# 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.

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# 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)		5(H) × 26.5(D) mm (H) × 1½32(D) inch		
	Weight (included 3 cells)	180 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	40 dB			
	Audio output power	100 mW at 10% dist	ortion with an 8 $\Omega$ 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]

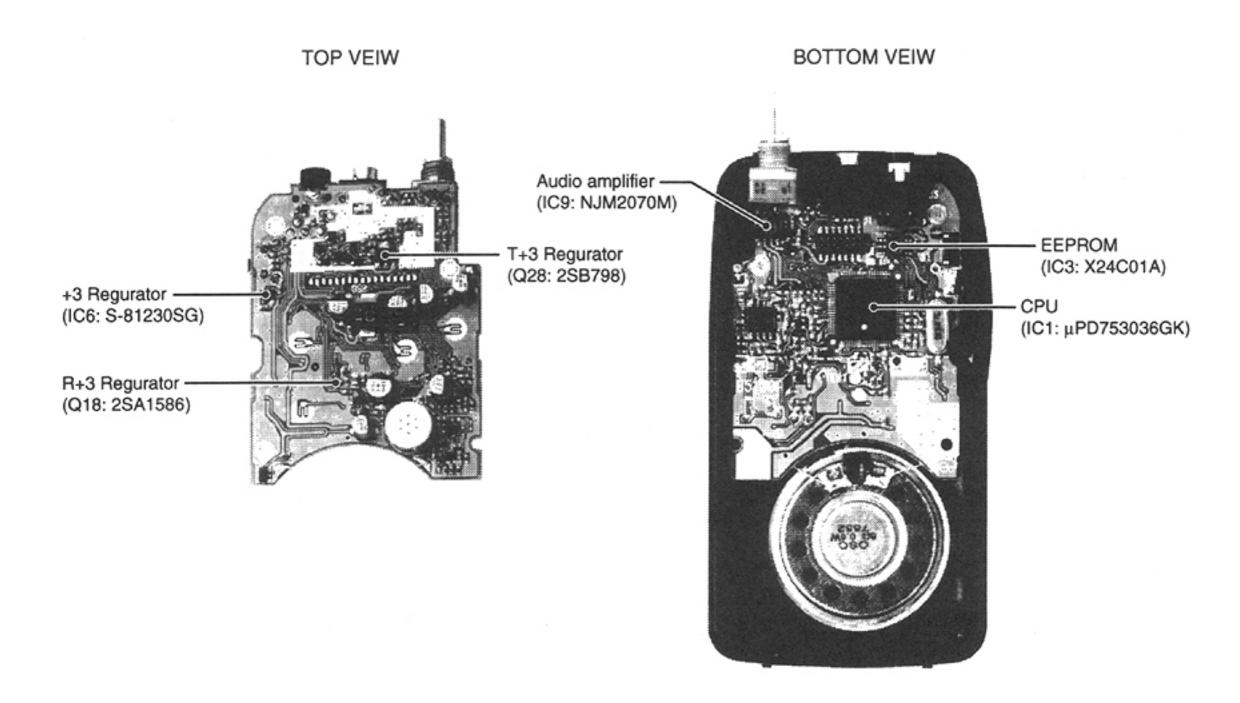
Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)
1	467.5125	6	467.5750	11	467.6375
2	467.5250	7	467.5875	12	467.6500
3	467.5375	8	467.6000	13	467.6625
4	467.5500	9	467.6125	14	467.6750
5	467.5625	10	467.6250		

# **TCTCSS FREQUENCY LIST**

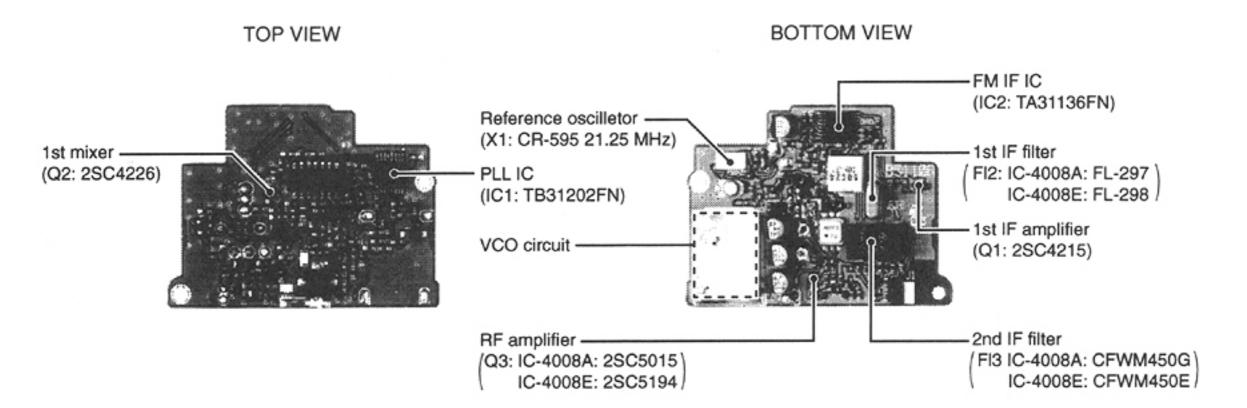
Channel No.	Frequency (Hz)	Channel No.	Frequency (Hz)	Channel No.	Frequency (Hz)
1	67.0	14	107.2	27	167.9
2	71.9	15	110.9	28	173.8
3	74.4	16	114.8	29	179.9
4	77.0	17	118.8	30	186.2
5	79.7	18	123.0	31	192.8
6	82.5	19	127.3	32	203.5
7	85.4	20	131.8	33	210.7
8	88.5	21	136.5	34	218.1
9	91.5	22	141.3	35	225.7
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



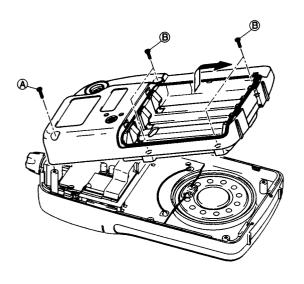
# RF UNIT



# SECTION 3 DISASEMBLY INSTRUCTIONS

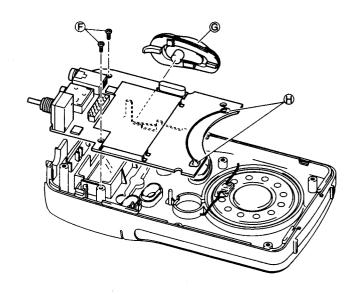
### • REMOVING THE REAR PANEL

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



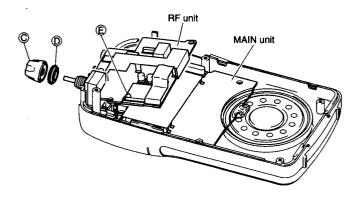
### • REMOVING THE MAIN UNIT

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



### • 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.

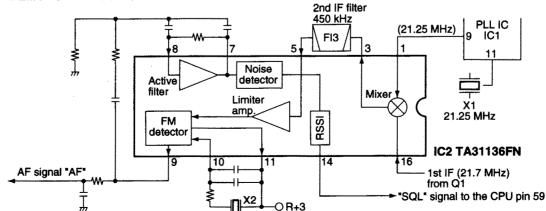
The mixed 2nd IF signal is output from pin 3 and passed through the ceramic bandpass filter (FI3) to remove unwanted heterodyne frequencies. It is then amplified at the limiter amplifier section (IC2, pin 5) and applied to the quadrature detector section (IC2, pins 10, 11) to demodulate the 2nd IF signal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

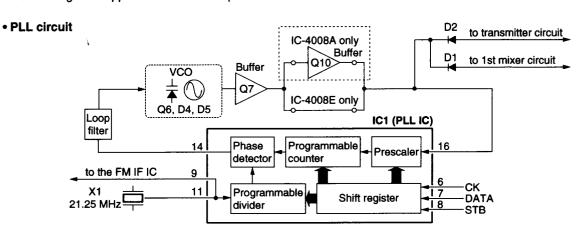
The power amplified signal is then applied to the antenna via the low-pass filter circuits.

### 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 number	Port 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**

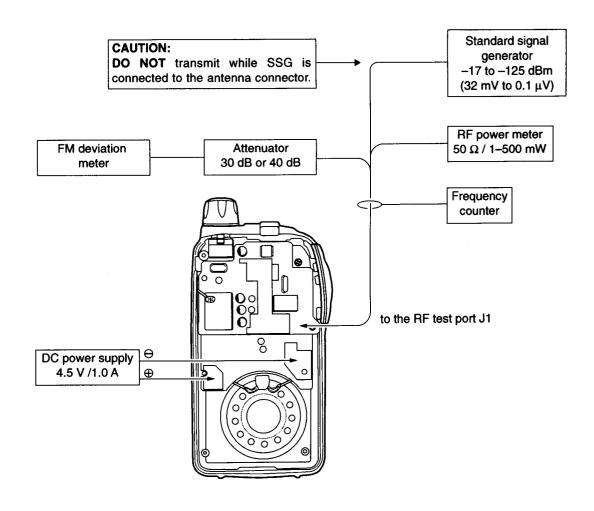
# ■ REQUIRED TEST EQUIPMENT

EQUIPMENT  DC power supply	GRADE AND RANGE		EQUIPMENT	GRADE AND RANGE	
		: 4.5 V DC : 1 A or more	Audio generator	Frequency range Measuring range	: 300–3000 Hz : 1–500 mV
RF power meter Freque	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)
SWR Frequency rang		: 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: ±1 ppm or better Sensitivity: 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	g vange	: 50 kΩ/V DC or better	Attenuator	Power attenuation Capacity	: 30 or 40 dB : 1 W or more

#### **■ ENTERING THE ADJUSTMENT MODE**

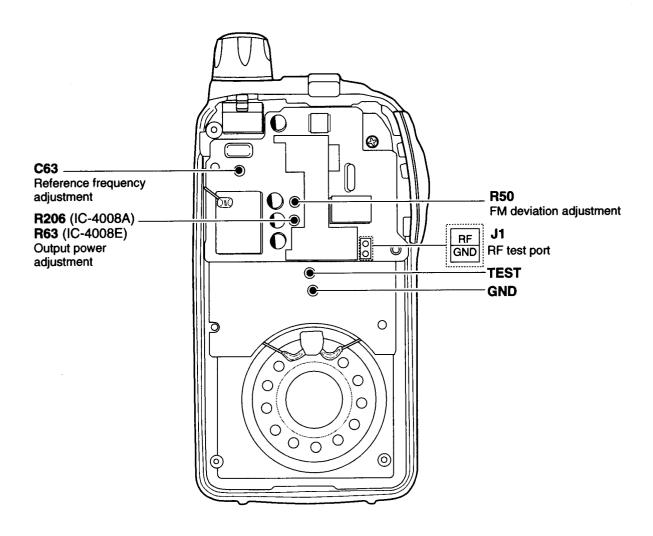
- 1 Turn the transceiver power OFF.
- ②While connecting the "TEST" and "GND" on the RF board, then turn power ON. (See location at page 5-3)

