OICOM

SERVICE MANUAL

FRS UHF FM TRANSCEIVER IC-4008A LPD FM TRANSCEIVER IC-4008E	

Icom Inc.

INTRODUCTION

This service manual describes the latest service information for the IC-4008A/IC-4008E at the time of publication.

MODEL	VERSION	SYMBOL
IC-4008E	Europe	EUR
10.10004	U.S.A	USA
IC-4008A	Taiwan	TWN

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

DANGER

NEVER connect the transceiver to an AC outlet or to a DC power supply that uses more than 5 V. Such a connection could cause a fire hazard and/or electric.

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

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

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

ORDERING PARTS

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

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

<SAMPLE ORDER>

0910049951 PCB B-5109A IC-4008 MAIN UNIT 5 pieces 8810009780 Screw PH BO M2x6 ZK IC-4008 Chassis 10 pieces

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



REPAIR NOTES

- 1. Make sure a problem is internal before disassembling the transceiver.
- 2. DO NOT open the transceiver until the transceiver is disconnected from its power source.
- 3. DO NOT force any of the variable components. Turn them slowly and smoothly.
- 4. DO NOT short any circuits or electronic parts. An insulated turning tool MUST be used for all adjustments.
- 5. DO NOT keep power ON for a long time when the transceiver is defective.
- 6. DO NOT transmit power into a signal generator or a sweep generator.
- ALWAYS connect a 30 dB to 40 dB attenuator between the transceiver and a deviation meter or spectrum analyzer when using such test equipment.
- 8. READ the instructions of test equipment thoroughly before connecting equipment to the transceiver.

TABLE OF CONTENTS

SECTION	1	SPECIFICATIONS
SECTION	2	INSIDE VIEWS
SECTION	3	DISASEMBLY INSTRUCTION
SECTION	4	CIRCUIT DESCRIPITON
	4-1	RECEIVER CIRCUITS4-1
	4-2	TRANSMITER CIRCUITS4-2
	4-3	PLL CIRCUITS
	4-4	POWER SUPPLY CIRCUITS4-3
	4-5	PORT ALLOCATIONS4-3
SECTION	5	PARTS LIST
	5-1	PREPARATION
	5-2	ADJUSTMENT5-2
SECTION	6	PARTS LIST
SECTION	7	MECHANICAL PARTS AND DISASSEMBLY
	7-1	CABINET PARTS
	7-2	ACCESSORIES
SECTION	8	SEMI-CONDUCTOR INFORMATION
SECTION	9	BOARD LAYOUTS
	9-1	IC-4008A9-1
	9-2	IC-4008E9-3
SECTION	10	BLOCK DIAGRAM
SECTION	11	VOLTAGE DIAGRAM

SECTION 1 SPECIFICATIONS

		IC-4008E (LPD)	IC-4008A (FRS)	
	Number of channels	69 (simplex; 433.075–434.775 MHz)	14 (simplex; 462.5625–467.7125 MHz [USA]) 14 (simplex; 467.5125–467.6750 MHz [TWN])	
	Type of emission	16K0F3E	8K50F3E	
	Frequency stability	±2500 Hz	±1700 Hz	
	Frequency resolution	25 kHz	12.5 kHz	
GENERAL	Power supply requirements (negative ground)	3 × AA(R6) dry, alka	line;or optional BP-202	
Ë	Current drain	less than 140 mA	less than 500 mA	
0	Operating temperature range	-10°C to +55°C	-14°F to +122°F [USA] +5°C to +50°C [TWN]	
	Number of CTCSS frequency	38 (67.0	⊢250.3 Hz)	
	Dimensions (proj. not included)	55.5(W) × 102.5(H) × 26.5(D) mm 2 ³ / ₁₆ (W) × 4 ¹ / ₃ 2(H) × 1 ¹ / ₃ 2(D) inch		
	Weight (included 3 cells)	180 <u>c</u>	g; 7.8 oz	
	Output power	10 mW	500 mW	
ᄪ	Modulation system	Variable reactance	frequency modulation	
E	Max. freqequency deviation	±5.0 kHz	±2.5 kHz	
TRANSMITTER	Spurious emissions	0.25 μW	–40 dB [USA] 50 μW [TWN]	
F	Adjacent channel power	40	0 dB	
	External mic.connector	3-conductor 2	.5(d) mm/2.2 kΩ	
	Receiving system	Double conversion	on superheterodyne	
	Intermediate frequency		1.7 MHz 450 kHz	
出	Sensitivity (12 dB SINAD)	0.2 μV ;	:–14 dBμV	
RECEIVER	Adjcent chnnel selectivity	40 dB		
12	Spurious response	40) dB	
-	Intermoduration	4() dB	
	Audio output power	100 mW at 10% dist	ortion with an 8 Ω load	
	External SP connector	2-conductor 3.5	i (d) mm (½")/8 Ω	

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

■ CHANNEL FREQUENCY LIST

• IC-4008E [EUR]

Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)
1	433.0750	24	433.6500	47	434.2250
2	433.1000	25	433.6750	48	434.2500
3	433.1250	26	433.7000	49	434.2750
4	433.1500	27	433.7250	50	434.3000
5	433.1750	28	433.7500	51	434.3250
6	433.2000	29	433.7750	52	434.3500
7	433.2250	30	433.8000	53	434.3750
8	433.2500	31	433.8250	54	434.4000
9	433.2750	32	433.8500	55	434.4250
10	433.3000	33	433.8750	56	434.4500
11	433.3250	34	433.9000	57	434.4750
12	433.3500	35	433.9250	58	434.5000
13	433.3750	36	433.9500	59	434.5250
14	433.4000	37	433.9750	60	434.5500
15	433.4250	38	434.0000	61	434.5750
16	433.4500	39	434.0250	62	434.6000
17	433.4750	40	434.0500	63	434.6250
18	433.5000	41	434.0750	64	434.6500
19	433.5250	42	434.1000	65	434.6750
20	433.5500	43	434.1250	66	434.7000
21	433.5750	44	434.1500	67	434.7250
22	433.6000	45	434.1750	68	434.7500
23	433.6250	46	434.2000	69	434.7750

• IC-4008A [USA]

Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)
1	462.5625	6	462.6875	11	467.6375
2	462.5875	7	462.7125	12	467.6625
3	462.6125	8	467.5625	13	467.6875
4	462.6375	9	467.5875	14	467.7125
5	462.6625	10	467.6125		

• IC-4008A [TWN]

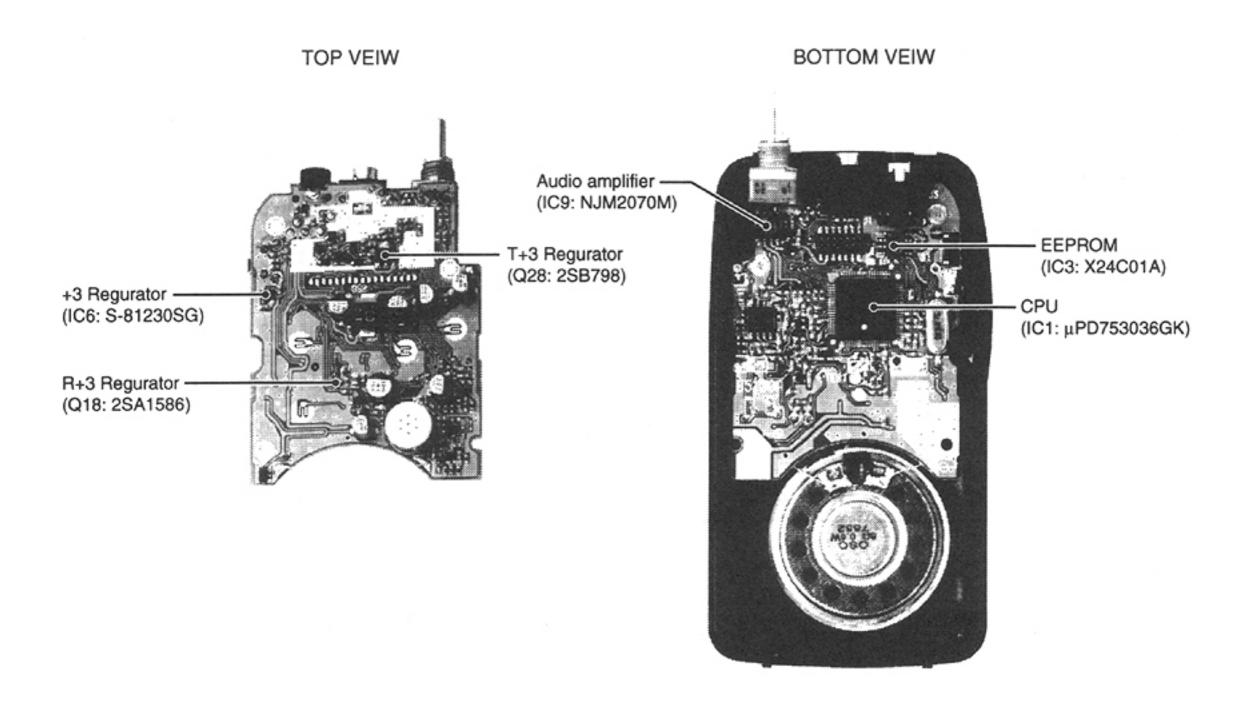
Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)
1	467.5125	6	467.5750	11	467.6375
2	467.5250	7	467.5875	12	467.6500
3	467.5375	8	467.6000	13	467.6625
4	467.5500	9	467.6125	14	467.6750
5	467.5625	10	467.6250		

■CTCSS FREQUENCY LIST

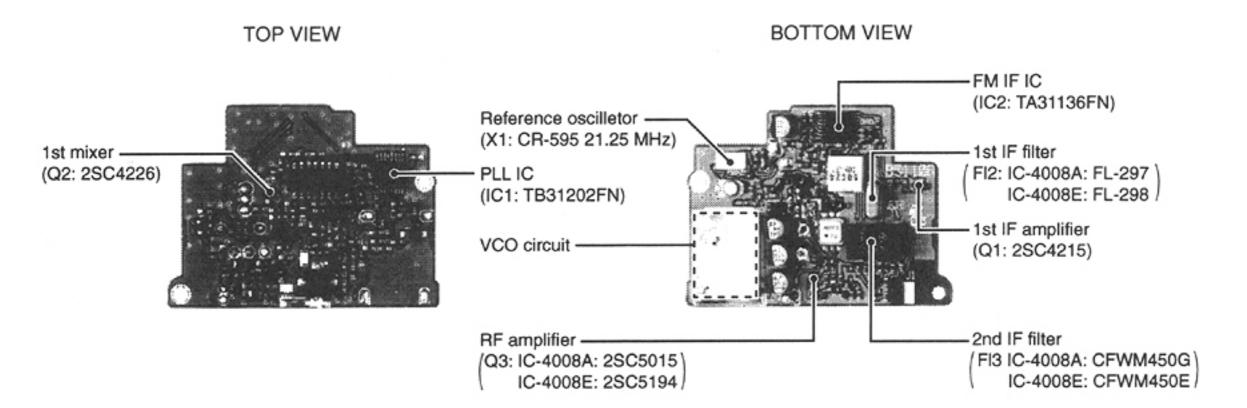
Channel No.	Frequency (Hz)	Channel No.	Frequency (Hz)	Channel No.	Frequency (Hz)
1	67.0	14	107.2	27	167.9
. 2	71.9	15	110.9	28	173.8
3	74.4	16	114.8	29	179.9
4	77.0	17	118.8	30	186.2
5	79.7	18	123.0	31	192.8
6	82.5	19	127.3	32	203.5
7	85.4	20	131.8	33	210.7
8	88.5	21	136.5	34	218.1
9	91.5	22	141.3	35	225.7
10	94.8	23	146.2	36	233.6
11	97.4	24	151.4	37	241.8
12	100.0	25	156.7	38	250.3
13	103.5	26	162.2		OFF

SECTION 2 INSIDE VIEWS

MAIN UNIT



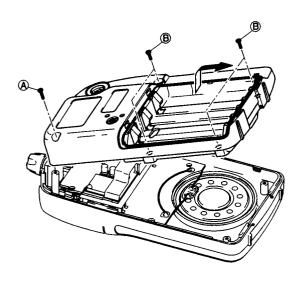
RF UNIT



SECTION 3 DISASEMBLY INSTRUCTIONS

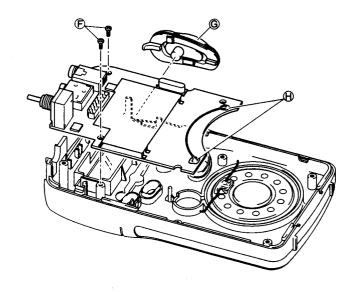
• REMOVING THE REAR PANEL

- ① Unscrew 1 screw A, and 4 screws B.
- ② Remove the rear panel in the direction of the arrow.



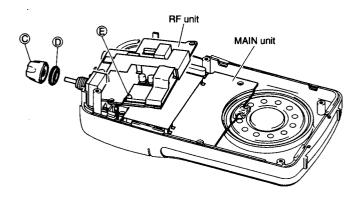
• REMOVING THE MAIN UNIT

- ① Unscrew 2 screw, ⑤.
- 2 Remove the PTT rubber, @.



• REMOVING THE RF UNIT

- ①. Remove 1 knob, ©, and unscrew 1 nut, ®.
- 2 Unsolder 1 point, ©, and then remove the RF unit.



SECTION 4 CIRCUIT DESCRIPTION

4-1 RECEIVER CIRCUITS

4-1-1 ANTENNA SWITCHING CIRCUIT (RF UNIT)

• IC-4008E

Received signals from the antenna connector are passed through the low-pass filter (L5, L6, C8, C10–C12). The filtered signals are applied to the $\frac{1}{2}$ 4 type antenna switching circuit (D6). The passed signals are then applied to the RF amplifier circuit.

• IC-4008A

Received signals from the antenna connector are passed through the low-pass filter (L5, L6, C8–C12). The filtered signals are applied to the $\frac{1}{2}$ 4 type antenna switching circuit (D101, D102, L4, L206, C209, C210).

The antenna switching circuit functions as a low-pass filter while receiving. However, its impedance becomes very high while D101 and D102 are turned ON (while transmitting). Thus transmit signals are blocked from entering the receiver circuits. The passed signals are then applied to the RF amplifier circuit.

4-1-2 RF CIRCUIT (RF UNIT)

The RF circuit amplifies signals within the range of frequency coverage and filters out-of-band signals.

The signals from the antenna switching circuit are amplified at the RF amplifier (Q3) and passed through the bandpass filter (FI1) to suppress out-of-band signals. The filtered signals are applied to the 1st mixer circuit.

4-1-3 1st MIXER AND 1st IF CIRCUITS (RF UNIT)

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

The signals from the bandpass filter are mixed at the 1st mixer circuit (Q2) with a 1st LO signal coming from the VCO circuit to produce a 21.7 MHz 1st IF signal.

The 1st IF signal is applied to a crystal filter (FI2) to suppress out-of-band signals. The filtered 1st IF signal is applied to the IF amplifier (Q1), then applied to the 2nd mixer circuit (IC2, pin 16).

4-1-4 2nd MIXER AND DEMODULATOR CIRCUITS (RF UNIT)

The 2nd mixer circuit converts the 1st IF signal to a 2nd IF signal. A double conversion superheterodyne system (which converts receive signals twice) improves the image rejection ratio and obtains stable receiver gain.

The 1st IF signal from the IF amplifier (Q1) is applied to the 2nd mixer section in the FM IF IC (IC2, pin 16), and is mixed with the 2nd LO signal to be converted into a 450 kHz 2nd IF signal.

The FM IF IC contains a 2nd mixer, quadrature detector, noise amplifier and a limiter amplifier, etc. The PLL reference oscillator (X1) is used for the 2nd LO signal via the PLL IC (IC1, pins 11, 9), and is applied to pin 1 of the FM IF IC.

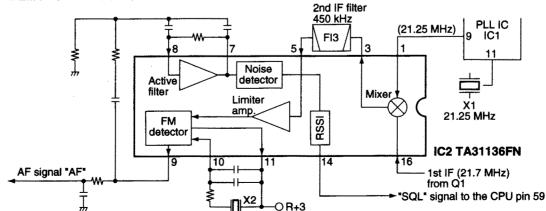
The mixed 2nd IF signal is output from pin 3 and passed through the ceramic bandpass filter (FI3) to remove unwanted heterodyne frequencies. It is then amplified at the limiter amplifier section (IC2, pin 5) and applied to the quadrature detector section (IC2, pins 10, 11) to demodulate the 2nd IF signal into AF signals.

4-1-5 AF CIRCUIT (RF AND MAIN UNITS)

AF signals from the FM IF IC (RF unit; IC2, pin 9) are passed through the high-pass filter (RF unit; Q15, Q16) to remove CTCSS signals then applied to the MAIN unit via J2 pin 10 as the "VOL" signal.

The "VOL" signal (AF signals) from the RF unit is applied to the [VOL] control (MAIN unit; R58) to control the audio level via the volume mute switch (Q23). The level controlled AF signals are applied to the AF power amplifier (IC9, pin 2) to drive an internal speaker (SP1) via the [SP] jack (J1).

•2nd IF AND DEMODULATOR CIRCUITS



4-1-6 SQUELCH CIRCUIT (RF AND MAIN UNITS) (1) NOISE SQUELCH

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

A portion of the AF signals from the FM IF IC (RF unit; IC2, pin 9) are applied to the active filter section (RF unit; IC2, pin 8). The active filter section amplifies and filters noise components. The filtered signals are applied to the noise detector section and output from pin 14 as the "SQL" signal.

The "SQL" signal from IC2 (pin14) is applied to the CPU (MAIN unit; IC1, pin 59). The CPU analyzes the noise condition and outputs the "RMUT" and "AFON" signals to toggle the volume mute (MAIN unit; Q23) and AF mute (MAIN unit; Q5, Q10, Q11) switches.

(2) TONE SQUELCH

The tone squelch circuit detects AF signals and opens the squelch only when receiving a signal containing a matching subaudible tone (CTCSS). When tone squelch is in use, and a signal with a mismatched or no subaudible tone is received, the tone squelch circuit mutes the AF signals even when noise squelch is open.

A portion of the AF signals from the FM IF IC (RF unit; IC2, pin 9) passes through the tone low-pass filter (MAIN unit; Q7, Q12) to remove AF (voice) signals and is applied to the CTCSS decoder inside the CPU (MAIN unit; IC1, pin 58) via the "CTCIN" line to control the volume mute and AF mute switches.

4-2 TRANSMITTER CIRCUITS 4-2-1 MICROPHONE AMPLIFIER CIRCUIT (MAIN UNIT)

AF signals from the internal/external microphone are applied to the microphone amplifier circuit (IC2b) via the microphone switch (Q6). The amplified signals are passed through the low-pass filter (IC2a) and applied to the modulation circuit in the RF unit via J4 pin 5 as the MOD signal.

4-2-2 MODULATION CIRCUIT (RF UNIT)

The filtered audio signals from the MAIN unit are passed through the deviation adjustment pot (R50) then applied to the modulation circuit (D4, D5) to modulate transmit signals at the VCO circuit (Q6).

The modulated signal is applied to the drive amplifier circuit.

