# OICOM

# SERVICE MANUAL

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Icom Inc.

#### INTRODUCTION

This service manual describes the latest information for the IC-F35 VHF TRUNKED RADIO IC-F45 UHF TRUNKED RADIO at the time of publication.

#### DANGER

**NEVER** connect the transceiver to an AC outlet or to a DC power supply that uses more than 9 V. This will ruin the transceiver.

**DO NOT** expose the transceiver to rain, snow or any liquids. **DO NOT** reverse the polarities of the power supply when connecting the transceiver.

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

#### INTRINSICALLY SAFE QUALIFICATION

When servicing intrinsically safe versions of the IC-F35 / IC-F45, the following conditions must be met.

Failing to satisfy any of these conditions will invalidate the INTRINSICALLY SAFE certification.

- Servicing the transceiver should only be undertaken by suitably qualified personnel in a non-hazardous area. Never attempt to remove the case in a hazardous area.
- 2. **ONLY** the approved battery, ICOM's CM-140 may be used.
- USE ONLY safety critical components as specified in the parts list (SECTIONS 7), should replacement of any item be necessary.

#### **ORDERING PARTS**

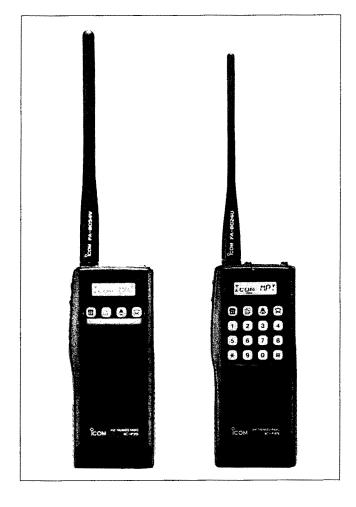
Be sure to include the following four points when ordering replacement parts:

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

#### <SAMPLE ORDER>

1110003490 S.IC TA31136FN (D) IC-F35 MAIN UNIT 5 pieces 8810008210 Screw PH M3 x 7 ZK IC-F35 Top panel 10 pieces

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



#### REPAIR NOTES

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

# **EXPLICIT DEFINITIONS**

Model		Frequency coverrage
IO FOE	L-band	136–155 MHz
IC-F35	H-band	146–174 MHz
IC-F45	L-band	400–430 MHz
10-F45	H-band	440470 MHz

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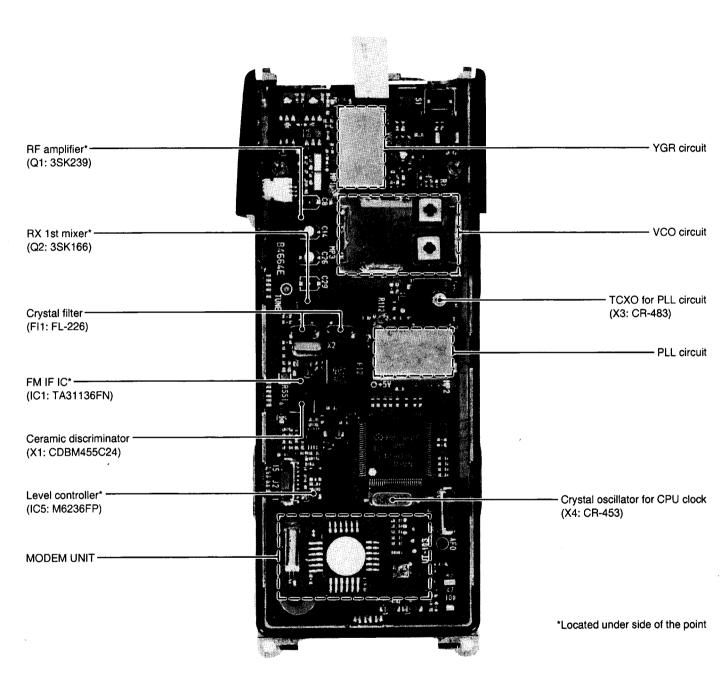
# SECTION 1 SPECIFICATIONS

		IC-F35	IC-F45					
	Frequency coverage	136-155 MHz (L-band) 146-174 MHz (H-band)	400-430 MHz (L-band) 440-470 MHz (H-band)					
	Mode	8K50F3E/F2D (12.5 kHz type), 16K0F3E/F2D (25 kHz type)						
	Number of channels	Up to 1024 (Trunking channel), 5 (Convent	ional channel)					
ادا	Power supply requirement	7.5 V DC ±15 % (negative ground)						
GENERAL	Current drain	Receive standby: 65 mA max. audio: 450 mA Transmit at 5 W: 2.5 A						
9	Frequency stability	±1500 Hz						
	Usable temperature range	-25 °C to +55 °C						
	Antenna impedance	50 Ω (nominal)						
	Dimensions	58(W) × 140(H) × 40(D) mm						
	Weight (with CM-140) 510 g 500 g							
	Measurement method	ETS-300-086						
	Receive system	Double conversion superheterodyne						
	Intermediate frequencies	1st: 45.15 MHz 2nd: 455 kHz						
	Sensitivity (20 dB SINAD) 0.8 dB μV (1.1 μV) emf							
<u>a</u>	Squelch threshold sensitivity	-6 dBμV (0.5 μV) emf (During convention	al use)					
ECEIVER	Adjacent channel selectivity	60 dB (12.5 kHz type) 70 dB (25 kHz type)						
입	Spurious response rejection	70 dB						
Œ	Intermodulation rejection	65 dB						
	Ham and noise	40 dB						
	Audio frequency response	+1 dB to −3 dB in a 6 dB/octave range with	300 Hz to 2550 Hz input (12.5 kHz type) 300 Hz to 3000 Hz input (25 kHz type)					
	Audio output power	500 mW at 10 % distortion with an 8 $\Omega$ loa	d.					
	Measurement method	ETS-300-086						
	RF output power	5 W and dealer programmable low power						
	Modulation system	Variable reactance frequency modulation						
ren	Max. frequency deviation	± 2.5 kHz (12.5 kHz type), ± 5.0 kHz (25 kHz type)						
	Spurious emissions	0.25 μW						
TRANSMITTER	Adjacent channel power	60 dB (12.5 kHz type) 70 dB (25 kHz type)						
TRA	Audio frequency responce	+1 dB to -3 dB in a 6 dB/octave range with	300 Hz to 2550 Hz input (12.5 kHz type) 300 Hz to 3000 Hz input (25 kHz type)					
	Residual modulation	40 dB						
	Audio harmonic distortion	10 %						
	Microphone impedance	1.2 kΩ						

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

# SECTION 2 INSIDE VIEWS

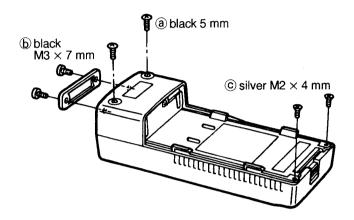
#### • IC-F35/F45



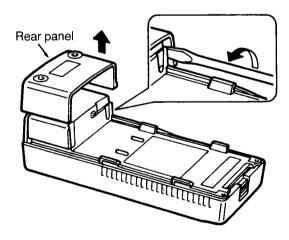
# SECTION 3 DISASSEMBLY INSTRUCTIONS

#### SEPARATING THE CHASSIS AND FRONT PANEL

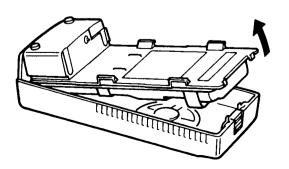
- ① Unscrew 2 screws ③ from the rear panel, and 2 screws ⑤ from the top panel.
- ② Remove the multi-connector cover from the top panel.
- 3 Unscrew 2 screws © from the chassis.



④ Use a screwdriver or similar shaped instrument, to release the latching tabs inside the rear panel; then, remove the panel.

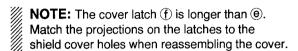


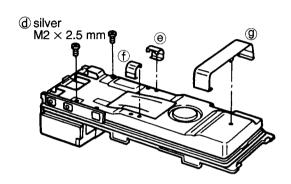
- (5) Separate the internal chassis from the front panel.
- ⑤ Disconnect the cable coming from the front panel, from its connector.
  - Be careful, release the tab before pulling the cable free.



#### OPENING THE SHIELD CASE

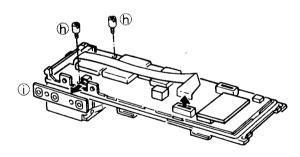
- 1) Set the shield case rear side down so that the shield cover is visible.
- (2) Unscrew 2 screws (d) from the shield cover.
- 3 Remove 3 cover latches (e), (f) and (9), then open the shield case.





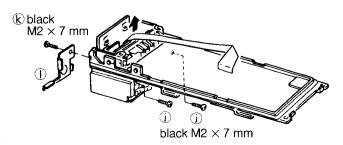
#### • REMOVING THE MAIN UNIT

- 1 Unplug flexible cables.
  - Be careful, release the tab before pulling the cable free.
- (2) Unscrew 2 stand-off (h) from the MAIN unit.
- 3 Remove the PTT board ①, then lift up the MAIN unit.



#### • REMOVING THE PA BLOCK

- 1) Unscrew 2 screws (i) from the PA heatsink.
- ② Unscrew 1 screw & and metal plate ① from the transceiver's top.
- 3 Lift up the PA block from the internal chassis.



# SECTION 4 CIRCUIT DESCRIPTION

#### 4-1 RECEIVER CIRCUITS

# 4-1-1 ANTENNA SWITCHING CIRCUIT (PA UNIT)

The antenna switching circuit functions as a low-pass filter while receiving and a resonator circuit while transmitting. The circuit does not allow transmit signals to enter receiver circuits.

Received signals enter the antenna terminal, or multiconnector (J1) and pass through the low-pass filter on the LPF board. The filtered signals are passed through the  $\,\lambda/4$  type antenna switching circuit (LPF board; D1, L2, L3) and applied to the MAIN unit.

#### 4-1-2 RF CIRCUIT (MAIN UNIT)

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

#### • IC-F35

The signals from the antenna switching circuit pass through the low-pass filter (L1, L2, C2-C6). The filtered signals are amplified at the RF amplifier (Q1) and then enter the two-stage band pass filter (D3, D4, L4, L7, C14, C26) to suppress unwanted signals.

D3 and D4 employ varactor diodes, that are controlled by the PLL lock voltage, to track the bandpass filter. These varactor diodes tune the center frequency of an RF passband for wide bandwidth receiving and good image response rejection.

#### • IC-F45

The signals from the antenna switching circuit are applied to the RF amplifier (Q1) via the bandpass filter (D2, L2, L3, C8, C9). The amplified signals pass through the bandpass filter (D3–D5, L4, L7, L8, C14, C26, C29) to suppress out-of-band signals.

D2-D5 are varactor diodes that tune the center frequency of an RF passband for wide bandwidth receiving and good image response rejection.

# 4-1-3 1ST MIXER and 1ST IF CIRCUITS (MAIN UNIT)

The 1st mixer circuit (Q2) converts the received signal to a fixed frequency of the 1st IF signal with the PLL output frequency. By changing the PLL frequency, only the desired frequency will be passed through a pair of crystal filters at the next stage of the 1st mixer.

The RF signals from the bandpass filter are mixed at the 1st mixer circuit (Q2) with the 1st LO signal coming from the RX VCO circuit through the buffer amplifier (Q3) to produce the 1st IF signals. The 1st IF signal is applied to a pair of crystal filters (FI1) in order to obtain wide selection capability and to pass only the desired signals. The filtered signal is amplified at the 1st IF amplifier (Q4) and then applied to the 2nd IF circuit.

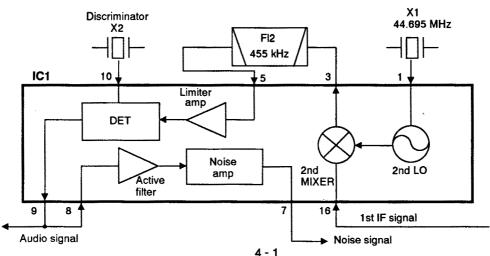
# 4-1-4 2ND IF and DEMODULATOR CIRCUITS (MAIN UNIT)

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

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

IC1 contains the 2nd mixer, local oscillator, limiter amplifier, quadrature detector, active filter and noise amplifier circuit. The local oscillator section and X1 generate 44.695 MHz for the 2nd LO signal.

#### • 2ND IF AND DEMODULATOR CIRCUITS



The 2nd IF signal from the 2nd mixer (IC1, pin 3) passes through the high-quality ceramic filter (FI2) to suppress unwanted heterodyned frequency signals. It is then amplified at the limiter amplifier section (IC1, pin 5) and applied to the quadrature detector section (IC1, pin 10) to demodulate the 2nd IF signal into AF signals. The AF signals are output from pin 9.

#### 4-1-5 AF CIRCUIT (MAIN UNIT)

The AF circuit de-emphasizes the demodulated signal with - 6 dB/octave and power-amplifies the AF signals to drive a speaker. The AF circuit includes an AF mute circuit for the squelch.

The AF signals from the FM IF IC (IC1, pin 9) are amplified at the AF amplifier (IC2) and are then applied to the highpass filter (IC3a). The characteristics of the high-pass filter (IC3a) are controlled by the "HFSW" signal. When "HFSW" is "High" the cut off frequency is shifted higher to remove CTCSS signals.

The filtered signals from the high-pass filter (IC3, pin1) are passed through the de-emphasis circuit (IC3b). This de-emphasis circuit is an integrated circuit with frequency characteristics of -6 dB/octave. They are then applied to the level controller (IC7, pin 16) via the AF mute switch (Q6).

Output signals from the level controller (IC7, pin 15) are applied to the AF power amplifier (IC5) to drive the speaker.

# 4-1-6 SQUELCH CIRCUIT (MAIN UNIT)

#### NOISE SQUELCH

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

A portion of the AF signals from (IC1, pin 9) are applied to the active filter in (IC1, pin 8). Noise components of about 20 kHz are amplified and output from pin 7 (IC1).

The noise signals from (IC1, pin 7) are passed through a level controller (IC7 pins 21, 22) and are then converted to a pulse signal (NOIS) at Q13 and Q14.

The "NOIS" signal from Q13 is applied to the CPU (IC17 pin 19). The CPU then analyzes the noise condition and controls the "AMUT" and "APSW" ports to cut off the AF signal using AF switches (Q6, Q11).

#### · CTCSS

A portion of the AF signals from the AF amplifier (IC2a) pass through the low-pass filters (IC4a/b) and are then applied to the CTCSS decoder inside the CPU (IC17 pin 98) to control the "AMUT" and "APSW" ports.

#### 4-2 TRANSMITTER CIRCUITS

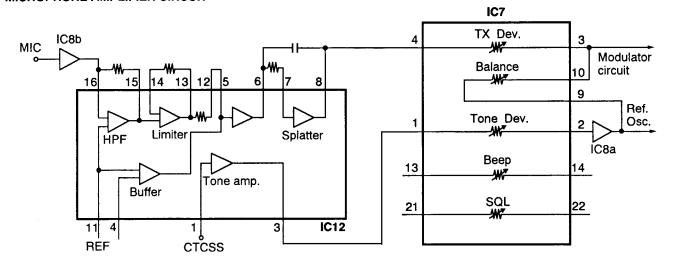
# 4-2-1 MICROPHONE AMPLIFIER CIRCUIT (MAIN UNIT)

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

The AF signals from the built-in microphone (FRONT unit, MC1) or from the multi-connector (external microphone) are passed through the MIC switch (IC13) and applied to the pre-amplifier (IC8b). The amplified signals are applied to the limiter amplifier section of the microphone amplifier (IC12).

The entered signals (IC12, pin 16) are pre-emphasized with +6 dB/octave at a limiter amplifier, then passed through a splatter filter. The output signals from pin 8 (IC12) pass through the level controller (IC7, pin 3, 4) and are then applied to the modulation circuit after being amplified at Q17.