#### **■ 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	4	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.	±2.45 kHz [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	<b>.</b>	X24C01AS-3.0T6 S-80928ANMP-DDR-T2
IC6	1110004710 1180001150	i	S-81230SG-QB-T1
IC9	1110002810	S.IC	NJM2070M-T1
Q1 Q2	1590000720 1590001860	S.TRANSISTOR S.TRANSISTOR	DTA144EUA T106 UN9215 (TX)
Q3	i .	S.TRANSISTOR	UN5119 (TX)
Q5	1510000580		2SA1362-GR (TE85R)
Q6 Q7	1560000840	S.FET S.TRANSISTOR	2SK1829 (TE85R) 2SC4081 T107 S
Q10		S.TRANSISTOR	2SC4081 T107 S
Q11		S.TRANSISTOR	2SC4213-B (TE85R)
Q12		S.TRANSISTOR S.TRANSISTOR	2SC4081 T107 S DTC114EUA T106
Q13 Q14		S.TRANSISTOR	DTA114EUA T106
Q18	l .	S.TRANSISTOR	2SA1586-GR (TE85R)
Q23	1590001390		2SJ144-Y (TE85R) UMZ2N TR
Q25 Q27		S.TRANSISTOR S.TRANSISTOR	2SC4081 T107 S
Q28		S.TRANSISTOR	2SB798-T2 DK
Q29		S.TRANSISTOR	DTC114EUA T106
Q101	1590002630	S.TRANSISTOR	UMZ1N TR 🔼 only
D2	1750000550	S DIODE	1SS355 TE-17
D3	1750000550		1SS355 TE-17
D4	1750000550		1SS355 TE-17
D5	1750000550	l	1SS355 TE-17 1SS355 TE-17
D101	1750000550	S.DIODE	1SS355 TE-17  ▲ only
<b>X</b> 1	6050010450	S.XTAL	CR-627
R2	7020002670	S.RESISTOR	ERJ3GEYJ 823 V (82 kΩ)
R4	7030003670		ERJ3GEYJ 823 V (82 kΩ)
R5	1	S.RESISTOR	ERJ3GEYJ 125 V (1.2 MΩ)
R6 R7		S.RESISTOR S.RESISTOR	ERJ3GEYJ 184 V (180 kΩ) ERJ3GEYJ 122 V (1.2 kΩ)
R9		S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R10		S.RESISTOR	ERJ3GEYJ 820 V (82 Ω)
R12 R13		S.RESISTOR S.RESISTOR	ERJ3GEYJ 100 V (10 Ω) ERJ3GEYJ 472 V (4.7 kΩ)
R14		S.RESISTOR	ERJ3GEYJ 332 V (3.3 kΩ)
R22		S.RESISTOR	ERJ3GEYJ 123 V (12 kΩ) [E]
R23	7030003620 7030003580		ERJ3GEYJ 333 V (33 kΩ) ERJ3GEYJ 153 V (15 kΩ)
R24		S.RESISTOR	ERJ3GEYJ 155 V (1.5 MΩ)
R25	7030003570		ERJ3GEYJ 123 V (12 kΩ)
R26 R27	7030003560	S.RESISTOR S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ) ERJ3GEYJ 101 V (100 Ω)
R30	7030003660	S.RESISTOR	ERJ3GEYJ 683 V (68 kΩ)
R31		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		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		S.RESISTOR	ERJ3GEYJ 562 V (5.6 kΩ)
R42	7030003510	S.RESISTOR	ERJ3GEYJ 392 V (3.9 kΩ)
R43		S.RESISTOR	ERJ3GEYJ 683 V (68 kΩ) ERJ3GEYJ 225 V (2.2 MΩ)
R45 R46		S.RESISTOR S.RESISTOR	ERJ3GEYJ 225 V (2.2 MΩ) ERJ3GEYJ 101 V (100 Ω)
R49	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)
R50		S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ)
R51 R52		S.RESISTOR S.RESISTOR	ERJ3GEYJ 474 V (470 kΩ) 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				
R72         7030003800 S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R76         7030003400 S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R77         7030003440 S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R78         7030003400 S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R79         7030003720 S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R80         7030003720 S.RESISTOR         ERJ3GEYJ 224 V (220 kΩ)           R80         7030003600 S.RESISTOR         ERJ3GEYJ 224 V (220 kΩ)           R81         7030003600 S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R86         7030003600 S.RESISTOR         ERJ3GEYJ 105 V (1 MΩ)           R87         7030003600 S.RESISTOR         ERJ3GEYJ 105 V (1 MΩ)           R88         7030003440 S.RESISTOR         ERJ3GEYJ 105 V (1 kΩ)           R90         7030003520 S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R95         7030003600 S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R96         7030003680 S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R98         7030003680 S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R99         7030003680 S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R101         7030003680 S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)		1	1	ERJ3GEYJ 683 V (68 kΩ)
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	
R76	•	f	i ·	
R77         7030003440   S.RESISTOR PRJ3GEYJ 102 V (1 kΩ)         ERJ3GEYJ 471 V (470 Ω)         ERJ3GEYJ 671 V (470 Ω)         ERJ3GEYJ 103 V (10 kΩ)         ERJ3GEYJ 030 V (10 kΩ)         ERJ3GEYJ 030 V (10 kΩ)         ERJ3GEYJ 104 V (100 kΩ)         ERJ3GEYJ 030 V (20 kΩ)         ERJ3GEYJ 104 V (100 kΩ)         ERJ3GEYJ 030 V (20 kΩ)         ERJ3GEYJ 103 V (20 kΩ)         ERJ3GEYJ 104 V (100 kΩ)         ERJ3GEYJ 103 V (20 kΩ)         ERJ3GEYJ 103 V (10 kΩ)         ERJ3GEYJ 104 V (100 kΩ)		i .	t .	
R79   7030003560   S.RESISTOR		7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ) E
R79				
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	
R89		7030003800	S.RESISTOR	
R90         7030003440         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R94         7030003520         S.RESISTOR         ERJ3GEYJ 224 V (220 kΩ)           R96         7030003680         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R97         7030003680         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R97         7030003680         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R99         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)           R103         7030003680         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R104         7030003560         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R105         7030003560         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R110         7030003500         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R111         7030003500         S.RESISTOR         ERJ3GEYJ 100 V (10 Ω)           R116         7030003500         S.RESISTOR         ERJ3GEYJ 100 V (10 Ω) <td></td> <td>1</td> <td>I</td> <td></td>		1	I	
R94         7030003720         S.RESISTOR         ERJ3GEYJ 224 V (220 kΩ)           R95         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)           R99         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)           R103         7030003680         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R103         7030003560         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R106         7030003560         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R110         7030003560         S.RESISTOR         ERJ3GEYJ 333 V (33 kΩ)           R111         7030003500         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R114         7030003500         S.RESISTOR         ERJ3GEYJ 332 V (3.3 kΩ)           R115         7030003500         S.RESISTOR         ERJ3GEYJ 100 V (10 Ω				
R95         7030003520         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R97         7030003680         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R98         7030003680         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R99         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)           R103         7030003680         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R105         7030003680         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R106         7030003600         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R107         7030003600         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R110         7030003500         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R114         7030003500         S.RESISTOR         ERJ3GEYJ 332 V (33 kΩ)           R115         7030003500         S.RESISTOR         ERJ3GEYJ 100 V (10 Ω)         EN           R116         7030003500         S.RESISTOR         ER				
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)     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)     R103   7030003680   S.RESISTOR   ERJ3GEYJ 104 V (100 kΩ)     R104   7030003680   S.RESISTOR   ERJ3GEYJ 104 V (100 kΩ)     R105   7030003660   S.RESISTOR   ERJ3GEYJ 104 V (100 kΩ)     R106   7030003560   S.RESISTOR   ERJ3GEYJ 103 V (10 kΩ)     R107   7030003560   S.RESISTOR   ERJ3GEYJ 103 V (10 kΩ)     R108   7030003560   S.RESISTOR   ERJ3GEYJ 103 V (10 kΩ)     R110   7030003500   S.RESISTOR   ERJ3GEYJ 103 V (10 kΩ)     R111   7030003500   S.RESISTOR   ERJ3GEYJ 103 V (10 kΩ)     R112   7030003500   S.RESISTOR   ERJ3GEYJ 103 V (10 kΩ)     R114   7030003500   S.RESISTOR   ERJ3GEYJ 103 V (10 kΩ)     R115   7030003200   S.RESISTOR   ERJ3GEYJ 100 V (10 Ω)   E     R116   7030003200   S.RESISTOR   ERJ3GEYJ 100 V (10 Ω)   E     R117   703000360   S.RESISTOR   ERJ3GEYJ 100 V (10 Ω)   E     R118   703000350   S.RESISTOR   ERJ3GEYJ 100 V (10 Ω)   E     R119   703000350   S.RESISTOR   ERJ3GEYJ 100 V (10 Ω)   E     R110   7030003370   S.RESISTOR   ERJ3GEYJ 101 V (100 kΩ)   E     R111   7030003370   S.RESISTOR   ERJ3GEYJ 101 V (100 kΩ)   E     R112   7030003370   S.RESISTOR   ERJ3GEYJ 101 V (100 kΩ)   E     R114   7030003370   S.RESISTOR   ERJ3GEYJ 101 V (100 kΩ)   E     R116   7030003370   S.RESISTOR   ERJ3GEYJ 101 V (100 kΩ)   E     R117   7030003370   S.RESISTOR   ERJ3GEYJ 101 V (100 kΩ)   E     R118   7030003520   S.RESISTOR   ERJ3GEYJ 101 V (100 kΩ)   E     R119   7030003520   S.RESISTOR   ERJ3GEYJ 101 V (100 kΩ)   E     R110   7030003520   S.RESISTOR   ERJ3GEYJ 101 V (100 kΩ)   E     R111   7030003520   S.RESISTOR   ERJ3GEYJ 101 V (100 kΩ)   E     R111   7030003520   S.RESISTOR   ERJ3GEYJ 101 V (100 kΩ)   E     R112   7030003520   S.RESISTOR   ERJ3GEYJ 101 V (1				` ,
R98         7030003680         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R99         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)           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)           R110         703000360         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R111         703000360         S.RESISTOR         ERJ3GEYJ 303 V (10 kΩ)           R112         703000360         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R114         7030003200         S.RESISTOR         ERJ3GEYJ 320 V (3.3 kΩ)           R115         7030003410         S.RESISTOR         ERJ3GEYJ 100 V (10 Ω)         E only           R117         7030003200         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)         A only           R118         7030003370         S.RES		1		
R99		8		
R100				
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
C3	Cı	402000000	C CEDAMIC	C1608 IR 11 150FTA
C4				
C5				
C7				
C8		1		
C9				
C10				
C11				
C17				
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]

REF	ORDER		
NO.	NO.		DESCRIPTION
C27		S.CERAMIC	C1608 JB 1C 104KT-N
C28 C29	4030008920	S.CERAMIC S.CERAMIC	C1608 JB 1C 473K-T-A C1608 CH 1H 271J-T-A
C31	4030008880	S.CERAMIC	C1608 CH 1H 2/1J-1-A C1608 JB 1C 223K-T-A C1608 JB 1C 104KT-N C1608 JB 1H 472K-T-A C1608 JB 1C 104KT-N C1608 CH 1H 240J-T-A C1608 CH 1H 240J-T-A
C32	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C34	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C35 C36	4030011600	S.CERAMIC	C1608 JB 1H 102K-T-A
C40	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C42	4030006900	S.CERAMIC	C1608 JB 1E 103K-T-A
C44 C45	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C45	4030009650	S.CERAMIC	C1608 CH 1H 240J-T-A
C47	4030000000	3.CENAIVIC	C1000 3D 111 47 1K-1-X
C48		S.ELECTROLYTIC	
C49 C50		S.CERAMIC S.CERAMIC	C1608 JB 1C 104KT-N C1608 JB 1C 104KT-N
C51		S.CERAMIC	C1608 JB 1C 104KT-N
C52		S.ELECTROLYTIC	
C53	4030011600	S.CERAMIC S.CERAMIC	C1608 JB 1C 104KT-N
C54 C55	4510005870	S.ELECTROLYTIC	C1608 JB 1C 104KT-N ECEV1HA3R3SR
C56	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C57	4030011600	S.CERAMIC	ECEV1HA3R3SR C1608 JB 1C 104KT-N C1608 JB 1C 104KT-N C1608 JB 1H 471K-T-A C1608 JB 1C 104KT-N C1608 JB 1C 104KT-N C1608 JB 1C 104KT-N C1608 JB 1C 104KT-N
C59	4030006850	S.CERAMIC	C1608 JB 1H 471K-T-A
C60 C61	4030011600	S.CERAMIC	C1608 JB 1C 104K1-N
C62	4030011600	S.CERAMIC S.CERAMIC	C1608 JB 1C 104KT-N
C63	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C64	4510005430	S.ELECTROLYTIC	C1609 IB 1C 104KT N
C65 C67	4030011600	S.CERAMIC S.CERAMIC	C2012 JF 1C 105Z-T-A
C71	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C72	4030006900	S.CERAMIC	C1608 JB 1E 103K-T-A
C73 C74	4030008650	S.CERAMIC	C1608 JB 1H 332K-T-A
C75	4030006860	S.CERAMIC	ECEVOJA220SR C1608 JB 1C 104KT-N C2012 JF 1C 105Z-T-A C1608 JB 1C 104KT-N C1608 JB 1E 103K-T-A C1608 JB 1H 332K-T-A C1608 JB 1H 102K-T-A C1608 JB 1H 102K-T-A C1608 JB 1C 104KT-N
C79	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C80	4510005900	S.ELECTROLYTIC	ECEV0GA101SR
C81 C82	4030008900	S.CERAMIC S.CERAMIC	C1608 JB 1C 333K-T-A C1608 JB 1C 473K-T-A
C83	4030000920	S.CERAMIC	C1608 JB 1C 104KT-N
C85	4030011600	S.CERAMIC S.CERAMIC	C1608 JB 1C 104KT-N
C86	4030008680	S.CERAMIC	C2012 JF 1C 105Z-T-A  C2012 JF 1C 225Z-T-A  C1608 JB 1H 471K-T-A  Only
C87	4030009590	S.CERAMIC S.CERAMIC	C1608 JB 1H 471K-T-A 🙉 only
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 C91	4030006850	S.CERAMIC S.CERAMIC	C1608 JB 1H 471K-T-A (A) only
C92		S.CERAMIC	C1608 JB 1H 471K-T-A A only
C93		S.CERAMIC	C1608 CH 1H 331J-T-A 🖪 only
C94		S.CERAMIC	C1608 CH 1H 331J-T-A 🖪 only
C95 C96	:	S.CERAMIC S.CERAMIC	C1608 CH 1H 331J-T-A A only C1608 CH 1H 331J-T-A A only
C97		S.CERAMIC	C1608 CH 1H 331J-T-A A only
C98		S.CERAMIC	C1608 CH 1H 331J-T-A 🖪 only
DS1	5010000120		LN1371G-(TR)
DS2	5030001580	LCD	LD-BU10185J (E-10185-1)
S1	2260001900	SWITCH	SW-149 (SKHLLD)
			, ,
,	6450000400	CONNECTOR	HC 11102.01-E40
J1 J3	Y	CONNECTOR CONNECTOR	HSJ1102-01-540 HSJ1493-01-010
J4		S.CONNECTOR	4-175638-4
W1	7030003860	S.ILIMPER	ERJ3GE JPW V
W1 W2		S.JUMPER S.JUMPER	ERJ3GE JPW V [USA] only
WЗ	7030003860	S.JUMPER	ERJ3GE JPW V
W4		S.JUMPER	ERJ3GE JPW V E only
W6 W7	7120000470	JUMPER S.JUMPER	ERDS2T0 ERJ3GE JPW V A only
"''	, 00000000	C.OOMI EII	E. ISSUE OF IT F
,,,,,	7700000100	MICBORUGU	KI 100500 040045
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]

[RF U				
REF NO.	ORDER NO.	ι	DESCRIPTION	
IC1	1110004150	S.IC	TB31202FN (ER)	
IC2	1110003200	S.IC	TA31136FN (EL)	
			` ,	
Q1		S.TRANSISTOR	2SC4215-O (TE85R)	
Q2	1	S.TRANSISTOR	2SC4226-T2 R25	
Q3		S.TRANSISTOR	2SC5194-T1	E
		S.TRANSISTOR	2SC5015-T1	A A
Q4 Q6	1590000430	S.TRANSISTOR S.TRANSISTOR	DTC144EUA T106 2SC5108-Y (TE85R)	E only
Q7		S.TRANSISTOR	2SC5108-Y (TE85R)	
Q8		S.TRANSISTOR	2SC4228-T2 R44	🔼 only
Q9		S.TRANSISTOR	2SC4226-T2 R25	E only
Q10	1530003320	S.TRANSISTOR	2SC5108-Y (TE85R)	E only
Q12	1530003320	S.TRANSISTOR	2SC5108-Y (TE85R)	1
Q13		S.TRANSISTOR	2SC4081 T107 S	1
Q14		S.TRANSISTOR	2SA1586-GR (TE85R)	
Q15		S.TRANSISTOR	2SC4081 T107 S	
Q16		S.TRANSISTOR	2SC4081 T107 S	To ank
Q18 Q201	1530003550	S.TRANSISTOR S.TRANSISTOR	2SC5193-T1 2SC3356 R24-T2B	E only A only
Q202	1590002600		MRF9745 T1	A only
Q202	1590002000	3.F E 1	WIN 3745 11	E CITIY
D1	1790000620		MA77 (TX)	1
D2	1790000620		MA77 (TX)	I
D4	1720000640		1SV284 (TPH3)	
D5	1720000640		1SV284 (TPH3)	
D6 D7	1790000620 1790000620		MA77 (TX) MA77 (TX)	<b>■</b> only
U/	1790000620		MA2S077-(TX)	E
D8	1750000550		1\$\$355 TE-17	-
D9	1750000550		1SS355 TE-17	1
D10	1750000160		DA114 T107	■ only
D101	1790001260	S.DIODE	MA2S077-(TX)	A only
D102	1790001260		MA2S077-(TX)	Only
D103	1790001240	S.DIODE	MA2S728-(TX)	A only
FI1	2040001330	S.SAW	NSVA468	E
	2040001320	S.SAW	EFCH465MCNA2	A
FI2	2010002330		FL-298 (21.700 MHz)	E
	2010002320		FL-297 (21.700 MHz)	A
FI3	2020001270		CFWM450E CFWM450G	E
	2020001410	CERAMIC	CFWM450G	
X1	6050010190		CR-596 (21.250 MHz)	▣
V0	6050010180		CR-595 (21.250 MHz)	<b>A</b>
X2	6070000210	S.DISCRIMINATOR	CDBCA450CX24	
L1	6200002240	S.COIL	ELJFC 2R2K-F	ŀ
L3	6200004380		LL1608-F18NK	
L4	6200005670		ELJRE 12NG-F	ĺ
L5	6200004380		LL1608-F18NK	
ایرا	6200008270		0.26-1.0-5TL 17N	<u>.</u>
L6	6200005690 6200008270		ELJRE 18NG-F 0.26-1.0-5TL 17N	E
L9	6200005690		ELJRE 18NG-F	E only
L10	6200005700		ELJRE 22NG-F	E
	6200005710		ELJRE 27NG-F	Ā
L11	6200003640		MLF1608K 100K-T	Ţ,
L12	6200003640		MLF1608K 100K-T	ł
L13	6200002350		LQN 1A 27NJ04	_
L14	6200005740		ELJRE 47NG-F ELJRE 33NG-F	E
L15	6200005720 6200007000		ELJRE 82NG-F	A
L16	6200007000		ELJRE 33NG-F	E only
L17		S.COIL	ELJRE 18NG-F	E only
			S.=Surface	