4-2-3 DRIVE/POWER AMPLIFIER CIRCUITS (RF UNIT)

The amplifier circuit amplifies the VCO oscillating signal to the output power level.

• IC-4008E

The signal from the buffer amplifier (Q10) is passed through the Tx/Rx switching circuit (D2), and are amplified at the drive amplifier (Q9) and the power amplifiers (Q18) to obtain 10 mW of RF power

The amplified transmit signal is passed through the antenna switching circuit (D6) and low-pass filter, and is then applied to the antenna.

• IC-4008A

The modulated transmit signal is amplified at the pre-drive and drive amplifiers (Q8, Q201) after being amplified at the buffer amplifier (Q7). The amplified signal is power amplified at the power amplifier (Q202) to obtain 500 mW of RF power.

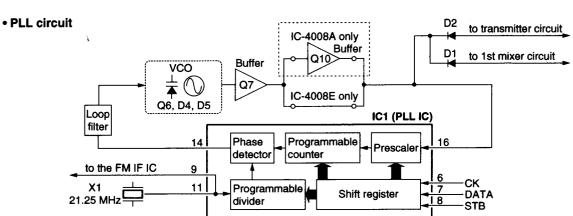
The power amplified signal is then applied to the antenna via the low-pass filter circuits.

4-3 PLL CIRCUITS (RF UNIT)

A PLL circuit provides stable oscillation of the transmit frequency and receive 1st LO frequency. The PLL output compares the phase of the divided VCO frequency to the reference frequency. The PLL output frequency is controlled by the divided ratio (N-data) of a programmable divider.

The PLL circuit consists of the VCO circuit (Q6). An oscillated signal from the VCO passes through the buffer amplifier(s) (Q7 for IC-4008A/E, Q10 for IC-4008E only) is applied to the PLL IC (IC1, pin16) and is prescaled in the PLL IC based on the divided ratio (N-data). The reference signal is generated at the reference oscillator (X1) and is also applied to the PLL IC. The PLL IC detects the out-of-step phase using the reference frequency and outputs it from pin 14. The output signal is passed through the loop filter (R45, C68) and is then applied to the VCO circuit as the lock voltage.

If the oscillated signal drifts, its phase changes from that of the reference frequency, causing a lock voltage change to compensate for the drift in the oscillated frequency.



4-4 POWER SUPPLY CIRCUITS VOLTAGE LINE

LINE	DESCRIPTION
BATT	The voltage from the connected battery pack.
3V	Common 3 V converted from the BATT line at the 3V regulator circuit (IC6). The circuit outputs the voltage regardless of the power ON/OFF condition.
+3V	Common 3 V converted from the BATT line at the +3V regulator circuit (Q25, D4).
R+3	Receive 3 V cotrolled by the R+3 regulator circuit (Q18) using the "RXV" signal from CPU (IC1).
T+3	Transmit 3 V converted from the BATT line at the T+3 regulator circuit (Q27, Q28, D5, etc.) using the "TXV" signal coming from CPU (IC1).

4-5 PORT ALLOCATIONS

4-5-1	CPU	(MAIN	unit;	IC1))
					•

Pin number	Port name	Description
31	PTT2	Input port for the PTT switch from the external mic jack (MAIN unit; J1). Low: External PTT switch is ON.
34	PTT1	Input port for the internal PTT switch. Low: While PTT switch is pushed.
35	DOWN	Input port for the [DOWN] switch.
36	UP	Input port for the [UP] switch.
37	MODE	Input port for the [MODE] switch.
38	POWSW	Input port for the POWER switch. Low: While POWER switch is pushed.
45	UNLK	Input port for PLL unlock signal from the PLL IC (RF unit; IC1). Low: During unlock.
46	BEEP	Outputs beep audio signal.
48	RMUTE	Outputs volume mute switch (Q23) control signal. High: While squelched
49	AFON	Outputs control signal for the AF amplifier regulator circuit (Q5, Q10, Q11). High: When squelch is open.
50	PLLCK	Outputs clock signal to the PLL IC (RF unit; IC1).

Pin	Port	
number	name	Description
51	PLLDA	Outputs data signals to the PLL IC (RF unit; IC1).
52	PLLST	Outputs strobe signals for the PLL IC (RF unit; IC1).
53	POWER	Outputs control signal for the +3V regulator circuit (MAIN unit; Q25, D4).
54–56	CTCO0- CTCO2	Output port for the CTCSS signals.
57	TXMOD	Outputs control signal for the Mic amplifier (IC2). Low: While microphone amplifier is ON.
58	CTCIN	Input port for the CTCSS decode signals.
59	SQLIN	Input port for squelch level signal.
60	REMIN	Input ports for the control signal from the external remote microphone.
61	BATIN	Input port form the connected battery pack for low battery indication.
62	SENIN	Input port for the RSSI signal from the FM IF IC (RF unit; IC2) to detect receiving signal strength level.
73	EEPCK	Outputs clock signal to the EEPROM (IC3).
74	EEPDA	Outputs data signals to the EEPROM (IC3).
75	PSC	Output port for power save function, applied to VCO regurator circuit (RF unit; Q13, Q14, D8, D9).
76	RXV	Outputs the R+3 regulator control signal (Q25, D4).
77	TXV	Outputs the T+3 regulator control signal (Q27, Q28, D5, etc.).
78	LAMP0	Outputs control signal for LCD backlight. Low: While LCD backlight is ON.
79	MICSW	Outputs internal microphone control signal. High: While internal PTT switch is pushed.
80	MMUTE	Outputs MIC mute signal for RING function. High: While RING signals are output, etc.

SECTION 5 ADJUSTMENT PROCEDURES

5-1 PREPARATION

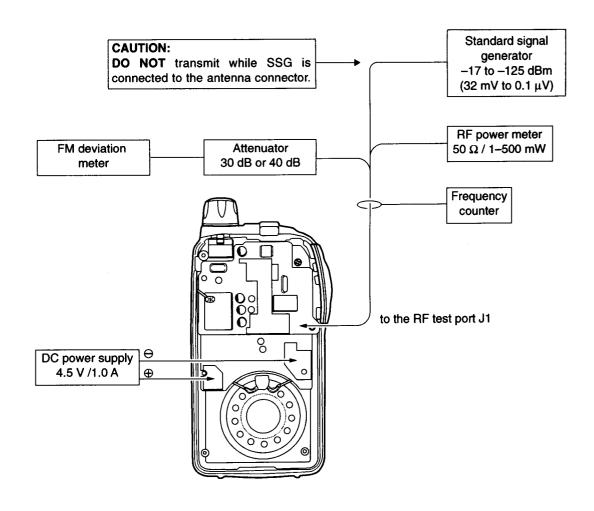
■ REQUIRED TEST EQUIPMENT

EQUIPMENT	GRADE	AND RANGE	EQUIPMENT	GRADE	AND RANGE
DC power supply		: 4.5 V DC : 1 A or more	Audio generator	Frequency range Measuring range	: 300–3000 Hz : 1–500 mV
RF power meter (terminated type)	Frequency range Impedance	: 1 mW–1 W : 300–600 MHz : 50 Ω	Standard signal generator (SSG)	Frequency range Output level	: 0.1–600 MHz : 0.1 µV–32 mV (–127 to –17 dBm)
	Frequency range	: Less than 1.2 : 1 : 0.1–600 MHz	Oscilloscope	Frequency range Measuring range	: DC-20 MHz : 0.01-10 V
Frequency counter	Frequency accuracy Sensitivity	: ±1 ppm or better : 100 mV or better	AC millivoltmeter	Measuring range	: 10 mV-10 V
FM deviation meter	Frequency range	: 30–600 MHz : 0 to ±10 kHz	External speaker	Input impedance Capacity	: 8 Ω : 300 mW or more
DC voltmeter	initiating tange	: 50 kΩ/V DC or better	Attenuator	Power attenuation Capacity	: 30 or 40 dB : 1 W or more

■ ENTERING THE ADJUSTMENT MODE

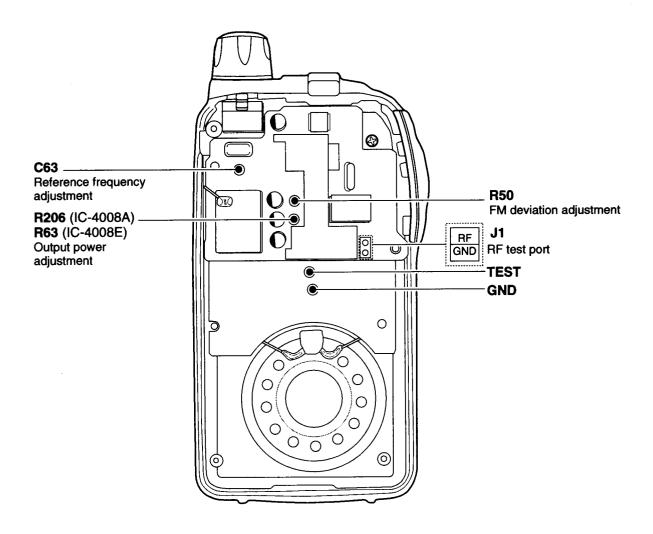
- 1) Turn the transceiver power OFF.
- ②While connecting the "TEST" and "GND" on the RF board, then turn power ON. (See location at page 5-3)

■ CONNECTIONS



5-2 ADJUSTMENT

ADJUSTMEN	۷T	ADJUSTMENT CONDITION		MEASUREMENT	VALUE	3	STMENT DINT
			UNIT	LOCATION		UNIT	ADJUST
REFERENCE FREQUENCY	1	Operating channel : Ch 01 [USA], [TWN] Ch 35 [EUR] Transmitting	Top panel	Loosely couple a frequency counter to the antenna.		RF	C63
OUTPUT POWER	1	Operating channel : Ch 01 [USA], [TWN] Ch 35 [EUR] Transmitting	RF	Connect an RF power meter to the RF test port J1.		RF	R206 [4008A] R63 [4008E]
FM DEVIATION		Operating channel: Ch 01 [USA], [TWN] Ch 35 [EUR] Connect an audio generator to the [MIC] jack and set as: 1 kHz/100 mV rms Set an FM deviation meter as: HPF : OFF LPF : 20 kHz or 15 kHz De-emphasis : OFF Detector : (P-P)/2 Set group No. : 01 Transmitting	RF	Connect an FM deviation meter to the RF test port J1.	[4008A] ±4.8 kHz [4008E]	RF	R50
	2	Set group No. : OFF () Set an audio generator output level until the deviation is ±1.75 kHz. Transmitting			10 mV ±3dB		Verify
SQUELCH	1	Operating channel: Ch 08 Connect an SSG to J1 on the RF unit and set as: Level: 0.14 µV* (-124 dBm) Modulation: OFF Receiving	Front panel	Internal speaker		Front panel	Push and hold [MODE] and [DOWN]
	2	Set an SSG as : Level : OFF Receiving			Audio signal disappears.		Verify



SECTION 6 PARTS LIST

[MAIN UNIT]

REF	ORDER		DESCRIPTION
NO.	NO. 1140006881	S.IC	μPD753036GK-524-BE9
IC2	1110002820		NJM2100M-T1
IC3 IC5	1140004450 1110004710	1 .	X24C01AS-3.0T6 S-80928ANMP-DDR-T2
IC6	1180001150	i	S-81230SG-QB-T1
IC9	1110002810	S.IC	NJM2070M-T1
Q1	1500000720	S.TRANSISTOR	DTA144EUA T106
Q2	1590001860		UN9215 (TX)
Q3		S.TRANSISTOR	UN5119 (TX)
Q5 Q6	1510000580 1560000840		2SA1362-GR (TE85R) 2SK1829 (TE85R)
Q7		S.TRANSISTOR	2SC4081 T107 S
Q10	1	S.TRANSISTOR	2SC4081 T107 S
Q11 Q12		S.TRANSISTOR S.TRANSISTOR	2SC4213-B (TE85R) 2SC4081 T107 S
Q13		S.TRANSISTOR	DTC114EUA T106
Q14	l .	S.TRANSISTOR	DTA114EUA T106
Q18 Q23	1510000770 1590001390	S.TRANSISTOR	2SA1586-GR (TE85R) 2SJ144-Y (TE85R)
Q25		S.TRANSISTOR	UMZ2N TR
Q27		S.TRANSISTOR	2SC4081 T107 S
Q28 Q29		S.TRANSISTOR S.TRANSISTOR	2SB798-T2 DK DTC114EUA T106
Q101		S.TRANSISTOR	UMZ1N TR
			. – ,
D2	1750000550	S.DIODE	1SS355 TE-17
D3	1750000550	1	1SS355 TE-17
D4 D5	1750000550 1750000550		1SS355 TE-17 1SS355 TE-17
D101	1750000550	i	1SS355 TE-17 ▲ only
X 1	6050010450	S.XTAL	CR-627
R2		S.RESISTOR	ERJ3GEYJ 823 V (82 kΩ)
R4 R5	7030003670	S.RESISTOR S.RESISTOR	ERJ3GEYJ 823 V (82 kΩ) ERJ3GEYJ 125 V (1.2 MΩ)
R6	1	S.RESISTOR	ERJ3GEYJ 184 V (180 kΩ)
R7		S.RESISTOR	ERJ3GEYJ 122 V (1.2 kΩ)
R9 R10		S.RESISTOR S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ) ERJ3GEYJ 820 V (82 Ω)
R12	7030003200	S.RESISTOR	ERJ3GEYJ 100 V (10 Ω)
R13		S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ) ERJ3GEYJ 332 V (3.3 kΩ)
R14 R22		S.RESISTOR S.RESISTOR	ERJ3GEYJ 123 V (12 kΩ) [E]
	7030003620		ERJ3GEYJ 333 V (33 kΩ)
R23 R24	7030003580	S.RESISTOR S.RESISTOR	ERJ3GEYJ 153 V (15 kΩ) ERJ3GEYJ 155 V (1.5 MΩ)
R25	7030003570		ERJ3GEYJ 123 V (12 kΩ)
R26		S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ) ERJ3GEYJ 101 V (100 Ω)
R27 R30	7030003320 7030003660	S.RESISTOR S.RESISTOR	ERJ3GEYJ (61 V (100 Ω) ERJ3GEYJ 683 V (68 kΩ)
R31	7030003800	S.RESISTOR	ERJ3GEYJ 105 V (1 MΩ)
R32 R33		S.RESISTOR S.RESISTOR	ERJ3GEYJ 684 V (680 kΩ) ERJ3GEYJ 682 V (6.8 kΩ)
R34		S.RESISTOR	ERJ3GEYJ 682 V (6.8 kΩ)
R35	7030003520	S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ)
R36 R37	7030003560	S.RESISTOR S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ) ERJ3GEYJ 223 V (22 kΩ)
R38	7030003600	S.RESISTOR	ERJ3GEYJ 223 V (22 kΩ)
R39		S.RESISTOR	ERJ3GEYJ 823 V (82 kΩ)
R40		S.RESISTOR S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ) [E] ERJ3GEYJ 473 V (47 kΩ) A
R41	7030003530	S.RESISTOR	ERJ3GEYJ 562 V (5.6 kΩ)
R42 R43		S.RESISTOR S.RESISTOR	ERJ3GEYJ 392 V (3.9 kΩ) ERJ3GEYJ 683 V (68 kΩ)
R45		S.RESISTOR	ERJ3GEYJ 225 V (2.2 MΩ)
R46		S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)
R49 R50	7030003320	S.RESISTOR S.RESISTOR	ERJ3GEYJ 101 V (100 Ω) ERJ3GEYJ 472 V (4.7 kΩ)
R51	7030003760	S.RESISTOR	ERJ3GEYJ 474 V (470 kΩ)
R52	7030003740	S.RESISTOR	ERJ3GEYJ 334 V (330 kΩ)

[MAIN UNIT]