#### • MICROPHONE AMPLIFIER CIRCUIT



#### 4-2-2 MODULATION CIRCUIT (MAIN UNIT)

The modulation circuit modulates the VCO oscillating signal and reference oscillator using the microphone audio signals to obtain highly linear modulation.

The AF signals from Q17 change the reactance of a varactor diode (D16) to modulate the oscillated signal at the TX VCO circuit (Q27, D12–D15 for F35; Q27, D12, D14 for F45). The modulated signal is amplified at the buffer-amplifiers (Q29, Q31) and is then applied to the drive amplifier circuit.

CTCSS signals from the CPU (IC17 pin 32–35) are applied to the microphone amplifier (IC12, pin 1). The amplified signals from the microphone amplifier (IC12, pin 3) pass through the level controller (IC7 pins 1, 2) and are then applied to the VCO via the LPF (IC8a) and level controller (IC7, pins 10, 11).

# 4-2-3 DRIVE AMPLIFIER CIRCUIT (MAIN UNIT)

The drive amplifier circuit amplifies the TX VCO oscillating signal to the needed level at the power amplifier.

The signal from the buffer-amplifier (Q31) passes through the low-pass filter and is applied to the drive amplifier (Q32 for F35, Q33 via the buffer-amplifier Q32 for F45). The amplified signal is applied to the RF power amplifier.

#### 4-2-4 RF POWER AMPLIFIER (PA UNIT)

IC11 is the power module which provides a stable 5 W of output power.

The RF signal from the drive amplifier (MAIN unit, Q32 for F35, Q33 for F45) is applied to the power amplifier (IC11, pin 1). The amplified signal is output from pin 5 and is applied to the antenna connector through the output power detector and antenna switching circuits.

#### 4-2-5 APC CIRCUIT (MAIN AND PA UNITS)

The APC (Automatic Power Control) circuit protects the power module (PA unit IC1) and the drive amplifier (MAIN unit, Q33; IC-F45 only) from a mismatched output load. Also, the APC circuit controls the gain of the power module and the drive amplifier (IC-F45 only) in order for the transceiver to output a constant RF power even when the supplied voltage shifts, etc.

The APC detector circuit (PA unit, D3, D4) detects forward signals and rectified signals, respectively. The combined voltage is at a minimum level when the antenna is matched at  $50\Omega$  and increases when it is mismatched. The combined voltage is applied to the inverse amplifier (IC21b) and compared with a reference voltage which is supplied from the level controller (IC7, pin11).

The output voltage from the inverse amplifier (IC21b, pin7) is applied to the APC control circuit (Q42) to control the bias voltage of the power module (PA unit, IC1) and the drive amplifier (Q33; IC-F45 only).

#### 4-3 PLL CIRCUITS

#### 4-3-1 PLL CIRCUIT (MAIN UNIT)

A PLL circuit provides stable oscillation of the transmit frequency and the receive 1st LO frequency. The PLL circuit consists of the PLL IC (IC10), charge pump, loop filter and reference oscillator and employs a pulse swallow counter.

Signals from the VCO circuit are amplified at the buff-er-amplifiers (Q29, Q30) and are prescaled in the PLL IC (IC10) based on the divided ratio (N-data). The PLL IC detects the out-of-step phase using the reference and outputs it from pin 13. The output signal is passed through the charge pump (Q20–Q23) and loop filters (R151/C127, R157/C125), and is then applied to the VCO circuit as the lock voltage.

The accelerator switch (IC9a/b) selects the effective loop filter to accelerate the lock up speed.

The lock voltage is also used for the receiver tunable bandpass filters to match the filter's center frequency to the desired receive frequency. The lock voltage is amplified at the buffer amplifier (Q24) and is then applied to the bandpass filters (D3, D4 for F35, D2–D5 for F45).

# 4-3-2 REFERENCE OSCILLATOR CIRCUIT (MAIN UNIT)

The reference oscillator circuit (X3) generates the reference frequency which is stabilized within the temperature range  $-30\,^{\circ}$ C to  $+55\,^{\circ}$ C. The reference frequency is applied to the PLL IC (IC10, pin 16).

#### 4-3-3 VCO CIRCUIT (MAIN UNIT)

#### • IC-F35

The VCO circuit contains a separate RX VCO (Q25, D8–D11) and TX VCO (Q27, D12–D15). The oscillated signal is amplified at the buffer-amplifiers (Q29, Q31) and is then applied to the T/R switching circuit (D18). Then the RX signal is applied to the 1st mixer (Q2) via the amplifier (Q3) and the TX signal to the driver (Q32).

A portion of the signal from Q29 is amplified at the buffer amplifier (Q30) and is then fed back to the PLL IC (IC10 pin 18) as the comparison signal.

#### • IC-F45

The RX VCO consists of Q25, D8 and D10, and the TX VCO consists of Q27, D12 and D14. The oscillated signal is applied to the T/R switching circuit (D18) after being amplified at the buffer-amplifiers (Q29, Q31). The RX signal is applied to the 1st mixer (Q2) via the amplifier (Q3) and the TX signal to the buffer-amplifier (Q32).

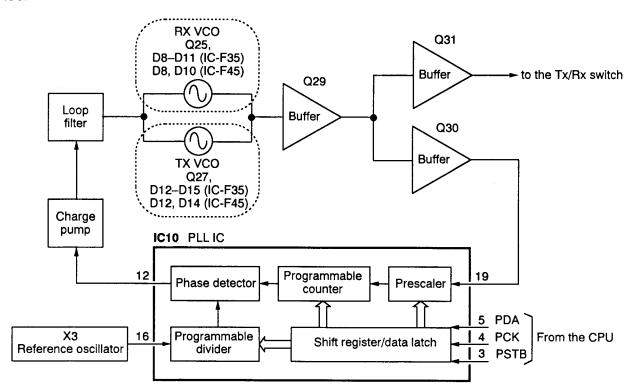
The amplified VCO signal from the buffer amplifier (Q29) is fed back to the PLL IC (IC10 pin 18) for comparison with the reference signal via the buffer amplifier (Q30).

#### 4-4 POWER SUPPLY CIRCUITS

#### 4-4-1 VOLTAGE LINES (MAIN UNIT)

4-4-1	VOLTAGE LINES (MAIN UNIT)
LINE	DESCRIPTION
HV	DC 7.5 V from the attached battery pack through filters and fuse on the EF board.
vcc	The same voltage as the HV line passes through the [POWER] switch (CHASSIS, R1) .
REF5V	Common 5 V converted from the HV line at the 5V regulator circuit (IC20).
+5V	Common 5 V converted from the VCC line at the +5V regulator circuit (Q45, Q46 and D30).
R5V	Receive 5 V converted from the VCC line at the R5V regulator circuit (Q47, Q48 and D31). The REF5V is applied for reference voltage.
T5V	Transmit 5 V converted from the VCC line at the T5V regulator circuit (Q51, Q52 and D33).
MT5V	Transmit 5 V converted from the VCC line at the MT5V regulator circuit (Q49 and Q50).
CPU5	The same voltage as the REF5V line passes through L39.
+12V	Common 12V converted from the +5V line at the 12V DC-DC converter circuit (IC18, Q41, D23–D26).

#### • PLL CIRCUIT



# 4-5 PORT ALLOCATIONS

# 4-5-1 CPU (IC17 ON THE MAIN UNIT)

PIN	PORT	DESCRIPTION
No.	NAME	
1	LBAT	A/D input port for low battery voltage detection.
9	RES	Input port for reset signal.
11	SHIFT	Outputs CPU clock shift signal.
12	ССК	Outputs clock signal to the MODEM and TENKEY unit.
13	CSI	Input port for clock signal from the MODEM and TENKEY unit.
14	cso	Outputs data signal to the MODEM and TENKEY unit.
16, 18	CLI	Input ports for clone data.
17	CLO	Output port for clone data.
19	NOIS	Noise pulse input port for the squelch control.
21	POSW	Input port for the power switch.  Low: Power switch is pushed
24	CRES	Output port for reset signal to IC1 on the TENKEY unit.
32-	CTN3-	Outputs CTCSS signals.
35	CTN0	· · · · · · · · · · · · · · · · · · ·
36	PTTO	Outputs PTT control signal to the MODEM unit.  Low: While PTT is pushed
39	PTTI	Input port for the PTT control signal from the MODEM unit. Low: While PTT is pushed
42	ECK	Outputs clock signals to EEPROMs.
43	ESI	Input port for serial data from EEPROMs.
44	ESO	Outputs serial data to EEPROMs.
47	PDA	Outputs serial data to the PLL IC (IC10).
48	PCK	Outputs clock signals to the PLL IC (IC10).
49	UNLK	Input port for the PLL unlock signal. High: PLL unlock
50	PSTB	Outputs a strobe signal to the PLL IC (IC10).
51	PLLT	Output port for a PLL acceleration signal. High: Turbo ON
53	DDA	Outputs serial data to the level controller (IC7).
54	DCK	Outputs clock signals to the level controller (IC7).
55	DSTB	Outputs a strobe signal to the level controller (IC7).
58	HFSW	Outputs a selecting signal of RX HPF characteristics. High: Filters out CTCSS frequency
60	TMUT	Outputs Tx mute signal. High: Tx mute

PIN No.	PORT NAME	DESCRIPTON
63	APSW	Outputs mute switch (Q11) control signal.  High: Mutes received audio
65	VTX	Outputs TX VCO and T5V regulator circuits control signal.  During TX: Low
66	VRX	Outputs RX VCO and R5V regulator circuits control signal. During RX: Low
67	PWON	Outputs POWER SW circuit control signal. High: During power ON
71	S1	Input port for programmable key (DOWN).
72	S2	Input port for programmable key (UP).
77	5VR	Input port for connection of the multi-connecter detection.  Low: Connected Head set
79	MCON	Output port for MIC mute control signals. Low: Mutes microphone audio
80	AMUT	Outputs mute switch (Q6) control signal. High: Mutes receive audio
90	BEEP	Output port for the beep audio signals.
97	THRM	Input port for the transceiver's internal temperature signal data.
98	CDEC	Input port for CTCSS signals.
99	RSSI	Input port for Rx signal strength level.
100	VOXV	A/D input port for VOX's over modulation detection. High: Loud voice

# SECTION 5 ADJUSTMENT PROCEDURES

#### 5-1 PREPARATION

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

#### REQUIRED ITEMS

The following hardware and software are required for trimmer adjustment:

- IBM PC/AT or PS/2 compatible computer with an RS-232C serial port
- MS-DOS, PC-DOS or IBM DOS ver. 5.02 or higher
- ADJUSTMENT PROGRAM
- OPC-427

#### **■ ENTERING CONVENTIONAL MODE**

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

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

#### **■ STARTING THE PROGRAM**

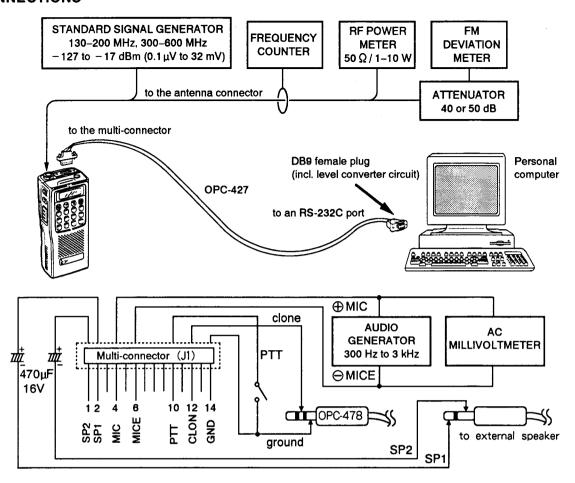
Before using the program, make a copy of the original disk on your hard disk. Operate the program using the hard disk copy for convenience, and keep the original in a safe place.

- 1) Boot up DOS.
- ② Type the following to start the adjustment program: TRIMMER [Enter]
- ③ Set the cursor to the adjustment item using the [ ↑ ]/[ ↓ ] keys.
- Adjust the item between 0 to 255 using the [←]/[→] keys (refer to SECTION 5-4 for IC-F35, SECTION 5-7 for IC-F45).

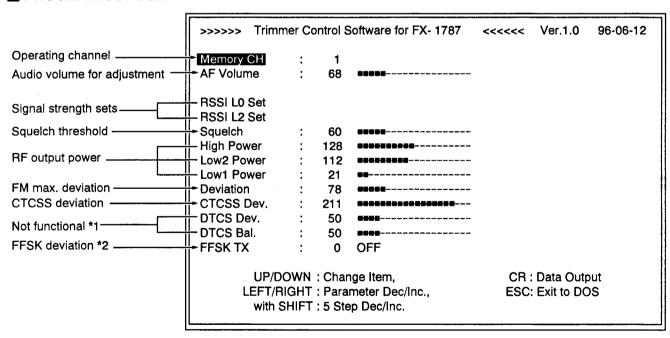
NOTE: The PTT switch is necessary to transmit the transceiver while transmit items, except FFSK TX, are adjusted. (FFSK TX item transmits automatically when pushing the [Space] key.)

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#### **■** CONNECTIONS



#### ■ PROGRAM SCREEN



Above values are examples only.

\*1: DTCS Dev./DTCS Bal. are not optional commands for IC-F35/F45 and must be fixed to [50], otherwise CTCSS Dev. is affected.

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

# 5-2 IC-F35 PLL ADJUSTMENT

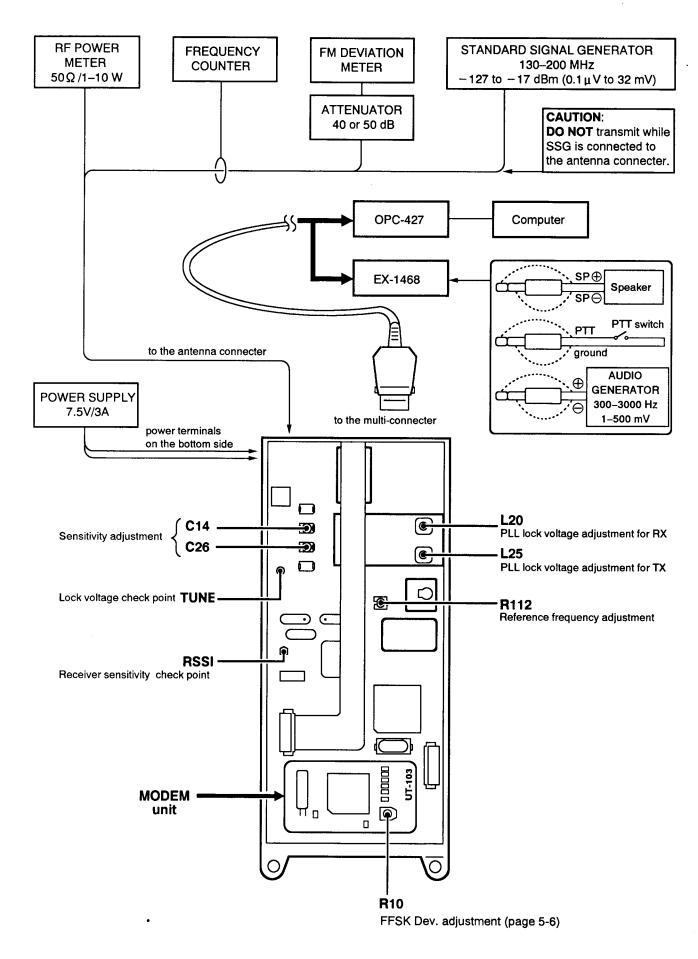
ADJUSTME	NT	ADJUSTMENT CONDITIONS		MEASUREMENT	VALUE		ADJUSTMENT POINT	
AB000 1 1112	•	A DOCUMENT CONDITIONS	UNIT	LOCATION	VALUE	UNIT ADJUST		
PLL LOCK VOLTAGE	1	Operating frequency:136.000 MHz     Receiving	MAIN	Connect the digital multimeter or oscillo-	2.0 V	MAIN	L20	
	2	Operating frequency:         136.000 MHz [L-band]         146.000 MHz [H-band]     Transmitting		scope to the check point "TUNE."			L25	
	3	Operating frequency:     155.000 MHz [L-band]     174.000 MHz [H-band]     Receiving			9.5 ± 1.5 V	:	Verify	
	4	Transmitting	1					
PLL REFERENCE FREQUENCY	1	Operating frequency:         155.000 MHz [L-band]         174.000 MHz [H-band]     Transmitting	ТОР	Loosely couple the frequency counter to the antenna connector.	155.0000 MHz [L-band] 174.0000 MHz [H-band]	MAIN	R112	