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

S.=Surface mount

#### **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		7030003510	S.RESISTOR	
\$\text{Prize}   \$Priz				
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				
T745		1	ł	
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				
R86	–			
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 11 4102K-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           R213         703000350         S.CERAMIC         C 1608 JB 1H 102K-T-A         E only           C1         4030006850         S.CERAMIC         C 1608 JB 1H 471K-T-A         E only           C4         4030006850         S.CERAMIC         C 1608 JB 1H 471K-T-A				
R93				
Pa94   7030003440   S. RESISTOR   R. P. STOR   R. P.		1		
R202			<b>}</b>	
R205				
R209				
R209				` ' - '
R209   7030003360   S.RESISTOR   ERJ3GEYJ 221 V (220 Ω)				
R211				· · · · · · · · · · · · · · · · · · ·
R211			i e	
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				
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 185B-T-A           C15         4030006860 S.CERAMIC         C1608 CH 1H 185C-T-A           C16         4030006860 S.CERAMIC         C1608 JB 1H 471K-T-A           C16         4030006860 S.CERAMIC         C1608 JB 1H 122K-T-A           C16         4030006860 S.CERAMIC         C1608 JB 1H 471K-T-A           C16         4030006860 S.CERAMIC         C1608 JB 1H 471K-T-A           C16         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		•	1	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></td>		•		
C6				
C7		1		
C8				
C9		I		
C10				
C110				
C11	C10	4		
C12	C11	1	1	
C15		1	ſ	
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           C32         4030006970         S.CERAMIC         C1608 CH 1H 100D-T-A         E           C35         4030006970 <t< td=""><td></td><td></td><td></td><td></td></t<>				
C17				
C18				
C21		1		
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 C1608 JB 1H 471K-T-A E JB C1608 JB				
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			1
C35		4030006980		C1608 CH 1H 070D-T-A
C36				
4030006970   S.CERAMIC   C1608 CH 1H 060D-T-A   A				
C42         4030008290         S.CERAMIC         C1608 UJ 1H 270J-T-A           C43         4030007040         S.CERAMIC         C1608 CH 1H 180J-T-A           C44         4030007060         S.CERAMIC         C1608 CH 1H 270J-T-A         E           C45         4030007010         S.CERAMIC         C1608 CH 1H 120J-T-A         A           C46         4030007050         S.CERAMIC         C1608 CH 1H 120J-T-A         A           C47         4030007050         S.CERAMIC         C1608 CH 1H 120J-T-A         A           C48         4030007050         S.CERAMIC         C1608 CH 1H 120J-T-A         A           C47         4030007050         S.CERAMIC         C1608 CH 1H 120J-T-A         A           C50         4030007050         S.CERAMIC         C1608 CH 1H 120J-T-A         A           C50         4030007000         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 120J-T-A         A           C53         4030009540         S.CERAMIC         C1608 CH	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		1		
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 120J-T-A         A           C52         4030007020         S.CERAMIC         C1608 CH 1H 120J-T-A         A           C52         4030006930         S.CERAMIC         C1608 CH 1H 1090D-T-A         A           C53         4030009540         S.CERAMIC         C1608 CH 1H 1020C-T-A         A           C54         4030009350         S.CERAMIC         C1608 CH 1H 185B-T-A         E           C54         4030006940         S.CERAMIC         C1608 CH 1H 1030C-T-A         E	C44	1		
C46         4030006850 S.CERAMIC 4030007050 S.CERAMIC 4030007050 S.CERAMIC C1608 CH 1H 220J-T-A E1 4030007050 S.CERAMIC C1608 CH 1H 120J-T-A A1 4030006900 S.CERAMIC C1608 CH 1H 120J-T-A A1 4030007020 S.CERAMIC C1608 CH 1H 120J-T-A E1 4030007020 S.CERAMIC C1608 CH 1H 120J-T-A E1 4030007000 S.CERAMIC C1608 CH 1H 120J-T-A E1 4030007020 S.CERAMIC C1608 CH 1H 120J-T-A E1 4030006930 S.CERAMIC C1608 CH 1H 185B-T-A E1 4030006940 S.CERAMIC C1608 CH 1H 185B-T-A E1 4030006940 S.CERAMIC C1608 CH 1H 1875B-T-A E1 4030006940 S.CERAMIC C1608 CH 1H 030C-T-A E1 40300006940 S.CERAMIC C1608 CH 1H 030C-T-A E1 4030006940 S.CERAMIC C1	0			
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           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	i .		
C47	C46	\$	1	
C48			Į.	
C50				
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		5		
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 1R5B-T-A C1608 CH 1H 1R5B-T-A C1608 CH 1H 1R5B-T-A C1608 CH 1H 3R5B-T-A C1608 CH 1H 030C-T-A C1608 CH 1H 030C-	C50	i		
C52   4030007000   S.CERAMIC   C1608 CH 1H 090D-T-A   A   C   C   C   C   C   C   C   C	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		3		
	U54			
		10000000940	J. J. I.	S.=Surface mount