REF NO. DESCRIPTION	[m/All	UNIT		
17030003405 S. RESISTOR ERJ3GEYJ 122 V (12 Mg) 17030003300 S. RESISTOR ERJ3GEYJ 180 V (1 Mg) 17030003600 S. RESISTOR ERJ3GEYJ 100 V (1 Mg) 17030003600				DESCRIPTION
R56		1		
R56		1	1	
R58		1	1	
R86			1	
R60				
ELUIR, TWNI) only				
R63				
R64		1	1	
R65				
R66				
R66		ľ		EB 13GEV 1 183 V (18 KLZ)
R66		1		
R99	l .		1	
R70	R68	7030003590	S.RESISTOR	
R71 7030003620 S.RESISTOR ERJ3GEYJ 103 V (10 MΩ) R74 7030003660 S.RESISTOR ERJ3GEYJ 103 V (10 MΩ) R76 7030003400 S.RESISTOR ERJ3GEYJ 103 V (10 MΩ) R77 7030003400 S.RESISTOR ERJ3GEYJ 102 V (1 MΩ) ERJ3GEYJ 102 V (10 MΩ) R78 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 MΩ) ERJ3GEYJ 103 V (10 MΩ) R80 7030003600 S.RESISTOR ERJ3GEYJ 104 V (100 MΩ) ERJ3GEYJ 104 V (100 MΩ) R81 7030003600 S.RESISTOR ERJ3GEYJ 104 V (100 MΩ) ERJ3GEYJ 104 V (100 MΩ) R86 7030003600 S.RESISTOR ERJ3GEYJ 104 V (100 MΩ) S.RESISTOR R86 7030003600 S.RESISTOR ERJ3GEYJ 104 V (100 MΩ) S.RESISTOR R89 7030003440 S.RESISTOR ERJ3GEYJ 104 V (100 MΩ) S.RESISTOR R90 7030003680 S.RESISTOR ERJ3GEYJ 104 V (100 MΩ) S.RESISTOR R97 7030003680 S.RESISTOR ERJ3GEYJ 104 V (100 MΩ) S.RESISTOR R98 7030003680 S.RESISTOR ERJ3				
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R74 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) R76 7030003400 S.RESISTOR ERJ3GEYJ 104 V (100 kΩ) R77 7030003400 S.RESISTOR ERJ3GEYJ 102 V (1 kΩ) ER R79 7030003500 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) ER R80 7030003600 S.RESISTOR ERJ3GEYJ 104 V (220 kΩ) ER R80 7030003600 S.RESISTOR ERJ3GEYJ 104 V (100 kΩ) ER R86 7030003600 S.RESISTOR ERJ3GEYJ 104 V (100 kΩ) ER R87 7030003600 S.RESISTOR ERJ3GEYJ 104 V (100 kΩ) S.RESISTOR R87 7030003400 S.RESISTOR ERJ3GEYJ 104 V (100 kΩ) S.RESISTOR R89 7030003400 S.RESISTOR ERJ3GEYJ 102 V (1 kΩ) S.RESISTOR R94 7030003680 S.RESISTOR ERJ3GEYJ 104 V (100 kΩ) S.RESISTOR R95 7030003680 S.RESISTOR ERJ3GEYJ 104 V (100 kΩ) S.RESISTOR R98 7030003680 S.RESISTOR ERJ3GEYJ 104 V (100 kΩ) S.RESISTOR		1	1	
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R80				
R81			l .	
R86	i e			` '
R87 7030003800 S.RESISTOR ERJ3GEYJ 105 V (1 MΩ) R89 7030003440 S.RESISTOR ERJ3GEYJ 102 V (1 kΩ) R90 7030003440 S.RESISTOR ERJ3GEYJ 102 V (1 kΩ) R94 7030003720 S.RESISTOR ERJ3GEYJ 102 V (1 kΩ) R94 7030003520 S.RESISTOR ERJ3GEYJ 104 V (100 kΩ) R95 7030003680 S.RESISTOR ERJ3GEYJ 104 V (100 kΩ) R96 7030003680 S.RESISTOR ERJ3GEYJ 104 V (100 kΩ) R97 7030003680 S.RESISTOR ERJ3GEYJ 104 V (100 kΩ) R98 7030003680 S.RESISTOR ERJ3GEYJ 104 V (100 kΩ) R98 7030003680 S.RESISTOR ERJ3GEYJ 104 V (100 kΩ) R100 7030003680 S.RESISTOR ERJ3GEYJ 104 V (100 kΩ) R101 7030003680 S.RESISTOR ERJ3GEYJ 104 V (100 kΩ) R102 7030003680 S.RESISTOR ERJ3GEYJ 104 V (100 kΩ) ERJ3GEYJ 104 V (100 kΩ) R105 7030003680 S.RESISTOR ERJ3GEYJ 104 V (100 kΩ) ERJ3GEYJ 104 V (100 kΩ) ERJ3GEYJ 104 V (100 kΩ) R105 7030003680 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) ERJ3GEYJ 104 V (100 kΩ) ERJ3GEYJ 105 V (10 kΩ) ERJ3GEYJ 100 V (10 kΩ) ERJ3GEYJ 10			1	
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R101				
R102 7030003680 S.RESISTOR ERJ3GEYJ 104 V (100 kΩ) R103 7030003680 S.RESISTOR ERJ3GEYJ 104 V (100 kΩ) R105 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) R106 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) R107 703000360 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) R111 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) R114 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) R115 7030003200 S.RESISTOR ERJ3GEYJ 100 V (10 Ω) ERJ3GEYJ 100 V (10 Ω) R116 7030003200 S.RESISTOR ERJ3GEYJ 100 V (10 Ω) ERJ3GEYJ 100 V (10 Ω) R117 703000320 S.RESISTOR ERJ3GEYJ 104 V (100 kΩ) Ø only R118 703000320 S.RESISTOR ERJ3GEYJ 104 V (100 kΩ) Ø only R118 7030003370 S.RESISTOR ERJ3GEYJ 104 V (100 kΩ) Ø only R201 7030003320 S.RESISTOR ERJ3GEYJ 104 V (100 kΩ) Ø only C1 4030001600 S.CERAMIC				
R105				
R106				
R108				ERJ3GEYJ 103 V (10 kΩ)
R110 7030003800 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) R114 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) R114 7030003200 S.RESISTOR ERJ3GEYJ 332 V (33 kΩ) R115 7030003200 S.RESISTOR ERJ3GEYJ 100 V (10 Ω) E R116 7030003200 S.RESISTOR ERJ3GEYJ 100 V (10 Ω) E only R117 7030003680 S.RESISTOR ERJ3GEYJ 100 V (10 Ω) E only only <t< td=""><td></td><td></td><td></td><td></td></t<>				
R112				
R115		7030003560	S.RESISTOR	
R116				
R116	R115			
R117 7030003680 S.RESISTOR ERJ3GEYJ 104 V (100 kΩ) ☑ only R118 7030003520 S.RESISTOR ERJ3GEYJ 472 V (4.7 kΩ) R201 7030003370 S.RESISTOR ERJ3GEYJ 271 V (270 Ω) ☑ only R202 7030003320 S.RESISTOR ERJ3GEYJ 101 V (100 Ω) ☑ only C1 4030001600 S.CERAMIC C1608 JB 1H 152K-T-A C3 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C5 4030006850 S.CERAMIC C1608 JB 1C 104KT-N C6 403001600 S.CERAMIC C1608 JB 1C 104KT-N C7 403001600 S.CERAMIC C1608 JB 1C 104KT-N C8 4510004630 S.CERAMIC C1608 JB 1C 104KT-N C9 4030006850 S.CERAMIC C1608 JB 1H 471K-T-A C11 4030006850 S.CERAMIC C1608 JB 1H 471K-T-A C15 403001600 S.CERAMIC C1608 JB 1C 104KT-N C15 403001600 S.CERAMIC C1608 JB 1C 104KT-N C15 403001600 S.CERAMIC C1608 JB 1C 104KT-N C1608 </td <td>D116</td> <td></td> <td></td> <td></td>	D116			
R118				
R202 7030003320 S.RESISTOR ERJ3GEYJ 101 V (100 Ω)				
C1		7030003370	S.RESISTOR	
C3	R202	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω) 🔼 only
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C4				
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C18	C15	4030011600	S.CERAMIC	
C20				
C21				
C24				
C25 4030006850 S.CERAMIC C1608 JB 1H 471K-T-A				
C26 4030006850 S.CERAMIC C1608 JB 1H 471K-T-A	C25	4030006850	S.CERAMIC	C1608 JB 1H 471K-T-A
	C26	4030006850	S.CERAMIC	C1608 JB 1H 471K-T-A

A: IC-4008A, E: IC-4008E

[MAIN UNIT]

NO. DESCRIPTION	REF	ORDER		
C28 4030008820 S.CERAMIC C1608 JB 1C 473K-T-A C31 4030008880 S.CERAMIC C1608 JB 1C 223K-T-A C32 4030001800 S.CERAMIC C1608 JB 1C 104KT-N C34 403000880 S.CERAMIC C1608 JB 1C 104KT-N C34 403001800 S.CERAMIC C1608 JB 1C 104KT-N C36 4030006800 S.CERAMIC C1608 JB 1C 104KT-N C40 4030011900 S.CERAMIC C1608 JB 1C 104KT-N C44 4030006900 S.CERAMIC C1608 JB 1C 104KT-N C45 4030009650 S.CERAMIC C1608 JB 1C 104KT-N C46 4030009650 S.CERAMIC C1608 JB 1C 104KT-N C47 4030006850 S.CERAMIC C1608 JB 1C 104KT-N C48 450000530 S.CERAMIC C1608 JB 1C 104KT-N C51 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C52 4510005800 S.LECTROLYTIC C1608 JB 1C 104KT-N C53 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C54 4030011600			ı	DESCRIPTION
C31 4030008880 S.CERAMIC C1609 JB 10 C 223K-T-A C34 4030006880 S.CERAMIC C1609 JB 10 C104KT-N C35 4030006800 S.CERAMIC C1608 JB 11 C104KT-N C36 4030006800 S.CERAMIC C1608 JB 11 C104KT-N C40 4030006900 S.CERAMIC C1608 JB 11 C104KT-N C44 4030006900 S.CERAMIC C1608 JB 11 C104KT-N C44 4030009650 S.CERAMIC C1608 JB 11 C104KT-N C45 4030009650 S.CERAMIC C1608 CH 11 240J-T-A C46 4030009650 S.CERAMIC C1608 CH 11 240J-T-A C47 4030011600 S.CERAMIC C1608 JB 11 C104KT-N C48 4510005430 S.ELECTROLYTIC ECEVAJA22OSR C49 4030011600 S.CERAMIC C1608 JB 11 C104KT-N C51 4030011600 S.CERAMIC C1608 JB 11 C104KT-N C52 4510005870 S.ELECTROLYTIC ECEVHARZESR C53 4030011600 S.CERAMIC C1608 JB 11 C104KT-N C55 4030011600 S.CERAMIC C1608 JB 11 C104KT-N C55 4030011600 S.CERAMIC C1608 JB 11 C104KT-N C61 4030011600 S.CERAMIC				
C31 4030008880 S.CERAMIC C1609 JB 10 C 223K-T-A C34 4030006880 S.CERAMIC C1609 JB 10 C104KT-N C35 4030006800 S.CERAMIC C1608 JB 11 C104KT-N C36 4030006800 S.CERAMIC C1608 JB 11 C104KT-N C40 4030006900 S.CERAMIC C1608 JB 11 C104KT-N C44 4030006900 S.CERAMIC C1608 JB 11 C104KT-N C44 4030009650 S.CERAMIC C1608 JB 11 C104KT-N C45 4030009650 S.CERAMIC C1608 CH 11 240J-T-A C46 4030009650 S.CERAMIC C1608 CH 11 240J-T-A C47 4030011600 S.CERAMIC C1608 JB 11 C104KT-N C48 4510005430 S.ELECTROLYTIC ECEVAJA22OSR C49 4030011600 S.CERAMIC C1608 JB 11 C104KT-N C51 4030011600 S.CERAMIC C1608 JB 11 C104KT-N C52 4510005870 S.ELECTROLYTIC ECEVHARZESR C53 4030011600 S.CERAMIC C1608 JB 11 C104KT-N C55 4030011600 S.CERAMIC C1608 JB 11 C104KT-N C55 4030011600 S.CERAMIC C1608 JB 11 C104KT-N C61 4030011600 S.CERAMIC		4030008920	S.CERAMIC	
C42 4030006900 S.CERAMIC C1608 JB 1E 103K-T-A C44 4030006900 S.CERAMIC C1608 JB 1E 103K-T-A C45 4030006950 S.CERAMIC C1608 JB 1E 103K-T-A C47 4030006850 S.CERAMIC C1608 JB 1E 103K-T-A C47 4030006850 S.CERAMIC C1608 JB 1H 471K-T-A C47 403001600 S.CERAMIC C1608 JB 1H 471K-T-A C47 403001600 S.CERAMIC C1608 JB 1E 104KT-N C50 403001600 S.CERAMIC C1608 JB 1E 104KT-N C51 403001600 S.CERAMIC C1608 JB 1E 104KT-N C52 4510005860 S.ELECTROLYTIC ECEVINA2R2SR C53 403001600 S.CERAMIC C1608 JB 1C 104KT-N C1608 JB 1C		4030008880	S.CERAMIC	
C42 4030006900 S.CERAMIC C1608 JB 1E 103K-T-A C44 4030006900 S.CERAMIC C1608 JB 1E 103K-T-A C45 4030006950 S.CERAMIC C1608 JB 1E 103K-T-A C47 4030006850 S.CERAMIC C1608 JB 1E 103K-T-A C47 4030006850 S.CERAMIC C1608 JB 1H 471K-T-A C47 403001600 S.CERAMIC C1608 JB 1H 471K-T-A C47 403001600 S.CERAMIC C1608 JB 1E 104KT-N C50 403001600 S.CERAMIC C1608 JB 1E 104KT-N C51 403001600 S.CERAMIC C1608 JB 1E 104KT-N C52 4510005860 S.ELECTROLYTIC ECEVINA2R2SR C53 403001600 S.CERAMIC C1608 JB 1C 104KT-N C1608 JB 1C	C32	4030011600	S.CERAMIC	
C42 4030006900 S.CERAMIC C1608 JB 1E 103K-T-A C44 4030006900 S.CERAMIC C1608 JB 1E 103K-T-A C45 4030006950 S.CERAMIC C1608 JB 1E 103K-T-A C47 4030006850 S.CERAMIC C1608 JB 1E 103K-T-A C47 4030006850 S.CERAMIC C1608 JB 1H 471K-T-A C47 403001600 S.CERAMIC C1608 JB 1H 471K-T-A C47 403001600 S.CERAMIC C1608 JB 1E 104KT-N C50 403001600 S.CERAMIC C1608 JB 1E 104KT-N C51 403001600 S.CERAMIC C1608 JB 1E 104KT-N C52 4510005860 S.ELECTROLYTIC ECEVINA2R2SR C53 403001600 S.CERAMIC C1608 JB 1C 104KT-N C1608 JB 1C		4030006880	S.CERAMIC	
C42 4030006900 S.CERAMIC C1608 JB 1E 103K-T-A C44 4030006900 S.CERAMIC C1608 JB 1E 103K-T-A C45 4030006950 S.CERAMIC C1608 JB 1E 103K-T-A C47 4030006850 S.CERAMIC C1608 JB 1E 103K-T-A C47 4030006850 S.CERAMIC C1608 JB 1H 471K-T-A C47 403001600 S.CERAMIC C1608 JB 1H 471K-T-A C47 403001600 S.CERAMIC C1608 JB 1E 104KT-N C50 403001600 S.CERAMIC C1608 JB 1E 104KT-N C51 403001600 S.CERAMIC C1608 JB 1E 104KT-N C52 4510005860 S.ELECTROLYTIC ECEVINA2R2SR C53 403001600 S.CERAMIC C1608 JB 1C 104KT-N C1608 JB 1C		4030011600	S.CERAMIC S.CERAMIC	
C49		4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C49	_	4030006900	S.CERAMIC	C1608 JB 1E 103K-T-A
C49		4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C49		4030009650	S.CERAMIC	C1608 CH 1H 2403-1-A
C49		4030006850	S.CERAMIC	C1608 JB 1H 4/ IK-1-A
C50				
C51				
C53 4030011600 S.CERAMIC C1608 JB IC 104KT-N C54 4030011600 S.CERAMIC C1608 JB IC 104KT-N C55 4030011600 S.CERAMIC C1608 JB IC 104KT-N C57 403001600 S.CERAMIC C1608 JB IC 104KT-N C59 403001600 S.CERAMIC C1608 JB IC 104KT-N C61 4030011600 S.CERAMIC C1608 JB IC 104KT-N C61 4030011600 S.CERAMIC C1608 JB IC 104KT-N C62 4030011600 S.CERAMIC C1608 JB IC 104KT-N C64 4510005430 S.ELECTROLYTIC ECEVUA2220SR C65 4030011600 S.CERAMIC C1608 JB IC 104KT-N C67 403001600 S.CERAMIC C1608 JB IC 104KT-N C74 403001600 S.CERAMIC C1608 JB IC 104KT-N C75 4030006860 S.CERAMIC C1608 JB IC 104KT-N C73 4030006860 S.CERAMIC C1608 JB IC 104KT-N C75 4030006860 S.CERAMIC C1608 JB IC 104KT-N C75 4030006860 <td< td=""><td></td><td>4030011600</td><td>S.CERAMIC</td><td>C1608 JB 1C 104KT-N</td></td<>		4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C54				
C55 4510005870 S.ELECTROLYTIC ECEV1HA3R3SR 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C59 4030001600 S.CERAMIC C1608 JB 1C 104KT-N C60 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C61 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C62 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C63 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C63 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C64 4510005430 S.ELECTROLYTIC ECEV0JA220SR C65 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C67 4030006800 S.CERAMIC C2012 JF 1C 1052-T-A C71 403001600 S.CERAMIC C1608 JB 1C 104KT-N C72 4030006800 S.CERAMIC C1608 JB 1C 104KT-N C73 4030006800 S.CERAMIC C1608 JB 1H 328K-T-A C74 4030006800 S.CERAMIC C1608 JB 1H 102K-T-A C75 4030006800 S.CERAMIC C1608 JB 1H 102K-T-A C76 4030006800 S.CERAMIC C1608 JB 1H 102K-T-A C77 4030006800 S.CERAMIC C1608 JB 1H 102K-T-A C77 4030006800 S.CERAMIC C1608 JB 1C 104KT-N C77 4030006800 S.CERAMIC C1608 JB 1H 471K-T-A 60 only C77 4030006800 S.CERAMIC C1608 JB 1H 471K-T-A 60 only C77 4030006800 S.CERAMIC C1608 JB 1H 471K-T-A 60 only C77 4030006800 S.CERAMIC C1608 JB 1H 471K-T-A 60 only C77 4030006800 S.CERAMIC C1608 JB 1H 471K-T-A 60 only C77 4030006800 S.CERAMIC C1608 CH 1H 331J-T-A 60 only C77 40300010760 S.CERAMIC C1608 CH 1H 331J-T-A 60 only C77 403000130 C0NNECTOR HSJ1102-01-540 HSJ1493-01-010 HSJ1493-01-010		4030011600	S.CERAMIC	
C56		l 4510005870	S.ELECTROLYTIC	ECEV1HA3R3SR
C63 4030011600 S.ELECTROLYTIC ECEV0JA220SR C64 4510005430 S.ELECTROLYTIC ECEV0JA220SR C65 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C67 4030006800 S.CERAMIC C2012 JF 1C 105Z-T-A C71 4030006800 S.CERAMIC C1608 JB 1C 104KT-N C72 4030006800 S.CERAMIC C1608 JB 1H 102K-T-A C73 4030006800 S.CERAMIC C1608 JB 1H 102K-T-A C75 4030006800 S.CERAMIC C1608 JB 1C 104KT-N C79 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C81 4030008900 S.CERAMIC C1608 JB 1C 333K-T-A C82 4030008920 S.CERAMIC C1608 JB 1C 104KT-N C83 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C84 4030008680 S.CERAMIC C1608 JB 1C 104KT-N C85 403001600 S.CERAMIC C1608 JB 1H 471K-T-A Annly C86 4030006850 S.CERAMIC C1608 JB 1H 471K-T-A Annly		4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C63 4030011600 S.ELECTROLYTIC ECEV0JA220SR C64 4510005430 S.ELECTROLYTIC ECEV0JA220SR C65 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C67 4030006800 S.CERAMIC C2012 JF 1C 105Z-T-A C71 4030006800 S.CERAMIC C1608 JB 1C 104KT-N C72 4030006800 S.CERAMIC C1608 JB 1H 102K-T-A C73 4030006800 S.CERAMIC C1608 JB 1H 102K-T-A C75 4030006800 S.CERAMIC C1608 JB 1C 104KT-N C79 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C81 4030008900 S.CERAMIC C1608 JB 1C 333K-T-A C82 4030008920 S.CERAMIC C1608 JB 1C 104KT-N C83 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C84 4030008680 S.CERAMIC C1608 JB 1C 104KT-N C85 403001600 S.CERAMIC C1608 JB 1H 471K-T-A Annly C86 4030006850 S.CERAMIC C1608 JB 1H 471K-T-A Annly		4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C63 4030011600 S.ELECTROLYTIC ECEV0JA220SR C64 4510005430 S.ELECTROLYTIC ECEV0JA220SR C65 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C67 4030006800 S.CERAMIC C2012 JF 1C 105Z-T-A C71 4030006800 S.CERAMIC C1608 JB 1C 104KT-N C72 4030006800 S.CERAMIC C1608 JB 1H 102K-T-A C73 4030006800 S.CERAMIC C1608 JB 1H 102K-T-A C75 4030006800 S.CERAMIC C1608 JB 1C 104KT-N C79 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C81 4030008900 S.CERAMIC C1608 JB 1C 333K-T-A C82 4030008920 S.CERAMIC C1608 JB 1C 104KT-N C83 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C84 4030008680 S.CERAMIC C1608 JB 1C 104KT-N C85 403001600 S.CERAMIC C1608 JB 1H 471K-T-A Annly C86 4030006850 S.CERAMIC C1608 JB 1H 471K-T-A Annly		4030006850	S.CERAMIC	C1608 JB 1H 471K-T-A
C63 4030011600 S.ELECTROLYTIC ECEV0JA220SR C64 4510005430 S.ELECTROLYTIC ECEV0JA220SR C65 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C67 4030006800 S.CERAMIC C2012 JF 1C 105Z-T-A C71 4030006800 S.CERAMIC C1608 JB 1C 104KT-N C72 4030006800 S.CERAMIC C1608 JB 1H 102K-T-A C73 4030006800 S.CERAMIC C1608 JB 1H 102K-T-A C75 4030006800 S.CERAMIC C1608 JB 1C 104KT-N C79 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C81 4030008900 S.CERAMIC C1608 JB 1C 333K-T-A C82 4030008920 S.CERAMIC C1608 JB 1C 104KT-N C83 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C84 4030008680 S.CERAMIC C1608 JB 1C 104KT-N C85 403001600 S.CERAMIC C1608 JB 1H 471K-T-A Annly C86 4030006850 S.CERAMIC C1608 JB 1H 471K-T-A Annly		4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C63 4030011600 S.ELECTROLYTIC ECEV0JA220SR C64 4510005430 S.ELECTROLYTIC ECEV0JA220SR C65 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C67 4030006800 S.CERAMIC C2012 JF 1C 105Z-T-A C71 4030006800 S.CERAMIC C1608 JB 1C 104KT-N C72 4030006800 S.CERAMIC C1608 JB 1H 102K-T-A C73 4030006800 S.CERAMIC C1608 JB 1H 102K-T-A C75 4030006800 S.CERAMIC C1608 JB 1C 104KT-N C79 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C81 4030008900 S.CERAMIC C1608 JB 1C 333K-T-A C82 4030008920 S.CERAMIC C1608 JB 1C 104KT-N C83 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C84 4030008680 S.CERAMIC C1608 JB 1C 104KT-N C85 403001600 S.CERAMIC C1608 JB 1H 471K-T-A Annly C86 4030006850 S.CERAMIC C1608 JB 1H 471K-T-A Annly		4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C65		4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C79		4510005430	S.ELECTROLYTIC	C1608 JB 1C 104KT-N
C79		40300011000	S.CERAMIC	C2012 JF 1C 105Z-T-A
C79		4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C79		4030006900	S.CERAMIC	C1608 JB 1E 103K-T-A
C79		4030008650	S.CERAMIC	C1608 JB 1H 332K-1-A
C79		4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C81 4030008900 S.CERAMIC C1608 JB 1C 333K-T-A C82 4030008920 S.CERAMIC C1608 JB 1C 104KT-N C83 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C85 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C86 4030006860 S.CERAMIC C2012 JF 1C 105Z-T-A E C87 4030006850 S.CERAMIC C1608 JB 1H 471K-T-A A C88 4030006850 S.CERAMIC C1608 JB 1H 471K-T-A A C89 4030006850 S.CERAMIC C1608 JB 1H 471K-T-A A only C90 4030006850 S.CERAMIC C1608 JB 1H 471K-T-A A only C91 4030006850 S.CERAMIC C1608 JB 1H 471K-T-A A only C92 4030006850 S.CERAMIC C1608 JB 1H 471K-T-A A only C92 4030010760 S.CERAMIC C1608 CH 1H 331J-T-A A only C93 4030010760 S.CERAMIC C1608 CH 1H 331J-T-A A only	C79	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C82 4030008920 S.CERAMIC C1608 JB 1C 104KT-N C83 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C86 403001600 S.CERAMIC C1608 JB 1C 104KT-N C86 4030006800 S.CERAMIC C2012 JF 1C 105Z-T-A E 4030006850 S.CERAMIC C2012 JF 1C 225Z-T-A A C87 4030006850 S.CERAMIC C1608 JB 1H 471K-T-A A C88 4030006850 S.CERAMIC C1608 JB 1H 471K-T-A A Only C89 4030006850 S.CERAMIC C1608 JB 1H 471K-T-A A Only C90 4030006850 S.CERAMIC C1608 JB 1H 471K-T-A A Only C91 4030006850 S.CERAMIC C1608 JB 1H 471K-T-A A Only C92 4030006850 S.CERAMIC C1608 JB 1H 471K-T-A A Only C93 4030010760 S.CERAMIC C1608 CH 1H 331J-T-A Only C94 4030010760 S.CERAMIC C1608 CH 1H 331J-T-A Only C97		1		
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C86		4030011600	S.CERAMIC	
C91		4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C91	C86	4030008680	S.CERAMIC	C2012 JF 1C 105Z-T-A E
C91	C87	4030009390	S.CERAMIC S.CERAMIC	C1608 JB 1H 471K-T-A A only
C91		4030006850	S.CERAMIC	C1608 JB 1H 471K-T-A 🖪 only
C91		4030006850	S.CERAMIC	C1608 JB 1H 471K-T-A (A) only
C92		4030006850	S.CERAMIC	C1608 JB 1H 471K-1-A (A) Only
C94 4030010760 S.CERAMIC C1608 CH 1H 331J-T-A only C95 4030010760 S.CERAMIC C1608 CH 1H 331J-T-A only C96 4030010760 S.CERAMIC C1608 CH 1H 331J-T-A only C97 4030010760 S.CERAMIC C1608 CH 1H 331J-T-A only C98 4030010760 S.CERAMIC C1608 CH 1H 331J-T-A only C99 4030010760 S.CERAMIC C1608 CH 1H 331J-T-A only C99 C1608 CH 1H 331J-T-A only C1608 CH 1H 331J-T-A only C90 S.CERAMIC C1608 CH 1H 331J-T-A only C90 S.LED LN1371G-(TR) L09 LD-BU10185J (E-10185-1) S1 2260001900 SWITCH SW-149 (SKHLLD) S1 2260001900 SWITCH SW-149 (SKHLLD) J1 6450001060 CONNECTOR HSJ1102-01-540 J3 6450001060 CONNECTOR HSJ1493-01-010 J4 6510017950 S.JUMPER ERJ3GE JPW V [USA] only W2 7030003860 S.JUMPER ERJ3GE JPW V E only <td></td> <td></td> <td></td> <td></td>				
C95 4030010760 S.CERAMIC C1608 CH 1H 331J-T-A				
C96 4030010760 S.CERAMIC C1608 CH 1H 331J-T-A only C97 4030010760 S.CERAMIC C1608 CH 1H 331J-T-A only C98 4030010760 S.CERAMIC C1608 CH 1H 331J-T-A only DS1 5010000120 S.LED				_ ,
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DS2 5030001580 LCD LD-BU10185J (E-10185-1) S1 2260001900 SWITCH SW-149 (SKHLLD) J1 6450000130 CONNECTOR HSJ1102-01-540 6450001060 CONNECTOR HSJ1493-01-010 S.CONNECTOR 4-175638-4 W1 7030003860 S.JUMPER ERJ3GE JPW V [USA] only 7030003860 S.JUMPER ERJ3GE JPW V [USA] only W4 7030003860 S.JUMPER ERJ3GE JPW V [USA] only W6 7120000470 JUMPER ERJ3GE JPW V [E] only 7030003860 S.JUMPER ERJ3GE JPW V [E] only FR [E] S				į
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J1 6450000130 CONNECTOR HSJ1102-01-540 J3 6450001060 CONNECTOR HSJ1493-01-010 4 6510017950 S.CONNECTOR 4-175638-4 W1 7030003860 S.JUMPER ERJ3GE JPW V W2 7030003860 S.JUMPER ERJ3GE JPW V W3 7030003860 S.JUMPER ERJ3GE JPW V W4 7030003860 S.JUMPER ERJ3GE JPW V W6 7120000470 JUMPER ERJ3GE JPW V W7 7030003860 S.JUMPER ERJ3GE JPW V El only ERDS2T0 W7 Religion of the control of the co	21	2260001000	SWITCH	SW-149 (SKHI I D)
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W2	J4	6510017950	5.CONNECTOR	4-1/5638-4
W2	W1	7030003860	S.JUMPER	ERJ3GE JPW V
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W7 7030003860 S.JUMPER ERJ3GE JPW V 🖪 only				
MC1 7700002160 MICROPHON KUC3523-040245				
MC1 7700002160 MICROPHON KUC3523-040245				
	MC1	7700002160	MICROPHON	KUC3523-040245