### 5-3 IC-F35 RECEIVER ADJUSTMENT

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

ADJUSTMENT		ADJUSTMENT CONDITIONS	MEASUREMENT VALUE				STMENT OINT
		ADJOOTHIERT CONDITIONS	UNIT	LOCATION	VALUE	UNIT	ADJUST
RECEIVER SENSITIVITY	1	Operating frequency:  136.000 MHz [L-band]  146.000 MHz [H-band]  Connect the SSG to the antenna connector and set as:  Level : 32 μV* (-77 dBm)  Modulation: 1 kHz  Deviation : ±3.5 kHz [25 kHz type]  ±1.75 kHz [12.5 kHz type]  Connect an 8 Ω load to the external speaker jack.	MAIN	Connect the analog tester or oscilloscope to the check point "RSSI."	Maximum volt- age	MAIN	Adjust in sequence C14, C26

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



# 5-4 IC-F35 TRIMMER ADJUSTMENT

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

ADJUSTMEN	IT	ADJUSTMENT CONDITIONS	MEASUREMENT	VALUE	OPERATION					
RSSI L0/L2	1	Operating frequency:  136.000 MHz [L-band]  146.000 MHz [H-band]  Connect the SSG to the antenna connector and set as:  Level : 0.45 μV* ( – 114 dBm)  Modulation: 1 kHz  Deviation : ± 3.5 kHz [25 kHz type]  ± 1.75 kHz [12.5 kHz type]  Set the cursor to "RSSI LO Set" on the screen of the connected computer.  Receiving			Push [Enter] on the computer keyboard.					
	2	<ul> <li>Level : 14 µV* ( – 84 dBm)</li> <li>Set the cursor to "RSSI L2 Set" on the screen of the connected computer.</li> <li>Receiving</li> </ul>								
SQUELCH	1	Operating frequency:	Connect the SINAD meter to the external speaker jack with an 8 Ω load.	8 dB SINAD	SSG's output level.					
	2	Set the cursor to "Squelch" on the screen of the connected computer.     Receiving	Connected speaker	At the point where the audio noise just appears.	[←]/[→] on the computer keyboard.					
	3	Level: 1mV* ( - 47 dBm) Turn SSG output OFF. Receiving		Squelch delay is less than 1 sec.	Verify					
OUTPUT POWER	1	Operating frequency:  155.000 MHz [L-band]  174.000 MHz [H-band]  Output power set : High Set the cursor to "High Power" on the screen of the connected computer.  Transmitting	Connect the RF power meter to the antenna connector.	5 W	[ ←]/[ →] on the computer keyboard.					
	2	Output power set : Low2.     Set the cursor to "Low2 Power" on the screen of the connected computer.     Transmitting		2 W						
=	3	Output power set : Low1     Set the cursor to "Low1 Power" on the screen of the connected computer.     Transmitting		1 W						
·	NO	NOTE: Each power adjustment must be adjusted on the proper channel (High/Low2/Low1), otherwise test equipment readings for the power will be misreading.								

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

# IC-F35 TRIMMER ADJUSTMENT (CONTINUED)

ADJUSTME	١T	ADJUSTMENT CONDITIONS	MEASUREMENT	VALUE	OPERATION	
FM DEVIATION	1	Operating frequency:	Connect the FM deviation meter to the antenna connector through the attenuator.	± 4.2 kHz [25 kHz type] ± 2.1 kHz [12.5 kHz type]	[←]/[→] on the com puter keyboard.	
CTCSS DEVIATION	1	Operating frequency:  136.000 MHz [L-band]  146.000 MHz [H-band]  No signal applied to the [MIC] jack.  Tone frequency: 67.0 Hz  Set the cursor to "CTCSS Dev." on the screen of the connected computer.  Transmitting	Connect the FM deviation meter to the antenna connector through the attenuator.	±0.5 kHz [25 kHz type] ±0.3 kHz [12.5 kHz type]	[←]/[→] on the computer keyboard.	
FFSK DEVIATION	1	Operating frequency:  136.000 MHz [L-band]  146.000 MHz [H-band]  No signal applied to the [MIC] jack.  Connect the FM deviation meter to the antenna connector and set as:  HPF : OFF  LPF : 20 kHz  De-emphasis: OFF  Detector : (P-P)/2  Set the cursor to "FFSK TX" on the screen of the connected computer.  Push the [Space] key on the computer keyboard to transmit.	Connect the FM deviation meter to the antenna connector through the attenuator.	±3.0kHz [25 kHz type] ±1.5 kHz [12.5 kHz type]	R10 (MODEM unit) see page 5-4	

# 5-5 IC-F45 PLL ADJUSTMENT

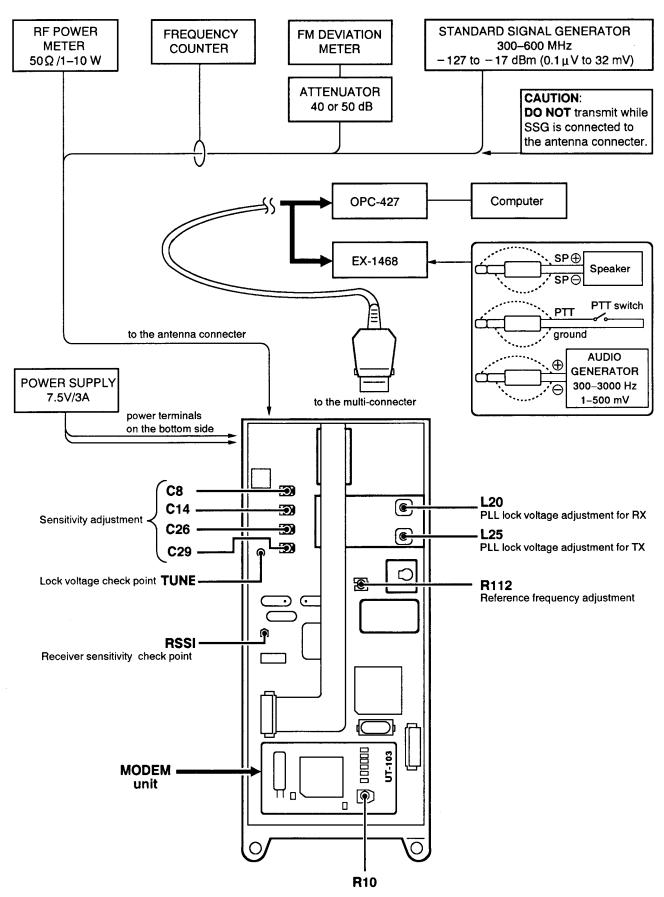
40 111071471	_	ADJUSTMENT CONDITIONS	MEASUREMENT		VALUE	ADJUSTMENT POINT	
ADJUSTMENT		ADJUSTMENT CONDITIONS	UNIT LOCATION		VALUE	UNIT	ADJUST
PLL LOCK VOLTAGE	1	Operating frequency:     400.000 MHz [L-band]     440.000 MHz [H-band]     Receiving	MAIN	Connect the digital multi-meter or oscilloscope to the check point "TUNE."	2.0 V	MAIN	L20
	2	Transmitting					L25
	3	Operating frequency:     430.000 MHz [L-band]     470.000 MHz [H-band]     Receiving			8.5 ± 1.5 V		Verify
	4	Transmitting					
PLL REFERENCE FREQUENCY	1	Operating frequency:     430.000 MHz [L-band]     470.000 MHz [H-band]     Transmitting	ТОР	Loosely couple the frequency counter to the antenna connector.	430.0000 MHz [L-band] 470.0000 MHz [H-band]	MAIN	R112

# 5-6 IC-F45 RECEIVER ADJUSTMENT

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

ADJUSTMENT		AD ILLOTATALT COMPLETIONS		MEASUREMENT	VALUE	ADJUSTMENT POINT	
		ADJUSTMENT CONDITIONS	UNIT LOCATION				VALUE
RECEIVER SENSITIVITY	1	Operating frequency:  400.000 MHz [L-band]  440.000 MHz [H-band]  Connect the SSG to the antenna connector and set as:  Level : 32 μV* (-77 dBm)  Modulation: 1 kHz  Deviation : ±3.5 kHz [25 kHz type]  ±1.75 kHz [12.5 kHz type]  Connect an 8 Ω load to the external speaker jack.  Receiving	MAIN	Connect the analog tester or oscilloscope to the check point "RSSI."	Maximum volt- age	MAIN	Adjust in sequence C8, C14, C26, C29

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



FFSK Dev. adjustment (page 5-10)

# 5-7 IC-F45 TRIMMER ADJUSTMENT

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

ADJUSTMEN	IT	ADJUSTMENT CONDITIONS	MEASUREMENT	VALUE	OPERATION
RSSI LO/L2	1	Operating frequency:  400.000 MHz [L-band]  440.000 MHz [H-band]  Connect the SSG to the antenna connector and set as:  Level : 0.45 μV* ( -114 dBm)  Modulation: 1 kHz  Deviation : ±3.5 kHz [25 kHz type]  ±1.75 kHz [12.5 kHz type]  Set the cursor to "RSSI L0 Set" on the screen of the connected computer.  Receiving			Push [Enter] on the computer keyboard.
	2	<ul> <li>Level : 14 μV* ( – 84 dBm)</li> <li>Set the cursor to "RSSI L2 Set" on the screen of the connected computer.</li> <li>Receiving</li> </ul>			
SQUELCH	1	Operating frequency:         400.000 MHz [L-band]         440.000 MHz [H-band]     Connect the SSG to the antenna connector and set as:         Level : ANY         Modulation: 1 kHz         Deviation : ± 3.5 kHz [25 kHz type]         ± 1.75 kHz [12.5 kHz type]         Receiving	Connect the SINAD meter to the external speaker jack with an 8 Ω load.	8 dB SINAD	SSG's output level.
	2	Set the cursor to "Squelch" on the screen of the connected computer.     Receiving	Connected speaker	At the point where the audio noise just appears.	[←]/[→] on the computer keyboard.
	3	Level: 1mV* ( - 47 dBm) Turn SSG output OFF. Receiving		Squelch delay is less than 1 sec.	Verify
OUTPUT POWER   Output power set : High Set the cursor to "High Power" on the screen of the connected computer.  Transmitting		Connect the RF power meter to the antenna connector.	5.5 W	[←]/[→] on the computer keyboard.	
	2	Output power set : Low2     Set the cursor to "Low2 Power" on the screen of the connected computer.     Transmitting		2 W	
	3	Output power set : Low1     Set the cursor to "Low1 Power" on the screen of the connected computer.     Transmitting		1 W	
	NO	OTE: Each power adjustment must be adjusted on readings for the power will be misreading.	the proper channel (Hig	h/Low2/Low1), other	wise test equipment

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

# IC-F45 TRIMMER ADJUSTMENT (CONTINUED)

ADJUSTMEN	IT	ADJUSTMENT CONDITIONS	MEASUREMENT	VALUE	OPERATION
FM DEVIATION	1	Operating frequency:  400.000 MHz [L-band]  490.000 MHz [H-band]  Apply an AF signal to the [MIC] jack:  1 kHz / 100 mV  Connect the FM deviation meter to the antenna connector and set as:  HPF : OFF  LPF : 20 kHz  De-emphasis: OFF  Detector : (P - P)/2  Set the cursor to "Deviation" on the screen of the connected computer.  Transmitting	Connect the FM deviation meter to the antenna connector through the attenuator.	±4.2 kHz [25 kHz type] ±2.1 kHz [12.5 kHz type]	[←]/[→] on the computer keyboard.
CTCSS DEVIATION	1	Operating frequency:  400.000 MHz [L-band]  440.000 MHz [H-band]  No signal applied to the [MIC] jack.  Tone frequency: 67.0 Hz  Set the cursor to "CTCSS Dev." on the screen of the connected computer.  Transmitting	Connect the FM deviation meter to the antenna connector through the attenuator.	±0.5 kHz [25 kHz type] ±0.3 kHz [12.5 kHz type]	[←]/[→] on the computer keyboard.
FFSK DEVIATION	1	Operating frequency:  400.000 MHz [L-band]  440.000 MHz [H-band]  No signal applied to the [MIC] jack.  Connect the FM deviation meter to the antenna connector and set as:  HPF : OFF  LPF : 20 kHz  De-emphasis: OFF  Detector : (P-P)/2  Set the cursor to the "FFSK TX" on the screen of the connected computer.  Push the [Space] key on the computer keyboard to transmit.	Connect the FM deviation meter to the antenna connector through the attenuator.	±3.0 kHz [25 kHz type] ±1.5 kHz [12.5 kHz type]	R10 (MODEM unit) see page 5-8

[PA UNIT] (IC-F35 only)

REF. NO.	ORDER NO.		DESCRIPTION
IC1	1150001230	IC	SC-1224 [L-band]
	1150001240	IC	SC-1223 [H-band]
D1	1790000670	S.DIODE	SB07-03C-TB
D2	1790000450	S.DIODE	MA862(TX)
D3	1790001210	S.DIODE	1SS375-TL
D4	1790001210	S.DIODE	1SS375-TL
D5	1790001210	S.DIODE	1\$\$375-TL
L1	6200003960	S.COIL	MLF1608A 1R0K-T
L4	6200004440	S.COIL	ELJFC 4R7M-F
L5	6200001640	S.COIL	ELJNC 10NK-F
L6	6200001640	S.COIL	ELJNC 10NK-F
L7	6200003850	S.COIL	36CS-656LZ-09K=P3
L8	6200003750	S.COIL	36CS-656LZ-08K=P3
L9	6200003750	S.COIL	36CS-656LZ-08K=P3
L10	6200003830	S.COIL	DCS3120-015A TR
L11	6200007140	S.COIL	BLM11B601S
L12	6200007140	S.COIL	BLM11B601S
R <sub>1</sub>	7030000270	S.RESISTOR	MCR10EZHJ 120 Ω (121)
R2	7030003360	S.RESISTOR	ERJ3GEYJ 221 V (220 Ω )
R3	7030003340	S.RESISTOR	ERJ3GEYJ 151 V (150 Ω )
R4	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)
R5	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)
R6	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R7	7030004050	S.RESISTOR	ERJ3GEYJ 1R0 V (1 Ω)
C1	4030009580	S.CERAMIC	C1608 JB 1H 681K-T-A
C2	4030009580	S.CERAMIC	C1608 JB 1H 681K-T-A
C3	4030007030	S.CERAMIC	C1608 CH 1H 150D-T-A
			[L-band]
	4030007010	S.CERAMIC	C1608 CH 1H 100D-T-A [H-band]
C4	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C5	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C6	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C7	4550006250	S.TANTALUM	TEMSVA 1A 106M-8L
C8	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C9	4030007090	S.CERAMIC	C1608 CH 1H 470J-T-A
C10	4030007010	S.CERAMIC	C1608 CH 1H 100D-T-A
C11	4550006250	S.TANTALUM	TEMSVA 1A 106M-8L
C12	4030006850	S.CERAMIC S.CERAMIC	C1608 JB 1H 471K-T-A C1608 CH 1H 470J-T-A
C13 C14	4030007090	S.CERAMIC	C1608 JB 1H 102K-T-A
C15	4550006480	S.TANTALUM	TEMSVA 1C 475M-8L
			[L-band] only
C16	4030007090	S.CERAMIC	C1608 CH 1H 470J-T-A
C17	4030006900	S.CERAMIC	C1608 JB 1E 103K-T-A
C18	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C19	4030009520	S.CERAMIC	C1608 CH 1H 020B-T-A C1608 JB 1H 102K-T-A
C21	4030006860	S.CERAMIC S.CERAMIC	C1608 JB 1H 102K-1-A C1608 CH 1H 220J-T-A
C22 C23	4030007050	S.CERAMIC S.CERAMIC	C1608 JB 1H 102K-T-A
C23	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C25	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C26	4030007020	S.CERAMIC	C1608 CH 1H 120D-T-A
	4030007010	S.CERAMIC	[L-band] C1608 CH 1H 100D-T-A
C27	4030007020	S.CERAMIC	[H-band] C1608 CH 1H 120D-T-A
	4030007010	S.CERAMIC	[L-band] C1608 CH 1H 100D-T-A
C28	4030006860	S.CERAMIC	[H-band] C1608 JB 1H 102K-T-A
1	1	1	