S.=Surface mount

# [RF UNIT]

C55	REF NO.	ORDER NO.	ſ	DESCRIPTION
C56			S CERAMIC	C1608 JB 1H 471K-T-A
C57 4030009470 C58 4030009470 C59 C59 4030009650 C50 C60 C60 C60 C60 C60 C60 C60 C60 C60 C6				
C58	-			
CSB	C57			
C589         4030006850         S.CERAMIC         C1608 JB 1H 471K-T-A E or C1608 JB 1G 223K-T-A PRINTED CEPUNAZ20SR           C61         4030006890         S.CERAMIC         C1608 CH 1H 050C-T-A C1608 JB 1E 103K-T-A C1608 JB 1E 1471K-T-A C1607 PM C1608 JB 1E 103K-T-A PM C1608 JB 1E 103K-T-A PM C1608 JB 1E 103K-T-A C1608 JB 1E 1	-0.			
C59         4030006850         S.CERAMIC         C1608 JB 1H 471K-T.A E or C1608 JB 1M 471K-T.A E or C1608 JB 003006800         S.CERAMIC         C1608 CH 1H 050C-T.A C1608 JB 1C 223K-T.A C1608 JB 1C 223K-T.A C1608 JB 1E 103K-T.A C1608 JB 1H 471K-T.A C1608 JB 1M 471K-T.A C1609 JB 1M 471K-T.A C160	C58			C1608 JB 1H 471K-T-A E only
660         4510005430         S.ELECTROLYTIC         ECEVOJA22OSR           621         4030006980         S.CERAMIC         C1608 CH 1H 10 50C-T-A           622         4030006980         S.CERAMIC         C1608 JB 1C 223K-T-A           63         4610002150         S.TRIMIMER         C1608 JB 1C 224Z-T-A           64         4030006850         S.CERAMIC         C1608 JB 1H 471K-T-A           65         4030006850         S.CERAMIC         C1608 JB 1C 104KT-N           668         4550006150         S.TANTALUM         ECST1CY1058           4550006150         S.CERAMIC         C1608 JB 1H 471K-T-A         ECT           670         4030006850         S.CERAMIC         C1608 JB 1H 471K-T-A         ECT           671         4030006850         S.CERAMIC         C1608 JB 1H 471K-T-A         ECT           672         4030006850         S.CERAMIC         C1608 JB 1H 471K-T-A         ECT           673         4030006850         S.CERAMIC         C1608 JB 1H 471K-T-A         ECT           674         4030006850         S.CERAMIC         C1608 JB 1H 471K-T-A         ECT           675         4030006850         S.CERAMIC         C1608 JB 1H 471K-T-A         ECT           676         4030006850         <				C1608 JB 1H 471K-T-A E only
C62         4030008880         S.CERAMIC         C1608 JB 1C 223K-T-A           C63         4610002150         S.TRIMMER         C1608 JB 1E 103K-T-A           C64         4030008650         S.CERAMIC         C1608 JB 1E 103K-T-A           C65         4030006850         S.CERAMIC         C1608 JB 1T 471K-T-A           C67         4030011600         S.CERAMIC         C1608 JB 1H 471K-T-A           C68         4550006150         S.TANTALUM         ECSTICY105R           C57         4030006890         S.CERAMIC         C1608 JB 1H 471K-T-A         BOT           C69         4030006850         S.CERAMIC         C1608 JB 1H 471K-T-A         BOT           C71         4030006850         S.CERAMIC         C1608 JB 1H 471K-T-A         BOT           C72         4030006850         S.CERAMIC         C1608 JB 1H 471K-T-A         BOT           C73         403001600         S.CERAMIC         C1608 JB 1H 471K-T-A         BOT           C74         4030007105         S.CERAMIC         C1608 JB 1H 471K-T-A         BOT           C75         4030007105         S.CERAMIC         C1608 JB 1H 471K-T-A         BOT           C76         4030007105         S.CERAMIC         C1608 JB 1H 471K-T-A         BOT           C		4510005430	S.ELECTROLYTIC	ECEV0JA220SR
1030008900   S.CERAMIC   C1608 JB 1E 103K-T-A   C723-10A-W1-AF   C644   4030008850   S.CERAMIC   C1608 JF 1C 224Z-T-A   C1608 JG 1C 1C4KT-N   C1608 JG 1C4KT-N	C61	4030006960	S.CERAMIC	C1608 CH 1H 050C-T-A
C63         4610002150         S.TRIIMMER         C123S-10A-W1-AF           C64         4030009680         S.CERAMIC         C1608 JB 1C 224Z-T-A           C65         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C67         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C69         4550000500         S.TANTALUM         ECST1CY105R           C70         4030006890         S.CERAMIC         C1608 LB 1H 471K-T-A ☑ Or           C71         4030006850         S.CERAMIC         C1608 JB 1H 471K-T-A ☑ Or           C72         4030006850         S.CERAMIC         C1608 JB 1H 471K-T-A ☑ Or           C73         403001600         S.CERAMIC         C1608 JB 1H 471K-T-A         ☑ Or           C74         4030006850         S.CERAMIC         C1608 JB 1H 471K-T-A         ☑ Or           C75         4030006850         S.CERAMIC         C1608 JB 1H 471K-T-A         ☑ Or           C75         4030007105         S.CERAMIC         C1608 JB 1H 471K-T-A         ☑ Or           C77         4030007050         S.CERAMIC         C1608 JB 1C 473K-T-A         Ø OR           C78         4030071600         S.CERAMIC         C1608 JB 1C 104KT-N         Ø OR           C79         40300160	C62	4030008880	S.CERAMIC	
C64         4030006860 S.CERAMIC C1608 JB 11 4271K-T-A 4030011600 S.CERAMIC C1608 JB 11 471K-T-A 450000610 S.TANTALUM ECSTICY105R 4550006150 S.TANTALUM ECSTICY105R 4550006150 S.CERAMIC C1608 JB 11 4071K-T-A 20 or 14 4030006890 S.CERAMIC C1608 JB 11 4071K-T-A 20 or 14 4030006850 S.CERAMIC C1608 JB 11 4071K-T-A 20 or 14 4030006850 S.CERAMIC C1608 JB 11 4071K-T-A 20 or 14 4030006850 S.CERAMIC C1608 JB 11 4071K-T-A 20 or 14 4030006850 S.CERAMIC C1608 JB 11 4071K-T-A 20 or 14 4030006850 S.CERAMIC C1608 JB 11 4071K-T-A 20 or 14 4030006850 S.CERAMIC C1608 JB 11 4071K-T-A 20 or 14 4030006850 S.CERAMIC C1608 JB 11 4071K-T-A 20 or 14 4030006850 S.CERAMIC C1608 JB 11 4071K-T-A 20 or 14 4030006850 S.CERAMIC C1608 JB 11 4071K-T-A 20 or 14 4030006850 S.CERAMIC C1608 JB 11 4071K-T-A 20 or 14 4030007110 S.CERAMIC C1608 JB 11 4071K-T-A 20 or 14 4030007110 S.CERAMIC C1608 JB 11 4071K-T-A 20 or 14 4030008600 S.CERAMIC C1608 JB 11 4071K-T-A 20 or 14 4030008600 S.CERAMIC C1608 JB 11 4071K-T-A 20 or 14 4030008600 S.CERAMIC C1608 JB 11 4071K-T-A 20 or 14 4030008600 S.CERAMIC C1608 JB 11 C104KT-N		4030006900	S.CERAMIC	
C65         4030006850         S.CERAMIC         C1608 JB 1H 471K-T-A           C67         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C68         4550000560         S.TANTALUM         ECST1CY105R           C69         4030006850         S.CERAMIC         C1608 JB 1H 471K-T-A Ø of           C70         4030006850         S.CERAMIC         C1608 JB 1H 471K-T-A Ø of           C71         4030006850         S.CERAMIC         C1608 JB 1H 471K-T-A Ø of           C72         4030006850         S.CERAMIC         C1608 JB 1H 471K-T-A         Ø of           C73         403001600         S.CERAMIC         C1608 JB 1H 471K-T-A         Ø of           C74         4030006850         S.CERAMIC         C1608 JB 1H 471K-T-A         Ø of           C75         4030006850         S.CERAMIC         C1608 JB 1H 471K-T-A         Ø of           C75         4030007105         S.CERAMIC         C1608 JB 1H 471K-T-A         Ø of           C77         4030007960         S.CERAMIC         C1608 JB 1C 224Z-T-A         Ø of           C79         4510004650         S.CERAMIC         C1608 JB 1C 104KT-N         ECEV1CA100SR           C82         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N         ECEV1EA4P7SR </td <td></td> <td></td> <td></td> <td></td>				
C67         4030011600 S.CERAMIC S.TANTALUM 455000560 S.TANTALUM TESVA 1V 334M1-8L         C69 4550006150 S.TANTALUM TESVA 1V 334M1-8L           C69         4030006990 S.CERAMIC C1608 JB 1H 471K-T-A Ø or C160 GC14 4030006850 S.CERAMIC C1608 JB 1H 471K-T-A Ø or C160 GC14 4030006850 S.CERAMIC C1608 JB 1H 471K-T-A Ø or C160 GC14 4030006850 S.CERAMIC C1608 JB 1H 471K-T-A Ø or C160 GC14 4030006850 S.CERAMIC C1608 JB 1H 471K-T-A Ø or C160 GC14 4030006850 S.CERAMIC C1608 JB 1H 471K-T-A Ø or C160 GC14 4030006850 S.CERAMIC C1608 JB 1H 471K-T-A Ø or C160 GC14 GC14 GC14 GC14 GC14 GC14 GC14 GC14				_
C68         4550006150         S.TANTALUM         ECSTICY105R           C69         4030006990         S.CERAMIC         C1608 CH 1H 0800-T-A           C70         4030006850         S.CERAMIC         C1608 JB 1H 471K-T-A B or           C71         4030006850         S.CERAMIC         C1608 JB 1H 471K-T-A B or           C72         4030006850         S.CERAMIC         C1608 JB 1H 471K-T-A B or           C73         4030006850         S.CERAMIC         C1608 JB 1H 471K-T-A         EO           C74         4030006850         S.CERAMIC         C1608 JB 1H 471K-T-A         EO           C75         4030007650         S.CERAMIC         C1608 JB 1H 471K-T-A         EO           C76         4030007100         S.CERAMIC         C1608 JB 1H 471K-T-A         EO           C77         4030007101         S.CERAMIC         C1608 JB 1C 473K-T-A         EO           C80         4030008600         S.CERAMIC         C1608 JB 1C 473K-T-A         EO           C81         4030001800         S.CERAMIC         C1608 JB 1C 104KT-N         ECEVIEA4R7SR           C82         4030011810         S.CERAMIC         C1608 JB 1A 224K-T-N         ECEVIEA4R7SR           C83         4030006850         S.CERAMIC         C1608 JB 1E 103K-T-A				
455000560   S.TANTALUM   TESVA 1V 334M1-BL				
C69         4030006990         S.CERAMIC         C1608 BH 14 471K-T-A         ☑ C1608 JB 11 471K-T-A         ☑ C1608 JB 10 471K-T-A	C68			
C70         4030006850         S.CERAMIC         C1608 JB 1H 471K-T-A	Cen			
C71         4030006850         S.CERAMIC         C1608 JB 1H 471K-T-A	1			
C72         403000850         S.CERAMIC         C1608 JB 1H 471K-T-A           C73         403001600         S.CERAMIC         C1608 JB 1C 104KT-N           C74         4030006850         S.CERAMIC         C1608 JB 1H 471K-T-A           C75         4030006850         S.CERAMIC         C1608 JB 1H 471K-T-A           C76         403000750         S.CERAMIC         C1608 JB 1H 471K-T-A           C77         4030007610         S.CERAMIC         C1608 CH 1H 220J-T-A           C79         4510004630         S.ELECTROLYTIC ECEV1CA100SR           680         4030009600         S.CERAMIC         C1608 JB 1C 473K-T-A           C81         4030008920         S.CERAMIC         C1608 JB 1C 104KT-N           C82         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C83         4030006800         S.CERAMIC         C1608 JB 1T 471K-T-A           C84         4030006800         S.CERAMIC         C1608 JB 1A 471K-T-A           C85         4510004650         S.ELECTROLYTIC         ECEV1EAAR7SR           C86         4030011810         S.CERAMIC         C1608 JB 1C 104KT-N           C87         4030006900         S.CERAMIC         C1608 JB 1E 103K-T-A           C90         4030006900         S.CERAMI	1			
C73         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C74         4030006850         S.CERAMIC         C1608 JB 1H 471K-T-A           C75         4030006850         S.CERAMIC         C1608 JB 1H 471K-T-A           C76         4030006850         S.CERAMIC         C1608 JB 1H 471K-T-A           C77         4030007100         S.CERAMIC         C1608 CH 1H 680J-T-A           C79         4510004630         S.CERAMIC         C1608 CH 1H 680J-T-A           C79         4510004630         S.CERAMIC         C1608 JF 1C 224Z-T-A           C81         403000960         S.CERAMIC         C1608 JB 1C 104KT-N           C82         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C83         4030006850         S.CERAMIC         C1608 JB 1C 104KT-N           C84         4030011810         S.CERAMIC         C1608 JB 1A 224K-T-N           C85         4510004650         S.ELECTROLYTIC         ECEV1EA4R7SR           C86         4030011800         S.CERAMIC         C1608 JB 1A 224K-T-N           C87         4030006900         S.CERAMIC         C1608 JB 1E 103K-T-A           C89         4030006900         S.CERAMIC         C1608 JB 1E 103K-T-A           C91         4030006900 <td></td> <td></td> <td></td> <td></td>				
C74         4030006850         S.CERAMIC         C1608 JB 1H 471K-T-A           C75         4030006850         S.CERAMIC         C1608 JB 1H 471K-T-A           C76         4030006850         S.CERAMIC         C1608 JB 1H 471K-T-A           C76         4030007505         S.CERAMIC         C1608 JB 1H 471K-T-A           C77         4030007100         S.CERAMIC         C1608 JB 1H 471K-T-A           C79         4510004630         S.ELECTROLYTIC         C1608 JB 1C 473K-T-A           C80         4030009800         S.CERAMIC         C1608 JB 1C 104KT-N           C81         4030009820         S.CERAMIC         C1608 JB 1C 104KT-N           C82         4030006850         S.CERAMIC         C1608 JB 1C 104KT-N           C83         4030006850         S.CERAMIC         C1608 JB 1C 104KT-N           C84         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C85         4510004650         S.ELECTROLYTIC         ECEV1EA4R7SR           C86         403001810         S.CERAMIC         C1608 JB 1C 104KT-N           C87         4030006900         S.CERAMIC         C1608 JB 1E 103K-T-A           C90         4030006900         S.CERAMIC         C1608 JB 1E 103K-T-A           C91         4030006900<				
C75         4030006850         S.CERAMIC         C1608 JB 1H 471K-T-A           C76         4030006850         S.CERAMIC         C1608 JB 1H 471K-T-A           C77         4030007050         S.CERAMIC         C1608 CH 1H 220J-T-A           C78         403000710         S.CERAMIC         C1608 CH 1H 680J-T-A           C79         4510004630         S.CERAMIC         C1608 JB 1C 224Z-T-A           C81         4030001600         S.CERAMIC         C1608 JB 1C 104KT-N           C82         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C84         4030006850         S.CERAMIC         C1608 JB 1C 104KT-N           C85         4510004650         S.CERAMIC         C1608 JB 1A 224K-T-N           C86         4030011810         S.CERAMIC         C1608 JB 1A 224K-T-N           C87         403001810         S.CERAMIC         C1608 JB 1A 224K-T-N           C88         4510004650         S.ELECTROLYTIC         ECEV1EAAR7SR           C89         4030009800         S.CERAMIC         C1608 JB 1E 103K-T-A           C90         4030006900         S.CERAMIC         C1608 JB 1E 103K-T-A           C92         4030006850         S.CERAMIC         C1608 JB 1H 471K-T-A           C93         4030006900 <td></td> <td></td> <td></td> <td></td>				
C76         4030006850         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           C80         4030009660         S.CERAMIC         C1608 JB 1C 242K-T-A           C81         40300011600         S.CERAMIC         C1608 JB 1C 104KT-N           C82         4030001860         S.CERAMIC         C1608 JB 1C 104KT-N           C83         4030006850         S.CERAMIC         C1608 JB 1C 104KT-N           C84         4030011810         S.CERAMIC         C1608 JB 1H 471K-T-A           C85         4510004650         S.ELECTROLYTIC         ECEV1EA4R7SR           C86         4030011810         S.CERAMIC         C1608 JB 1A 224K-T-N           C87         4030006800         S.CERAMIC         C1608 JB 1C 104KT-N           C88         410004650         S.CERAMIC         C1608 JB 1E 103K-T-A           C90         4030006900         S.CERAMIC         C1608 JB 1E 103K-T-A           C91         4030006950         S.CERAMIC         C1608 JB 1H 471K-T-A           C92         4030006850         S.CERAMIC         C1608 JB 1H 471K-T-A           C93         4030006850 <td></td> <td></td> <td></td> <td></td>				
C77         4030007050         S.CERAMIC         C1608 CH 1H 220J-T-A           C78         4030007110         S.CERAMIC         C1608 CH 1H 680J-T-A           C79         4510004630         S.EECTROLYTIC         ECEV1CA100SR           C80         4030009660         S.CERAMIC         C1608 JB 1C 224Z-T-A           C81         4030008920         S.CERAMIC         C1608 JB 1C 104KT-N           C82         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C83         403001860         S.CERAMIC         C1608 JB 1C 104KT-N           C84         4030011810         S.CERAMIC         C1608 JB 1A 224K-T-N           C85         4510004650         S.ELECTROLYTIC         ECEV1EA4R7SR           C86         4030011810         S.CERAMIC         C1608 JB 1A 224K-T-N           C87         4030006900         S.CERAMIC         C1608 JB 1C 104KT-N           C88         4510004650         S.ELECTROLYTIC         ECEV1EA4R7SR           C90         4030006900         S.CERAMIC         C1608 JB 1C 103K-T-A           C91         4030006900         S.CERAMIC         C1608 JB 1E 103K-T-A           C92         4030006800         S.CERAMIC         C1608 JB 1H 471K-T-A           C93         4030006900				
C78         4030007110         S.CERAMIC         C1608 CH 1H 680J-T-A           C79         4510004630         S.LECTROLYTIC         ECEV1CA100SR           C80         4030009660         S.CERAMIC         C1608 JB 1C 224Z-T-A           C81         403001600         S.CERAMIC         C1608 JB 1C 104KT-N           C82         403001600         S.CERAMIC         C1608 JB 1C 104KT-N           C84         403001605         S.CERAMIC         C1608 JB 1A 224K-T-A           C85         4510004650         S.ELECTROLYTIC         ECEV1EA4R7SR           C86         4030011810         S.CERAMIC         C1608 JB 1A 224K-T-N           C87         4030011600         S.CERAMIC         C1608 JB 1A 224K-T-N           C88         4510004650         S.ELECTROLYTIC         ECEV1EA4R7SR           C89         4030009800         S.CERAMIC         C1608 JB 1C 104KT-N           C90         4030008900         S.CERAMIC         C1608 JB 1E 103K-T-A           C91         4030006900         S.CERAMIC         C1608 JB 1E 103K-T-A           C92         4030006850         S.CERAMIC         C1608 JB 1E 103K-T-A           C93         4030006850         S.CERAMIC         C1608 JB 1H 471K-T-A           C101         4030006950				
C79         4510004630         S.ELECTROLYTIC         ECEV1CA100SR           C80         4030009660         S.CERAMIC         C1608 JB 1C 224Z-T-A           C81         4030009890         S.CERAMIC         C1608 JB 1C 104KT-N           C82         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C83         403000880         S.CERAMIC         C1608 JB 1C 104KT-N           C84         40300011810         S.CERAMIC         C1608 JB 1H 471K-T-A           C85         4510004650         S.ELECTROLYTIC         ECEV1EA4R7SR           C86         4030011810         S.CERAMIC         C1608 JB 1A 224K-T-N           C87         403001600         S.CERAMIC         C1608 JB 1C 104KT-N           C88         4510004650         S.ELECTROLYTIC         ECEV1EA4R7SR           C89         4030009800         S.CERAMIC         C1608 JB 1E 103K-T-A           C90         4030006900         S.CERAMIC         C1608 JB 1E 103K-T-A           C91         4030006900         S.CERAMIC         C1608 JB 1H 471K-T-A           C92         4030006800         S.CERAMIC         C1608 JB 1H 471K-T-A           C93         4030006800         S.CERAMIC         C1608 JB 1H 471K-T-A           C94         4030006800				
C80         4030009660   S.CERAMIC         C1608 JF 1C 224Z-T-A           C81         4030008920   S.CERAMIC         C1608 JB 1C 473K-T-A           C82         4030008680   S.CERAMIC         C1608 JB 1C 104KT-N           C83         4030008680   S.CERAMIC         C2012 JF 1C 105Z-T-A           C84         4030001805   S.CERAMIC         C1608 JB 1H 471K-T-A           C85         4510004650   S.CERAMIC         C1608 JB 1A 224K-T-N           C86         4030011800   S.CERAMIC         C1608 JB 1C 104KT-N           C87         4030009800   S.CERAMIC         C1608 JB 1C 104KT-N           C89         4030006900   S.CERAMIC         C1608 JB 1E 103K-T-A           C90         4030006900   S.CERAMIC         C1608 JB 1E 103K-T-A           C92         4030006900   S.CERAMIC         C1608 JB 1E 103K-T-A           C93         4030006850   S.CERAMIC         C1608 JB 1E 103K-T-A           C95         4030006850   S.CERAMIC         C1608 JB 1H 471K-T-A           C101         4030006950   S.CERAMIC         C1608 JB 1H 471K-T-A           C102         4030006950   S.CERAMIC         C1608 CH 1H 220J-T-A           C103         4030006950   S.CERAMIC         C1608 CH 1H 00C-T-A           C104         4030006950   S.CERAMIC         C1608 CH 1H 040C-T-A           C105				- · · · · · · · · · · · · · · ·
C81         4030009920         S.CERAMIC         C1608 JB 1C 473K-T-A           C82         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C84         4030006860         S.CERAMIC         C1608 JB 1C 104KT-N           C84         4030006850         S.CERAMIC         C1608 JB 1H 471K-T-A           C85         4510004650         S.ELECTROLYTIC         ECEV1EA4R7SR           C86         4030011800         S.CERAMIC         C1608 JB 1C 104KT-N           C87         4030006900         S.CERAMIC         C1608 JB 1C 104KT-N           C88         4510004650         S.ELECTROLYTIC         ECEV1EA4R7SR           C89         4030006900         S.CERAMIC         C1608 JB 1C 104KT-N           C91         4030006900         S.CERAMIC         C1608 JB 1E 103K-T-A           C92         4030006900         S.CERAMIC         C1608 JB 1E 103K-T-A           C93         4030006850         S.CERAMIC         C1608 JB 1H 471K-T-A           C94         4030006850         S.CERAMIC         C1608 JB 1H 471K-T-A           C95         4030006850         S.CERAMIC         C1608 CH 1H 220J-T-A           C101         4030006950         S.CERAMIC         C1608 CH 1H 220J-T-A           C102         4030006950				