[MAIN UNIT]

REF NO.	ORDER NO.		DESCRIPTION	
EP1	8930045510	LCD CONTACT	SRCN-2045-SP-N-W	
EP2	0910049473	PCB	B 5056C	E
	0910049951	PCB	B 5109A	A

[RF UNIT]

KP U				
REF NO.	ORDER NO.		DESCRIPTION	
IC1	1110004150		TB31202FN (ER)	
IC2	1110003200	S.IC	TA31136FN (EL)	
Q1	1530002600	S.TRANSISTOR	2SC4215-O (TE85R)	
Q2	1530002920		2SC4226-T2 R25	
Q3		S.TRANSISTOR	2SC5194-T1	Ē
Q4		S.TRANSISTOR S.TRANSISTOR	2SC5015-T1 DTC144EUA T106	A E only
Q6		S.TRANSISTOR	2SC5108-Y (TE85R)	E Only
Q7		S.TRANSISTOR	2SC5108-Y (TE85R)	
Q8		S.TRANSISTOR	2SC4228-T2 R44	▲ only
Q9 Q10		S.TRANSISTOR S.TRANSISTOR	2SC4226-T2 R25 2SC5108-Y (TE85R)	© only © only
Q12		S.TRANSISTOR	2SC5108-Y (TE85R)	(E) Of Hy
Q13		S.TRANSISTOR	2SC4081 T107 S	
Q14		S.TRANSISTOR	2SA1586-GR (TE85R)	
Q15		S.TRANSISTOR	2SC4081 T107 S	
Q16 Q18		S.TRANSISTOR S.TRANSISTOR	2SC4081 T107 S 2SC5193-T1	(E) only
Q201		S.TRANSISTOR	2SC3356 R24-T2B	A only
Q202	1590002600		MRF9745 T1	A only
D1	1790000620	e DIODE	MA77 (TX)	
D2	1790000620		MA77 (TX)	
D4	1720000640		1SV284 (TPH3)	j
D5	1720000640		1SV284 (TPH3)	
D6	1790000620		MA77 (TX)	■ only
D7	1790000620 1790001260		MA77 (TX) MA2S077-(TX)	E
D8	1750000550		1SS355 TE-17	-
D9	1750000550		1SS355 TE-17	1
D10	1750000160		DA114 T107	€ only
D101 D102	1790001260 1790001260		MA2S077-(TX) MA2S077-(TX)	A only A only
D103	1790001240		MA2S728-(TX)	A only
				·
FI1	2040001330	S SAW	NSVA468	Œ
• • • •	2040001320		EFCH465MCNA2	A
FI2	2010002330		FL-298 (21.700 MHz)	E
-10	2010002320		FL-297 (21.700 MHz)	
FI3	2020001270		CFWM450E CFWM450G	E A
	2020001110	OLI B WIIIO	O. VIII.100G	
X1	6050010190	CVTAI	CR-596 (21.250 MHz)	_
^'	6050010190		CR-595 (21.250 MHz)	E A
X2		S.DISCRIMINATOR		
L1	6200002240	S.COIL	ELJFC 2R2K-F	
Ľ3		S.COIL	LL1608-F18NK	
L4	6200005670	S.COIL	ELJRE 12NG-F	
L5	6200004380		LL1608-F18NK	E
L6	6200008270 6200005690		0.26-1.0-5TL 17N ELJRE 18NG-F	Ā
	6200008270		0.26-1.0-5TL 17N	<u></u>
L9	6200005690	S.COIL	ELJRE 18NG-F	 only
L10	6200005700		ELJRE 22NG-F	E
144	6200005710 6200003640		ELJRE 27NG-F MLF1608K 100K-T	
L11 L12	6200003640		MLF1608K 100K-I	ł
L12	6200003350		LQN 1A 27NJ04	l
L14	6200005740	S.COIL	ELJRE 47NG-F	E
	6200005720		ELJRE 33NG-F	A
L15	6200007000		ELJRE 82NG-F	(E) Achi
L16 L17	6200005720 6200005690		ELJRE 33NG-F ELJRE 18NG-F	€ only
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IRF UNIT

ORDER RFF **DESCRIPTION** NO. NO. E only 6200002520 S COIL FLINC R18K-F L18 6200004410 S.COIL LL1608-F27NK L19 6200005720 S.COIL ELJRE 33NG-F L21 6200005700 S.COIL **ELJRE 22NG-F** Only L23 6200005680 S.COIL ELJRE 15NG-F E 6200008430 S.COIL 0.20-1.0-4TL 15N A L24 6200005660 S.COIL ELJRE 10NG-F E only L25 6200002190 S.COIL MLF2012A 4R7K-T L26 6200007000 S.COIL ELJRE 82NG-F E only 6200007000 S.COIL ELJRE 82NG-F Only L105 6200005700 S.COIL ELJRE 22NG-F A only L201 L202 6200005720 S.COIL ELJRE 33NG-F Only L203 6200008440 S.COIL LQN21A 8N2D04 A only L204 6200008440 S.COIL LQN21A 8N2D04 ■ only L205 6200006670 S.COIL ELJRE 68NG-F A only 6200005690 S.COIL EWRE 18NG-F A only L206 L207 6200005690 S.COIL ELJRE 18NG-F Only MLF1608K 100K-T L208 6200003640 S.COIL A only ELJRE 33NG-F L209 6200005720 S.COIL A only R1 7030003430 S.RESISTOR ERJ3GEYJ 821 V (820 Ω) 7030003670 S.RESISTOR ERJ3GEYJ 823 V (82 kΩ) **R2** 7030003470 S.RESISTOR ERJ3GEYJ 182 V (1.8 kΩ) **B**3 ERJ3GEYJ 102 V (1 kΩ) 7030003440 S.RESISTOR A 7030003450 S.RESISTOR ERJ3GEYJ 122 V (1.2 kΩ) R4 E ERJ3GEYJ 222 V (2.2 kΩ) 7030003480 S.RESISTOR A 7030003680 S.RESISTOR ERJ3GEYJ 104 V (100 kΩ) **R5** 7030003520 S.RESISTOR ERJ3GEYJ 472 V (4.7 kΩ) **R6** E R7 7030003340 S.RESISTOR ERJ3GEYJ 151 V (150 Ω) 7030003280 S.RESISTOR EBJ3GEYJ 470 V (47 Ω) A ERJ3GEYJ 822 V (8.2 kΩ) 7030003550 S.RESISTOR R10 EBJ3GEYJ 472 V (4.7 kΩ) Œ R12 7030003520 S.RESISTOR 7030003440 S.RESISTOR ERJ3GEYJ 102 V (1 kΩ) ERJ3GEYJ 390 V (39 Ω) E only **R13** 7030003270 S.RESISTOR R14 7030003440 S.RESISTOR ERJ3GEYJ 102 V (1 kΩ) E only ERJ3GEYJ 330 V (33 Ω) **R16** 7030003260 S.RESISTOR R19 7030003400 S.RESISTOR ERJ3GEYJ 471 V (470 Ω) R23 7030003440 S.RESISTOR ERJ3GEYJ 102 V (1 kΩ) E only R24 7030003440 S.RESISTOR ERJ3GEYJ 102 V (1 kΩ) E only R25 7030003620 S.RESISTOR ERJ3GEYJ 333 V (33 kΩ) **R27** 7030003640 S.RESISTOR ERJ3GEYJ 473 V (47 kΩ) R29 7030003350 S.RESISTOR ERJ3GEYJ 181 V (180 Ω) 7030003330 S.RESISTOR ERJ3GEYJ 121 V (120 Ω) A R30 7030003620 S.RESISTOR ERJ3GEYJ 333 V (33 kΩ) 7030003620 S.RESISTOR ERJ3GEYJ 333 V (33 kΩ) **R31** R32 7030003540 S.RESISTOR ERJ3GEYJ 682 V (6.8 kΩ) 7030003550 S.RESISTOR ERJ3GEYJ 822 V (8.2 kΩ) **R33 R34** 7030003420 S.RESISTOR ERJ3GEYJ 681 V (680 Ω) 7030003670 S.RESISTOR ERJ3GEYJ 823 V (82 kΩ) **R35** 7030003640 S.RESISTOR ERJ3GEYJ 473 V (47 kΩ) A R36 7030003390 S.RESISTOR ERJ3GEYJ 391 V (390 Ω) E 7030003360 S.RESISTOR ERJ3GEYJ 221 V (220 Ω) A 7030003600 S.RESISTOR ERJ3GEYJ 223 V (22 kΩ) A only **R37** 7030003650 S.RESISTOR ERJ3GEYJ 563 V (56 kΩ) € only **R38** 7030003350 S.RESISTOR ERJ3GEYJ 181 V (180 Ω) E only **R39 B40** 7030003580 S.RESISTOR ERJ3GEYJ 153 V (15 kΩ) E only 7030003360 S.RESISTOR ERJ3GEYJ 221 V (220 Ω) E only R42 R45 7030003520 S.RESISTOR ERJ3GEYJ 472 V (4.7 kΩ) 7030003550 S.RESISTOR ERJ3GEYJ 822 V (8.2 kΩ) R49 7030003200 S.RESISTOR ERJ3GEYJ 100 V (10 Ω) E only **R50** 7310003630 S.TRIMMER EVM-1XSX50 BQ4 (473) 7030003770 S.RESISTOR ERJ3GEYJ 564 V (560 kΩ) **R**51 7030003410 S.RESISTOR ERJ3GEYJ 561 V (560 Ω) R52 **R53** 7030003680 S.RESISTOR ERJ3GEYJ 104 V (100 kΩ) 7510000930 S.THERMISTOR NTCCF2012 3NH 103KC-T **R54** 7030003580 S.RESISTOR ERJ3GEYJ 153 V (15 kΩ) **R55** 7030003580 S.RESISTOR ERJ3GEYJ 153 V (15 kΩ) **R56 R57** 7030003450 S.RESISTOR ERJ3GEYJ 122 V (1.2 kΩ) 7030003480 S.RESISTOR ERJ3GEYJ 222 V (2.2 kΩ) R58 7030003520 S.RESISTOR ERJ3GEYJ 472 V (4.7 kΩ) 7030003470 S.RESISTOR ERJ3GEYJ 182 V (1.8 kΩ) R59 7030003580 S.RESISTOR ERJ3GEYJ 153 V (15 kΩ) 7030003680 S.RESISTOR ERJ3GEYJ 104 V (100 kΩ) R60 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) **R61** 7030003230 S.RESISTOR ERJ3GEYJ 180 V (18 Ω) R62 R63 4610001550 S.TRIMMER EVM-1XSX50 B22 E only 7030003650 S.RESISTOR ERJ3GEYJ 563 V (56 kΩ) **R64** R65 7030003500 S.RESISTOR ERJ3GEYJ 332 V (3.3 kΩ) **R66** 7030003570 S.RESISTOR ERJ3GEYJ 123 V (12 kΩ) **R67** 7030003780 S.RESISTOR ERJ3GEYJ 684 V (680 kΩ) 7030003750 S.RESISTOR ERJ3GEYJ 394 V (390 kΩ) **R68**

[RF UNIT]