#### [PA UNIT] (IC-F35 only)

REF. NO.	ORDER NO.		DESCRIPTION
C29	4030007010	S.CERAMIC	C1608 CH 1H 100D-T-A
			[L-band]
	4030007000	S.CERAMIC	C1608 CH 1H 090D-T-A
			[H-band]
C30	4030006980	S.CERAMIC	C1608 CH 1H 070D-T-A
C31	4030007050	S.CERAMIC	C1608 CH 1H 220D-T-A
1			[L-band]
	4030007040	S.CERAMIC	C1608 CH 1H 180D-T-A
			[H-band]
C32	4030006980	S.CERAMIC	C1608 CH 1H 070D-T-A
1			[L-band]
	4030006970	S.CERAMIC	C1608 CH 1H 060D-T-A
	1		[H-band]
C33	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C34	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C36	4030006850	S.CERAMIC	C1608 JB 1H 471K-T-A
C37	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C38	4030007090	S.CERAMIC	C1608 CH 1H 470J-T-A
C39	4030007090	S.CERAMIC	C1608 CH 1H 470J-T-A
C40	4030007090	S.CERAMIC	C1608 CH 1H 470J-T-A C1608 CH 1H 470J-T-A
C41	4030007090	S.CERAMIC S.CERAMIC	C1608 CH 1H 470J-T-A
C42	4030007090	S.CERAMIC S.CERAMIC	C1608 CH 1H 470J-T-A
C43	4030007090		
C44	4030009530	S.CERAMIC	C1608 CH 1H 030B-T-A
C45	4030007090	S.CERAMIC	C1608 CH 1H 470J-T-A
C46	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
J1	6510016370	S.CONNECTOR	AXR91010301
J2	6510019770	S.CONNECTOR	FH12-15S-0.5SV
W <sub>1</sub>	8900007180	CABLE	OPC-696
W2	7030003860	S.JUMPER	ERJ3GE JPW V
EP1	0910047423	PCB	B 4667C

#### [LPF BOARD] (IC-F35 only)

REF. NO.	ORDER NO.		DESCRIPTION
D1	1790000450	S.DIODE	MA862(TX)
L1 L2 L3	8200003300 8200003670 8200003670	S.COIL S.COIL S.COIL	ELJNC R22K-F ELJNC 68NK-F ELJNC 68NK-F
R1 R2 R3	7030000370 7030000110 7030000370	S.RESISTOR S.RESISTOR S.RESISTOR	MCR10EZHJ 820 $\Omega$ (821) MCR10EZHJ 5.6 $\Omega$ (5R6) MCR10EZHJ 820 $\Omega$ (821)
C1 C2 C3	4030007100 4030007090 4030007030 4030007000	S.CERAMIC S.CERAMIC S.CERAMIC S.CERAMIC	C1808 CH 1H 580J-T-A C1608 CH 1H 470J-T-A C1608 CH 1H 150D-T-A [L-band] C1608 CH 1H 090D-T-A [H-band]
C4	4030008580 4030007040	S.CERAMIC S.CERAMIC	C1608 CH 1H 300D-T-A [L-band] C1608 CH 1H 180D-T-A [H-band]

# [LPF BOARD] (IC-F35 only)

REF. NO.	ORDER NO.	DESCRIPTION	
J1	6510019200	S.CONNECTOR	53268-0891
EP1 EP2	6910008550 0910048690	LEADFRAM PCB	HFB2.0-0.9-8 (K) B 4953

### [ANT BOARD] (IC-F35 only)

REF. NO.	ORDER NO.	DESCRIPTION		
EP1	0910047851	PCB	B 4670A	
	I	ì		

#### [MAIN UNIT] (IC-F35 only)

REF. NO.	ORDER NO.		DESCRIPTION
IC1	1110003490	S.IC	TA31136FN(D,EL)
IC2	1130006920	S.IC	TA75W01FU (TE12L)
IC3	1130006920	S.IC	TA75W01FU (TE12L)
IC4	1130006920	S.IC	TA75W01FU (TE12L)
IC5	1110002420	S.IC	NJM2073M(T1)
IC6	1110002750	S.IC	TA75S01F (TE85R)
IC7	1190000350	S.IC	M62363FP-650C
IC8	1130006920	S.IC	TA75W01FU (TE12L)
IC9	1130007300	S.IC	TC4W66FU(TE12L)
IC10	1130007610	S.IC	μPD3140GS-E1 (DS8)
IC12	1110003410	S.IC	μPC5023GR-043-GJG-T2
IC13	1130006220	S.IC	TC4W53FU (TE12L)
IC14	1110002750	S.IC	TA75S01F (TE85R)
IC15	1130007110	S.IC	TC7W04FU(TE12L)
IC16	1190000340	S.IC	X25160S(5V)
IC17	1140003750	S.IC	HD6473877H (Z-TAT)
IC18	1130007110	S.IC	TC7W04FU(TE12L)
IC19	1110003500	S.IC	S-80742SL-A6-T1
IC20	1180001080	S.IC	S-81250PG-PD-T1
IC21	1110003800	S.IC	NJM2904V-TE1
IC22	1190000490	S.IC	X25642S8I-2.76T
Q1	1580000610	S.FET	3SK239XR-TL
Q2	1580000490	S.FET	3SK166-2-T7
Q3	1530002920	S.TRANSISTOR	2SC4226-T2 R25
Q4	1530002820	S.TRANSISTOR	2SC4215-O (TE85R)
Q5	1530002060	S.TRANSISTOR	2SC4081 T107 R
Q6	1590000990	S.TRANSISTOR	DTC363EK T147
Q9	1520000450	S.TRANSISTOR	2SB1132 T100 Q
Q10	1530002060	S.TRANSISTOR	2SC4081 T107 R
Q11	1590000720	S.TRANSISTOR	DTA144EU T107
Q13	1530002060	S.TRANSISTOR	2SC4081 T107 R
Q14	1530002060	S.TRANSISTOR	2SC4081 T107 R
Q17	1560000540	S.FET	2SK880-Y (TE85R)
Q18	1590001660	S.TRANSISTOR	XP4312(TX)
Q20	1510000510	S.TRANSISTOR	2SA1576 T107 R
Q21	1530002060	S.TRANSISTOR	2SC4081 T107 R
Q22	1590002350	S.TRANSISTOR	UMW2N TL
Q23	1590002340	S.TRANSISTOR	UMS2N TL
Q24	1560000540	S.FET	2SK880-Y (TE85R)
Q25	1530002920	S.TRANSISTOR	2SC4228-T2 R25
Q26	1590000430	S.TRANSISTOR	DTC144EU T107
Q27	1530002920	S.TRANSISTOR	2SC4226-T2 R25
Q28	1590000430	S.TRANSISTOR	DTC144EU T107
Q29	1530003420	S.TRANSISTOR	2SC5110-O (TE85R)
Q30	1530003420	S.TRANSISTOR	2SC5110-O (TE85R)
Q31	1530003420	S.TRANSISTOR	2SC5110-O (TE85R)
Q32	1530002920	S.TRANSISTOR	2SC4226-T2 R25
Q36	1590001660	S.TRANSISTOR	XP4312(TX)
Q38	1590000430	S.TRANSISTOR	DTC144EU T107
Q40	1530002080	S.TRANSISTOR	2SC4081 T107 R

