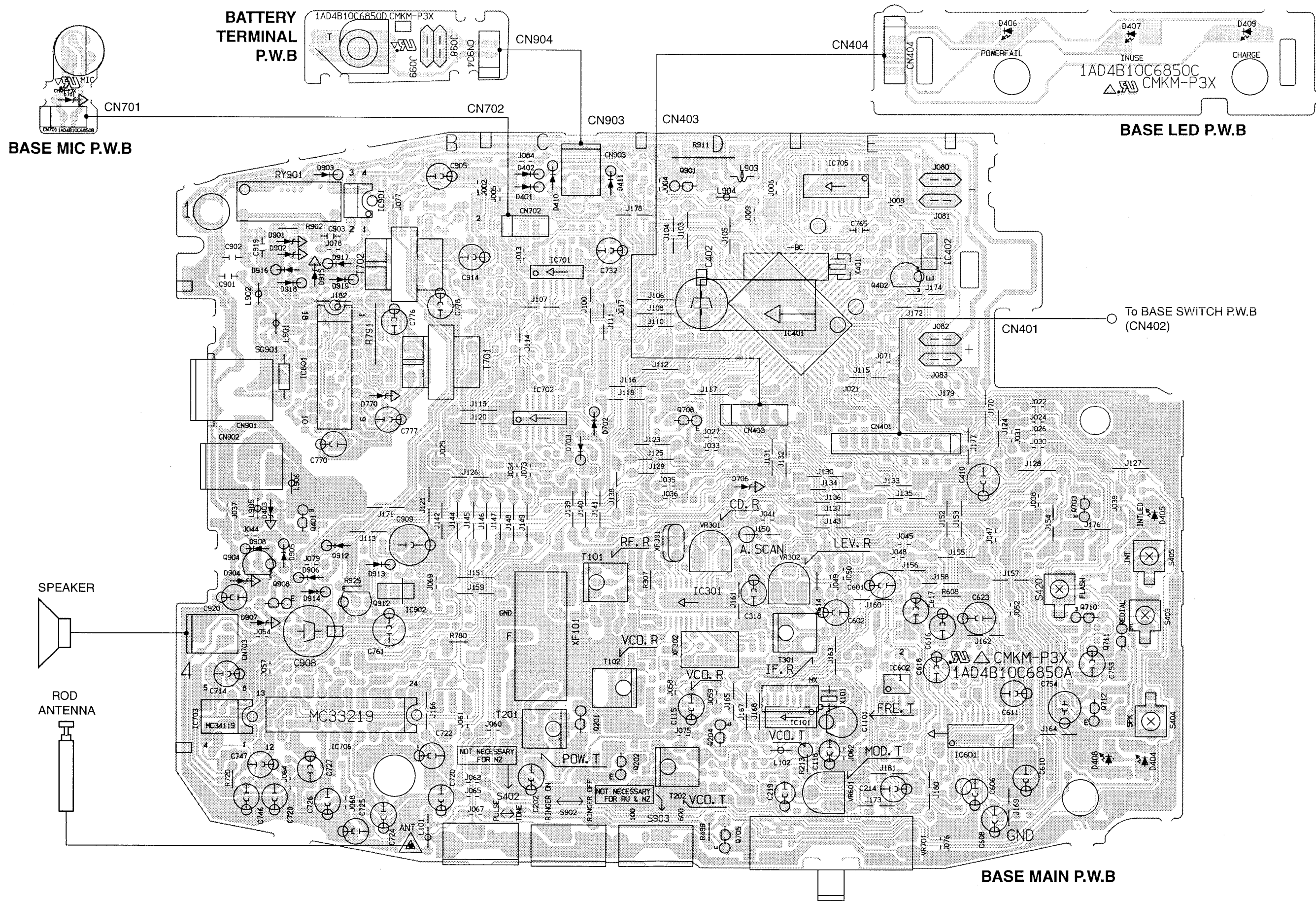