C82         403001600   S.CERAMIC         C1608 JB 1C 104KT-N           C84         4030008680   S.CERAMIC         C2012 JF 1C 105Z-T-A           C85         4030006850   S.CERAMIC         C1608 JB 1H 471K-T-A           C86         4030011810   S.CERAMIC         C1608 JB 1H 471K-T-A           C87         4030011800   S.CERAMIC         C1608 JB 1C 104KT-N           C88         4510004650   S.ELECTROLYTIC         ECEV1EA4R7SR           C89         4030008900   S.CERAMIC         C1608 JB 1C 103K-T-A           C90         4030008900   S.CERAMIC         C1608 JB 1E 103K-T-A           C91         4030006900   S.CERAMIC         C1608 JB 1E 103K-T-A           C92         4030006900   S.CERAMIC         C1608 JB 1E 103K-T-A           C93         4030006900   S.CERAMIC         C1608 JB 1E 103K-T-A           C95         4030006850   S.CERAMIC         C1608 JB 1H 471K-T-A           C96         4030006950   S.CERAMIC         C1608 CH 1H 220J-T-A           C101         4030006950   S.CERAMIC         C1608 CH 1H 010C-T-A				•
C83         4030008680         S.CERAMIC         C2012 JF 1C 105Z-T-A           C85         4030006850         S.CERAMIC         C1608 JB 1H 471K-T-A           C86         4030011810         S.CERAMIC         C1608 JB 1A 224K-T-N           C87         4030011800         S.CERAMIC         C1608 JB 1C 104KT-N           C88         4510004650         S.ELECTROLYTIC         ECEV1EA4R7SR           C89         4030006900         S.CERAMIC         C1608 JB 1H 682K-T-A           C90         4030006900         S.CERAMIC         C1608 JB 1E 103K-T-A           C91         4030006900         S.CERAMIC         C1608 JB 1E 103K-T-A           C92         4030006900         S.CERAMIC         C1608 JB 1E 103K-T-A           C93         4030006900         S.CERAMIC         C1608 JB 1H 471K-T-A           C95         4030006850         S.CERAMIC         C1608 JB 1H 471K-T-A           C96         4030006850         S.CERAMIC         C1608 JB 1H 471K-T-A           C101         4030006950         S.CERAMIC         C1608 CH 1H 22UJ-T-A           C102         4030006950         S.CERAMIC         C1608 CH 1H 030C-T-A           C103         4030006950         S.CERAMIC         C1608 CH 1H 030C-T-A           C104         403000				C1608 JB 1C 104KT-N
C85         4510004650         S.ELECTROLYTIC         ECEV1EA4R7SR           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         4030008900         S.CERAMIC         C1608 JB 1E 103K-T-A           C91         4030006900         S.CERAMIC         C1608 JB 1E 103K-T-A           C92         4030006900         S.CERAMIC         C1608 JB 1E 103K-T-A           C93         4030006900         S.CERAMIC         C1608 JB 1E 103K-T-A           C93         4030006850         S.CERAMIC         C1608 JB 1H 471K-T-A           C95         4030006850         S.CERAMIC         C1608 JB 1H 471K-T-A           C96         4030006850         S.CERAMIC         C1608 CH 1H 220J-T-A           C101         4030006950         S.CERAMIC         C1608 CH 1H 040C-T-A           C102         4030006950         S.CERAMIC         C1608 CH 1H 040C-T-A           C103         4030006950         S.CERAMIC         C1608 CH 1H 030C-T-A         E or           C104         4030006850         S.CERAMIC         C1608 CH 1H 220J-T-A         A or				C2012 JF 1C 105Z-T-A
C86         4030011810         S.CERAMIC         C1608 JB 1A 224K-T-N           C87         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C89         4510004650         S.ELECTROLYTIC         CCEV1EA4R7SR           C90         4030006900         S.CERAMIC         C1608 JB 1E 103K-T-A           C91         4030006900         S.CERAMIC         C1608 JB 1E 103K-T-A           C92         4030006900         S.CERAMIC         C1608 JB 1E 103K-T-A           C93         4030006850         S.CERAMIC         C1608 JB 1E 103K-T-A           C94         4030006850         S.CERAMIC         C1608 JB 1H 471K-T-A           C95         4030006850         S.CERAMIC         C1608 JB 1H 471K-T-A           C96         4030006850         S.CERAMIC         C1608 CH 1H 220J-T-A           C101         4030006850         S.CERAMIC         C1608 CH 1H 220J-T-A           C102         4030006950         S.CERAMIC         C1608 CH 1H 030C-T-A         E0           C102         4030006940         S.CERAMIC         C1608 CH 1H 030C-T-A         E0           C103         4030006850         S.CERAMIC         C1608 CH 1H 220J-T-A         E0           C204         4030006850         S.CERAMIC         C1608 CH 1H 220J-T-A <td>C84</td> <td>4030006850</td> <td>S.CERAMIC</td> <td>C1608 JB 1H 471K-T-A</td>	C84	4030006850	S.CERAMIC	C1608 JB 1H 471K-T-A
C87         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C89         4510004650         S.ELECTROLYTIC         ECEV1EA4R7SR           C90         403000980         S.CERAMIC         C1608 JB 1H 682K-T-A           C91         4030006900         S.CERAMIC         C1608 JB 1E 103K-T-A           C92         4030006900         S.CERAMIC         C1608 JB 1E 103K-T-A           C93         4030006900         S.CERAMIC         C1608 JB 1E 103K-T-A           C95         4030006850         S.CERAMIC         C1608 JB 1H 103K-T-A           C96         4030006850         S.CERAMIC         C1608 JB 1H 471K-T-A           C96         4030006950         S.CERAMIC         C1608 CH 1H 220J-T-A           C101         4030006950         S.CERAMIC         C1608 CH 1H 040C-T-A           C102         4030006950         S.CERAMIC         C1608 CH 1H 1040C-T-A           C103         4030006950         S.CERAMIC         C1608 CH 1H 1040C-T-A           C104         4030006950         S.CERAMIC         C1608 CH 1H 220J-T-A         E or           C104         4030006950         S.CERAMIC         C1608 CH 1H 220J-T-A         A or           C204         4030006950         S.CERAMIC         C1608 CH 1H 20J-T-A	C85	4510004650	S.ELECTROLYTIC	ECEV1EA4R7SR
C88         4510004650         S.ELECTROLYTIC         ECEV1EA4R7SR           C90         4030006900         S.CERAMIC         C1608 JB 1H 682K-T-A           C91         4030006900         S.CERAMIC         C1608 JB 1E 103K-T-A           C92         4030006900         S.CERAMIC         C1608 JB 1E 103K-T-A           C93         4030006900         S.CERAMIC         C1608 JB 1E 103K-T-A           C95         4030006850         S.CERAMIC         C1608 JB 1H 471K-T-A           C96         4030006850         S.CERAMIC         C1608 JB 1H 471K-T-A           C100         4030006850         S.CERAMIC         C1608 CH 1H 220J-T-A           C101         4030006950         S.CERAMIC         C1608 CH 1H 040C-T-A           C102         4030006950         S.CERAMIC         C1608 CH 1H 030C-T-A E or           C103         4030006950         S.CERAMIC         C1608 CH 1H 030C-T-A E or           C104         4030006940         S.CERAMIC         C1608 CH 1H 220J-T-A E or           C104         4030007050         S.CERAMIC         C1608 CH 1H 220J-T-A E or           C205         4030006850         S.CERAMIC         C1608 CH 1H 220J-T-A E or           C206         4030006860         S.CERAMIC         C1608 CH 1H 080D-T-A E or	C86			
C89         4030009880         S.CERAMIC         C1608 JB 1H 682K-T-A           C90         4030006900         S.CERAMIC         C1608 JB 1E 103K-T-A           C92         4030006900         S.CERAMIC         C1608 JB 1E 103K-T-A           C93         4030006900         S.CERAMIC         C1608 JB 1E 103K-T-A           C95         4030006850         S.CERAMIC         C1608 JB 1H 471K-T-A           C96         4030006850         S.CERAMIC         C1608 JB 1H 471K-T-A           C101         4030006920         S.CERAMIC         C1608 CH 1H 010C-T-A           C102         4030006950         S.CERAMIC         C1608 CH 1H 040C-T-A           C103         4030006950         S.CERAMIC         C1608 CH 1H 040C-T-A           C104         4030006950         S.CERAMIC         C1608 CH 1H 030C-T-A         E or           C103         4030006950         S.CERAMIC         C1608 CH 1H 220J-T-A         E or           C104         4030006860         S.CERAMIC         C1608 CH 1H 220J-T-A         E or           C204         4030006860         S.CERAMIC         C1608 CH 1H 220J-T-A         A or           C205         4030006860         S.CERAMIC         C1608 CH 1H 080D-T-A         Or           C206         4030006860	C87			
C90         4030006900         S.CERAMIC         C1608 JB 1E 103K-T-A           C91         4030006900         S.CERAMIC         C1608 JB 1C 473K-T-A           C92         4030006900         S.CERAMIC         C1608 JB 1E 103K-T-A           C93         4030006900         S.CERAMIC         C1608 JB 1E 103K-T-A           C95         4030006850         S.CERAMIC         C1608 JB 1H 471K-T-A           C96         4030006950         S.CERAMIC         C1608 CH 1H 220J-T-A           C101         4030006920         S.CERAMIC         C1608 CH 1H 010C-T-A           C102         4030006950         S.CERAMIC         C1608 CH 1H 030C-T-A         D or           C103         4030006950         S.CERAMIC         C1608 CH 1H 030C-T-A         D or           C104         4030007050         S.CERAMIC         C1608 CH 1H 220J-T-A         E or           C104         4030007050         S.CERAMIC         C1608 CH 1H 220J-T-A         D or           C201         4030007050         S.CERAMIC         C1608 CH 1H 220J-T-A         D or           C202         4030007050         S.CERAMIC         C1608 CH 1H 220J-T-A         D or           C203         4030006860         S.CERAMIC         C1608 CH 1H 080D-T-A         D or <t< td=""><td></td><td></td><td></td><td></td></t<>				
C91         4030008920         S.CERAMIC         C1608 JB 1C 473K-T-A           C92         4030006900         S.CERAMIC         C1608 JB 1E 103K-T-A           C93         4030006900         S.CERAMIC         C1608 JB 1E 103K-T-A           C95         4030006850         S.CERAMIC         C1608 JB 1H 471K-T-A           C96         4030006950         S.CERAMIC         C1608 CH 1H 220J-T-A           C101         4030006920         S.CERAMIC         C1608 CH 1H 010C-T-A         D or           C102         4030006950         S.CERAMIC         C1608 CH 1H 010C-T-A         D or           C103         4030006940         S.CERAMIC         C1608 CH 1H 030C-T-A         E or           C104         4030006940         S.CERAMIC         C1608 CH 1H 220J-T-A         E or           C104         4030006940         S.CERAMIC         C1608 CH 1H 220J-T-A         E or           C201         4030006950         S.CERAMIC         C1608 CH 1H 220J-T-A         E or           C202         4030007050         S.CERAMIC         C1608 CH 1H 220J-T-A         D or           C203         4030006990         S.CERAMIC         C1608 CH 1H 080D-T-A         D or           C204         4030006990         S.CERAMIC         C1608 CH 1H 080D-T-A				
C92         4030006900         S.CERAMIC         C1608 JB 1E 103K-T-A           C93         4030006900         S.CERAMIC         C1608 JB 1E 103K-T-A           C95         4030006850         S.CERAMIC         C1608 JB 1H 471K-T-A           C96         4030006850         S.CERAMIC         C1608 JB 1H 471K-T-A           C100         4030007050         S.CERAMIC         C1608 CH 1H 220J-T-A           C101         4030006950         S.CERAMIC         C1608 CH 1H 040C-T-A           C102         4030006950         S.CERAMIC         C1608 CH 1H 040C-T-A           C103         4030006940         S.CERAMIC         C1608 CH 1H 030C-T-A         E or           C104         4030006950         S.CERAMIC         C1608 CH 1H 220J-T-A         E or           C104         4030006860         S.CERAMIC         C1608 CH 1H 220J-T-A         E or           C202         4030006860         S.CERAMIC         C1608 CH 1H 220J-T-A         A or           C203         4030006860         S.CERAMIC         C1608 CH 1H 220J-T-A         A or           C204         4030006860         S.CERAMIC         C1608 CH 1H 220J-T-A         Or           C205         4030006860         S.CERAMIC         C1608 CH 1H 02K-T-A         Or           C				
C93         4030006900         S.CERAMIC         C1608 JB 1E 103K-T-A           C95         4030006850         S.CERAMIC         C1608 JB 1H 471K-T-A           C96         4030006850         S.CERAMIC         C1608 JB 1H 471K-T-A           C100         4030006920         S.CERAMIC         C1608 CH 1H 220J-T-A           C101         4030006950         S.CERAMIC         C1608 CH 1H 040C-T-A           C102         4030006950         S.CERAMIC         C1608 CH 1H 040C-T-A           C103         4030006940         S.CERAMIC         C1608 CH 1H 030C-T-A         E or           C104         4030006950         S.CERAMIC         C1608 CH 1H 220J-T-A         E or           C103         4030006940         S.CERAMIC         C1608 CH 1H 220J-T-A         E or           C201         4030006950         S.CERAMIC         C1608 CH 1H 220J-T-A         E or           C202         4030007050         S.CERAMIC         C1608 CH 1H 220J-T-A         A or           C203         4030006990         S.CERAMIC         C1608 CH 1H 220J-T-A         A or           C204         4030006860         S.CERAMIC         C1608 CH 1H 020L-T-A         A or           C205         4030006990         S.CERAMIC         C1608 CH 1H 090D-T-A         Or </td <td></td> <td></td> <td></td> <td></td>				
C95         4030006850         S.CERAMIC         C1608 JB 1H 471K-T-A           C96         4030006850         S.CERAMIC         C1608 JB 1H 471K-T-A           C100         4030007050         S.CERAMIC         C1608 CH 1H 220J-T-A           C101         4030006950         S.CERAMIC         C1608 CH 1H 010C-T-A           C102         4030006950         S.CERAMIC         C1608 CH 1H 040C-T-A           4030006940         S.CERAMIC         C1608 CH 1H 030C-T-A         E or           C103         403007050         S.CERAMIC         C1608 CH 1H 220J-T-A         E or           C201         4030007050         S.CERAMIC         C1608 CH 1H 220J-T-A         E or           C202         4030007050         S.CERAMIC         C1608 CH 1H 220J-T-A         E or           C203         4030007050         S.CERAMIC         C1608 CH 1H 220J-T-A         A or           C204         4030006990         S.CERAMIC         C1608 CH 1H 220J-T-A         A or           C205         4030006860         S.CERAMIC         C1608 CH 1H 080D-T-A         A or           C206         4030006860         S.CERAMIC         C1608 CH 1H 09D-T-A         A or           C207         4030006990         S.CERAMIC         C1608 CH 1H 09D-T-A         Or <td></td> <td></td> <td></td> <td></td>				
C96         4030006850         S.CERAMIC         C1608 JB 1H 471K-T-A           C100         4030007050         S.CERAMIC         C1608 CH 1H 220J-T-A           C101         4030006920         S.CERAMIC         C1608 CH 1H 040C-T-A           C102         4030006950         S.CERAMIC         C1608 CH 1H 040C-T-A           C103         4030006940         S.CERAMIC         C1608 CH 1H 030C-T-A         E or           C104         4030007050         S.CERAMIC         C1608 CH 1H 220J-T-A         E or           C201         4030007050         S.CERAMIC         C1608 CH 1H 220J-T-A         A or           C202         4030007050         S.CERAMIC         C1608 CH 1H 220J-T-A         A or           C203         4030007050         S.CERAMIC         C1608 CH 1H 220J-T-A         A or           C204         4030007050         S.CERAMIC         C1608 CH 1H 220J-T-A         A or           C204         4030006860         S.CERAMIC         C1608 CH 1H 220J-T-A         A or           C205         4030006860         S.CERAMIC         C1608 CH 1H 080D-T-A         A or           C206         4030006860         S.CERAMIC         C1608 CH 1H 090D-T-A         A or           C207         4030006990         S.CERAMIC         C1608				
C100		4030006850	S.CERAMIC	
C101		4030000000	S.CERAMIC	
4030009540   S.CERAMIC   C1608 CH 1H 1R5B-T-A   C104   4030007050   S.CERAMIC   C1608 CH 1H 220J-T-A   E or C201   4030007050   S.CERAMIC   C1608 CH 1H 220J-T-A   E or C202   4030007050   S.CERAMIC   C1608 CH 1H 220J-T-A   E or C203   4030007050   S.CERAMIC   C1608 CH 1H 220J-T-A   E or C204   4030006990   S.CERAMIC   C1608 CH 1H 220J-T-A   E or C205   4030006990   S.CERAMIC   C1608 CH 1H 080D-T-A   E or C206   4030006990   S.CERAMIC   C1608 CH 1H 080D-T-A   E or C207   4030006990   S.CERAMIC   C1608 CH 1H 080D-T-A   E or C207   4030006990   S.CERAMIC   C1608 CH 1H 080D-T-A   E or C207   4030006990   S.CERAMIC   C1608 CH 1H 090D-T-A   E or C209   403000699		4030007030	S CERAMIC	
4030009540   S.CERAMIC   C1608 CH 1H 1R5B-T-A   C104   4030007050   S.CERAMIC   C1608 CH 1H 220J-T-A   E or C201   4030007050   S.CERAMIC   C1608 CH 1H 220J-T-A   E or C202   4030007050   S.CERAMIC   C1608 CH 1H 220J-T-A   E or C203   4030007050   S.CERAMIC   C1608 CH 1H 220J-T-A   E or C204   4030006990   S.CERAMIC   C1608 CH 1H 220J-T-A   E or C205   4030006990   S.CERAMIC   C1608 CH 1H 080D-T-A   E or C206   4030006990   S.CERAMIC   C1608 CH 1H 080D-T-A   E or C207   4030006990   S.CERAMIC   C1608 CH 1H 080D-T-A   E or C207   4030006990   S.CERAMIC   C1608 CH 1H 080D-T-A   E or C207   4030006990   S.CERAMIC   C1608 CH 1H 090D-T-A   E or C209   403000699		4030000920	SCERAMIC	
C103	0.02	4030009540	S.CERAMIC	
C104	C103			C1608 CH 1H 030C-T-A E only
C201				C1608 CH 1H 220J-T-A E only
C203				C1608 JB 1H 471K-T-A A only
C204		4030007050	S.CERAMIC	C1608 CH 1H 220J-T-A ▲ only
C205				C1608 CH 1H 220J-T-A 🖪 only
C206         4030006860         S.CERAMIC         C1608 JB 1H 102K-T-A 🖾 or           C207         4030006990         S.CERAMIC         C1608 CH 1H 080D-T-A 🖾 or           C208         4030006970         S.CERAMIC         C1608 CH 1H 090D-T-A 🖾 or           C209         4030006970         S.CERAMIC         C1608 CH 1H 060D-T-A 🖾 or           C210         4030006980         S.CERAMIC         C1608 CH 1H 070D-T-A 🖾 or           C211         4030006860         S.CERAMIC         C1608 JB 1H 102K-T-A 🖾 or           J1         6910007660         CONNECTOR         IMSA-9210B-1-02T           J2         6510018170         S.CONNECTOR         IMSA-9210B-1-02T           W2         7030003860         S.JUMPER         ERJ3GE JPW V         E or           W5         7030003860         S.JUMPER         ERJ3GE JPW V         🖾 or           W6         7030003860         S.JUMPER         ERJ3GE JPW V         🖾 or           W7         7030003860         S.JUMPER         ERJ3GE JPW V         🖾 or           W201         7030003860         S.JUMPER         ERJ3GE JPW V         🖾 or           W201         7030003860         S.JUMPER         ERJ3GE JPW V         ☒ or           W202         7030003860				C1608 CH 1H 080D-T-A A only
C207			i	C1608 JB 1H 102K-T-A A only
C208				
C209				
C210				
C211 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A 🕒 or  J1 6910007660 CONNECTOR IMSA-9210B-1-02T 4-175643-4  W2 7030003860 S.JUMPER ERJ3GE JPW V W5 7030003860 S.JUMPER ERJ3GE JPW V W6 7030003860 S.JUMPER ERJ3GE JPW V W6 7030003860 S.JUMPER ERJ3GE JPW V W7 7030003860 S.JUMPER ERJ3GE JPW V W8 7030003860 S.JUMPER ERJ3GE JPW V W8 7030003860 S.JUMPER ERJ3GE JPW V W901 7030003860 S.JUMPER ERJ3GE JPW V W902 7030003860 S.JUMPER ERJ3GE JPW V W902 7030003860 S.JUMPER ERJ3GE JPW V W903 FRJ3GE JPW V W903 FRJ3GE JPW V W904 FRJ3GE JPW V W905 FRJ3GE JPW V W906 FRJ3GE JPW V W907 FRJ3GE JPW V W908 FRJ3GE JPW V W908 FRJ3GE JPW V W909 FR				
J1 6910007660 CONNECTOR IMSA-9210B-1-02T d-175643-4  W2 7030003860 S.JUMPER ERJ3GE JPW V E or volume of the control of the con				
J2         6510018170         S.CONNECTOR         4-175643-4           W2         7030003860         S.JUMPER         ERJ3GE JPW V           W4         7030003860         S.JUMPER         ERJ3GE JPW V           W5         7030003860         S.JUMPER         ERJ3GE JPW V           W6         7030003860         S.JUMPER         ERJ3GE JPW V           W7         7030003860         S.JUMPER         ERJ3GE JPW V           W8         7030003860         S.JUMPER         ERJ3GE JPW V           W201         7030003860         S.JUMPER         ERJ3GE JPW V           W202         7030003860         S.JUMPER         ERJ3GE JPW V           W203         7030003860         S.JUMPER         ERJ3GE JPW V	U211	4030006860	S.CENAMIC	C 1000 UD ITI 102K-1-A PA OTIIY
W2				
W4         7030003860         S.JUMPER         ERJ3GE JPW V           W5         7030003860         S.JUMPER         ERJ3GE JPW V           W6         7030003860         S.JUMPER         ERJ3GE JPW V           W7         7030003860         S.JUMPER         ERJ3GE JPW V           W8         7030003860         S.JUMPER         ERJ3GE JPW V           W201         7030003860         S.JUMPER         ERJ3GE JPW V           W202         7030003860         S.JUMPER         ERJ3GE JPW V           W202         7030003860         S.JUMPER         ERJ3GE JPW V           EP1         0910049483         PCB         B 5057C	J2	6510018170	S.CONNECTOR	4-175 <del>6</del> 43-4
W5	W2			_ ,
W6         7030003860         S.JUMPER         ERJ3GE JPW V         A or           W7         7030003860         S.JUMPER         ERJ3GE JPW V         E or           W8         7030003860         S.JUMPER         ERJ3GE JPW V         E or           W201         7030003860         S.JUMPER         ERJ3GE JPW V         Aor           W202         7030003860         S.JUMPER         ERJ3GE JPW V         Aor           EP1         0910049483         PCB         B 5057C				
W7         7030003860         S.JUMPER         ERJ3GE JPW V         E or           W8         7030003860         S.JUMPER         ERJ3GE JPW V         E or           W201         7030003860         S.JUMPER         ERJ3GE JPW V         Alon           W202         7030003860         S.JUMPER         ERJ3GE JPW V         Alon           EP1         0910049483         PCB         B 5057C				
W8         7030003860         S.JUMPER         ERJ3GE JPW V         E or           W201         7030003860         S.JUMPER         ERJ3GE JPW V         Alon           W202         7030003860         S.JUMPER         ERJ3GE JPW V         Alon           EP1         0910049483         PCB         B 5057C				
W201     7030003860     S.JUMPER     ERJ3GE JPW V     Aon       W202     7030003860     S.JUMPER     ERJ3GE JPW V     Aon       EP1     0910049483     PCB     B 5057C			1	
W202 7030003860 S.JUMPER ERJ3GE JPW V Alon EP1 0910049483 PCB B 5057C				
EP1   0910049961   PCB				
	EP1	0910049961	PUB	B 5110A 🔼