# [MAIN UNIT] (IC-F35 only)

REF.	ORDER		DESCRIPTION
NO.	NO.		
Q41	1560000810	S.FET	2\$K1069-4-TL
Q42 Q43	1590002140 1590002140	S.FET S.FET	2SJ316-TD 2SJ316-TD
Q44	1590002140	S.TRANSISTOR	DTC144EU T107
Q45	1520000450	S.TRANSISTOR	2SB1132 T100 Q
Q46	1530002060	S.TRANSISTOR	2SC4081 T107 R
Q47 Q48	1510000510 1530002060	S.TRANSISTOR S.TRANSISTOR	2SA1576 T107 R 2SC4081 T107 R
Q49	1520002000	S.TRANSISTOR	2SB1132 T100 Q
Q50	1530002080	S.TRANSISTOR	2SC4081 T107 R
Q51	1510000510	S.TRANSISTOR	2SA1576 T107 R
Q52 Q53	1530002060 1530002060	S.TRANSISTOR S.TRANSISTOR	2SC4081 T107 R 2SC4081 T107 R
Q54	1590000430	S.TRANSISTOR	DTC144EU T107
Q55	1590000720	S.TRANSISTOR	DTA144EU T107
D1	1790001210	S.DIODE	1SS375-TL
D3	1720000270	S.VARICAP	1SV217 (TPH2)
D4	1720000270	S.VARICAP	1SV217 (TPH2)
D7 D8	1750000550 1720000270	S.DIODE S.VARICAP	1SS355 TE-17 1SV217 (TPH2)
D9	1720000270	S.VARICAP	1SV217 (TPH2)
D10	1720000270	S.VARICAP	1SV217 (TPH2)
D11	1720000270	S.VARICAP	1SV217 (TPH2)
D12 D13	1720000270 1720000270	S.VARICAP S.VARICAP	1SV217 (TPH2) 1SV217 (TPH2)
D14	1720000270	S.VARICAP	1SV217 (TPH2)
D15	1720000270	S.VARICAP	1SV217 (TPH2)
D16 D18	1720000260 1790000450	S.VARICAP S.DIODE	1SV214 (TPH2) MA862(TX)
D20	1790001200	S.DIODE	MA6S121(TX)
D21	1750000550	S.DIODE	1SS355 TE-17
D22	1750000550	S.DIODE	1SS355 TE-17
D23 D24	1730002370 1750000550	S.ZENER S.DIODE	MA8120-H(TX) 1SS355 TE-17
D25	1750000130	S.DIODE	DA204U T107
D26	1750000550	S.DIODE	1SS355 TE-17
D27 D28	1750000550 17200003 <del>6</del> 0	S.DIODE S.DIODE	1SS355 TE-17 HSU88TRF
D29	1750000550	S.DIODE	1SS355 TE-17
D30	1750000550	S.DIODE	1SS355 TE-17
D31	1750000550	S.DIODE S.DIODE	1SS355 TE-17
D33	1750000550 1750000550	S.DIODE	1SS355 TE-17 1SS355 TE-17
D36	1750000130	S.DIODE	DA204U T107
D37	1750000130	S.DIODE	DA204U T107
D38	1750000550	S.DIODE	1SS355 TE-17
FI1	2010001810	XTAL	FL-228
FI2	2020000710	CERAMIC	CFWM455G
X1	6070000130	DISCR.	CDBM455C24
X2 X3	6050008850 6050009140	XTAL S.XTAL	CR-464 (44.695 MHz) CR-483 (12.8 MHz)
X4	6050008840	S.XTAL	CR-463 (6.8 MHz)
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L1	8200002370	S.COIL	LQN 1A 39NJ04
L2	6200002370	S.COIL	LQN 1A 39NJ04 LQN 1A 39NJ04
L4	6200002820	S.COIL	LQN 1A 47NJ04 [L-band]
, ,	6200002370	S.COIL	LQN 1A 39NJ04 [H-band]
L5 L6	6200003960 6200003960	S.COIL S.COIL	MLF1608A 1R0K-T MLF1608A 1R0K-T
L7	6200003960	S.COIL	LQN 1A 47NJ04 [L-band]
	6200002360	S.COIL	LQN 1A 33NJ04 [H-band]
L9	6200003670	S.COIL	ELJNC 68NK-F
L10 L11	6200001770 6200003670	S.COIL S.COIL	ELJNC 47NK-F ELJNC 68NK-F
L12	6200005190	S.COIL	MLF1608D R56K-T
L14	6200004920	S.COIL	MLF1608A 2R2K-T
L15 L18	6200003550 6200005190	S.COIL S.COIL	MLF1608A 4R7K-T MLF1608D R56K-T
L19	8200003190	S.COIL	LQH 1N R68M
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[MAIN UNIT] (IC-F35 only)				
REF. NO.	ORDER NO.		DESCRIPTION	
L20	6200006700	S.COIL	MC152-E558CNA-100034=P3	
L23	6200004880	S.COIL	ELJFC 3R3K-F	
L24	6200004250	S.COIL	LQH 1N 4R7K MC152-E558CNA-100035=P3	
L25 L27	6200003720 6200004880	S.COIL S.COIL	ELJFC 3R3K-F	
L27	6200004880	S.COIL	ELJNC 82NK-F	
L29	6200001770	S.COIL	ELJNC 47NK-F	
L30	6200002160	S.COIL	ELJNC 82NK-F	
L31	6200004650	S.COIL S.COIL	MLR1608M 68NJ-T ELJFC 3R3K-F	
L32 L34	6200004880 6200004510	S.COIL	MLR1608M 47NJ-T	
L35	6200004650	S.COIL	MLR1608M 68NJ-T	
L36	6200001960	S.COIL	ELJFC R56MF	
L37	6200005190	S.COIL	MLF1608D R56K-T	
L39	6200004440 6200004440	S.COIL S.COIL	ELJFC 4R7M-F ELJFC 4R7M-F	
L40 L41	6200004440	S.COIL	ELJFC 4R7M-F	
L43	6200001960	S.COIL	ELJFC R56MF	
L44	6200003540	S.COIL	MLF1608D R22K-T	
L45	6200004700	S.COIL	MLR1608M R10K-T	
L48	6200004510 6200004700	S.COIL S.COIL	MLR1608M 47NJ-T MLR1608M R10K-T	
L49	6200004700	S.COIL	MENIOCOM NIOK-I	
R2	7030003520	S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ)	
R3	7030003680	S.RESISTOR S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ) ERJ3GEYJ 473 V (47 kΩ)	
R4 R5	7030003840	S.RESISTOR	ERJ3GEYJ 181 V (180 Ω)	
R6	7030003330	S.RESISTOR	ERJ3GEYJ 224 V (220 kΩ)	
R7	7030003720	S.RESISTOR	ERJ3GEYJ 224 V (220 kΩ)	
R9	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)	
R10	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)	
R14	7030003340	S.RESISTOR S.RESISTOR	ERJ3GEYJ 151 V (150 Ω) ERJ3GEYJ 271 V (270 Ω)	
R15 R16	7030003370	S.RESISTOR	ERJ3GEYJ 180 V (18 Ω)	
R17	7030003370	S.RESISTOR	ERJ3GEYJ 271 V (270 Ω)	
R18	7030003370	S.RESISTOR	ERJ3GEYJ 271 V (270 Ω)	
R19	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)	
R21 R22	7030003390	S.RESISTOR S.RESISTOR	ERJ3GEYJ 391 V (390 Ω) ERJ3GEYJ 823 V (82 kΩ)	
R23	7030003400	S.RESISTOR	ERJ3GEYJ 471 V (470 Ω)	
R24	7030003480	S.RESISTOR	ERJ3GEYJ 222 V (2.2 kΩ)	
R25	7030003520	S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ)	
R26	7030003750	S.RESISTOR S.RESISTOR	ERJ3GEYJ 394 V (390 kΩ) ERJ3GEYJ 682 V (6.8 kΩ)	
R27 R28	7030003540	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)	
R29	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)	
R30	7030003600	S.RESISTOR	ERJ3GEYJ 223 V (22 kΩ)	
R31	7030003600	S.RESISTOR	ERJ3GEYJ 223 V (22 kΩ)	
R32	7030003590	S.RESISTOR S.RESISTOR	ERJ3GEYJ 183 V (18 kΩ) ERJ3EKF 4121 V (4.12 kΩ)	
R33 R34	7030004270	S.RESISTOR	RR0816R-363-D (36 kΩ)	
R35	7030003480	S.RESISTOR	ERJ3GEYJ 222 V (2.2 kΩ)	
R36	7030003460	S.RESISTOR	ERJ3GEYJ 152 V (1.5 kΩ)	
R37	7030004850	S.RESISTOR S.RESISTOR	ERJ3GEYF 913 V (91 kΩ) ERJ3GEYJ 101 V (100 Ω)	
R38 R39	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω) ERJ3GEYJ 224 V (220 kΩ)	
R40	7030003720	S.RESISTOR	ERJ3GEYJ 224 V (220 kΩ)	
R41	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)	
R42	7030003520	S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ)	
R43	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ) ERJ3GEYJ 472 V (4.7 kΩ)	
R47 R48	7030003520	S.RESISTOR S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)	
R49	7030003320	S.RESISTOR	ERJ3GEYJ 224 V (220 kΩ)	
R50	7030003670	S.RESISTOR	ERJ3GEYJ 823 V (82 kΩ)	
R51	7030003670	S.RESISTOR	ERJ3GEYJ 823 V (82 kΩ)	
R52	7030003670	S.RESISTOR	ERJ3GEYJ 823 V (82 kΩ)	
R55 R56	7030003320	S.RESISTOR S.RESISTOR	ERJ3GEYJ 101 V (100 Ω) ERJ3GEYJ 101 V (100 Ω)	
R57	7030003520	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)	
R58	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)	
R59	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)	
R60	7030003420	S.RESISTOR	ERJ3GEYJ 681 V (680 Ω)	
R61 R62	7030003450	S.RESISTOR S.RESISTOR	ERJ3GEYJ 122 V (1.2 kΩ) ERJ3GEYJ 472 V (4.7 kΩ)	
R63	7030003520	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)	
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MAIN UNIT] (IC-F35 only)				
REF. NO.	ORDER NO.		DESCRIPTION	
R64	7030004050	S.RESISTOR	ERJ3GEYJ 1R0 V (1 Ω)	
R65	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)	
R66	7030003660	S.RESISTOR	ERJ3GEYJ 683 V (68 kΩ) ERJ3GEYJ 103 V (10 kΩ)	
R67   R68	7030003560 7030003320	S.RESISTOR S.RESISTOR	ERJ3GEYJ 103 V (10 K2)	
R69	7030003320	S.RESISTOR	ERJ3GEYJ 331 V (330 Ω)	
R70	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)	
R71	7030003640	S.RESISTOR S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ) ERJ3GEYJ 473 V (47 kΩ)	
R72 R73	7030003640 7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kQ)	
R75	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)	
R76	7030003710	S.RESISTOR	ERJ3GEYJ 184 V (180 kΩ)	
R77 R78	7030003680 7030003720	S.RESISTOR S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ) ERJ3GEYJ 224 V (220 kΩ)	
R79	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)	
R80	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)	
R81	7030003670	S.RESISTOR S.RESISTOR	ERJ3GEYJ 823 V (82 kΩ) ERJ3GEYJ 683 V (68 kΩ)	
R82 R83	7030003660 7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)	
R93	7030003720	S.RESISTOR	ERJ3GEYJ 224 V (220 kΩ)	
R95	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)	
R96 R97	7030003320 7030003680	S.RESISTOR S.RESISTOR	ERJ3GEYJ 101 V (100 Ω) ERJ3GEYJ 104 V (100 kΩ)	
R98	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 KΩ)	
R99	7030003880	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)	
R100	7030003680	S.RESISTOR S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ) ERJ3GEYJ 224 V (220 kΩ)	
R101 R102	7030003720 7510000920	S.THERMISTOR	NTCCF2012 4CH 104KC-T	
R103	7030003620	S.RESISTOR	ERJ3GEYJ 333 V (33 kΩ)	
R104	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)	
R109 R111	7030003600 7030003580	S.RESISTOR S.RESISTOR	ERJ3GEYJ 223 V (22 kΩ) ERJ3GEYJ 153 V (15 kΩ)	
R112	7310003910	S.TRIMMER	MVR32HXBR N502 (5K)	
R113	7030003580	S.RESISTOR	ERJ3GEYJ 153 V (15 KΩ)	
R114 R115	7030003440 7030003550	S.RESISTOR S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ) ERJ3GEYJ 822 V (8.2 kΩ)	
R118	7030003550	S.RESISTOR	ERJ3GEYJ 1R0 V (1 Ω)	
R117	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 ΚΩ)	
R118 R119	7030003600 7030003560	S.RESISTOR S.RESISTOR	ERJ3GEYJ 223 V (22 kΩ) ERJ3GEYJ 103 V (10 kΩ)	
R119	7030003360	S.RESISTOR	ERJ3GEYJ 154 V (150 kΩ)	
R123	7030003620	S.RESISTOR	ERJ3GEYJ 333 V (33 kΩ)	
R124	7030003640 7030003700	S.RESISTOR S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ) ERJ3GEYJ 154 V (150 kΩ)	
R125 R126	7030003700	S.RESISTOR	ERJ3GEYJ 154 V (150 kΩ)	
R127	7030003470	S.RESISTOR	ERJ3GEYJ 182 V (1.8 KΩ)	
R129	7030003410	S.RESISTOR	ERJ3GEYJ 581 V (560 Ω) ERJ3GEYJ 823 V (82 kΩ)	
R130 R131	7030003670	S.RESISTOR S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)	
R132	7030003650	S.RESISTOR	ERJ3GEYJ 563 V (56 KΩ)	
R133	7030003650	S.RESISTOR	ERJ3GEYJ 563 V (56 kΩ) ERJ3GEYJ 473 V (47 kΩ)	
R134 R137	7030003640	S.RESISTOR S.RESISTOR	ERJ3GEYJ 473 V (47 KΩ) ERJ3GEYJ 101 V (100 Ω)	
R138	7030003520	S.RESISTOR	ERJ3GEYJ 223 V (22 kΩ)	
R139	7030003750	S.RESISTOR	ERJ3GEYJ 394 V (390 kΩ)	
R140	7030003830	S.RESISTOR S.RESISTOR	ERJ3GEYJ 185 V (1.8 MΩ) ERJ3GEYJ 122 V (1.2 kΩ)	
R141 R142	7030003450	S.RESISTOR	ERJ3GEYJ 334 V (330 kΩ)	
R143	7030003580	S.RESISTOR	ERJ3GEYJ 153 V (15 kΩ)	
R144	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)	
R145 R146	7030003680	S.RESISTOR S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ) ERJ3GEYJ 104 V (100 kΩ)	
R147	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)	
R148	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)	
R149	7510000860 7030003450	S.THERMISTOR S.RESISTOR	NTCCF2012 3FH 222KC-T ERJ3GEYJ 122 V (1.2 kΩ)	
R150 R151	7030003450	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)	
R154	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)	
R155	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)	
R156 R157	7030003560	S.RESISTOR S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ) ERJ3GEYJ 102 V (1 kΩ)	
R158	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)	
R159	7030003500	S.RESISTOR	ERJ3GEYJ 332 V (3.3 kΩ)	
R160 R161	7030003800	S.RESISTOR S.RESISTOR	ERJ3GEYJ 105 V (1 MΩ) ERJ3GEYJ 152 V (1.5 kΩ)	
R162	7030003460	S.RESISTOR	ERJ3GEYJ 100 V (10 Ω)	
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#### [MAIN UNIT] (IC-F35 only)

REF. NO.	ORDER NO.		DESCRIPTION
R163	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)
R164	7030003520	S.RESISTOR	ERJ3GEYJ 103 V (10 kQ)
R165	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kQ)
R167	7030003280	S.RESISTOR	ERJ3GEYJ 470 V (47 Ω)
R168	7030003530	S.RESISTOR	ERJ3GEYJ 562 V (5.6 kΩ)
R169	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R170	7030004040	S.RESISTOR	ERJ3GEYJ 4R7 V (4.7 Ω)
R171	7030003400	S.RESISTOR	ERJ3GEYJ 471 V (470 Ω)
R172	7030003200	S.RESISTOR	ERJ3GEYJ 100 V (10 Ω)
R173	7030004040	S.RESISTOR	ERJ3GEYJ 4R7 V (4.7 Ω)
R174	7030003630	S.RESISTOR	ERJ3GEYJ 393 V (39 kΩ)
R175	7030003580	S.RESISTOR	ERJ3GEYJ 153 V (15 kΩ)
R176	7030003530	S.RESISTOR	ERJ3GEYJ 562 V (5.8 kΩ)
R177	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R178	7030004040	S.RESISTOR	ERJ3GEYJ 4R7 V (4.7 Ω)
R179	7030003420	S.RESISTOR S.RESISTOR	ERJ3GEYJ 681 V (680 Ω)
R180 R181	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ) ERJ3GEYJ 221 V (220 Ω)
R183	7030003860	S.RESISTOR	ERJ3GEYJ 683 V (88 kQ)
R184	7030003660	S.RESISTOR	ERJ3GEYJ 821 V (820 Ω)
R185	7030003430	S.RESISTOR	ERJ3GEYJ 100 V (10 Ω)
R186	7030003250	S.RESISTOR	ERJ3GEYJ 822 V (8.2 kQ)
R187	7030003550	S.RESISTOR	ERJ3GEYJ 822 V (8.2 kΩ)
R188	7030003360	S.RESISTOR	ERJ3GEYJ 221 V (220 Ω)
R189	7030003370	S.RESISTOR	ERJ3GEYJ 271 V (270 Ω)
R190	7030003230	S.RESISTOR	ERJ3GEYJ 180 V (18 Ω)
R191	7030003370	S.RESISTOR	ERJ3GEYJ 271 V (270 Ω)
R192	7030003520	S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ)
R193	7030003520	S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ)
R194	7030003240	S.RESISTOR	ERJ3GEYJ 220 V (22 Ω)
R195	7030003500	S.RESISTOR	ERJ3GEYJ 332 V (3.3 kΩ)
R196	7030003460	S.RESISTOR	ERJ3GEYJ 152 V (1.5 kΩ)
R197	7030003290 7030003310	S.RESISTOR S.RESISTOR	ERJ3GEYJ 560 V (56 Ω) ERJ3GEYJ 820 V (82 Ω)
R198 R204	7030003310	S.RESISTOR	ERJ3GEYJ 105 V (1 MΩ)
R205	7030003800	S.RESISTOR	ERJ3GEYJ 105 V (1 MΩ)
R206	7030003800	S.RESISTOR	ERJ3GEYJ 105 V (1 MΩ)
R207	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R208	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R209	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R210	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R211	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R212	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R214	7030003880	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R215	7030003800	S.RESISTOR	ERJ3GEYJ 105 V (1 MΩ)
R216	7030003200 7030003820	S.RESISTOR S.RESISTOR	ERJ3GEYJ 100 V (10 Ω) ERJ3GEYJ 333 V (33 kΩ)
R217 R218	7030003820	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R221	7510000900	S.THERMISTOR	NTCCF2012 3SH 223KC-T
R222	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kQ)
R223	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R224	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R225	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 KΩ)
R226	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R227	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R228	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R229	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R230	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R231	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)
R232	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)
R233	7030003440 7030003440	S.RESISTOR S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R234 R235	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kQ) ERJ3GEYJ 102 V (1 kQ)
R236	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kQ)
R237	7030003440	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R238	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R239	7030003720	S.RESISTOR	ERJ3GEYJ 224 V (220 kΩ)
R240	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R241	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R242	7030003760	S.RESISTOR	ERJ3GEYJ 474 V (470 KΩ)
R243	7030003600	S.RESISTOR	ERJ3GEYJ 223 V (22 kΩ)
R244	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)
R245	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)
R246	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kQ)
R247	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R249	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
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#### IMAIN UNIT1 (IC-F35 only)

MAIN UNIT] (IC-F35 only)			
REF. NO.	ORDER NO.		DESCRIPTION
R250	7030003580	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R251	7030003830	S.RESISTOR	ERJ3GEYJ 185 V (1.8 MΩ)
R252	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R253 R254	7030003580 7030003640	S.RESISTOR S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R255	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ) ERJ3GEYJ 471 V (470 Ω)
R256	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kQ)
R257	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R258	7030003400	S.RESISTOR	ERJ3GEYJ 471 V (470 Ω)
R259 R260	7030003540 70300035 <b>6</b> 0	S.RESISTOR S.RESISTOR	ERJ3GEYJ 682 V (6.8 kΩ) ERJ3GEYJ 103 V (10 kΩ)
R261	7030003460	S.RESISTOR	ERJ3GEYJ 152 V (1.5 kQ)
R262	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kQ)
R263	7030003480	S.RESISTOR	ERJ3GEYJ 222 V (2.2 kΩ)
R264 R266	7030003640 7030003720	S.RESISTOR S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ) ERJ3GEYJ 224 V (220 kΩ)
R267	7030003720	S.RESISTOR	ERJ3GEYJ 473 V (47 kQ)
R268	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kQ)
R269	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)
R270	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R271 R273	7030003680 7030003680	S.RESISTOR S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ) ERJ3GEYJ 104 V (100 kΩ)
R274	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kQ)
R275	7030003530	S.RESISTOR	ERJ3GEYJ 562 V (5.6 kΩ)
R276	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R278 R279	7030003440 7030003440	S.RESISTOR S.RESISTOR	ERJ3GEYJ 102 V (1 kQ) ERJ3GEYJ 102 V (1 kQ)
R280	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kQ)
R281	7030004050	S.RESISTOR	ERJ3GEYJ 1R0 V (1 Ω)
R282	7030004050	S.RESISTOR	ERJ3GEYJ 1R0 V (1 Ω)
R283	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)
R284 R285	7030003540 7030003560	S.RESISTOR S.RESISTOR	ERJ3GEYJ 682 V (6.8 kΩ) ERJ3GEYJ 103 V (10 kΩ)
R286	7030004040	S.RESISTOR	ERJ3GEYJ 4R7 V (4.7 Ω)
R287	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R288	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R289 R290	7030003680 7030003620	S.RESISTOR S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ) ERJ3GEYJ 333 V (33 kΩ)
R290	7030003820	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)
R293	7030003600	S.RESISTOR	ERJ3GEYJ 223 V (22 kQ)
R294	7030003480	S.RESISTOR	ERJ3GEYJ 222 V (2.2 kΩ)
R296 R298	7030003520 7030003440	S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ) ERJ3GEYJ 102 V (1 kΩ)
R299	7030003440	S.RESISTOR S.RESISTOR	ERJ3GEYJ 102 V (1 k2) ERJ3GEYJ 104 V (100 kΩ)
R301	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R303	7030003370	S.RESISTOR	ERJ3GEYJ 271 V (270 Ω)
R304	7030003480	S.RESISTOR	ERJ3GEYJ 222 V (2.2 kQ)
R305 R306	7030003590 7030003640	S.RESISTOR S.RESISTOR	ERJ3GEYJ 183 V (18 kΩ) ERJ3GEYJ 473 V (47 kΩ)
R307	7030003040	S.RESISTOR	ERJ3GEYJ 560 V (56 Ω)
R308	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
C1	4030006850	S.CERAMIC	C1608 JB 1H 471K-T-A
C2	4030006850	S.CERAMIC	C1608 JB 1H 471K-1-A C1608 CH 1H 090D-T-A
C3	4030007010	S.CERAMIC	C1608 CH 1H 100D-T-A
C4	4030007050	S.CERAMIC	C1608 CH 1H 220J-T-A
C5	4030007020	S.CERAMIC	C1608 CH 1H 120J-T-A
C6 C7	4030006970 4030006860	S.CERAMIC S.CERAMIC	C1608 CH 1H 060D-T-A C1608 JB 1H 102K-T-A
C10	4030007090	S.CERAMIC	C1608 CH 1H 470J-T-A
C11	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C12	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C13	4030006860	S.CERAMIC	C1808 JB 1H 102K-T-A
C14	4610001900 4610001910	S.TRIMMER S.TRIMMER	CTZ3E-05A-W1 [L-band] CTZ3E-10A-W1 [H-band]
C18	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C17	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C18	4030006850	S.CERAMIC	C1608 JB 1H 471K-T-A
C19	4030007080	S.CERAMIC	C1608 CH 1H 390J-T-A [L-band]
	4030007090	S.CERAMIC	C1608 CH 1H 470J-T-A [H-band]
C20 C21	4030006860 4030006860	S.CERAMIC S.CERAMIC	C1608 JB 1H 102K-T-A C1608 JB 1H 102K-T-A