NO. NO. DESCRIPTION	nr 0			
\$\text{Price} \$Pric	REF NO.	ORDER NO.		DESCRIPTION
Prince	R69	7030003510	S.RESISTOR	ERJ3GEYJ 392 V (3.9 kΩ)
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77390003760 S. RESISTOR FR. J3GEY. J 394 V (390 KG) FR. J3GEY. J 394 V (390 KG) FR. J3GEY. J 395 V (39 KG) FR. J3GEY. J				
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R756 7030003505 B. RESISTOR ERJ3GEYJ 103 V (10 kΩ) R78 7030003510 B. RESISTOR ERJ3GEYJ 303 V (3.9 kΩ) E only R87 7030003510 B. RESISTOR ERJ3GEYJ 103 V (10 kΩ) E only R88 7030003320 S. RESISTOR ERJ3GEYJ 103 V (10 kΩ) E only R89 7030003320 S. RESISTOR ERJ3GEYJ 103 V (10 kΩ) E only R89 7030003200 S. RESISTOR ERJ3GEYJ 103 V (10 kΩ) E only R89 7030003200 S. RESISTOR ERJ3GEYJ 103 V (10 kΩ) E only R89 7030003200 S. RESISTOR ERJ3GEYJ 103 V (10 kΩ) E only R90 7030003200 S. RESISTOR ERJ3GEYJ 100 V (10 Q) E only R91 7030003400 S. RESISTOR ERJ3GEYJ 100 V (10 Q) E only R206 731000310 S. THERMISTOR ERJ3GEYJ 102 V (1 kΩ) E only R207 703000340 S. RESISTOR ERJ3GEYJ 102 V (1 kΩ) E only R208 703000350 S. RESISTOR ERJ3GEYJ 102 V (1 kΩ) E only R209 703000350 S. RESISTOR ERJ3GEYJ 102 V (1 kΩ) E only R211 703000350		l .	1	
T7030003501 S. RESISTOR ERJ3GEY J 322 V (3.9 kg) E only				
R85				
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R86 7030003300 S. RESISTOR R89 7030003500 S. RESISTOR R90 T030003200 S. RESISTOR PRJGEYJ 472 V (4.7 kg) E only 7030003200 S. RESISTOR PRJGEYJ 472 V (4.7 kg) E only 7030003200 S. RESISTOR PRJGEYJ 472 V (4.7 kg) E only 703000340 S. RESISTOR PRJGEYJ 472 V (4.7 kg) E only 703000340 S. RESISTOR PRJGEYJ 472 V (4.7 kg) E only 703000340 S. RESISTOR PRJGEYJ 100 V (10 Ω) E only 703000340 S. RESISTOR PRJGEYJ 102 V (1 kg) E only 703000340 S. RESISTOR PRJGEYJ 102 V (1 kg) E only 703000340 S. RESISTOR PRJGEYJ 102 V (1 kg) E only 703000340 S. RESISTOR PRJGEYJ 102 V (1 kg) E only 7030003340 S. RESISTOR PRJGEYJ 102 V (1 kg) E only 7030003340 S. RESISTOR PRJGEYJ 102 V (1 kg) E only 7030003350 S. RESISTOR PRJGEYJ 102 V (1 kg) E only 7030003350 S. RESISTOR PRJGEYJ 102 V (1 kg) E only 7030003350 S. RESISTOR PRJGEYJ 181 V (180 Q) E only 7030003350 S. RESISTOR PRJGEY				
R88 7030003520 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) € only R89 7030003270 S.RESISTOR ERJ3GEYJ 390 V (39 Ω) € only R93 7030003270 S.RESISTOR ERJ3GEYJ 100 V (10 Ω) € only R94 703000340 S.RESISTOR ERJ3GEYJ 102 V (1 kΩ) € only R202 703000340 S.RESISTOR ERJ3GEYJ 102 V (1 kΩ) € only R206 7310003610 S.THIMMER ERJ3GEYJ 102 V (1 kΩ) € only R209 7030003404 S.RESISTOR ERJ3GEYJ 202 V (1 kΩ) ⊕ only R209 7030003350 S.RESISTOR ERJ3GEYJ 201 V (20 Ω) ⊕ only R211 7030003350 S.RESISTOR ERJ3GEYJ 210 V (27 Ω) ⊕ only R212 7030003350 S.RESISTOR ERJ3GEYJ 210 V (20 Ω) ⊕ only R213 7030003350 S.RESISTOR ERJ3GEYJ 210 V (20 Ω) ⊕ only R214 7030003350 S.RESISTOR ERJ3GEYJ 210 V (20 Ω) ⊕ only C1 4030006860 S.CERAMIC C1608 JB 114 102K-T-A				` ' - ',
R90 7030003200 S.RESISTOR ERJ3GEYJ 300 V (39 Ω) E only R94 7030003440 S.RESISTOR ERJ3GEYJ 102 V (1 1 Ω) E only R202 7030003440 S.RESISTOR ERJ3GEYJ 102 V (1 1 Ω) E only R206 7310003610 S.THEMISTOR EVM-1XSX50 B14 (103) E only R207 7030003440 S.RESISTOR ERJ3GEYJ 102 V (1 1 Ω) E only R208 7030003400 S.RESISTOR ERJ3GEYJ 102 V (1 1 Ω) E only R210 7030003350 S.RESISTOR ERJ3GEYJ 221 V (220 Ω) E only R211 7030003350 S.RESISTOR ERJ3GEYJ 221 V (220 Ω) E only R213 7030003350 S.RESISTOR ERJ3GEYJ 221 V (220 Ω) E only R213 703000350 S.RESISTOR ERJ3GEYJ 181 V (180 Ω) E only R214 4030006860 S.CERAMIC C 1608 JB 1H 102K-T-A E only C1 4030006850 S.CERAMIC C 1608 JB 1H 471K-T-A E only C2 403000710 S.CERAMIC C 1608 JB 1H 471K-T-A				
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Pa94 7030003440 S. RESISTOR R. P. STOR R. P.				
R202			}	
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R209 7030003360 S.RESISTOR ERJ3GEYJ 221 V (220 Ω)				
R211				· · · — ·
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R213 7030003360 S.RESISTOR		7030003250	S.RESISTOR	
C1		1	1	
C2 4030008920 S.CERAMIC C1608 JB IC 473K-T-A	R213	7030003360	S.RESISTOR	ERJ3GEYJ 221 V (220 Ω) 🔼 only
C2 4030008920 S.CERAMIC C1608 JB IC 473K-T-A 4030008805 S.CERAMIC C1608 JB IH 471K-T-A C5 4030006850 S.CERAMIC C1608 JB IH 471K-T-A C6 4030006850 S.CERAMIC C1608 JB IH 471K-T-A C7 4030007170 S.CERAMIC C1608 JB IH 471K-T-A 4030007050 S.CERAMIC C1608 CH IH 221J-T-A 4030007070 S.CERAMIC C1608 CH IH 220J-T-A 4030007070 S.CERAMIC C1608 CH IH 080D-T-A C9 4030009470 S.CERAMIC C1608 CH IH 120J-T-A 4030007010 S.CERAMIC C1608 CH IH 120J-T-A 4030007020 S.CERAMIC C1608 CH IH 120J-T-A 4030007020 S.CERAMIC C1608 CH IH 120J-T-A 4030009540 S.CERAMIC C1608 CH IH 120J-T-A C11 4030006870 S.CERAMIC C1608 CH IH 120J-T-A C12 403000680 S.CERAMIC C1608 CH IH 120J-T-A C13 403000680 S.CERAMIC C1608 CH IH 120X-T-A C1608 CH IH 120X-T-A C17 403000880 S.CERAMIC C1608 CH IH 120X-T-A C18 403000680 S.CERAMIC C1608 JB IH 471K-T-A C17 403000880 S.CERAMIC C1608 JB IH 471K-T-A C18 403000680 S.CERAMIC C1608 JB IH 471K-T-A C19 403000680 S.CERAMIC C1608 JB IH 471K-T-A C10 403000680 S.CERAMIC C1608 JB IH 471K-T-A C21 403000680 S.CERAMIC C1608 JB IH 471K-T-A C22 403000680 S.CERAMIC C1608 JB IH 471K-T-A C23 403000680 S.CERAMIC C1608 JB IH 471K-T-A C24 403000680 S.CERAMIC C1608 JB IH 471K-T-A C25 403000680 S.CERAMIC C1608 JB IH 471K-T-A C26 403000680 S.CERAMIC C1608 JB IH 471K-T-A C27 403000680 S.CERAMIC C1608 JB IH 471K-T-A C28 403000680 S.CERAMIC C1608 CH IH 070D-T-A C28 403000690 S.CERAMIC C1608 CH IH 120J-T-A C30 4030007020 S.CERAMIC C1608 CH IH 120J-T-A C30 4030007020 S.CERAMIC C1608 CH IH 120J-T-A C30 403000690 S.CERAMIC C1608 CH IH 120J-T-A C31 403000690 S.CERAMIC C1608 CH IH 120J-T-A C32 403000690 S.CERAMIC C1608 CH IH 120J-T-A C33 403000690 S.CERAMIC C1608 CH IH 120J-T-A C34 403000690 S.CERAMIC C1608 CH IH 120J-T-A C35 403000690 S.CERAMIC C1608 CH IH 120J-T-A C40 403000700 S.CERA				
C2 4030008920 S.CERAMIC C1608 JB 1C 473K-T-A C3 4030008800 S.CERAMIC C1608 JB 1C 473K-T-A C4 4030006850 S.CERAMIC C1608 JB 1H 471K-T-A C5 4030006850 S.CERAMIC C1608 JB 1H 471K-T-A C7 4030007105 S.CERAMIC C1608 CH 1H 221J-T-A C7 4030007050 S.CERAMIC C1608 CH 1H 080D-T-A C9 4030007010 S.CERAMIC C1608 CH 1H 080D-T-A C10 4030007020 S.CERAMIC C1608 CH 1H 100D-T-A C11 4030007020 S.CERAMIC C1608 CH 1H 120J-T-A C12 4030009540 S.CERAMIC C1608 CH 1H 120J-T-A C13 4030006860 S.CERAMIC C1608 CH 1H 120J-T-A C14 4030006860 S.CERAMIC C1608 CH 1H 120J-T-A C15 4030006860 S.CERAMIC C1608 JB 1H 471K-T-A C16 4030006850 S.CERAMIC <t< td=""><td>C1</td><td>4030006860</td><td>S.CERAMIC</td><td>C1608 JB 1H 102K-T-A</td></t<>	C1	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C4 4030006850 S.CERAMIC C1608 JB 1H 471K-T-A C1608 JB 1H 471K-T-A C6 4030006850 S.CERAMIC C1608 JB 1H 471K-T-A C1608 JB 1H 471K-T-A C7 4030007170 S.CERAMIC C1608 CH 1H 221J-T-A E C8 40300097050 S.CERAMIC C1608 CH 1H 220J-T-A E C9 40300097010 S.CERAMIC C1608 CH 1H 100D-T-A E C10 4030007020 S.CERAMIC C1608 CH 1H 100D-T-A E C11 4030009540 S.CERAMIC C1608 CH 1H 100D-T-A E C12 4030006860 S.CERAMIC C1608 CH 1H 160D-T-A E C13 4030006860 S.CERAMIC C1608 CH 1H 160D-T-A E C15 4030006860 S.CERAMIC C1608 JB 1H 171K-T-A C C16 4030006860 S.CERAMIC C1608 JB 1H 471K-T-A C C16 4030006860 S.CERAMIC C1608 JB 1H 471K-T-A C C16 4030006860 S.CERAMIC C1608 JB 1H 471K-T-A C C16		4030008920	S.CERAMIC	C1608 JB 1C 473K-T-A
C5 4030006850 S.CERAMIC C1608 JB 1H 471K-T-A E C7 4030007170 S.CERAMIC C1608 CH 1H 22JJ-T-A E C7 4030007170 S.CERAMIC C1608 CH 1H 22JJ-T-A E C8 4030006990 S.CERAMIC C1608 CH 1H 080D-T-A E C9 4030007010 S.CERAMIC C1608 CH 1H 10DJ-T-A E C10 4030007010 S.CERAMIC C1608 CH 1H 10DJ-T-A E C11 4030005970 S.CERAMIC C1608 CH 1H 10DJ-T-A E C12 4030006970 S.CERAMIC C1608 CH 1H 10GD-T-A E C12 4030006980 S.CERAMIC C1608 CH 1H 10GD-T-A E C13 4030006860 S.CERAMIC C1608 CH 1H 10GD-T-A E C16 4030006850 S.CERAMIC C1608 JB 1H 471K-T-A C C17 4030006850 S.CERAMIC C1608 JB 1H 471K-T-A E Only C21 4030006850 S.CERAMIC C1608 JB 1H 471K-T-A E Only C22 <td></td> <td></td> <td></td> <td>The state of the s</td>				The state of the s
C6				
C7				
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C9				
C10				
C111				
C11	C10			
C13	C11		l .	
C15				1
C16 4030006850 S.CERAMIC C1608 JB 1H 471K-T-A C17 4030006860 S.CERAMIC C1608 JB 1C 223K-T-A C20 4030006850 S.CERAMIC C1608 JB 1H 471K-T-A C21 4030006850 S.CERAMIC C1608 JB 1H 471K-T-A C23 4030006940 S.CERAMIC C1608 CH 1H 030C-T-A C24 4030006850 S.CERAMIC C1608 CH 1H 070D-T-A E only C25 4030006850 S.CERAMIC C1608 JB 1H 471K-T-A E only C26 4030006850 S.CERAMIC C1608 JB 1H 471K-T-A E only C27 4030006850 S.CERAMIC C1608 JB 1H 471K-T-A E only C28 4030006850 S.CERAMIC C1608 JB 1H 471K-T-A C29 4030007030 S.CERAMIC C1608 CH 1H 170D-T-A E only C30 4030007020 S.CERAMIC C1608 CH 1H 120J-T-A E only C31 4030006970 S.CERAMIC C1608 CH 1H 070D-T-A E only C32 4030006970 S.CERAMIC C1608 CH 1H 060D-T-A E only C34 4030006970				
C17				
C18				
C21				C1608 JB 1H 102K-T-A
C23 4030006940 S.CERAMIC C1608 CH 1H 030C-T-A E only C25 4030006850 S.CERAMIC C1608 CH 1H 070D-T-A E only C26 4030006850 S.CERAMIC C1608 JB 1H 471K-T-A E only C28 4030006850 S.CERAMIC C1608 JB 1H 471K-T-A C29 4030007030 S.CERAMIC C1608 CH 1H 150J-T-A E only C30 4030007020 S.CERAMIC C1608 CH 1H 120J-T-A E only C31 4030006980 S.CERAMIC C1608 CH 1H 120J-T-A E only C31 4030006990 S.CERAMIC C1608 CH 1H 070D-T-A E only C32 4030006970 S.CERAMIC C1608 CH 1H 070D-T-A E only C33 4030006970 S.CERAMIC C1608 CH 1H 060D-T-A E only C34 4030007010 S.CERAMIC C1608 CH 1H 060D-T-A E only C42 4030007040 S.CERAMIC C1608 CH 1H 100D-T-A E only C43 4030007040 S.CERAMIC C1608 CH 1H 270J-T-A E only C44 4030007050				
C24 4030006980 S.CERAMIC C1608 CH 1H 070D-T-A E only C25 4030006850 S.CERAMIC C1608 JB 1H 471K-T-A E only C26 4030006850 S.CERAMIC C1608 JB 1H 471K-T-A E only C28 4030007020 S.CERAMIC C1608 CH 1H 150J-T-A E only C30 4030007020 S.CERAMIC C1608 CH 1H 120J-T-A E only C31 4030006980 S.CERAMIC C1608 CH 1H 120J-T-A E only C31 4030006990 S.CERAMIC C1608 CH 1H 120J-T-A E only C32 4030006970 S.CERAMIC C1608 CH 1H 070D-T-A E only C34 4030006970 S.CERAMIC C1608 CH 1H 060D-T-A E only C35 4030007010 S.CERAMIC C1608 CH 1H 060D-T-A E only C36 4030007010 S.CERAMIC C1608 CH 1H 100D-T-A E only C42 4030007040 S.CERAMIC C1608 CH 1H 120J-T-A E only C43 4030007050 S.CERAMIC C1608 CH 1H 270J-T-A E only C44 4030007050 S.CERAMIC C1608 CH 1H 220J-T-A E only C45 4030007050 S.CERAMIC				
C25 4030006850 S.CERAMIC C1608 JB 1H 471K-T-A E only C26 4030006850 S.CERAMIC C1608 JB 1H 471K-T-A E only C29 4030007030 S.CERAMIC C1608 CH 1H 150J-T-A E Only C30 4030007020 S.CERAMIC C1608 CH 1H 120J-T-A E A C30 4030007020 S.CERAMIC C1608 CH 1H 120J-T-A E C31 4030006980 S.CERAMIC C1608 CH 1H 120J-T-A E C32 4030006970 S.CERAMIC C1608 CH 1H 070D-T-A E C35 4030006970 S.CERAMIC C1608 CH 1H 070D-T-A E C36 4030007010 S.CERAMIC C1608 CH 1H 000D-T-A E C36 4030007010 S.CERAMIC C1608 CH 1H 000D-T-A E C37 4030006970 S.CERAMIC C1608 CH 1H 000D-T-A E C38 4030007040 S.CERAMIC C1608 CH 1H 100D-T-A E C39 4030007040 S.CERAMIC C1608 CH 1H 100D-T-A E C42 4030007040 S.CERAMIC C1608 CH 1H 100D-T-A E C44 4030007050 S.CERAMIC C1608 CH 1H 120J-T-A E C45 4030007050 S.CERAMIC C1608 CH 1H 120J-T-A E C46 4030007050 S.CERAMIC C1608 CH 1H 100D-T-A E C47 4030007050 S.CERAMIC C1608 CH 1H 120J-T-A E C48 4030007050 S.CERAMIC C1608 CH 1H 120J-T-A E C49 4030007050 S.CERAMIC C1608 CH 1H 120J-T-A E C48 4030007050 S.CERAMIC C1608 CH 1H 120J-T-A E C49 40300070				
C26 4030006850 S.CERAMIC C1608 JB 1H 471K-T-A C28 4030006850 S.CERAMIC C1608 JB 1H 471K-T-A C29 4030007030 S.CERAMIC C1608 CH 1H 150J-T-A				_ ,,
C29				C1608 JB 1H 471K-T-A
C30	C28			
C31				
C31	C30			
C32	C31			
C35		4030006980		C1608 CH 1H 070D-T-A
C36				
4030006970 S.CERAMIC C1608 CH 1H 060D-T-A A				
C42	C36			
C43 4030007040 S.CERAMIC C1608 CH 1H 180J-T-A C44 4030007050 S.CERAMIC C1608 CH 1H 270J-T-A E C45 4030007050 S.CERAMIC C1608 CH 1H 220J-T-A A C46 4030007050 S.CERAMIC C1608 CH 1H 100D-T-A E C46 4030007050 S.CERAMIC C1608 CH 1H 220J-T-A A C47 4030007020 S.CERAMIC C1608 CH 1H 220J-T-A A C48 4030007020 S.CERAMIC C1608 CH 1H 220J-T-A A C50 4030007020 S.CERAMIC C1608 CH 1H 120J-T-A A C51 4030007020 S.CERAMIC C1608 CH 1H 120J-T-A A C51 4030007020 S.CERAMIC C1608 CH 1H 120J-T-A A C52 4030007020 S.CERAMIC C1608 CH 1H 120J-T-A A C52 4030006930 S.CERAMIC C1608 CH 1H 090D-T-A A C53 4030009540 S.CERAMIC C1608 CH 1H 185B-T-A A C54 4030006940 S.CERAMIC	C42			
C45				
C45 4030007010 S.CERAMIC C1608 CH 1H 100D-T-A E 4030006850 S.CERAMIC C1608 JB 1H 471K-T-A A C46 4030007050 S.CERAMIC C1608 CH 1H 220J-T-A E C47 4030007050 S.CERAMIC C1608 CH 1H 120J-T-A A C48 4030006900 S.CERAMIC C1608 CH 1H 120J-T-A A C50 4030007020 S.CERAMIC C1608 CH 1H 120J-T-A E C51 4030007020 S.CERAMIC C1608 CH 1H 190J-T-A A C52 4030007020 S.CERAMIC C1608 CH 1H 190J-T-A A C52 4030006930 S.CERAMIC C1608 CH 1H 090D-T-A A C53 4030009540 S.CERAMIC C1608 CH 1H 020C-T-A C54 4030009350 S.CERAMIC C1608 CH 1H 185B-T-A C54 4030006940 S.CERAMIC C1608 CH 1H 030C-T-A	C44			
C46 4030006850 S.CERAMIC C1608 JB 1H 471K-T-A A C47 4030007050 S.CERAMIC C1608 CH 1H 220J-T-A E C47 4030007050 S.CERAMIC C1608 CH 1H 120J-T-A A C48 4030006900 S.CERAMIC C1608 CH 1H 120J-T-A A C50 4030007020 S.CERAMIC C1608 CH 1H 120J-T-A E 4030007020 S.CERAMIC C1608 CH 1H 1990D-T-A A C51 4030007020 S.CERAMIC C1608 CH 1H 120J-T-A E 4030007000 S.CERAMIC C1608 CH 1H 190D-T-A A C52 4030006930 S.CERAMIC C1608 CH 1H 020C-T-A A C53 4030009540 S.CERAMIC C1608 CH 1H 185B-T-A E C54 4030006940 S.CERAMIC C1608 CH 1H 3R5B-T-A E C54 4030006940 S.CERAMIC C1608 CH 1H 3R5B-T-A E	0.5			
C46 4030007050 S.CERAMIC C1608 CH 1H 220J-T-A E C47 4030007050 S.CERAMIC C1608 CH 1H 120J-T-A A C48 4030006900 S.CERAMIC C1608 CH 1H 220J-T-A A C50 4030007020 S.CERAMIC C1608 CH 1H 120J-T-A E 4030007000 S.CERAMIC C1608 CH 1H 120J-T-A E 4030007020 S.CERAMIC C1608 CH 1H 120J-T-A E 4030007000 S.CERAMIC C1608 CH 1H 120J-T-A E 4030007000 S.CERAMIC C1608 CH 1H 120J-T-A E C52 4030006930 S.CERAMIC C1608 CH 1H 090D-T-A A C53 4030009540 S.CERAMIC C1608 CH 1H 020C-T-A A C54 4030009350 S.CERAMIC C1608 CH 1H 3R5B-T-A E C54 4030006940 S.CERAMIC C1608 CH 1H 030C-T-A A	C45			
C47	C46		1	
C48				
C50	1			
4030007000 S.CERAMIC C1608 CH 1H 090D-T-A 区 4030007020 S.CERAMIC C1608 CH 1H 120J-T-A 区 4030007000 S.CERAMIC C1608 CH 1H 120J-T-A 区 C1608 CH 1H 090D-T-A 区 C1608 CH 1H 020C-T-A C1608 CH 1H 185B-T-A C1608 CH 1H 185B-T-A C1608 CH 1H 3R5B-T-A 区 C1608 CH 1H 030C-T-A				
C51 4030007020 4030007000 5.CERAMIC C1608 CH 1H 120J-T-A E C1608 CH 1H 090D-T-A A C1608 CH 1H 090D-T-A C1608 CH 1H 020C-T-A C1608 CH 1H 020C-T-A C1608 CH 1H 185B-T-A C1608 CH 1H 185B-T-A C1608 CH 1H 3R5B-T-A C1608 CH 1H 3R5B-T-A C1608 CH 1H 030C-T-A C1608 CH 1H 030C-	C50			
C52 4030007000 S.CERAMIC C1608 CH 1H 090D-T-A A C1608 CH 1H 020C-T-A C1608 CH 1H 020C-T-A C1608 CH 1H 1R5B-T-A C1608 CH 1H 1R5B-T-A C1608 CH 1H 1R5B-T-A C1608 CH 1H 1R5B-T-A C1608 CH 1H 030C-T-A A C1608 CH 1H 030C-T-A C1608 CH 1H 03	C51			
C52 4030006930 S.CERAMIC C1608 CH 1H 020C-T-A C53 4030009540 S.CERAMIC C1608 CH 1H 1R5B-T-A C54 4030009350 S.CERAMIC C1608 CH 1H 3R5B-T-A 4030006940 S.CERAMIC C1608 CH 1H 030C-T-A			i i	
C54 4030009350 S.CERAMIC C1608 CH 1H 3R5B-T-A E 4030006940 S.CERAMIC C1608 CH 1H 030C-T-A		4030006930	S.CERAMIC	1
4030006940 S.CERAMIC C1608 CH 1H 030C-T-A				
	U54			
		,00000000	J. J. I.	S.=Surface mount