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

S.=Surface mount

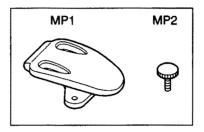
#### **MECHANICAL PARTS AND DISASSEMBLY SECTION 7**

# 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]

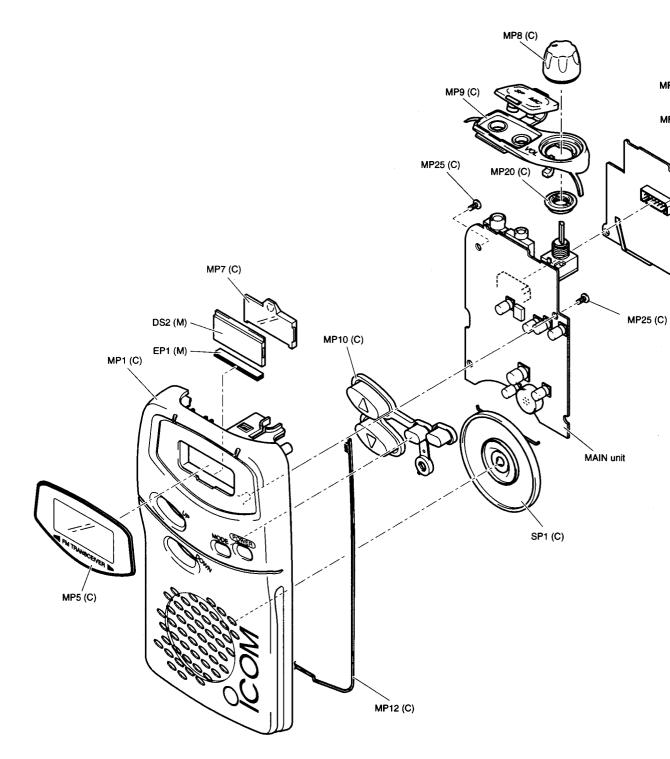
REF. NO.	ORDER NO.	DESCRIPTION	QTY.
DS2	5030001580	LCD LD-BU10185J	1
EP1	8930045510	LCD contact SRCN-2045-SP-N-W	1

# [RF UNIT]

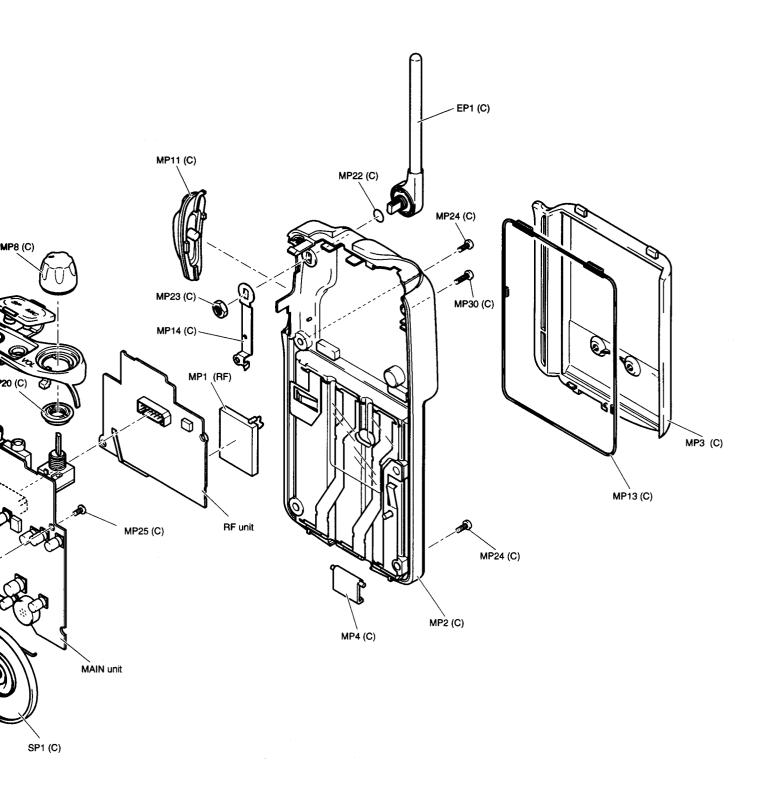
REF. NO.	ORDER NO.	DESCRIPTION	QTY.
MP1	8510011570	Case 2045 VCO Case	1

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

	·	<del>,</del>		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)	<b>2SC4226 R25</b> (Symbol: R25)	2SC4228 R44 (Symbol: R44)	<b>2SC5015</b> (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)	<b>2SC5193</b> (Symbol: T88)	<b>2SC5194</b> (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
<b>UN5119</b> (Symbol: 6K)	<b>UN9215</b> (Symbol: 8E)			
B C				

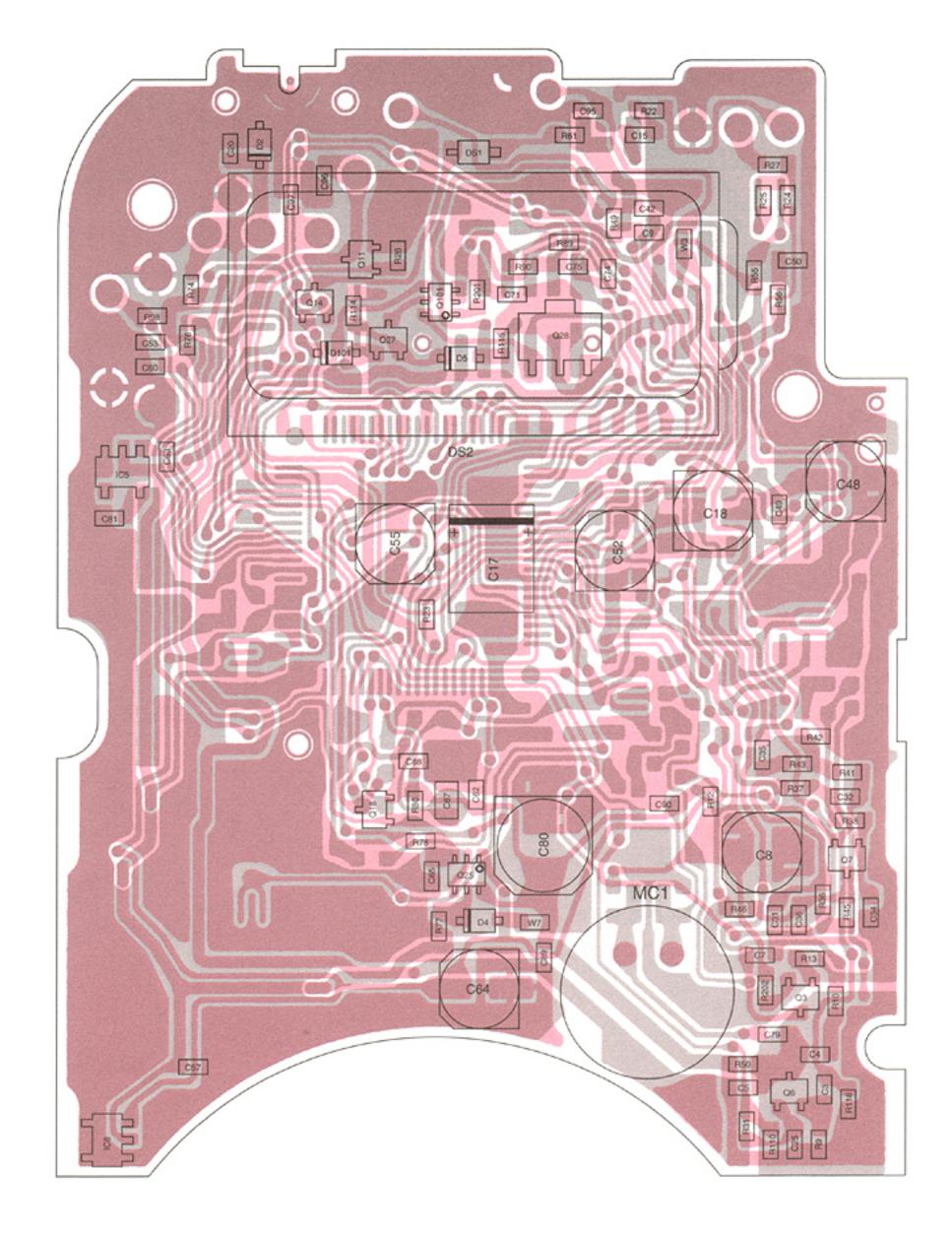
# • DIODES

1SS355 (Symbol: A)	1SV284 (Symbol: TL )	DA114 (Symbol: AV)	MA77 (Symbol: 4B)	MA2S077 (Symbol: S)
<b>—</b>	4		A CONTRACTOR K	
MA2S728 (Symbol: B)				
<b>—</b>				

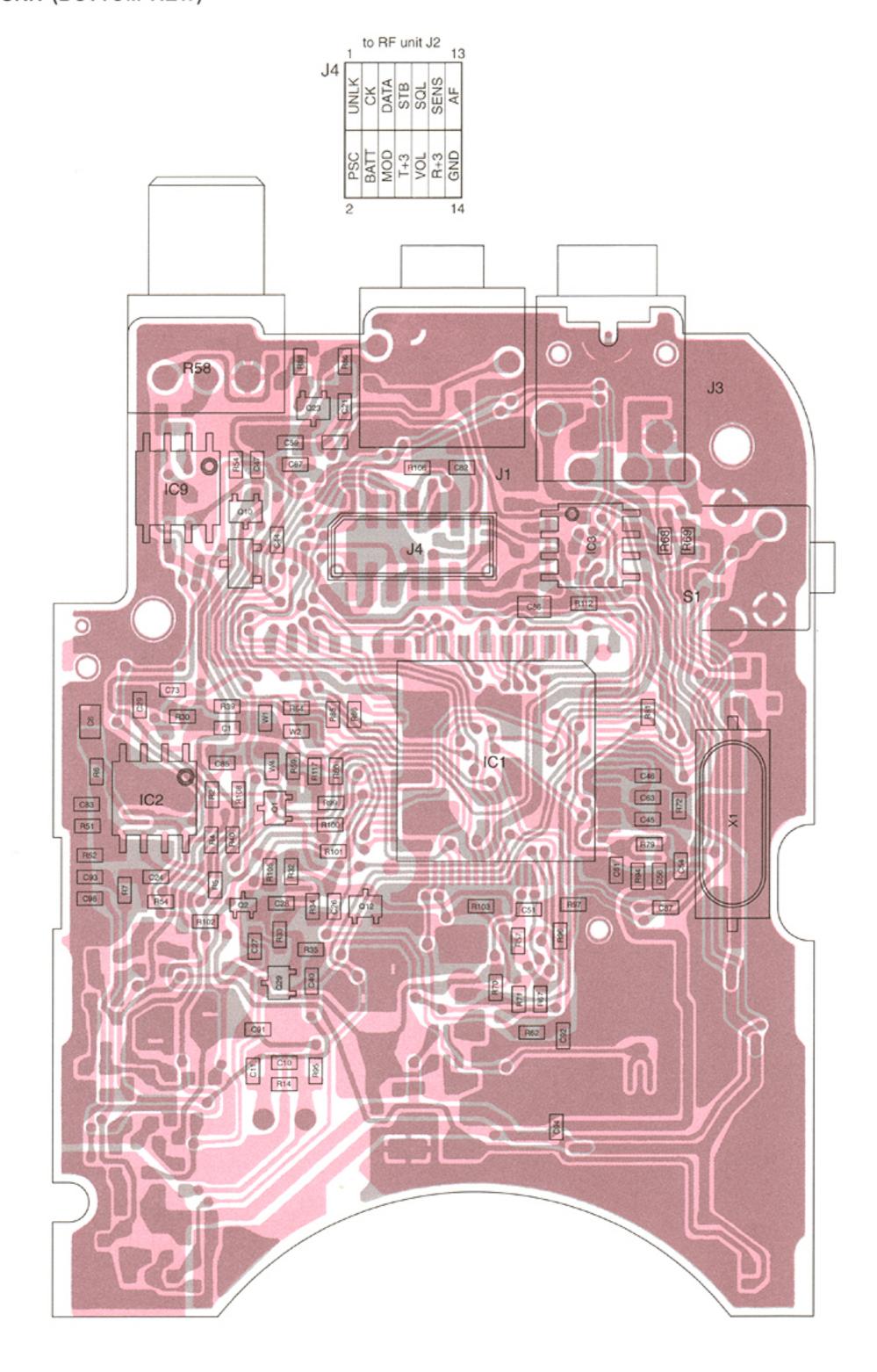
# SECTION 9 BOARD LAYOUTS

# 9-1 IC-4008A

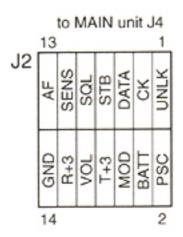
MAIN UNIT (TOP VIEW)