MAIN UNIT] (IC-F35 only)			
REF.	ORDER NO.		DESCRIPTION
NO.	NO.		
C22	4030007070	S.CERAMIC	C1608 CH 1H 330J-T-A [L-band]
	4030007120	S.CERAMIC	C1608 CH 1H 820J-T-A [H-band]
C23	4030006900	S.CERAMIC	C1808 JB 1E 103K-T-A
C24	4030006860 4030010740	S.CERAMIC S.CERAMIC	C1608 JB 1H 102K-T-A C1608 JB 1A 104K-T-A
C25 C26	4610001900	S.TRIMMER	CTZ3E-05A-W1 [L-band]
020	4610001910	S.TRIMMER	CTZ3E-10A-W1 [H-band]
C27	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C30	4030007010	S.CERAMIC	C1608 CH 1H 100D-T-A [L-band]
	4030009550	S.CERAMIC	C1608 CH 1H 2R5B-T-A [H-band]
C31	4030006860	S.CERAMIC S.CERAMIC	C1608 JB 1H 102K-T-A C1608 CH 1H 200J-T-A
C32 C33	4030009990 4030006860	S.CERAMIC S.CERAMIC	C1608 JB 1H 102K-T-A
C34	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C35	4030007090	S.CERAMIC	C1608 CH 1H 470J-T-A
C36	4030007020	S.CERAMIC	C1608 CH 1H 120D-T-A
	4030007010	S.CERAMIC	[L-band] C1608 CH 1H 100D-T-A
C37	4030007010	S.CERAMIC	[H-band] C1608 CH 1H 100D-T-A
C38	4030007010	S.CERAMIC	C1608 CH 1H 100D-T-A
C39	4030007010	S.CERAMIC	C1808 CH 1H 100D-T-A
C40	4030006960	S.CERAMIC	C1608 CH 1H 050C-T-A
C41	4030006860	S.CERAMIC	C1808 JB 1H 102K-T-A
C42 C43	4030007030 4030006860	S.CERAMIC S.CERAMIC	C1608 CH 1H 150J-T-A C1608 JB 1H 102K-T-A
C44	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C45	4030007090	S.CERAMIC	C1608 CH 1H 470J-T-A
C46	4550002890	S.TANTALUM	TESVA 1A 225M1-8L
C47	4030006860 4030007120	S.CERAMIC S.CERAMIC	C1608 JB 1H 102K-T-A C1608 CH 1H 820J-T-A
C48 C49	4030007120	S.CERAMIC	C1608 CH 1H 101J-T-A
C50	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C51	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C54 C55	4030006980 4030007030	S.CERAMIC S.CERAMIC	C1608 CH 1H 070D-T-A C1608 CH 1H 150J-T-A
C56	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C57	4030007150	S.CERAMIC	C1608 CH 1H 151J-T-A
C58	4030007150	S.CERAMIC	C1608 CH 1H 151J-T-A
C59 C60	4030006850 4030011310	S.CERAMIC S.CERAMIC	C1608 JB 1H 471K-T-A C2012 JB 1A 564K-T-A
C61	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C64	4030006860	S.CERAMIC	C1808 JB 1H 102K-T-A
C65	4550002890	S.TANTALUM	TESVA 1A 225M1-8L
C66 C67	4030008850 4030008920	S.CERAMIC S.CERAMIC	C1608 JB 1H 471K-T-A C1608 JB 1C 473K-T-A
C68	4030008920	S.CERAMIC	C1608 JB 1C 473K-T-A
C69	4030008920	S.CERAMIC	C1608 JB 1C 473K-T-A
C70	4030008920	S.CERAMIC	C1608 JB 1C 473K-T-A
C71 C72	4030008920 4030010740	S.CERAMIC S.CERAMIC	C1608 JB 1C 473K-T-A C1608 JB 1A 104K-T-A
C75	4550002890	S.TANTALUM	TESVA 1A 225M1-8L
C76	4030010740	S.CERAMIC	C1608 JB 1A 104K-T-A
C78	4030010740	S.CERAMIC	C1608 JB 1A 104K-T-A
C79 C80	4550002890 4030006860	S.TANTALUM S.CERAMIC	TESVA 1A 225M1-8L C1608 JB 1H 102K-T-A
C81	4030008870	S.CERAMIC	C1608 JB 1C 183K-T-A
C82	4030010740	S.CERAMIC	C1608 JB 1A 104K-T-A
C83	4030006850	S.CERAMIC	C1608 JB 1H 471K-T-A
C87	4550002890	S.TANTALUM	TESVA 1A 225M1-8L
C89 C90	4030010740 4030006870	S.CERAMIC S.CERAMIC	C1608 JB 1A 104K-T-A C1608 JB 1H 222K-T-A
C90	4550006250	S.TANTALUM	TEMSVA 1A 108M-8L
C92	4030006900	S.CERAMIC	C1608 JB 1E 103K-T-A
C93	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C94	4550006720	S.TANTALUM	TEMSVC 1A 478M-12L
C95 C96	4030006860 4030009660	S.CERAMIC S.CERAMIC	C1608 JB 1H 102K-T-A C1608 JF 1C 224Z-T-A
C97	4030010740	S.CERAMIC	C1608 JB 1A 104K-T-A
C98	4030008880	S.CERAMIC	C1608 JB 1C 223K-T-A
C99	4030010740	S.CERAMIC	C1608 JB 1A 104K-T-A
C100	4550002890	S.TANTALUM	TESVA 1A 225M1-8L

REF. NO.	ORDER NO.	DESCRIPTION	
C101	4030006900	S.CERAMIC	C1608 JB 1E 103K-T-A
C102	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C103	4030006900	S.CERAMIC	C1608 JB 1E 103K-T-A
C104	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C105	4550002890	S.TANTALUM	TESVA 1A 225M1-8L
C106	4030010740	S.CERAMIC	C1608 JB 1A 104K-T-A
C113	4550002890	S.TANTALUM	TESVA 1A 225M1-8L
C114	4550002890	S.TANTALUM	TESVA 1A 225M1-8L
C115	4030010740	S.CERAMIC	C1608 JB 1A 104K-T-A
C116	4030009880	S.CERAMIC S.CERAMIC	C1608 JB 1H 682K-T-A C1608 JB 1C 473K-T-A
C117 C118	4030008920	S.CERAMIC	C1608 CH 1H 391J-T-A
C119	4030011310	S.CERAMIC	C2012 JB 1A 564K-T-A
C122	4030008860	S.CERAMIC	C1608 JB 1H 102K-T-A
C123	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C125	4550002980	S.TANTALUM	TEMSVA 1C 225M-8L
C126	4030010740	S.CERAMIC	C1608 JB 1A 104K-T-A
C127	4550000550	S.TANTALUM	TESVA 1V 224M1-8L
C128	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C129	4550002890	S.TANTALUM	TESVA 1A 225M1-8L
C130	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C131	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C132	4550006480	S.TANTALUM	TEMSVA 1C 475M-8L
C134	4030011310	S.CERAMIC	C2012 JB 1A 564K-T-A
C136	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C137	4030006850	S.CERAMIC	C1608 JB 1H 471K-T-A
C138	4030006850	S.CERAMIC S.CERAMIC	C1608 JB 1H 471K-T-A C1608 JB 1H 102K-T-A
C139 C140	4030006860	S.CERAMIC	C1808 CH 1H 270J-T-A
C140	4030007000	S.CERAMIC	C1808 JB 1H 102K-T-A
C143	4030007030	S.CERAMIC	C1608 CH 1H 150J-T-A
C144	4030007030	S.CERAMIC	C1608 CH 1H 150J-T-A
C145	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C146	4550006250	S.TANTALUM	TEMSVA 1A 108M-8L
C147	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C148	4030007090	S.CERAMIC	C1608 CH 1H 470J-T-A
C149	4030009500	S.CERAMIC	C1608 CH 1H 0R5B-T-A
C150	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C151	4030009350	S.CERAMIC	C1608 CH 1H 3R5B-T-A
C152	4030007090	S.CERAMIC S.CERAMIC	C1608 CH 1H 470D-T-A [L-band] C1608 CH 1H 220J-T-A
C153	4030007030	S.CERAMIC	[H-band] C1608 CH 1H 150D-T-A
0133	4030007020	S.CERAMIC	[L-band] C1608 CH 1H 120J-T-A
C154	4030007030	S.CERAMIC	[H-band] C1608 CH 1H 150D-T-A
	4030007020	S.CERAMIC	[L-band] C1608 CH 1H 120J-T-A
C155	4020000000	S.CERAMIC	[H-band] C1608 JB 1H 102K-T-A
C155 C156	4030006860	S.CERAMIC	C1808 CH 1H 0R5B-T-A
C156	4030009300	S.CERAMIC	C1808 JB 1H 102K-T-A
C160	4030006850	S.CERAMIC	C1608 JB 1H 471K-T-A
C161	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C162	4030007040	S.CERAMIC	C1608 CH 1H 180J-T-A
C163	4030007030	S.CERAMIC	C1608 CH 1H 150J-T-A
C165	4030007030	S.CERAMIC	C1608 CH 1H 150J-T-A
C166	4030007090	S.CERAMIC	C1608 CH 1H 470J-T-A
C167	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C168	4030007010	S.CERAMIC	C1608 CH 1H 100D-T-A
C169	4030007010	S.CERAMIC	C1608 CH 1H 100D-T-A
C170	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C171	4030006860	S.CERAMIC S.CERAMIC	C1608 JB 1H 102K-T-A C1608 JB 1H 471K-T-A

C1608 JB 1H 471K-T-A

C1608 CH 1H 180J-T-A

C1608 CH 1H 180J-T-A

C1608 CH 1H 180J-T-A

C1608 JB 1H 102K-T-A

C1608 JB 1H 102K-T-A

C1608 JB 1H 102K-T-A

C1608 CH 1H 330J-T-A

C1608 JB 1H 102K-T-A

C1608 JB 1H 102K-T-A

C1608 JB 1H 102K-T-A

C172

C173

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C177

C178

C179

C180

C181 C182 4030006850 S.CERAMIC

4030007040 S.CERAMIC

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#### REF. ORDER DESCRIPTION NO. NO. 4550002890 S.TANTALUM TESVA 1A 225M1-8L C183 C191 4030007070 S.CERAMIC C1608 CH 1H 330J-T-A S.CERAMIC C192 4030007020 C1608 CH 1H 120J-T-A 4030009650 S.CERAMIC C1608 CH 1H 240J-T-A C193 C194 4030008920 S.CERAMIC C1608 JB 1C 473K-T-A C195 4030010740 S.CERAMIC C1608 JB 1A 104K-T-A 4030007090 S.CERAMIC C1608 CH 1H 470J-T-A C196 C197 4030010740 S.CERAMIC C1608 JB 1A 104K-T-A S.CERAMIC C1608 JB 1C 183K-T-A C199 4030008870 C200 4030008920 S.CERAMIC C1608 JB 1C 473K-T-A C201 4550002890 S.TANTALUM TESVA 1A 225M1-8L 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C202 C203 4550002890 S.TANTALUM TESVA 1A 225M1-8L C204 4550006250 S.TANTALUM TEMSVA 1A 108M-8L 4030010740 S.CERAMIC C1608 JB 1A 104K-T-A C206 C207 4550006250 S.TANTALUM TEMSVA 1A 106M-8L C208 4550000510 S.TANTALUM TESVA 1V 473M1-8L C209 4030006900 S.CERAMIC C1608 JB 1E 103K-T-A 4030007140 C1608 CH 1H 121J-T-A C210 S.CERAMIC C211 4030006870 S.CERAMIC C1608 JB 1H 222K-T-A 4550006250 S.TANTALUM TEMSVA 1A 106M-8L C212 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C213 C214 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A S.CERAMIC C215 4030007090 C1608 CH 1H 470J-T-A 4030007090 S.CERAMIC C1608 CH 1H 470J-T-A C216 C217 4030010740 S.CERAMIC C1608 JB 1A 104K-T-A C218 4030008870 S.CERAMIC C1608 JB 1C 183K-T-A 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C219 C220 4030008870 S.CERAMIC C1608 JB 1C 183K-T-A C221 4030006850 S.CERAMIC C1608 JB 1H 471K-T-A C222 4030006850 S.CERAMIC C1608 JB 1H 471K-T-A C223 4550002890 S.TANTALUM TESVA 1A 225M1-8L C224 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C226 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C1608 JB 1H 102K-T-A C227 4030006860 S.CERAMIC C228 4030007050 S.CERAMIC C1608 CH 1H 220J-T-A C229 4030006980 S.CERAMIC C1608 CH 1H 070D-T-A 4030007110 C1608 CH 1H 680J-T-A C230 S.CERAMIC C232 4550006250 S.TANTALUM **TEMSVA 1A 106M-8L** C233 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C234 4550000270 TESVA 1E 474M1-8L S.TANTALUM C235 4030010740 S.CERAMIC C1608 JB 1A 104K-T-A C237 4550008250 S.TANTALUM **TEMSVA 1A 106M-8L** C1608 JB 1H 102K-T-A C238 4030006860 S.CERAMIC C239 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A 4030006860 C240 S.CERAMIC C1608 JB 1H 102K-T-A C2012 JB 1A 564K-T-A C241 4030011310 S.CERAMIC C243 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A 4030007090 C244 S.CERAMIC C1608 CH 1H 470J-T-A C245 4030006850 S.CERAMIC C1808 JB 1H 471K-T-A C1608 JB 1H 102K-T-A 4030006860 C246 S CERAMIC C247 4030006900 S.CERAMIC C1608 JB 1E 103K-T-A C248 4030006850 S.CERAMIC C1608 JB 1H 471K-T-A 4550006480 S.TANTALUM TEMSVA 1C 475M-8L C249 [L-band] only C250 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C251 4550006250 S.TANTALUM TEMSVA 1A 108M-8L C252 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C253 4550006250 S.TANTALUM TEMSVA 1A 106M-8L 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C258 C259 4550006250 S.TANTALUM TEMSVA 1A 108M-8L C260 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C281 4550006250 S.TANTALUM TEMSVA 1A 108M-8L C262 4550002890 S.TANTALUM TESVA 1A 225M1-8L C263 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C264 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C265 4550002890 S.TANTALUM TESVA 1A 225M1-8L C266 4550006250 S.TANTALUM TEMSVA 1A 106M-8L C269 4550003220 S.TANTALUM TEMSVA 1E 105M-8L C270 4550003220 S.TANTALUM TEMSVA 1E 105M-8L C271 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A 4550003220 S.TANTALUM TEMSVA 1E 105M-8L C272 C273 4030008680 S.CERAMIC C2012 JF 1C 105Z-T-A C274 4030007130 S.CERAMIC C1608 CH 1H 101J-T-A C2012 JF 1C 105Z-T-A C275 4030008680 S.CERAMIC C276 4030010740 S.CERAMIC C1608 JB 1A 104K-T-A