S.=Surface mount

[RF UNIT]

C55 C56 C57	4030009470	S.CERAMIC	C1608 JB 1H 471K-T-A C1608 CH 1H R75C-T-A
C56	4030009470		C1608 CH 1H P75C-T-A
			U 1000 UH H H 17/30*1*A
C57	40300069101	S.CERAMIC	C1608 CH 1H 0R5C-T-A
••• I		S.CERAMIC	C1608 CH 1H R75C-T-A
		S.CERAMIC	C1608 CH 1H 1R5B-T-A
C58		S.CERAMIC	C1608 JB 1H 471K-T-A E on
C59	4030006850		C1608 JB 1H 471K-T-A E on
		S.ELECTROLYTIC	
C60			C1608 CH 1H 050C-T-A
C61		S.CERAMIC	
C62		S.CERAMIC	C1608 JB 1C 223K-T-A
		S.CERAMIC	C1608 JB 1E 103K-T-A
C63		S.TRIMMER	CTZ3S-10A-W1-AF
C64		S.CERAMIC	C1608 JF 1C 224Z-T-A
C65		S.CERAMIC	C1608 JB 1H 471K-T-A
C67		S.CERAMIC	C1608 JB 1C 104KT-N
C68		S.TANTALUM	ECST1CY105R
	4550000560	S.TANTALUM	TESVA 1V 334M1-8L
C69	4030006990	S.CERAMIC	C1608 CH 1H 080D-T-A
C70	4030006850	S.CERAMIC	C1608 JB 1H 471K-T-A A on
C71		S.CERAMIC	C1608 JB 1H 471K-T-A E on
C72		S.CERAMIC	C1608 JB 1H 471K-T-A
C73		S.CERAMIC	C1608 JB 1C 104KT-N
C74		S.CERAMIC	C1608 JB 1H 471K-T-A
C75		S.CERAMIC	C1608 JB 1H 471K-T-A
C76		S.CERAMIC	C1608 JB 1H 471K-T-A
C77	4030007050	S.CERAMIC	C1608 CH 1H 220J-T-A
C78	4030007110	S.CERAMIC	C1608 CH 1H 680J-T-A
C79		S.ELECTROLYTIC	ECEV1CA100SR
C80		S.CERAMIC	C1608 JF 1C 224Z-T-A
C81		S.CERAMIC	C1608 JB 1C 473K-T-A
C82		S.CERAMIC	C1608 JB 1C 104KT-N
			C2012 JF 1C 105Z-T-A
C83		S.CERAMIC	
C84		S.CERAMIC	C1608 JB 1H 471K-T-A
C85		S.ELECTROLYTIC	
C86	4030011810	S.CERAMIC	C1608 JB 1A 224K-T-N
C87	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C88	4510004650	S.ELECTROLYTIC	ECEV1EA4R7SR
C89	4030009880	S.CERAMIC	C1608 JB 1H 682K-T-A
C90		S.CERAMIC	C1608 JB 1E 103K-T-A
C91		S.CERAMIC	C1608 JB 1C 473K-T-A
		S.CERAMIC	C1608 JB 1E 103K-T-A
C92			C1608 JB 1E 103K-T-A
C93	4030006900	S.CERAMIC	C1608 JB 1H 471K-T-A
C95	4030006850	S.CERAMIC S.CERAMIC	
C96			C1608 JB 1H 471K-T-A
C100	4030007050	S.CERAMIC	C1608 CH 1H 220J-T-A
C101	4030006920	S.CERAMIC	C1608 CH 1H 010C-T-A ▲ on
C102	4030006950	S.CERAMIC	C1608 CH 1H 040C-T-A
	4030009540	S.CERAMIC	C1608 CH 1H 1R5B-T-A
C103	4030006940	S.CERAMIC	C1608 CH 1H 030C-T-A E on
C104	4030007050	S.CERAMIC	C1608 CH 1H 220J-T-A E on
C201		S.CERAMIC	C1608 JB 1H 471K-T-A A on
C202		S.CERAMIC	C1608 CH 1H 220J-T-A A on
C202		S.CERAMIC	C1608 CH 1H 220J-T-A 🖪 on
		S.CERAMIC	C1608 CH 1H 080D-T-A A on
C204			<u> </u>
C205		S.CERAMIC	C1608 JB 1H 102K-T-A A on
C206		S.CERAMIC	C1608 JB 1H 102K-T-A A on
C207		S.CERAMIC	C1608 CH 1H 080D-T-A A on
C208		S.CERAMIC	C1608 CH 1H 090D-T-A A on
C209		S.CERAMIC	C1608 CH 1H 060D-T-A 🖪 on
C210	4030006980	S.CERAMIC	C1608 CH 1H 070D-T-A A on
C211	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A 🔼 on
J1 J2		CONNECTOR S.CONNECTOR	IMSA-9210B-1-02T 4-175643-4
J-	25.05.070		
W2	7030003860	ł	ERJ3GE JPW V
W4	7030003860		ERJ3GE JPW V
W5	7030003860	S.JUMPER	ERJ3GE JPW V 🔼 or
W6	7030003860	S.JUMPER	ERJ3GE JPW V 🔼 or
W7	7030003860	S.JUMPER	ERJ3GE JPW V E or
W8	7030003860	1	ERJ3GE JPW V E or
W201	7030003860		ERJ3GE JPW V Aoni
W202	7030003860		ERJ3GE JPW V Aoni
	0910049483	РСВ	B 5057C
EP1 EP1	0910049961		B 5110A

A: IC-4008A, E: IC-4008E

S.=Surface mount

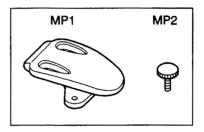
MECHANICAL PARTS AND DISASSEMBLY SECTION 7

7-1 CABINET PARTS [CHASSIS PARTS]

REF. NO.	ORDER NO.	DESCRIPTION	QTY.
SP1	2510000960	Speaker K036NA500-26A27	1
EP1	3310002090	Antenna 2045ANT [4008E]	1
	3310002110	, ,	1
MP1	8210015180	Panel 2045 Front Panel	1
MP2	8210015190	Panel 2045 Rear Panel	1
мР3	8110006400	Cover 2045 Rear Cover	1
MP4	8110006410	Cover 2045 Lock Cover	1
MP5	8310042680	Plate 2045 Window Plate	1
MP7	8210015220	Panel 2045 Reflector	1
MP8	8610010570	Knob N-265	1
MP9	8930045192	Seal 2045 Top Seal-2	1
MP10	8930045230	Key 2045 4-Key	1
MP11	8930045200	Button 2045 PTT Button	1
MP12	8930046990	Seal 2045 Main Seal (A)	1
MP13	8930045220	Seal 2045 BATT Seal	1
MP14	8930046280	Terminal 2045 ANT Termainal	1
MP20	8830001370	Screw 2045 VR Nut	1
MP22	8930045750	Seal O-ring (X)	1
MP23	8830000110	Screw Nut M4	1
MP24	8810009560	Screw PH BO 2x6 ZK (BT)	4
MP25	8810008640	Screw FH BO 2x4 NI-ZU (BT)	2
MP30	8810008990	Screw PH BO 2x10 ZK (BT)	1

7-2 ACCESSORIES

REF. NO.	ORDER NO.	DESCRIPTION	QTY.
MP1	Optional product	2045 Belt clip	1
MP2	8820000850	1672 Screw	1



[MAIN UNIT]

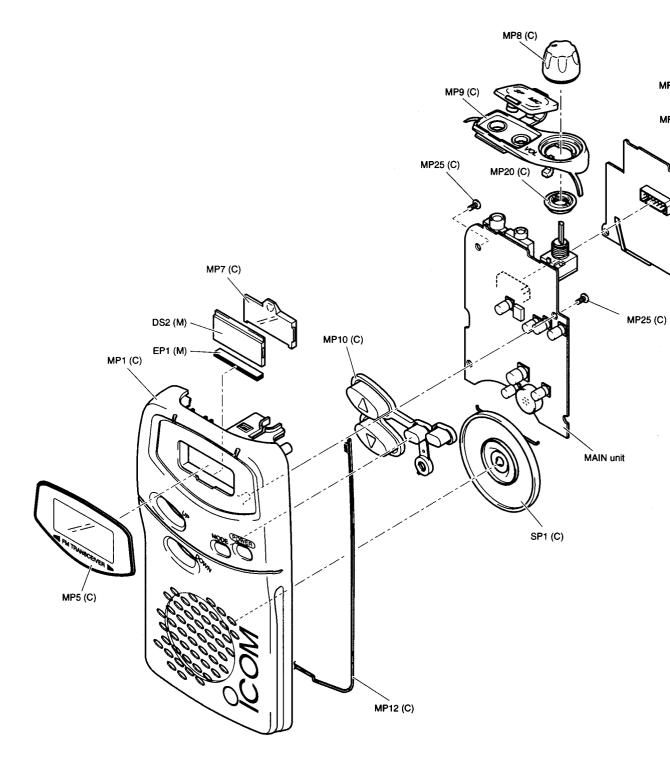
REF. NO.	ORDER NO.	DESCRIPTION	QTY.
DS2	5030001580	LCD LD-BU10185J	1
EP1	8930045510	LCD contact SRCN-2045-SP-N-W	1

[RF UNIT]

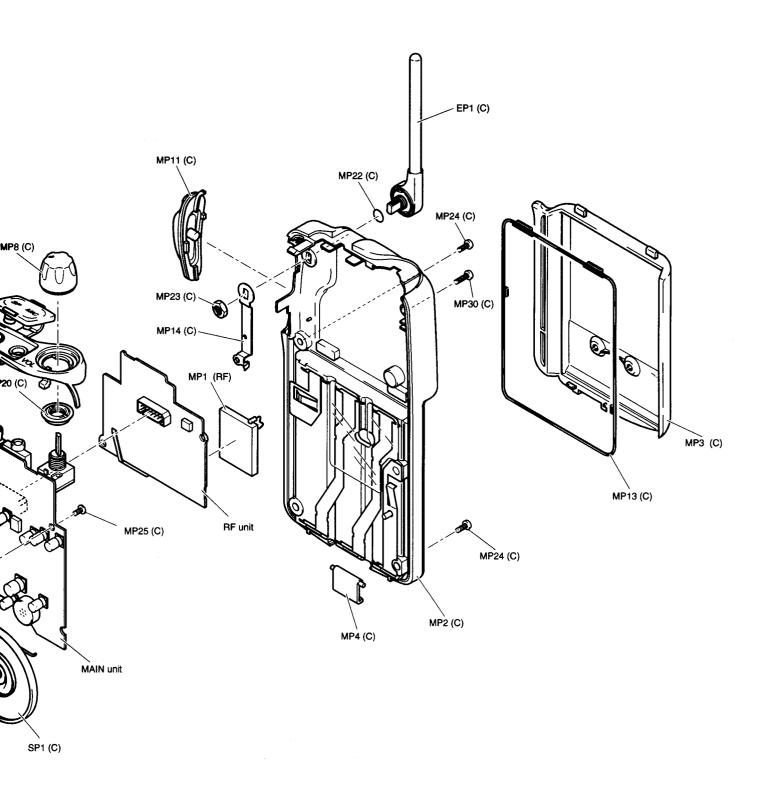
REF. NO.	ORDER NO.	DESCRIPTION	QTY.
MP1	8510011570	Case 2045 VCO Case	1

Screw abbreviations A, B0, BT: Self-tapping

PH: Pan head FH: Flat head BiH: Bind head NI: Nickel SUS: Stainless ZK: Black



UNIT abbreviation (C): CHASSIS PARTS, (RF): RF UNIT, (M): MAIN UNIT



SECTION 8 SEMI-CONDUCTOR INFORMATION

• TRANSISTOR AND FET'S

	·	,		T
2SA1362 GR (Symbol: AEG)	2SA1586 GR (Symbol: SG)	2SB798 DK (Symbol: DK)	2SC3356 R24 (Symbol: R24)	2SC4081 S (Symbol: BS)
B C C	B C	0 C C C C C C C C C C C C C C C C C C C	B C C C C C C C C C C C C C C C C C C C	
2SC4213 B (Symbol: AB)	2SC4215 O (Symbol: QO)	2SC4226 R25 (Symbol: R25)	2SC4228 R44 (Symbol: R44)	2SC5015 (Symbol: T83)
		B C C C C C C C C C C C C C C C C C C C	B	s s
2SC5108 Y (Symbol: MC)	2SC5193 (Symbol: T88)	2SC5194 (Symbol: T88)	2SJ144 Y (Symbol: VX)	2SK1829 (Symbol: K1)
· B	800000	B	s []	c
DTA114 EU (Symbol: 16)	DTC114 EU (Symbol: 14)	MRF9745 (Symbol: M745)	UMZ1N (Symbol: Z1)	UMZ2N (Symbol: Z2)
B C C C C C C C C C C C C C C C C C C C	B	COLOR	E1 C1 B1 B2 C2 E2	E1 C1 B1 E2 B2 C2
UN5119 (Symbol: 6K)	UN9215 (Symbol: 8E)			
B C				