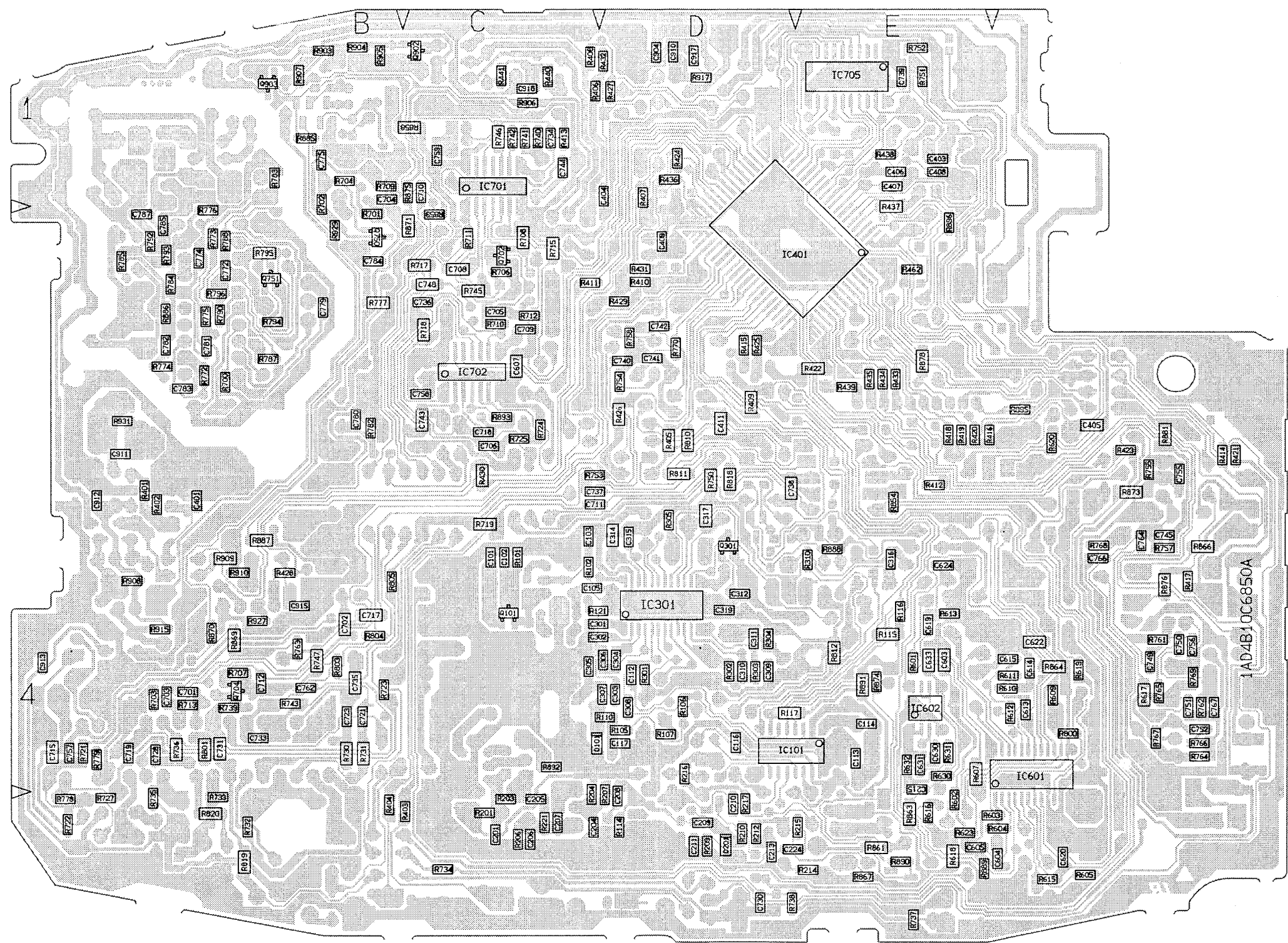
SCHEMATIC DIAGRAM(HANDSET)