#### [MAIN UNIT] (IC-F35 only)

[MAIN U	MAIN UNIT] (IC-F35 only)				
REF. NO.	ORDER NO.		DESCRIPTION		
C277	4030008680	S.CERAMIC	C2012 JF 1C 105Z-T-A		
C278	4550008250	S.TANTALUM	TEMSVA 1A 106M-8L		
C279	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A		
C280	4030007060	S.CERAMIC	C1608 CH 1H 270J-T-A		
C281	4030008560	S.CERAMIC	C1608 CH 1H 300D-T-A		
1			[L-band]		
	4030007060	S.CERAMIC	C1608 CH 1H 270J-T-A [H-band]		
C283	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A		
C284	4030011310	S.CERAMIC	C2012 JB 1A 564K-T-A		
C286	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A		
C287	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A		
C289	4030009540	S.CERAMIC	C1608 CH 1H 1R5B-T-A		
C293	4030006980	S.CERAMIC	C1608 CH 1H 070D-T-A		
C294	4030006900	S.CERAMIC	C1608 JB 1E 103K-T-A		
C295	4550006250	S.TANTALUM	TEMSVA 1A 106M-8L		
C296	4030006960	S.CERAMIC	C1608 CH 1H 050C-T-A		
C297	4030006900	S.CERAMIC	C1608 JB 1E 103K-T-A		
C298	4550006250	S.TANTALUM	TEMSVA 1A 106M-8L		
C299	4550006250	S.TANTALUM	TEMSVA 1A 106M-8L		
C301	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A		
C302	4030007090	S.CERAMIC	C1608 CH 1H 470J-T-A		
C303	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A		
C304	4030007090	S.CERAMIC	C1608 CH 1H 470J-T-A		
C305	4030007090	1			
C306			C1608 CH 1H 470J-T-A		
C307		550006110   S.TANTALUM TEMSVB2 0J 336N			
C308	4030010740	S.CERAMIC	C1608 JB 1A 104K-T-A		
C309	4030010740	S.CERAMIC	C1608 JB 1A 104K-T-A		
C315	4030007020	S.CERAMIC	C1608 CH 1H 120J-T-A		
C316	4030010740	S.CERAMIC	C1608 JB 1A 104K-T-A		
C317	4030010740	S.CERAMIC	C1608 JB 1A 104K-T-A		
C318	4030010740	S.CERAMIC	C1608 JB 1A 104K-T-A		
C319	4030007090	S.CERAMIC	C1608 CH 1H 470J-T-A		
C320	4030007090	S.CERAMIC	C1608 CH 1H 470J-T-A		
C321	4030007090	S.CERAMIC S.CERAMIC	C1608 CH 1H 470J-T-A C1608 JB 1H 102K-T-A		
C322 C323	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A		
C323	4030006860	S.CERAMIC S.CERAMIC	C1608 JB 1H 102K-T-A		
C325	4550008080	S.TANTALUM	TEMSVB2 1C 106M-8L		
C326	4030010740	S.CERAMIC	C1608 JB 1A 104K-T-A		
C335	4030006900	S.CERAMIC	C1608 JB 1E 103K-T-A		
C336	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A		
	40000000	0.021711110	OTOGO OD TIT TOZK T A		
S1	2230000980	switch	SKHLLB		
J1	6510019190	S.CONNECTOR	52365-0891		
J2	6510019770	S.CONNECTOR	FH12-15S-0.5SV		
J3	6510018410	S.CONNECTOR	53263-0690		
J4	6510019770	S.CONNECTOR			
J5	6510018430	S.CONNECTOR	AXN330C038P		
W1	7030003860	S.JUMPER	ERJ3GE JPW V		
W2	7030003860	S.JUMPER	ERJ3GE JPW V		
EP1	0910046475	РСВ	B 4664E		

#### [PTT BOARD] (Common)

REF. NO.	ORDER NO.		DESCRIPTION
S1	2260002280	s.switch	EVQPA101K
S2	2260002280	S.SWITCH	EVQPA101K
S4	2260002280	S.SWITCH	EVQPA101K
J1	8510017600	S.CONNECTOR	52357-0690
EP1	0910048427	РСВ	B 3990G

# [EF BOARD] (Common)

REF. NO.	ORDER NO.	DESCRIPTION		
FI1 FI2	2040000790 2040000790	S.LC S.LC	EXCCET103U EXCCET103U	
C1 C2	4030006860 4030006860	S.CERAMIC S.CERAMIC	C1608 JB 1H 102K-T-A C1608 JB 1H 102K-T-A	
F1	5210000550	S.FUSE	TR3216CP-3	
EP1	0910047411	РСВ	B 4666A	

# [FRONT UNIT] (Common)

REF. NO.	ORDER NO.	DESCRIPTION	
MC1	7700001820	MICROPHONE EM-123H	

# [TENKEY BOARD] (Common)

REF. NO.	ORDER NO.	DESCRIPTION	
IC1	1140004230	S.IC	HD404812A44H
۹.			
X1	6060000550	S.CERAMIC	PBRC 3.58AR
R1	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R2	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R3	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ ) ERJ3GEYJ 104 V (100 kΩ )
R4	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ )
R5	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ )
R6	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 KΩ )
R7	7030003800	S.RESISTOR	ERJ3GEYJ 272 V (2.7 kΩ )
R8	7030003490	S.RESISTOR S.RESISTOR	ERJ3GEYJ 272 V (2.7 kΩ )
R9	7030003490	S.RESISTOR	ERJ3GEYJ 272 V (2.7 kΩ )
R10	7030003490 7030003490	S.RESISTOR	ERJ3GEYJ 272 V (2.7 kΩ )
R11	7030003490	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R12	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ )
R13 R14	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
i .	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R15 7030003560 R16 7030003670		S.RESISTOR	ERJ3GEYJ 823 V (82 kΩ )
R17	7030003070	S.RESISTOR	ERJ3GEYJ 224 V (220 kΩ )
R18	7030003720	S.RESISTOR	ERJ3GEYJ 221 V (220 Ω )
R19	7030003300	S.RESISTOR	ERJ3GEYJ 681 V (680 Ω )
R20	7030003420	S.RESISTOR	ERJ3GEYJ 681 V (680 Ω )
R21	7030003420	S.RESISTOR	ERJ3GEYJ 821 V (820 Ω )
R22	7030003480	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R23	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R24	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)
1127	7000000020	0.1120101011	2.10002.0101.1(100.22)
C1	4030006850	S.CERAMIC	C1608 JB 1H 471K-T-A
C2	4030008630	S.CERAMIC	C1608 JF 1C 104Z-T-A
C3	4550006110	S.TANTALUM	TEMSVB2 0J 336M8L
C4	4030007070	S.CERAMIC	C1608 CH 1H 330J-T-A
C5	4030007070	S.CERAMIC	C1608 CH 1H 330J-T-A
Св	4030008630	S.CERAMIC	C1608 JF 1C 104Z-T-A
C7	4030008630	S.CERAMIC	C1608 JF 1C 104Z-T-A
C8	4030008630	S.CERAMIC	C1608 JF 1C 104Z-T-A
C9	4030008630	S.CERAMIC	C1608 JF 1C 104Z-T-A
C10	4550008110	S.TANTALUM	TEMSVB2 0J 336M8L
C11	4030007130	S.CERAMIC	C1608 CH 1H 101J-T-A
C13	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
1	1	1	

#### [TENKEY BOARD] (Common)

REF. NO.	ORDER NO.	DESCRIPTION		
DS1	5010000120	S.LED	LN1371G-(TR)	
DS2	5010000120	S.LED	LN1371G-(TR)	
DS3	5010000120	S.LED	LN1371G-(TR)	
DS4	5010000120	S.LED	LN1371G-(TR)	
DS5	5040001950	S.LED	SML-110LT T86	
DS6	5030001380	LCD	LD-B4548J	
DS7	5010000160	S.LED	LNJ310M6URA	
DS8	5010000160	S.LED	LNJ310M6URA	
J1	6510019780	S.CONNECTOR	FH12A-15S-0.5SH	
W1	7030003860	S.JUMPER	ERJ3GE JPW V	
W2	7030003860	S.JUMPER	ERJ3GE JPW V	
W3	7030003860	S.JUMPER	ERJ3GE JPW V	
W4	8900007190	CABLE	ERJ3GE JPW V	
EP1	0910047403	PCB	B 4665C	
EP3	8930034750	LCD CONTACT	SRCN-1556 ZSS	

# [MODEM UNIT] (Common)

REF. NO.	ORDER NO.	DESCRIPTION		
EP1	optional product	UNIT BOARD	UT-103	

#### [PA UNIT] (IC-F45 only)

REF. NO.	ORDER NO.		DESCRIPTION	
IC1	1150001290	IC	M57786L	[L-band]
	1150001440	IC	M57786M/SC1274	[H-band]
D1	1790000670	S.DIODE	SB07-03C-TB	
D2	1790000450	S.DIODE	MA862(TX)	
D3	1790001210	S.DIODE	1SS375-TL	
D4	1790001210	S.DIODE	1SS375-TL	
D5	1790001210	S.DIODE	1SS375-TL	
L1	6200003960	s.coil	MLF1608A 1R0K-T	
L4	6200004440	S.COIL	ELJFC 4R7M-F	
L5	6200001640	S.COIL	ELJNC 10NK-F	
L6	6200001640	S.COIL	ELJNC 10NK-F	
L7	6200005780	S.COIL	33CS-Y655LY-03K=	P3
L8	6200005780	S.COIL	33CS-Y655LY-03K=	P3
L9	6200005770	S.COIL	33CS-Y655LY-04K=	P3
L10	6200003770	S.COIL	DCS3220-045A TR	
L11	6200007140	S.COIL	BLM11B601S	
		a projetop	MOD4057U1400 O	(101)
R1	7030000270	S.RESISTOR	MCR10EZHJ 120 Ω	
R2	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (1	,
R3	7030003280	S.RESISTOR	ERJ3GEYJ 470 V (4	•
R4	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (1 ERJ3GEYJ 101 V (1	
R5	7030003320	S.RESISTOR		
R6	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1	•
R7	7030004050	S.RESISTOR	ERJ3GEYJ 1R0 V (	1 52 )
C1	4030009580	S.CERAMIC	C1608 JB 1H 681K-	T-A
C2	4030009580	S.CERAMIC	C1608 JB 1H 681K-	·T-A
C3	4030009520	S.CERAMIC	C1808 CH 1H 020B	-T-A
C4	4030006860	S.CERAMIC	C1608 JB 1H 102K-	·T-A
C5	4030006860	S.CERAMIC	C1608 JB 1H 102K-	
C6	4030006860	S.CERAMIC	C1608 JB 1H 102K-	
C7	4550006250	S.TANTALUM	TEMSVA 1A 106M-	8L

#### [PA UNIT] (IC-F45 only)

[PA UNIT] (IC-F45 only)				
REF. NO.	ORDER NO.		DESCRIPTION	
C8	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A	
C9	4030007090	S.CERAMIC	C1608 CH 1H 470J-T-A	
C10	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A	
C11	4550006250	S.TANTALUM	TEMSVA 1A 106M-8L	
C12	4030006850	S.CERAMIC	C1608 JB 1H 471K-T-A	
C13	4030007090	S.CERAMIC	C1608 CH 1H 470J-T-A	
C14	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A	
C15	4550006250	S.TANTALUM	TEMSVA 1A 106M-8L	
•			[L-band]	
	4550006480	S.TANTALUM	TEMSVA 1C 475M-8L	
C16	4030007090	S.CERAMIC	[H-band] C1608 CH 1H 470J-T-A	
C17	4030007090	S.CERAMIC S.CERAMIC	C1608 JB 1E 103K-T-A	
C17	4030006860	S.CERAMIC S.CERAMIC	C1608 JB 1H 102K-T-A	
C19	4030009500	S.CERAMIC	C1608 CH 1H 0R5B-T-A	
C20	4030009300	S.CERAMIC	C1608 CH 1H 330J-T-A	
C21	4030007070	S.CERAMIC	C1608 JB 1H 102K-T-A	
C23	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A	
C23	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A	
C26	4030009910	S.CERAMIC	C1608 3B 1H 102R-1-A	
C20	4030009910	S.CERAMIC	C1608 CH 1H 040B-T-A	
C28	4030009910	S.CERAMIC	C1608 JB 1H 102K-T-A	
C29	4030009910	S.CERAMIC	C1608 CH 1H 040B-T-A	
C30	4030009550	S.CERAMIC	C1608 CH 1H 2R5B-T-A	
C31	4030009330	S.CERAMIC	C1608 CH 1H 090D-T-A	
C32	4030007000	S.CERAMIC	C1608 CH 1H 050B-T-A	
C33	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A	
C34	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A	
C35	4030009520	S.CERAMIC	C1608 CH 1H 020B-T-A	
***		0.02	[L-band]	
	4030009540	S.CERAMIC	C1608 CH 1H 1R5B-T-A	
			[H-band]	
C36	4030006850	S.CERAMIC	C1608 JB 1H 471K-T-A	
C37	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A	
C38	4030007090	S.CERAMIC	C1608 CH 1H 470J-T-A	
C39	4030007090	S.CERAMIC	C1608 CH 1H 470J-T-A	
C40	4030007090	S.CERAMIC	C1608 CH 1H 470J-T-A	
C41	4030007090	S.CERAMIC	C1608 CH 1H 470J-T-A C1608 CH 1H 470J-T-A	
C42	4030007090	S.CERAMIC S.CERAMIC	C1608 CH 1H 470J-T-A	
C43	4030007090	1		
C47	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A	
J1	6510016370 6510019770	S.CONNECTOR S.CONNECTOR	AXR91010301 FH12-15S-0.5SV	
J2 W1	8900007180	CABLE	OPC-896	
EP1	0910048124	РСВ	B 4672D	

#### [LPF BOARD] (IC-F45 only)

REF. NO.	ORDER NO.		DESCRIPTION
D1	1790000450	S.DIODE	MA862(TX)
D2	1790000670	S.DIODE	SB07-03C-TB
L1	6200003300	S.COIL	ELJNC R22K-F
L2	6200001760	S.COIL	ELJNC 22NK-F
L3	6200001760	S.COIL	ELJNC 22NK-F
L4	6200003050	S.COIL	NL 322522T-R82J-3
R1	7030000370	S.RESISTOR	MCR10EZHJ 820 $\Omega$ (821)
R2	7030000110	S.RESISTOR	MCR10EZHJ 5.6 $\Omega$ (5R6)
R3	7030000370	S.RESISTOR	MCR10EZHJ 820 $\Omega$ (821)
C1	4030007100	S.CERAMIC	C1608 CH 1H 560J-T-A
C2	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A

# [LPF BOARD] (IC-F45 only)

REF. NO.	ORDER NO.	DESCRIPTION		
C3	4030009520	S.CERAMIC	C1608 CH 1H 020B-T-A	
C4	4030009910	S.CERAMIC	C1608 CH 1H 040B-T-A	
C5	4030007090	S.CERAMIC	C1608 CH 1H 470J-T-A	
J1	6510019200	S.CONNECTOR	53268-0891	
EP1	6910006550	LEADFRAM	HFB2.0-0.9-8 (K)	
EP2	0910048434	PCB	B 4668D	

# [ANT BOARD] (IC-F45 only)

REF. NO.	ORDER NO.		DESCRIPTION	
L1	6200002320 6200002330	S.COIL S.COIL	LQN 1A 8N8J04 LQN 1A 15NJ04	[L-band] [H-band]
EP1	0910047861	РСВ	B 4675A	