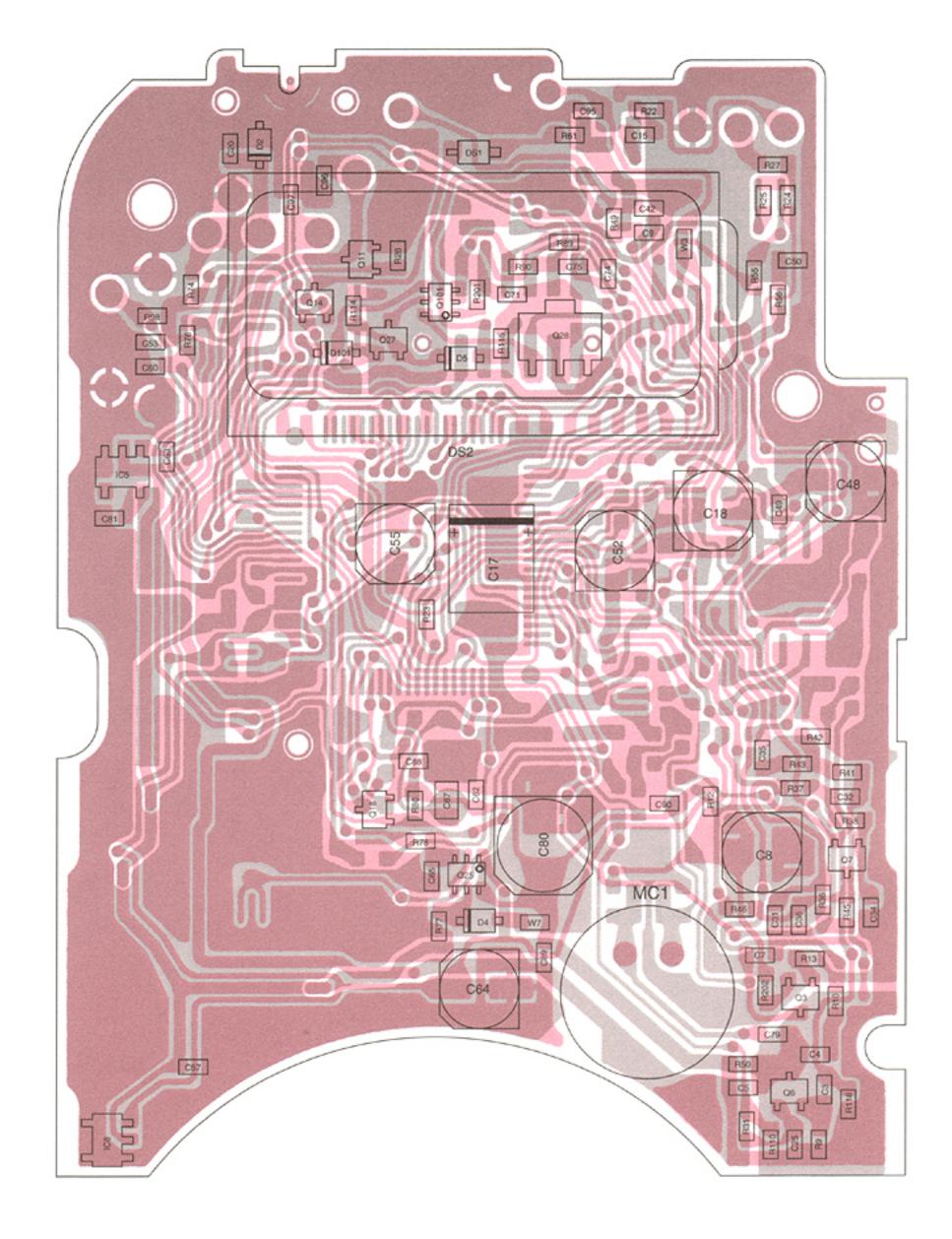
• DIODES

1SS355 (Symbol: A)	1SV284 (Symbol: TL)	DA114 (Symbol: AV)	MA77 (Symbol: 4B)	MA2S077 (Symbol: S)
—	4		A CALL	
MA2S728 (Symbol: B)				
4				

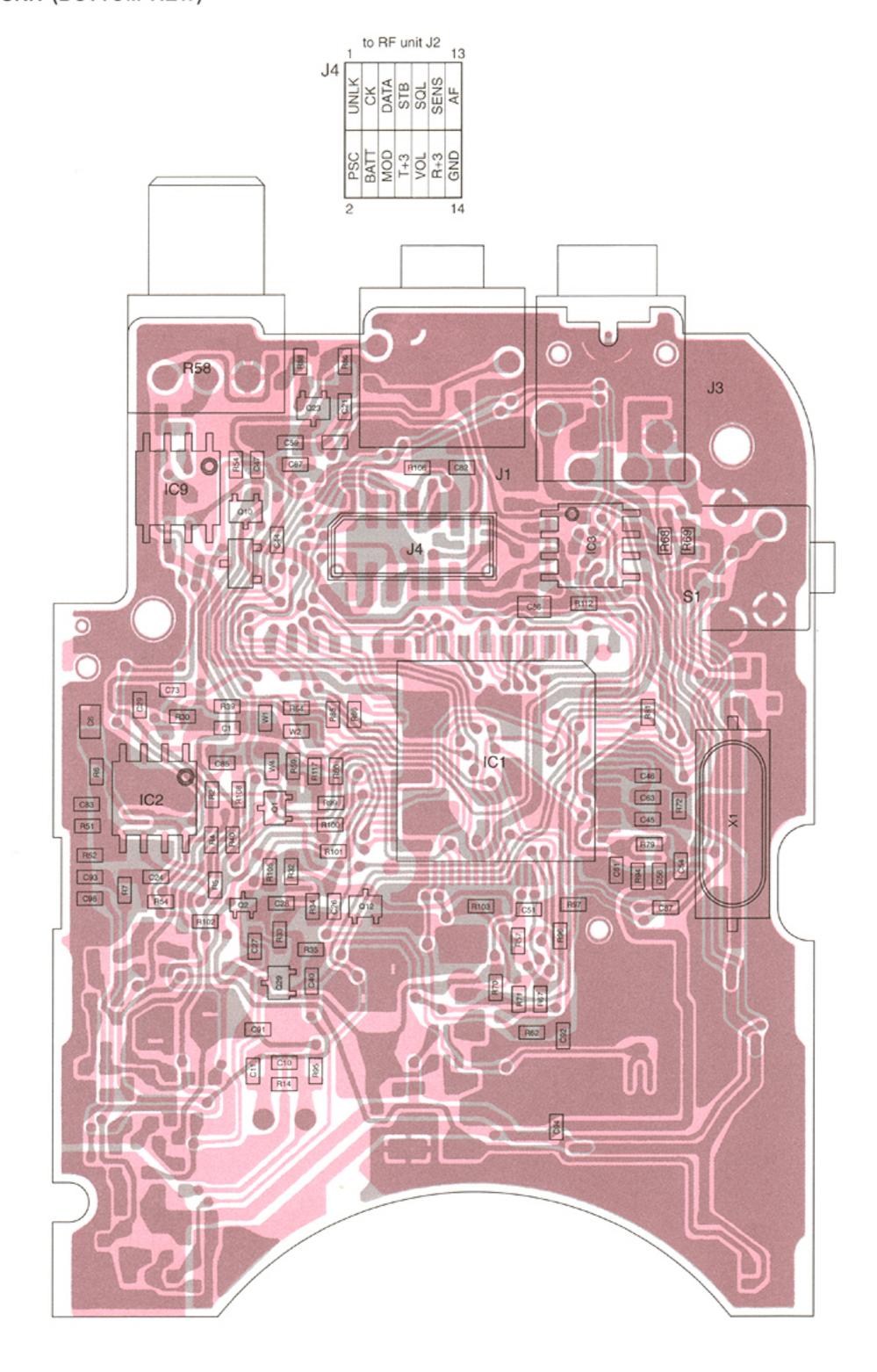
SECTION 9 BOARD LAYOUTS

9-1 IC-4008A

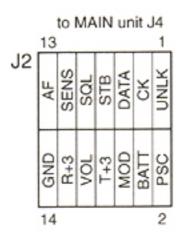
MAIN UNIT (TOP VIEW)

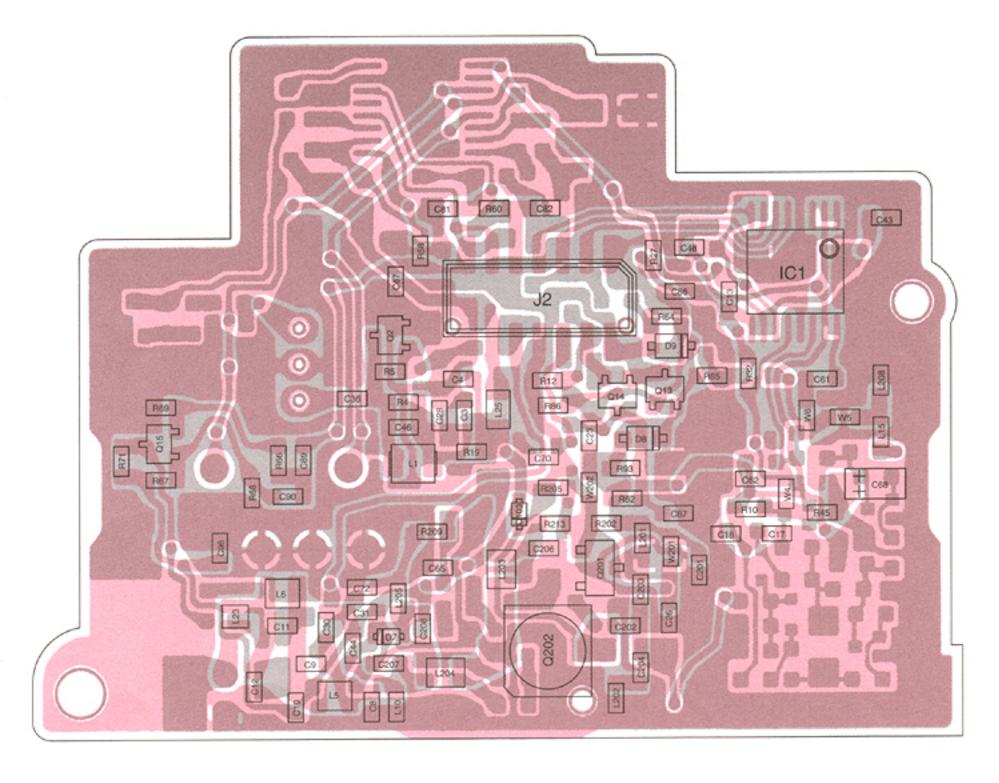


MAIN UNIT (BOTTOM VIEW)

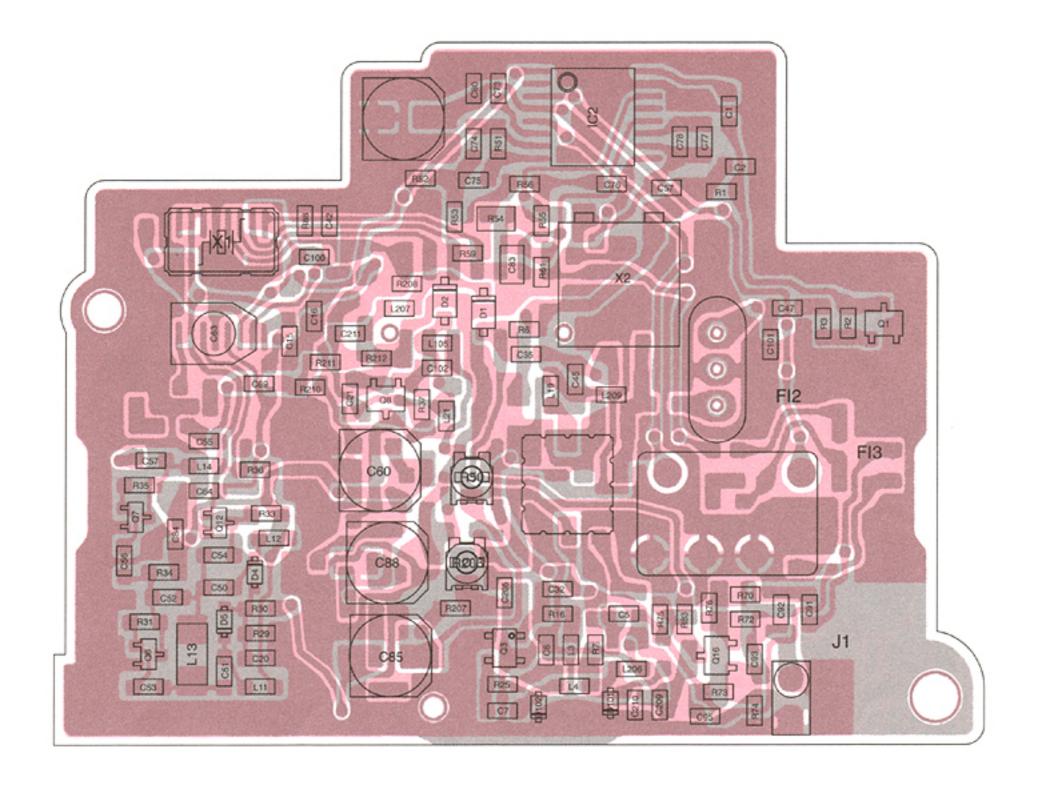


• RF UNIT (TOP VIEW)



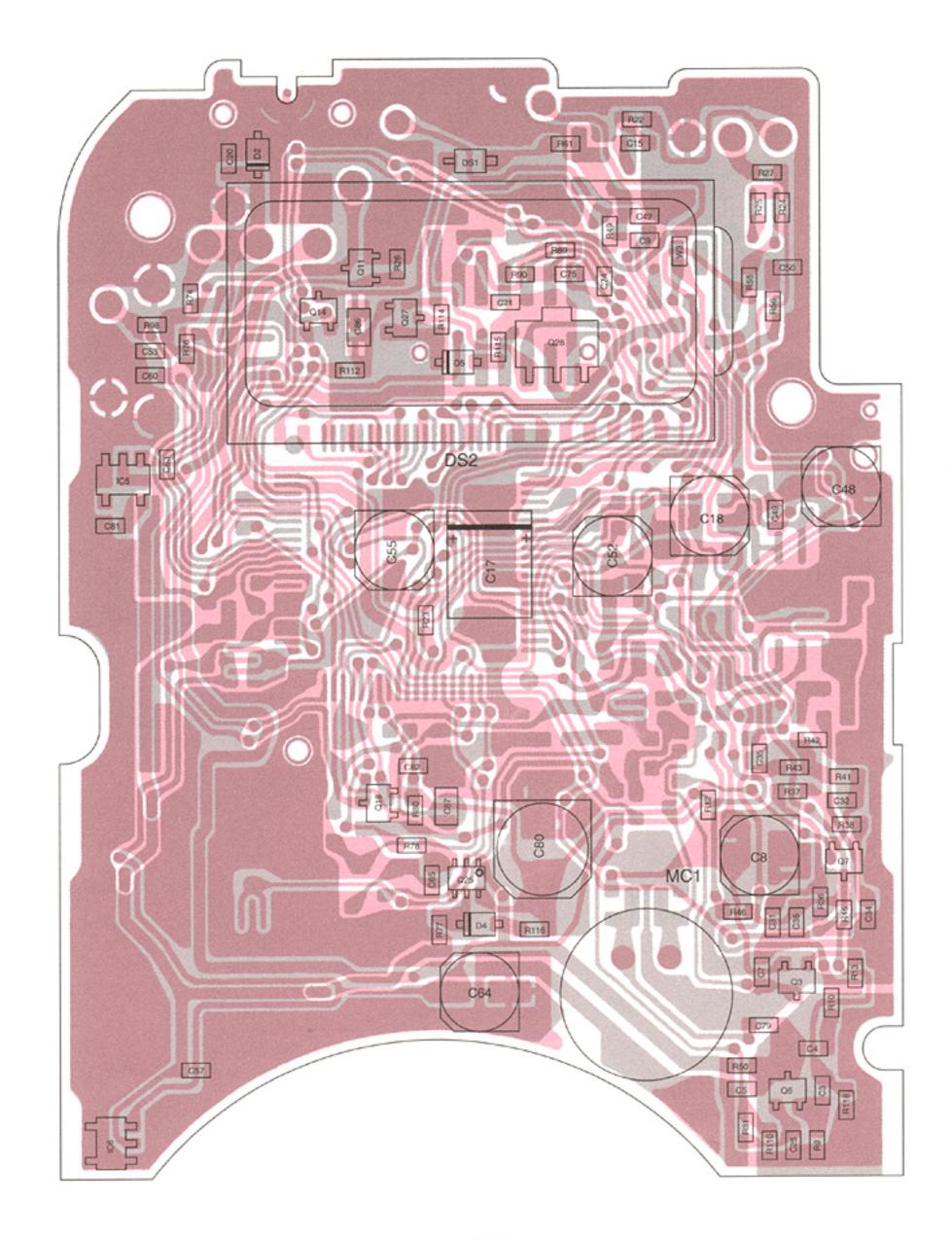


• RF UNIT (BOTTOM VIEW)

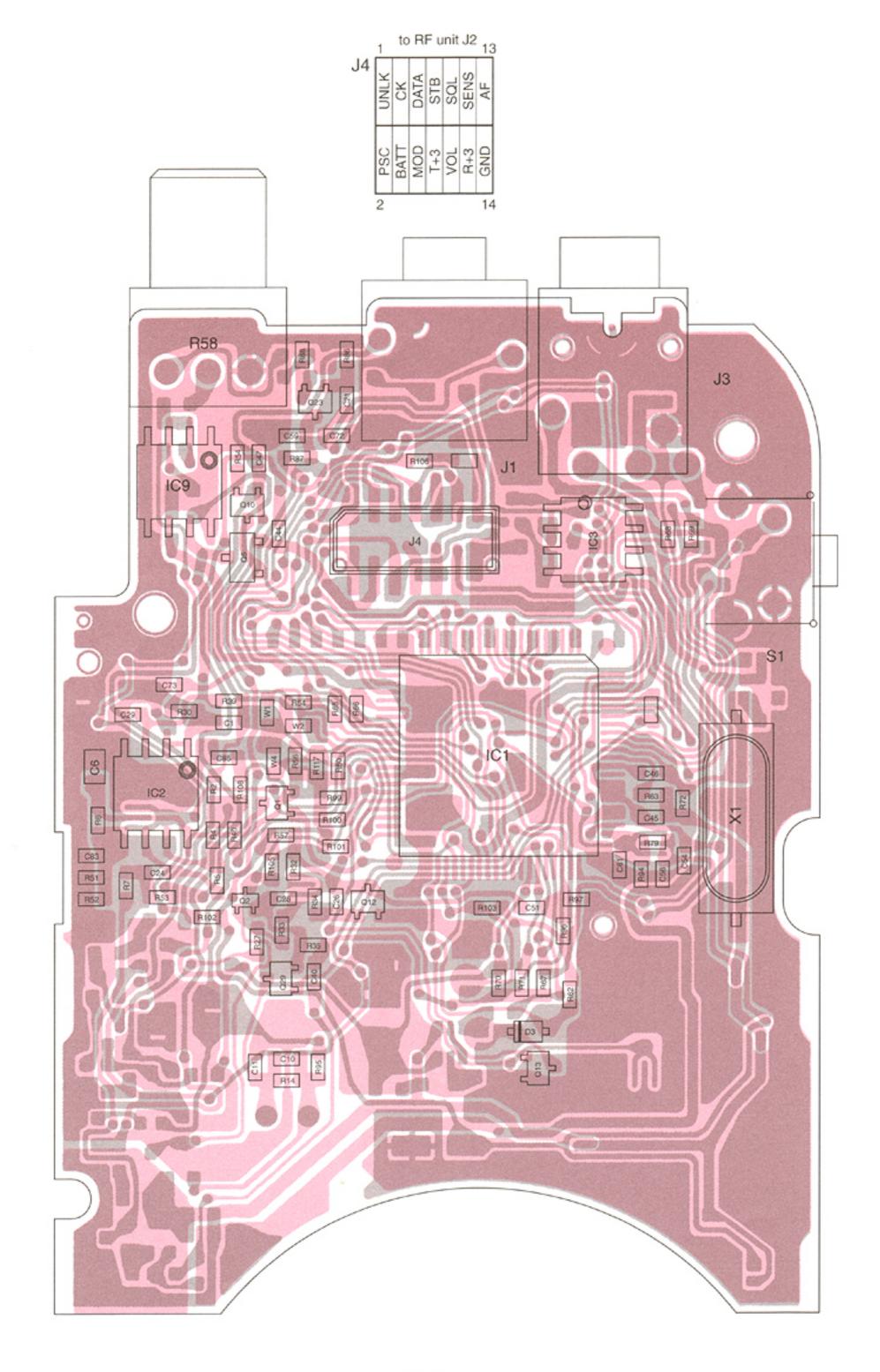


9-2 IC-4008E

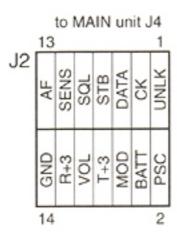
MAIN UNIT (TOP VIEW)