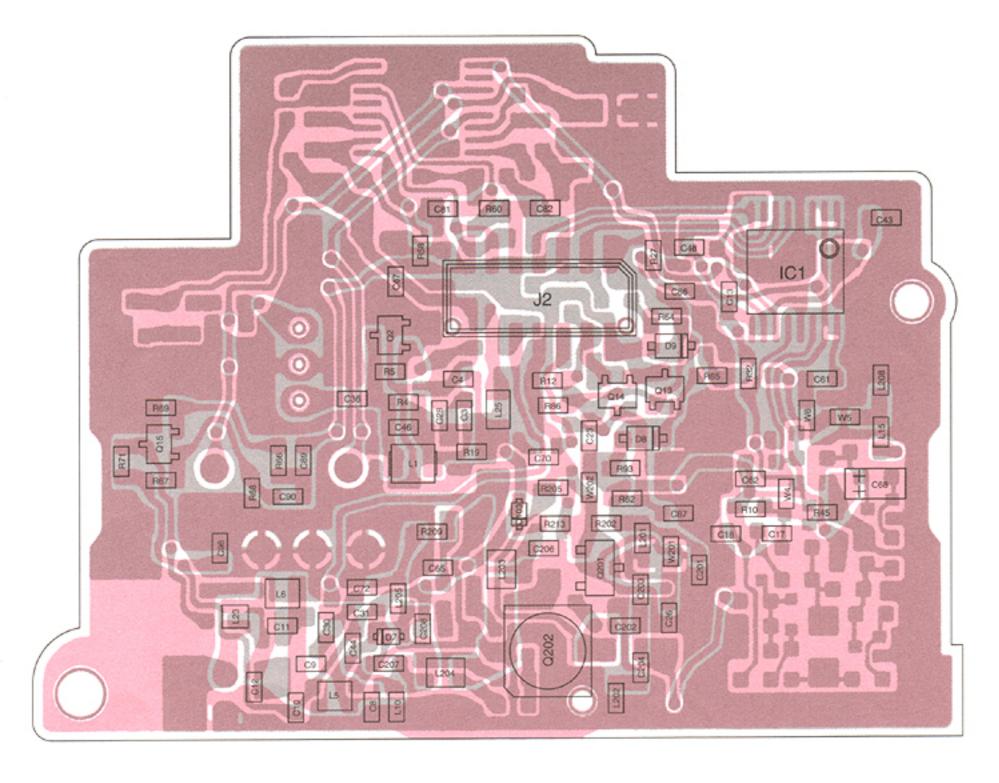


# MAIN UNIT (BOTTOM VIEW)

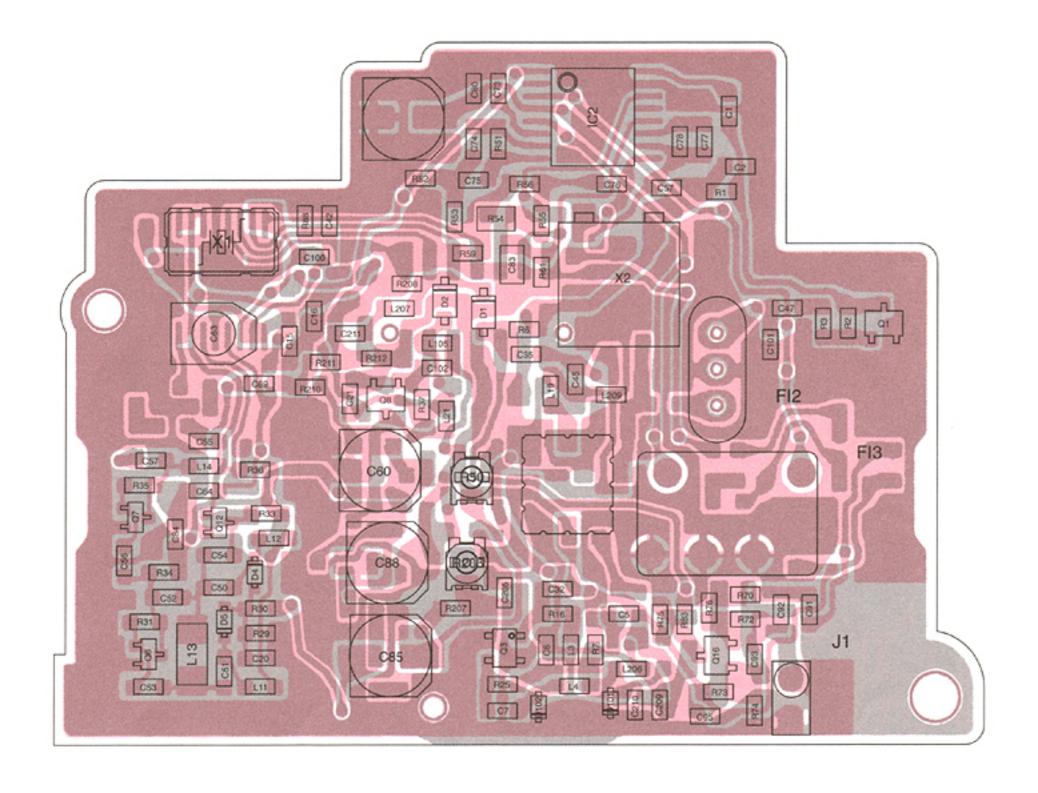


# • RF UNIT (TOP VIEW)



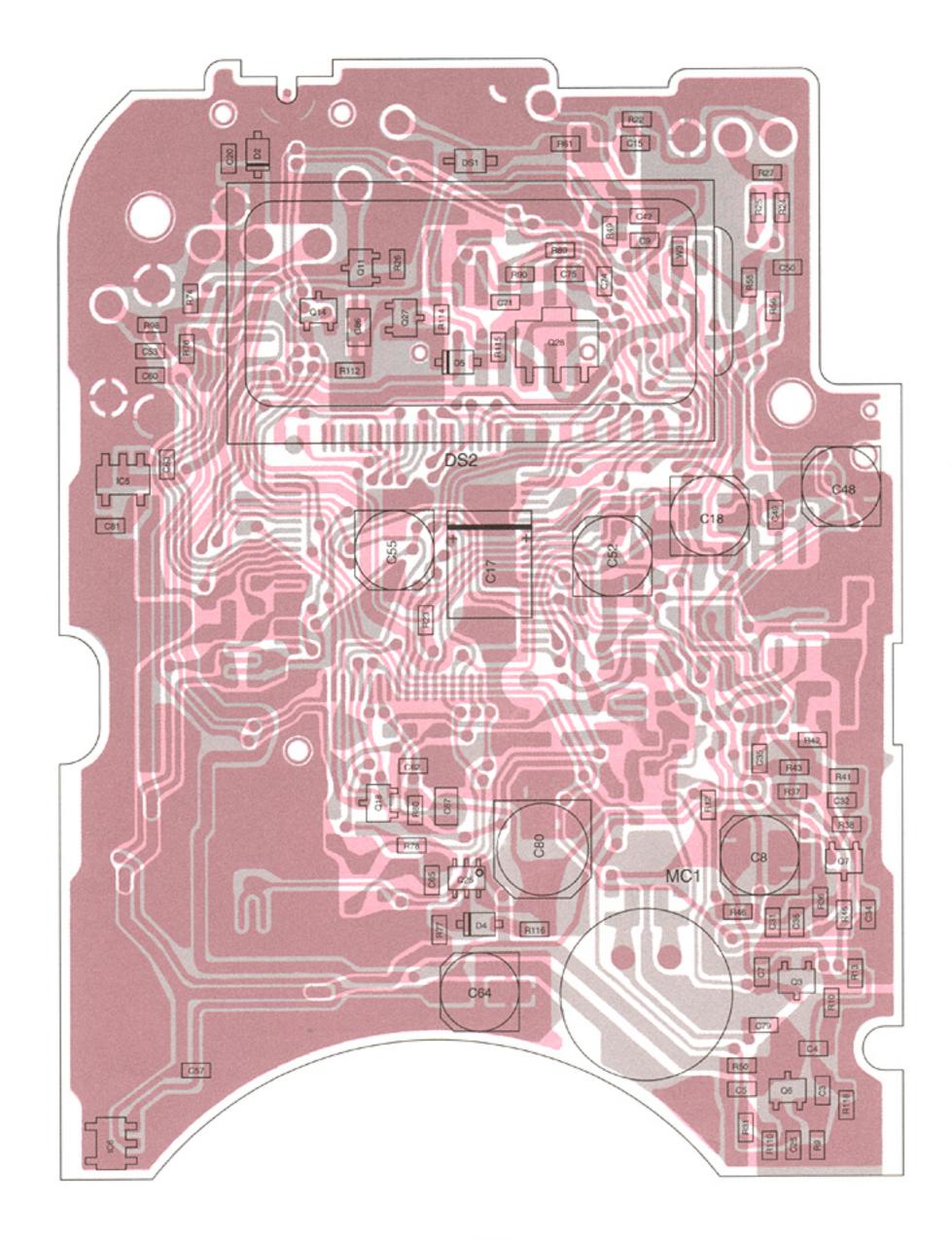


# • RF UNIT (BOTTOM VIEW)

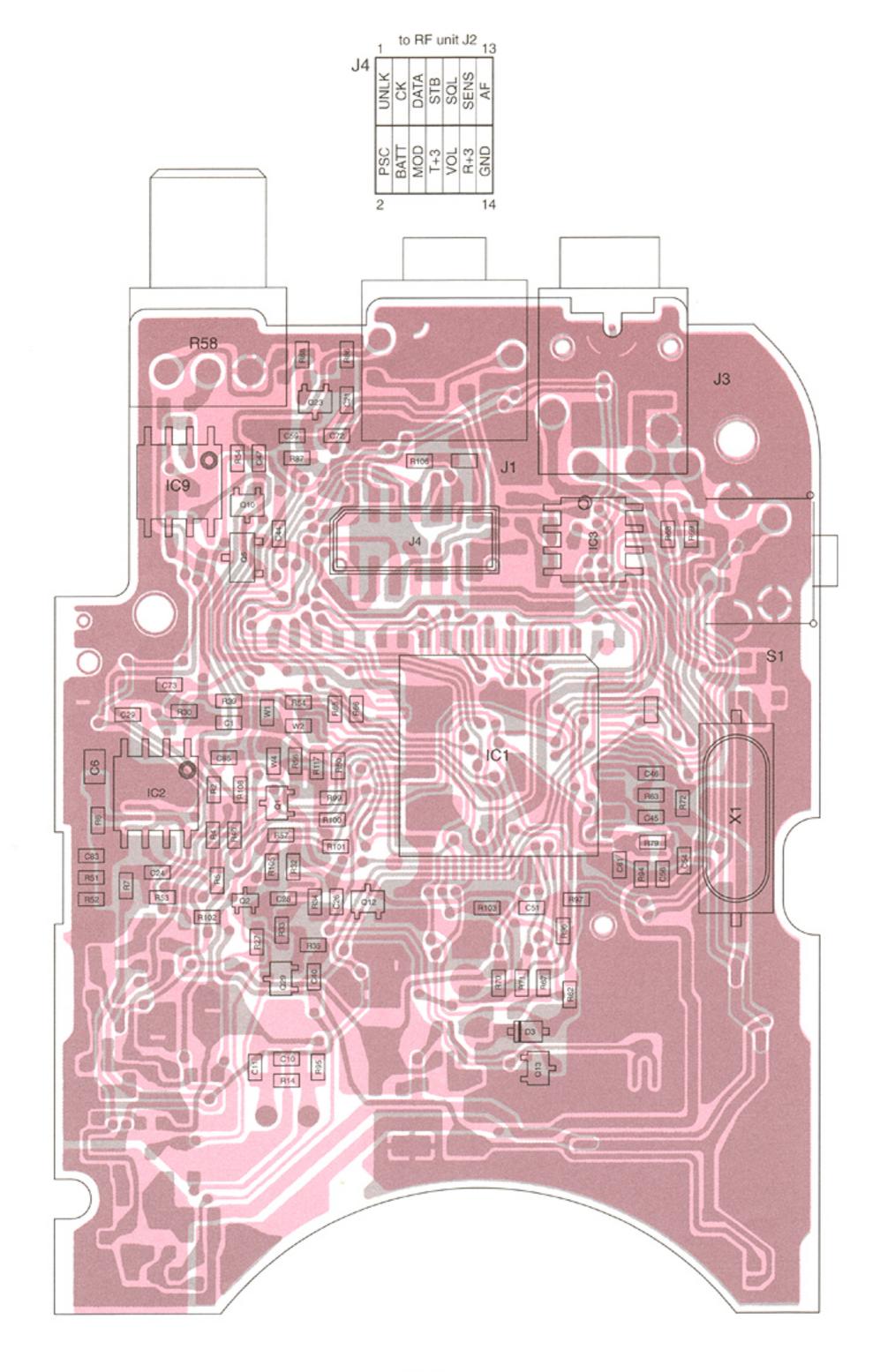


# 9-2 IC-4008E

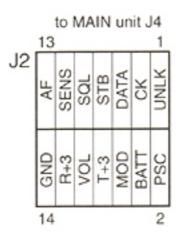
MAIN UNIT (TOP VIEW)