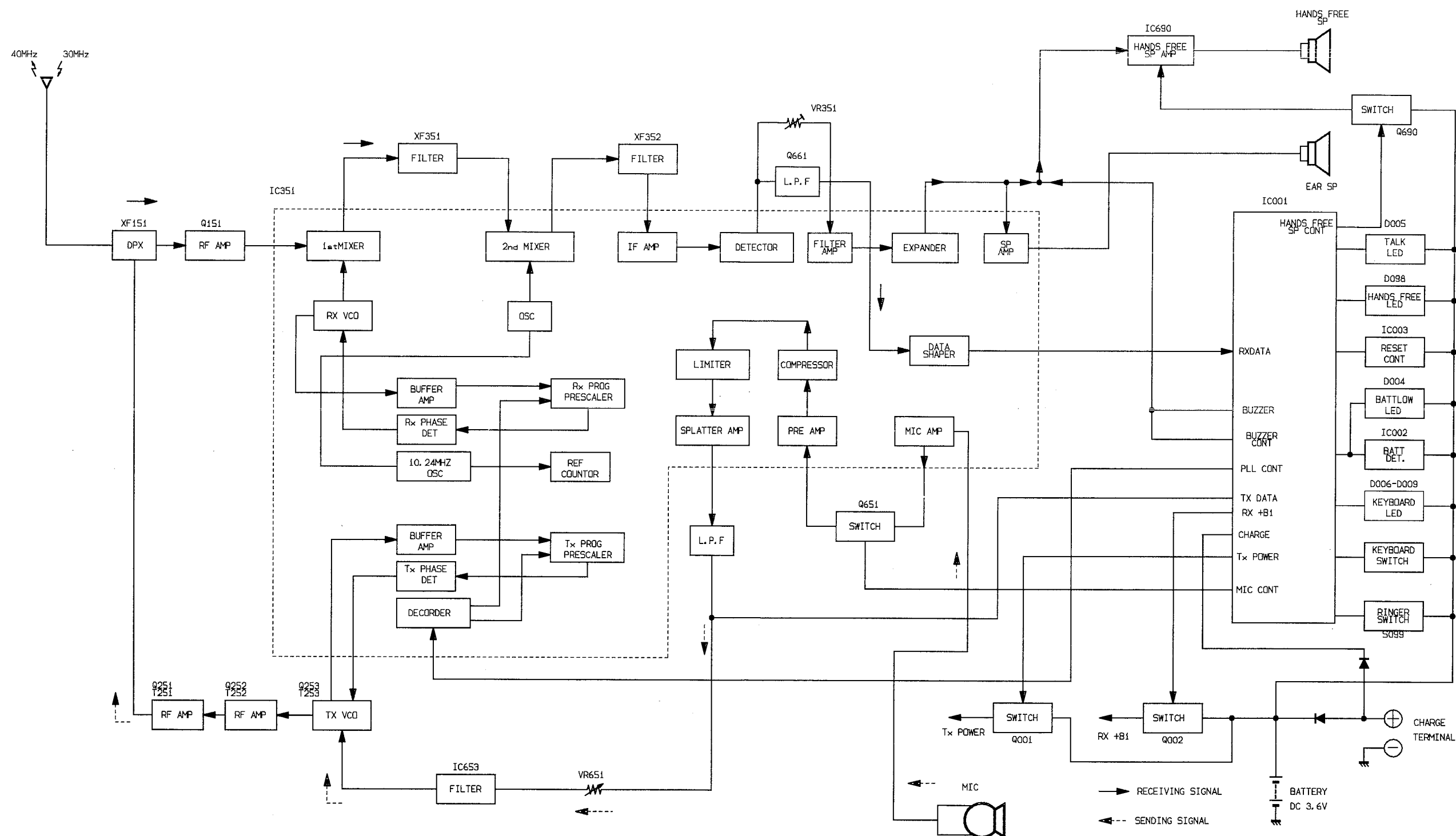


WIRING DIAGRAM (BASE STATION)





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**SANYO**

SANYO Electric Co., Ltd.
Osaka, Japan