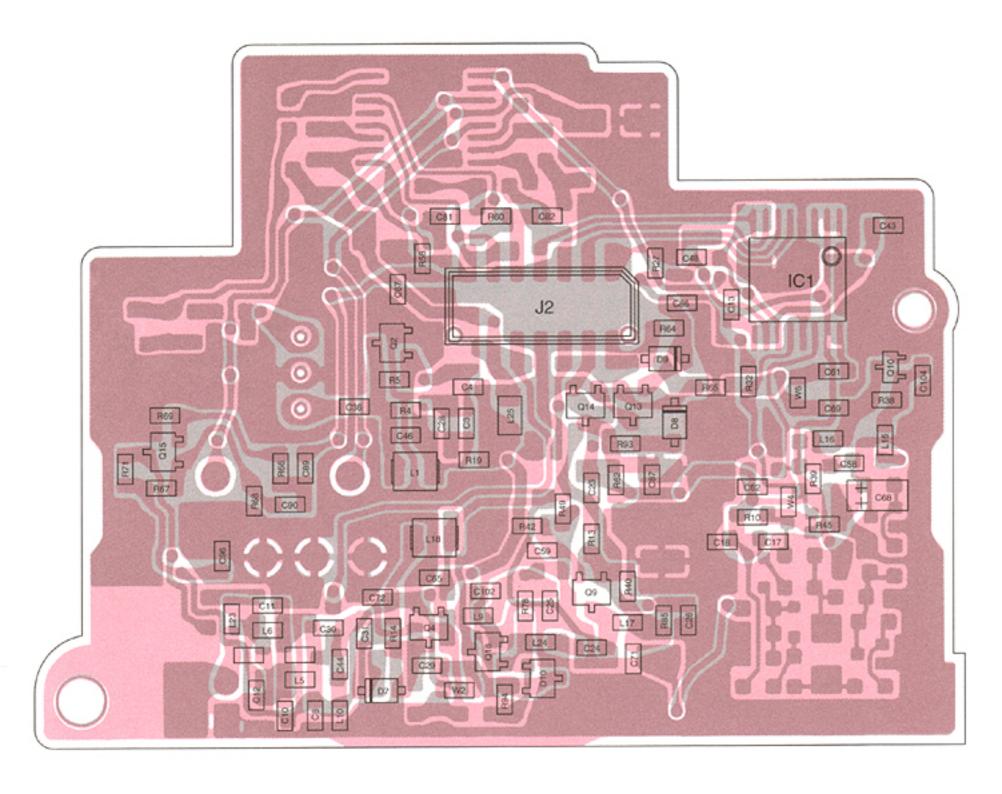


MAIN UNIT (BOTTOM VIEW)

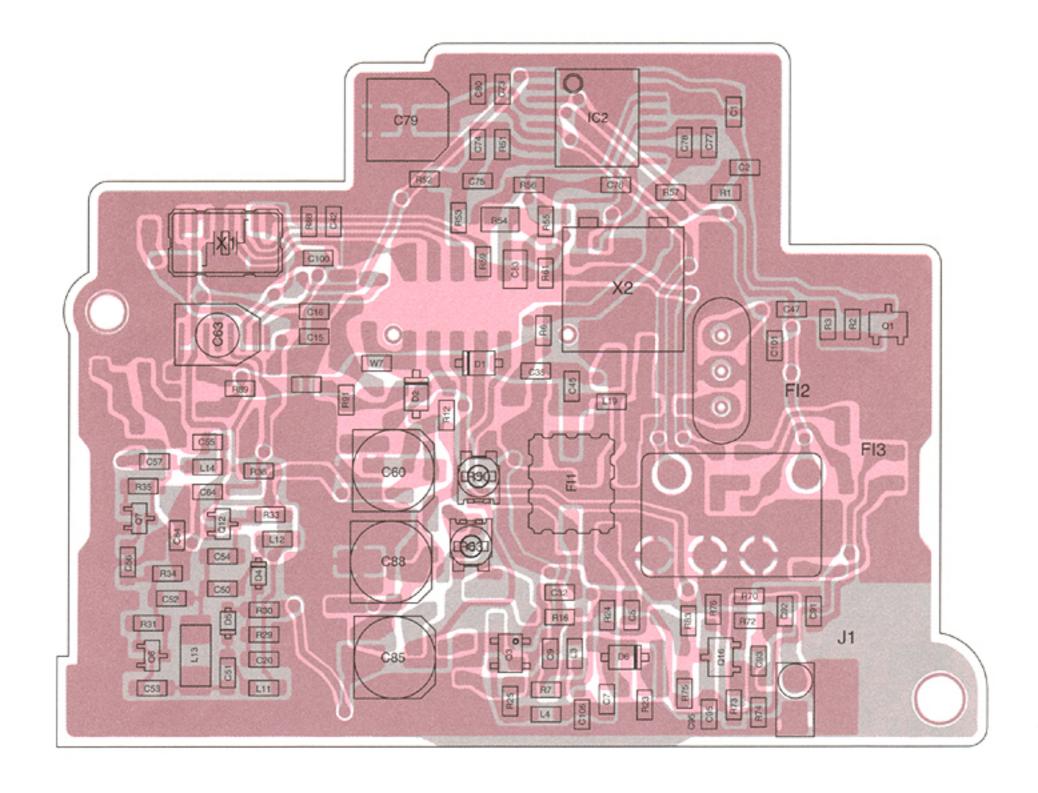


• RF UNIT (TOP VIEW)

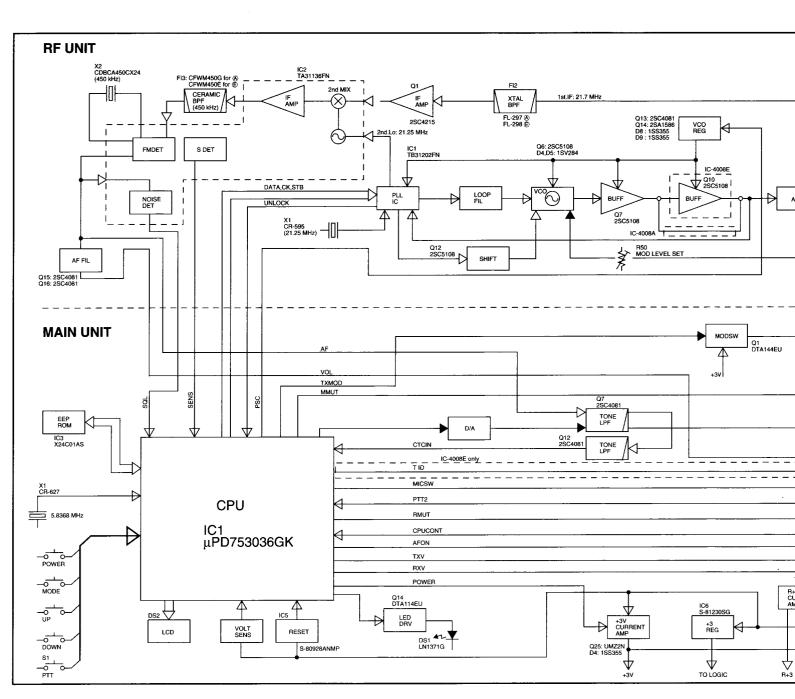




• RF UNIT (BOTTOM VIEW)

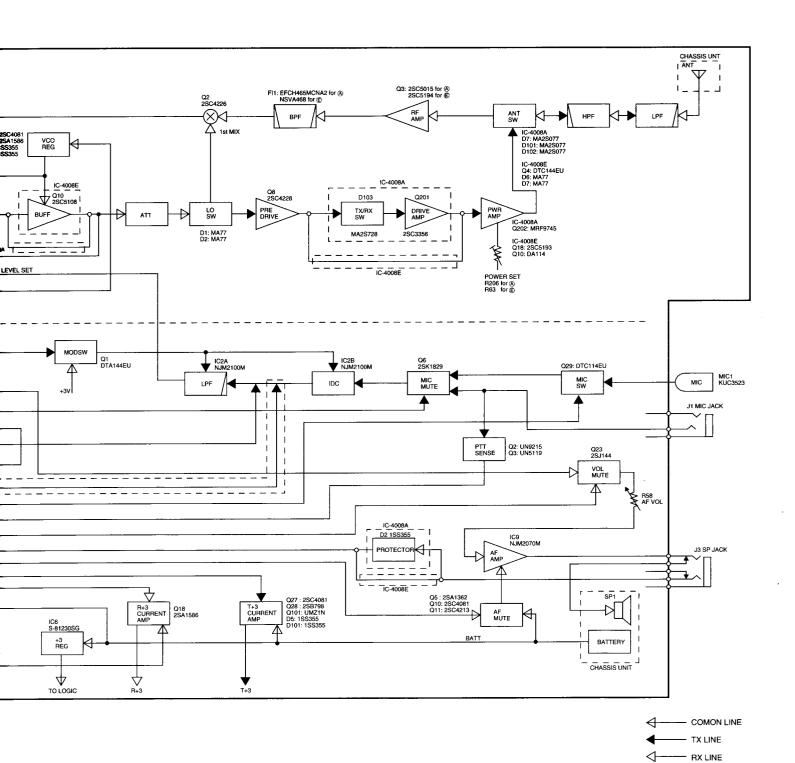


SECTION 10 BLOCK DIAGRAM



(A): IC-4008A

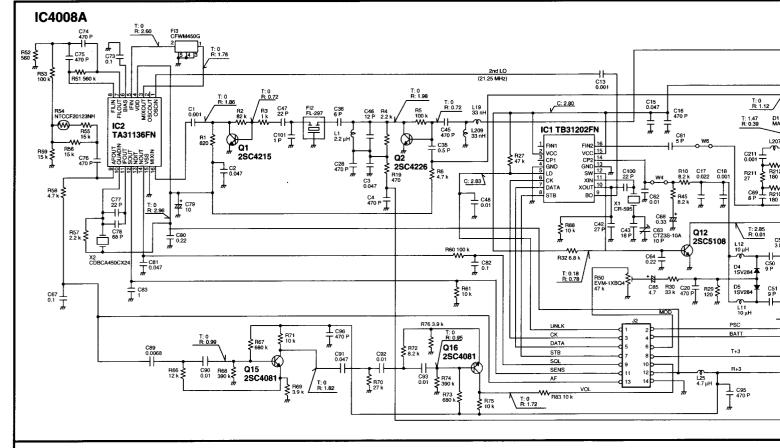
€: IC-4008E



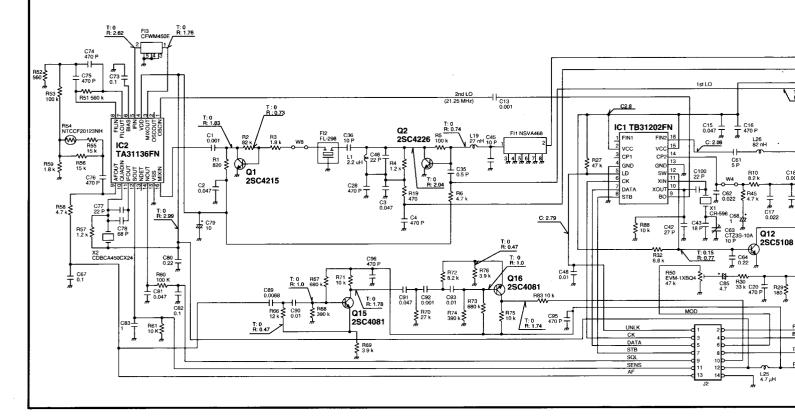
DATA BUS LINE

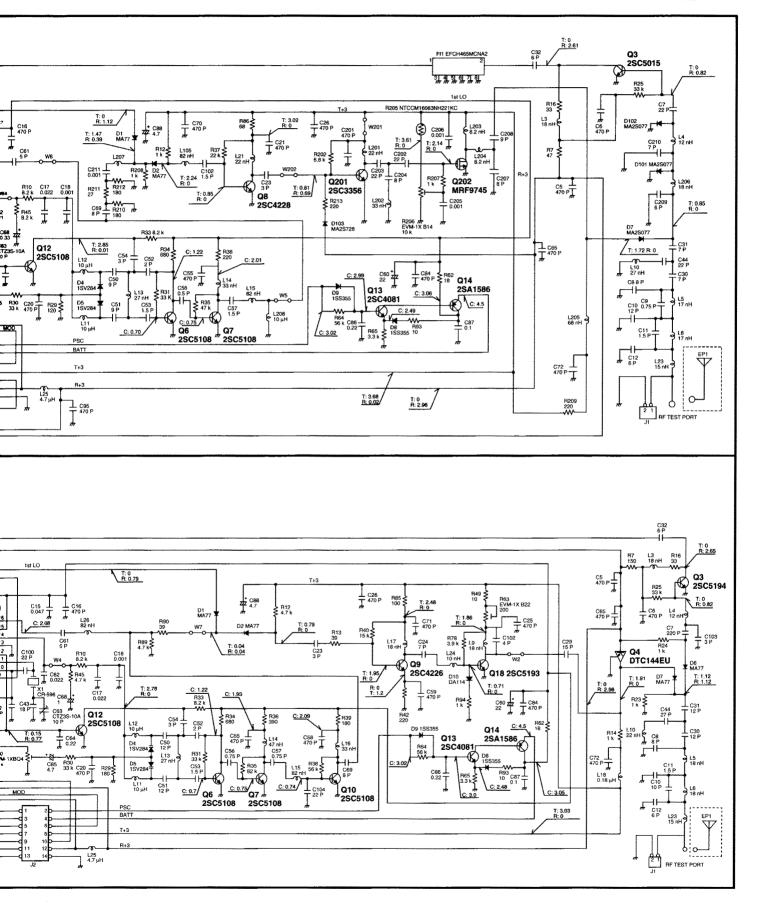
SECTION 11 VOLTAGE DIAGRAM

• RF UNIT

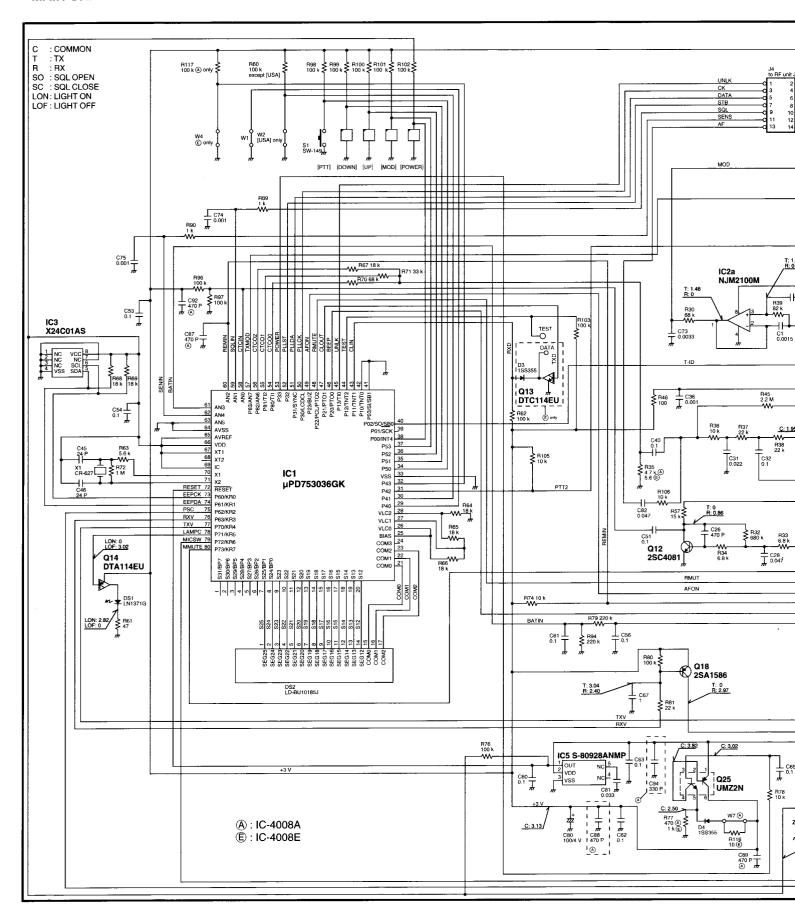


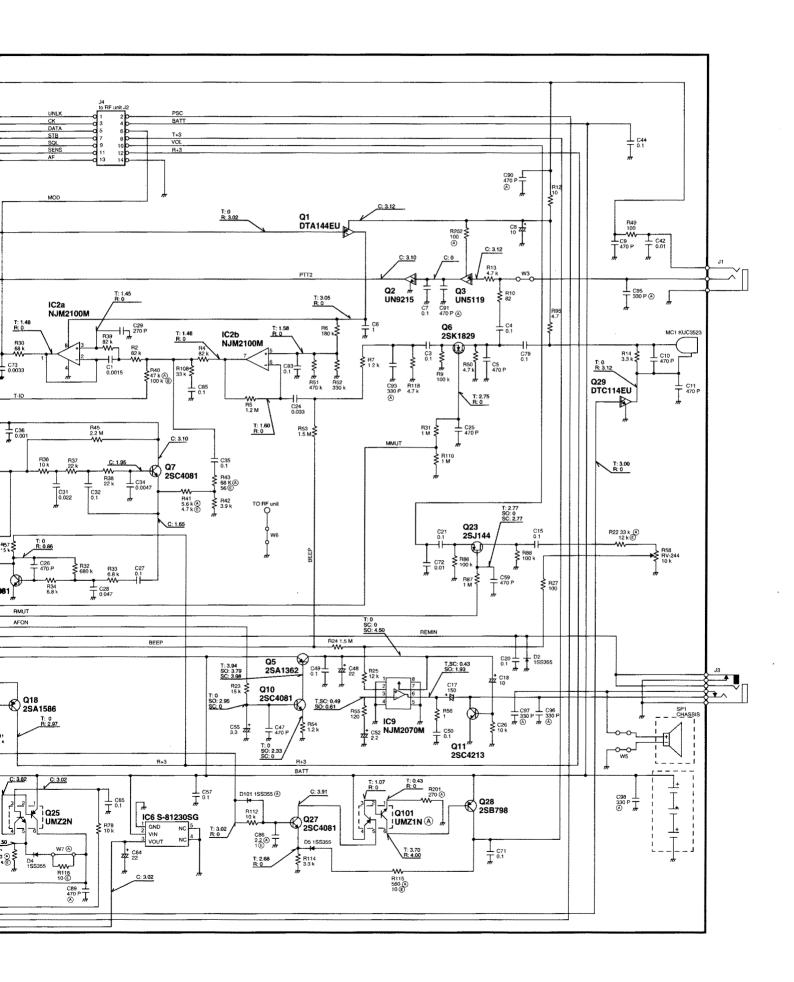
IC4008E





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