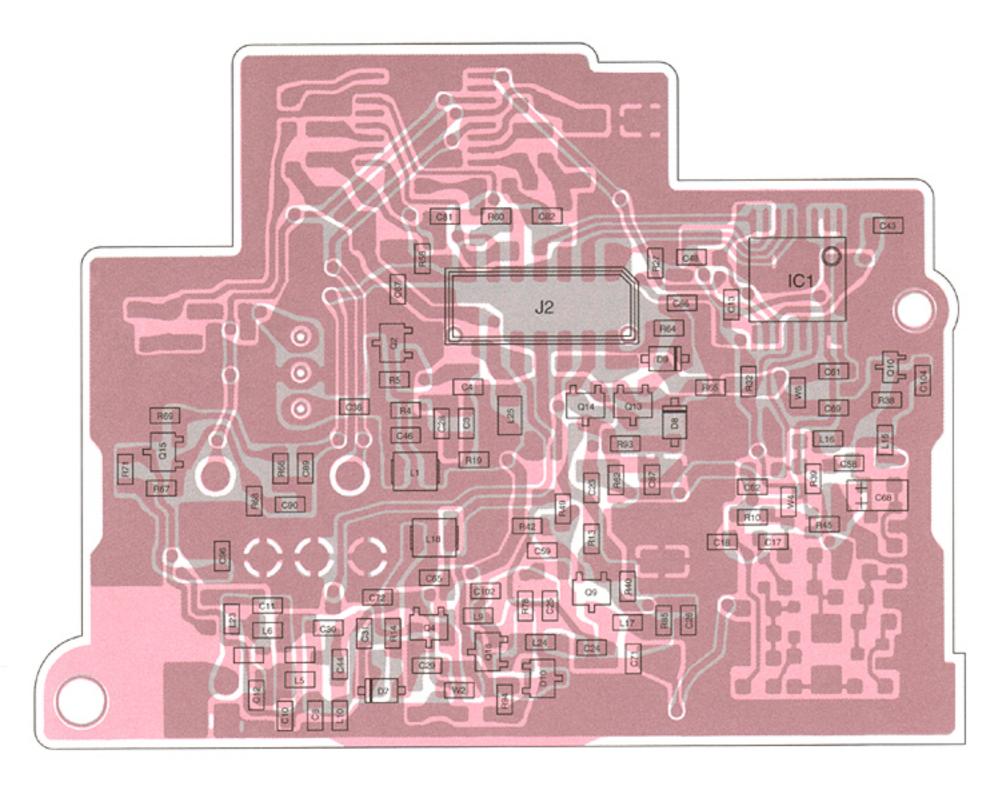


# MAIN UNIT (BOTTOM VIEW)

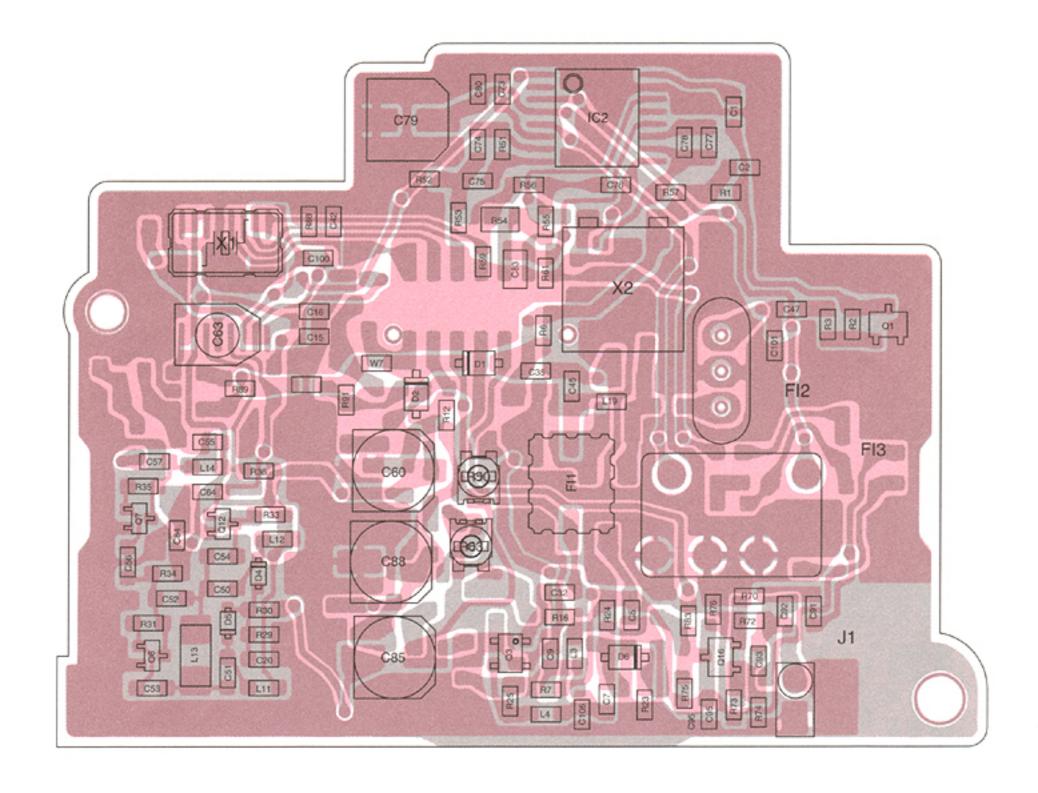


# • RF UNIT (TOP VIEW)

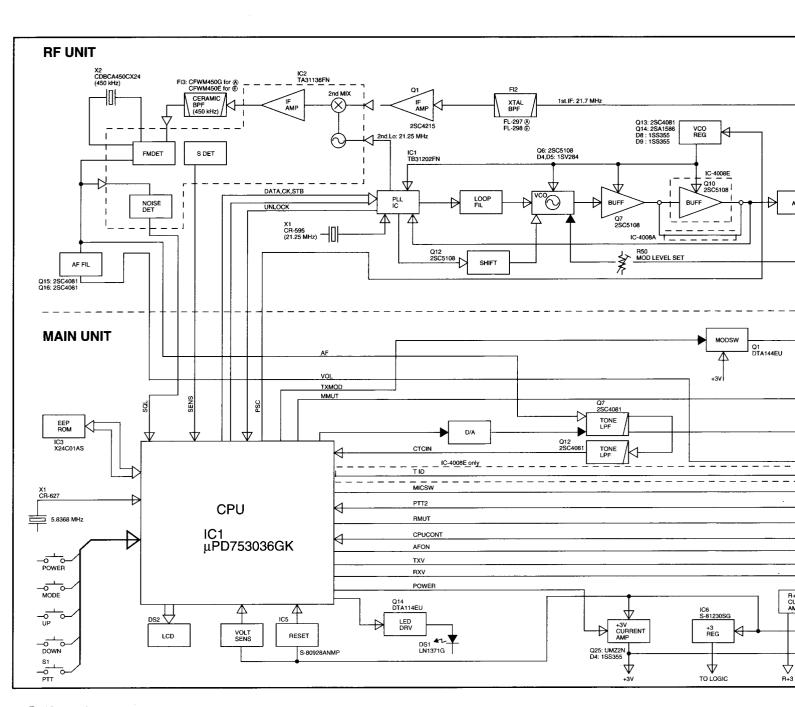




# • RF UNIT (BOTTOM VIEW)

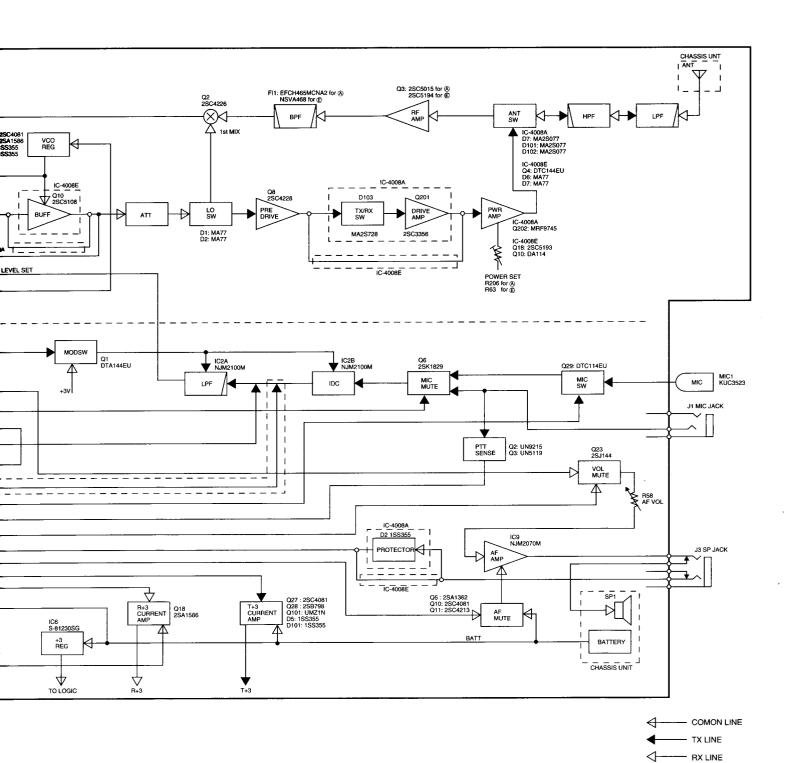


# SECTION 10 BLOCK DIAGRAM



**(A)**: IC-4008A

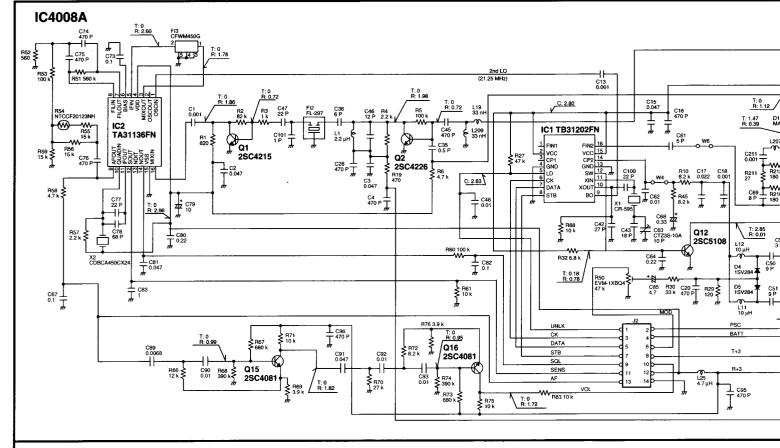
E: IC-4008A



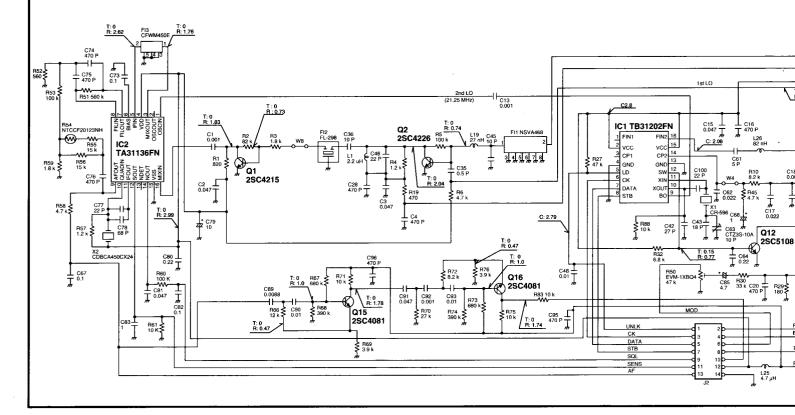
DATA BUS LINE

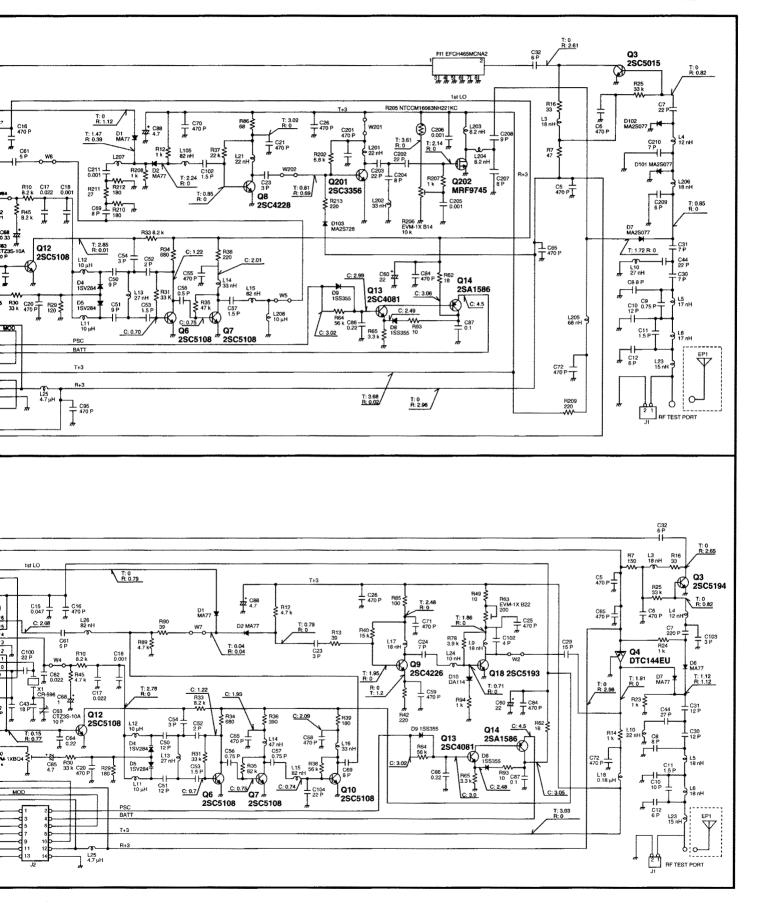
# **SECTION 11 VOLTAGE DIAGRAM**

#### • RF UNIT

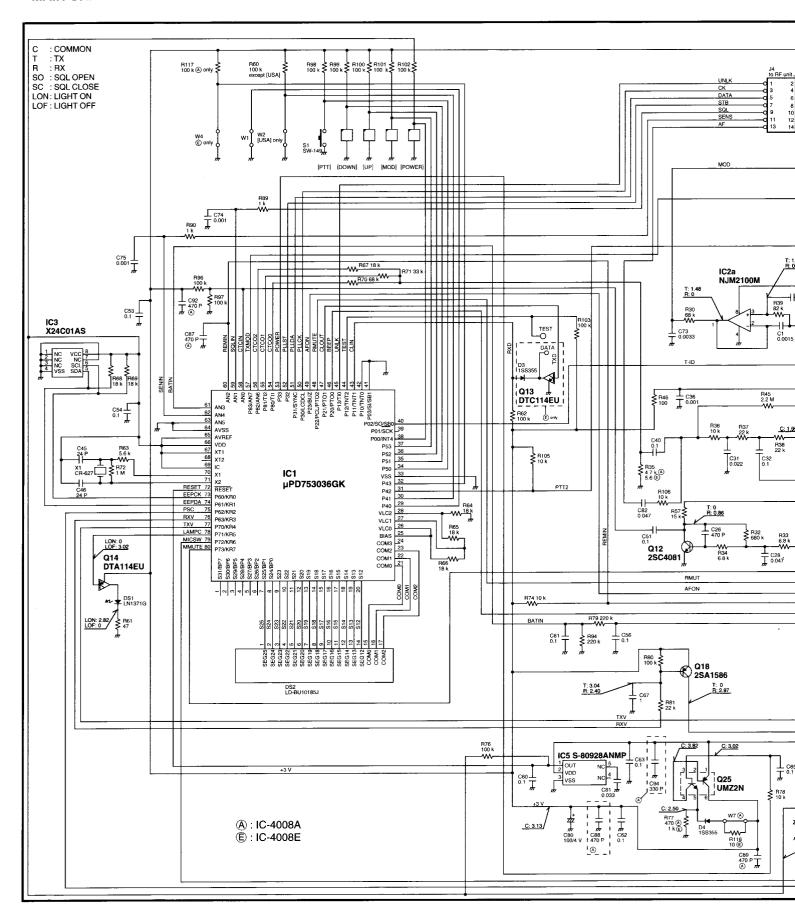


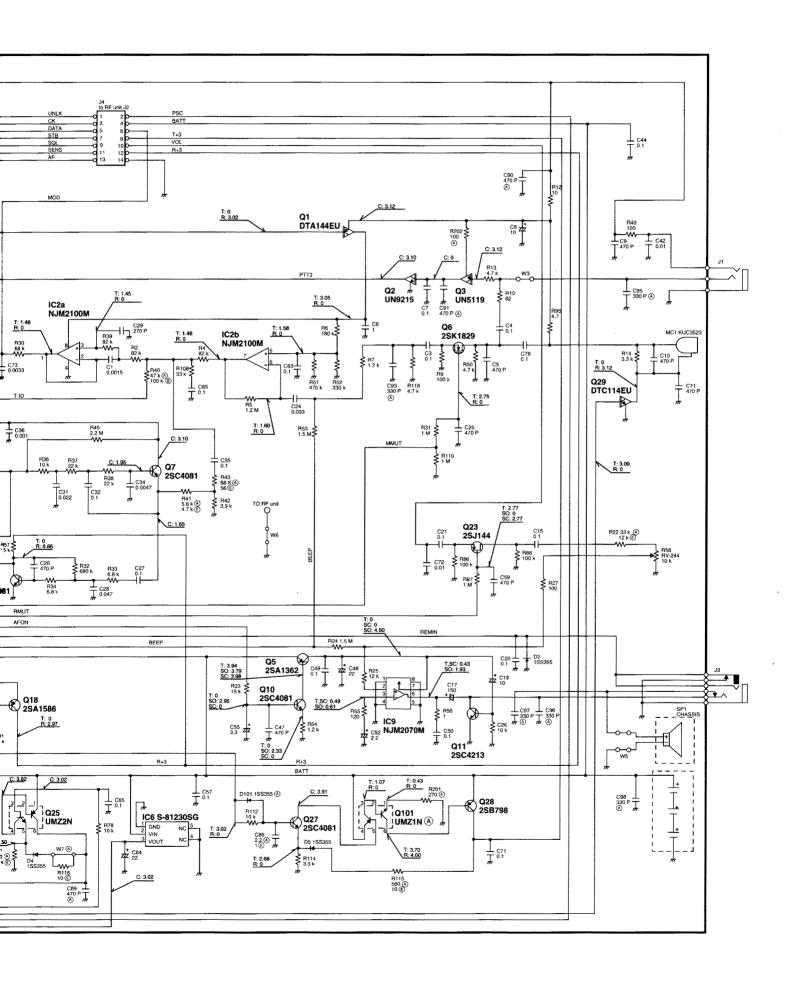
### IC4008E





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