#### [MAIN UNIT] (IC-F45 only)

REF. NO.	ORDER NO.		DESCRIPTION
IC1	1110003490	S.IC	TA31136FN(D,EL)
IC2	1130006920	S.IC	TA75W01FU (TE12L)
IC3	1130006920	S.IC	TA75W01FU (TE12L)
IC4	1130006920	s.ic	TA75W01FU (TE12L)
IC5	1110002420	S.IC	NJM2073M(T1)
IC6	1110002750	S.IC	TA75S01F (TE85R)
IC7	1190000350	S.IC	M62363FP-650C
IC8	1130006920	S.IC	TA75W01FU (TE12L)
IC9	1130007300	S.IC	TC4W66FU(TE12L)
IC10	1130007610	S.IC	μPD3140GS-E1 (DS8)
IC12	1110003410	S.IC	µРС5023GR-043-GJG-T2
IC13	1130006220	S.IC	TC4W53FU (TE12L)
IC14	1110002750	s.ic	TA75S01F (TE85R)
IC15	1130007110	S.IC	TC7W04FU(TE12L)
IC18	1190000340	S.IC	X25160S(5V)
IC17	1140003750	S.IC	HD6473877H (Z-TAT)
IC18	1130007110	S.IC	TC7W04FU(TE12L)
IC19	1110003500	s.ic	S-80742SL-A6-T1
IC20	1180001080	s.ic	S-81250PG-PD-T1
IC21	1110003800	S.IC	NJM2904V-TE1
IC22	1190000490	S.IC	X25642S8I-2.76T
	450000000		anicasaya Ti
Q1	1580000610	S.FET	3SK239XR-TL
Q2	1580000490	S.FET	3SK166-2-T7
Q3	1530002920	S.TRANSISTOR	2SC4226-T2 R25
Q4	1530002600	S.TRANSISTOR	2SC4215-O (TE85R)
Q5	1530002060	S.TRANSISTOR	2SC4081 T107 R
Q6	1590000990	S.TRANSISTOR	DTC363EK T147
Q9	1520000450	S.TRANSISTOR	2SB1132 T100 Q
Q10	1530002060	S.TRANSISTOR	2SC4081 T107 R
Q11	1590000720	S.TRANSISTOR	DTA144EU T107
Q13	1530002060	S.TRANSISTOR	2SC4081 T107 R
Q14	1530002060	S.TRANSISTOR	2SC4081 T107 R
Q17	1560000540	S.FET	2SK880-Y (TE85R)
Q18	1590001860	S.TRANSISTOR	XP4312(TX)
Q20	1510000510	S.TRANSISTOR	2SA1576 T107 R
Q21	1530002060	S.TRANSISTOR	2SC4081 T107 R
Q22	1590002350	S.TRANSISTOR	UMW2N TL
Q23	1590002340	S.TRANSISTOR	UMS2N TL
Q24	1560000540	S.FET	2SK880-Y (TE85R)
Q25	1530002920	S.TRANSISTOR	2SC4226-T2 R25
Q26	1590000430	S.TRANSISTOR	DTC144EU T107

MAIN UNIT] (IC-F45 only)				
REF. NO.	ORDER NO.		DESCRIPTION	
Q27	1530002920	S.TRANSISTOR	2SC4226-T2 R25	
Q28	1590000680	S.TRANSISTOR	DTC114EU T107	
Q29	1530003420	S.TRANSISTOR	2\$C5110-O (TE85R)	
Q30	1530003420	S.TRANSISTOR	2SC5110-O (TE85R)	
Q31	1530003420	S.TRANSISTOR	2SC5110-O (TE85R)	
Q32	1530003420	S.TRANSISTOR	2SC5110-O (TE85R)	
Q33	1530002680	S.TRANSISTOR	2\$C3357-T2	
Q36	1590001860	S.TRANSISTOR S.TRANSISTOR	XP4312(TX) DTC144EU T107	
Q38 Q40	1590000430 1530002080	S.TRANSISTOR	2SC4081 T107 R	
Q40 Q41	1580002000	S.FET	2SK1069-4-TL	
Q41	1590002140	S.FET	2SJ316-TD	
Q43	1590002140	S.FET	2SJ316-TD	
Q44	1590000430	S.TRANSISTOR	DTC144EU T107	
Q45	1520000450	S.TRANSISTOR	2SB1132 T100 Q	
Q46	1530002060	S.TRANSISTOR	2SC4081 T107 R	
Q47	1510000510	S.TRANSISTOR	2SA1576 T107 R	
Q48	1530002060	S.TRANSISTOR	2SC4081 T107 R	
Q49	1520000450	S.TRANSISTOR	2SB1132 T100 Q	
Q50	1530002060	S.TRANSISTOR	2SC4081 T107 R	
Q51	1510000510	S.TRANSISTOR	2SA1576 T107 R	
Q52	1530002060	S.TRANSISTOR	2SC4081 T107 R	
Q53	1530002060	S.TRANSISTOR	2SC4081 T107 R	
Q54	1590000430	S.TRANSISTOR	DTC144EU T107	
Q55	1590000720	S.TRANSISTOR	DTA144EU T107	
D1	1790001210	S.DIODE	1\$\$375-TL	
D2	1720000500	S.VARICAP	1SV230(TPH3)	
D3	1720000500	S.VARICAP	1SV230(TPH3)	
D4	1720000500	S.VARICAP	1SV230(TPH3)	
D5	1720000500	S.VARICAP	1SV230(TPH3)	
D7	1750000550	S.DIODE	1SS355 TE-17	
Ď8	1720000270	S.VARICAP	1SV217 (TPH2)	
D10	1720000270	S.VARICAP	1SV217 (TPH2)	
D12	1720000270	S.VARICAP	1SV217 (TPH2)	
D14	1720000270	S.VARICAP	1SV217 (TPH2)	
D16	1720000370	S.VARICAP	HVU350TRF	
D18	1790000450	S.DIODE	MA862(TX)	
D20	1790001200	S.DIODE	MA6S121(TX)	
D21	1750000550	S.DIODE S.DIODE	1\$\$355 TE-17 1\$\$355 TE-17	
D22 D23	1750000550 1730002370	S.ZENER	MA8120-H(TX)	
D23	1750002570	S.DIODE	1SS355 TE-17	
D25	1750000130	S.DIODE	DA204U T107	
D26	1750000550	S.DIODE	1SS355 TE-17	
D27	1750000550	S.DIODE	1SS355 TE-17	
D28	1720000360	S.DIODE	HSU88TRF	
D29	1750000550	S.DIODE	1SS355 TE-17	
D30	1750000550	S.DIODE	1SS355 TE-17	
D31	1750000550	S.DIODE	1SS355 TE-17	
D33	1750000550	S.DIODE	1SS355 TE-17	
D34	1750000550	S.DIODE	1SS355 TE-17	
D36	1750000130	S.DIODE	DA204U T107	
D37	1750000130	S.DIODE	DA204U T107	
D38	1750000550	S.DIODE	1SS355 TE-17	
FI1	2010001810	XTAL	FL-226	
FI2	2020000710	CERAMIC	CFWM455G	
X1	6070000130	DISCR	CDBM455C24	
X2	6050008850	XTAL	CR-464 (44.695 MHz)	
X3	6050009140	S.XTAL	CR-483 (12.8 MHz)	
X4	6050008840	S.XTAL	CR-463 (6.8 MHz)	
1.2	8200003330	s.coil	LQN 1A 15NJ04	
L2	6200002330	S.COIL S.COIL	LQN 1A 15NJU4 LQN 1A 8N8J04	
L3	6200002320	I .	LQN 1A 8N8J04 LQN 1A 8N8J04	
L4	6200002320	S.COIL	LQN 1A 8N8J04 MLF1608A 1R0K-T	
L5	6200003960 6200003960	S.COIL S.COIL	MLF1608A 1R0K-T	
L6	6200003960	S.COIL	LQN 1A 8N8J04	
17	, 0200002320	J.J.		
L7 L8	6200002320	S.COIL	LQN 1A 8N8J04	
L7 L8 L9	6200002320 6200003440	S.COIL S.COIL	LQN 1A 8N8J04 ELJNC 39NK-F	

Ref.   No.   No.   DESCRIPTION	MAIN UNIT] (IC-F45 only)				
L112				DESCRIPTION	
L112	L10	6200001650	S.COIL	FLJNC 18NK-F	
L14					
L15					
L18         620005190 (20000490)         S.COIL (2011 IN R68M)         LQH 1N R68M           L23         6200003900 (300001)         S.COIL (2011 IN R68M)           L24         6200004990 (300001)         S.COIL (2011 IN R68M)           L25         6200004990 (300001)         S.COIL (2011 IN R68M)           L27         620001780 (30001)         S.COIL (2011 IN R68M)           L28         6200001780 (30001)         S.COIL (2012 IN R10K-F)           L29         6200001780 (30001)         S.COIL (2012 IN R10K-F)           L30         6200001780 (30001)         S.COIL (2012 IN R160M)           L31         6200001900 (30001)         S.COIL (30000000)           L32         6200001900 (3000000)         S.COIL (300000000)           L33         6200001900 (30000000)         S.COIL (300000000)           L35         6200001900 (300000000)         S.COIL (30000000000)           L37         6200001900 (3000000000000)         S.COIL (3000000000000000000000000000000000000					
L19					
L24					
L25	L20	6200003690	S.COIL	MC152-E558ANA-100051=P3	
L25					
L28					
L28	1				
L30			S.COIL		
L31 6200004060 S.COIL MLR1608M 18NJ-T L32 620001780 S.COIL ELJFC R56MF L33 6200001780 S.COIL MLR1608M 18NJ-T L35 6200004200 S.COIL MLR1608M 18NJ-T L35 6200004200 S.COIL MLR1608M 27NJ-T L36 6200001980 S.COIL ELJFC R56MF L37 6200004400 S.COIL ELJFC R57MF L39 6200004400 S.COIL ELJFC R7M-F L40 6200004440 S.COIL ELJFC 4R7M-F L41 6200004440 S.COIL ELJFC 4R7M-F L41 6200001980 S.COIL ELJFC 4R7M-F L43 6200001980 S.COIL ELJFC R56MF L44 6200003540 S.COIL MLR1608M 27NJ-T L45 6200004510 S.COIL MLR1608M 27NJ-T L46 6200004700 S.COIL MLR1608M 28NJ-T L47 6200004700 S.COIL MLR1608M 18NJ-T L48 6200004080 S.COIL MLR1608M 18NJ-T L49 6200004700 S.COIL MLR1608M 18NJ-T L49 6200004700 S.COIL MLR1608M 18NJ-T L48 6200004700 S.COIL MLR1608M 18NJ-T L48 6200004080 S.RESISTOR ERJ3GEYJ 224 V (220 kΩ) R3 7030003520 S.RESISTOR ERJ3GEYJ 104 V (100 kΩ) R6 7030003720 S.RESISTOR ERJ3GEYJ 171 V (150 Ω) R7 7030003720 S.RESISTOR ERJ3GEYJ 171 V (150 Ω) R8 7030003720 S.RESISTOR ERJ3GEYJ 224 V (220 kΩ) R8 7030003720 S.RESISTOR ERJ3GEYJ 104 V (100 kΩ) R8 7030003720 S.RESISTOR ERJ3GEYJ 104 V (100 kΩ) R9 7030003880 S.RESISTOR ERJ3GEYJ 104 V (100 kΩ) R10 703000380 S.RESISTOR ERJ3GEYJ 104 V (100 kΩ) R11 7030003370 S.RESISTOR ERJ3GEYJ 104 V (100 kΩ) R12 7030003370 S.RESISTOR ERJ3GEYJ 104 V (100 kΩ) R16 703000330 S.RESISTOR ERJ3GEYJ 171 V (270 Ω) R17 7030003370 S.RESISTOR ERJ3GEYJ 171 V (270 Ω) R18 7030003370 S.RESISTOR ERJ3GEYJ 171 V (270 Ω) R17 7030003370 S.RESISTOR ERJ3GEYJ 171 V (270 Ω) R18 7030003370 S.RESISTOR ERJ3GEYJ 171 V (270 Ω) R18 7030003370 S.RESISTOR ERJ3GEYJ 171 V (270 Ω) R19 703000380 S.RESISTOR ERJ3GEYJ 171 V (270 Ω) R24 7030003370 S.RESISTOR ERJ3GEYJ 171 V (270 Ω) R25 7030003370 S.RESISTOR ERJ3GEYJ 171 V (270 Ω) R26 7030003370 S.RESISTOR ERJ3GEYJ 171 V (270 Ω) R27 7030003500 S.RESISTOR ERJ3GEYJ 171 V (270 Ω) R31 7030003400 S.RESISTOR ERJ3GEYJ 171 V (270 Ω) R32 7030003400 S.RESISTOR ERJ3GEYJ 171 V					
L32 6200001980 S.COIL ELJFC R56MF L33 6200001780 S.COIL ELJRC 22NK-F L34 6200004780 S.COIL MILR1608M 18NJ-T L35 6200004220 S.COIL MILR1608M 27NJ-T L36 6200005190 S.COIL ELJFC R56MF L37 6200005190 S.COIL MILF1608D R56K-T L39 6200004440 S.COIL ELJFC 4R7M-F L40 6200004440 S.COIL ELJFC 4R7M-F L41 6200004440 S.COIL ELJFC 4R7M-F L41 620000440 S.COIL ELJFC 4R7M-F L44 6200003510 S.COIL MILF1608D R22K-T L45 620000470 S.COIL MILF1608D R22K-T L45 620000470 S.COIL MILF1608D R22K-T L46 620000470 S.COIL MILF1608D R22K-T L47 6200004070 S.COIL MILF1608M 27NJ-T L48 620000470 S.COIL MILF1608M 18NJ-T L49 620000470 S.COIL MILF1608M 18NJ-T L49 7030003520 S.RESISTOR ERJ3GEYJ 224 V (220 kΩ ) R2 7030003520 S.RESISTOR ERJ3GEYJ 472 V (4.7 kΩ ) R3 703003800 S.RESISTOR ERJ3GEYJ 104 V (100 kΩ ) R6 703003720 S.RESISTOR ERJ3GEYJ 104 V (100 kΩ ) R7 7030003720 S.RESISTOR ERJ3GEYJ 224 V (220 kΩ ) R8 7030003720 S.RESISTOR ERJ3GEYJ 224 V (220 kΩ ) R8 7030003720 S.RESISTOR ERJ3GEYJ 224 V (220 kΩ ) R8 7030003720 S.RESISTOR ERJ3GEYJ 224 V (220 kΩ ) R8 7030003720 S.RESISTOR ERJ3GEYJ 224 V (220 kΩ ) R9 703000380 S.RESISTOR ERJ3GEYJ 224 V (220 kΩ ) R9 703000380 S.RESISTOR ERJ3GEYJ 224 V (220 kΩ ) R14 7030003340 S.RESISTOR ERJ3GEYJ 224 V (220 kΩ ) R15 703000370 S.RESISTOR ERJ3GEYJ 214 V (700 kΩ ) R16 703000370 S.RESISTOR ERJ3GEYJ 104 V (100 kΩ ) R17 7030003300 S.RESISTOR ERJ3GEYJ 104 V (100 kΩ ) R18 703000370 S.RESISTOR ERJ3GEYJ 110 V (100 kΩ ) R19 703000380 S.RESISTOR ERJ3GEYJ 217 V (270 Ω ) R19 703000380 S.RESISTOR ERJ3GEYJ 217 V (270 Ω ) R19 703000380 S.RESISTOR ERJ3GEYJ 217 V (270 Ω ) R19 703000390 S.RESISTOR ERJ3GEYJ 219 V (290 kΩ ) R19 703000390 S.RESISTOR ERJ3GEYJ 219 V (290 kΩ ) R24 703000370 S.RESISTOR ERJ3GEYJ 219 V (290 kΩ ) R25 703000370 S.RESISTOR ERJ3GEYJ 219 V (290 kΩ ) R26 703000370 S.RESISTOR ERJ3GEYJ 219 V (290 kΩ ) R27 703000370 S.RESISTOR ERJ3GEYJ 219 V (290 kΩ ) R28 703000370 S.RESISTOR ERJ3GEYJ 219 V (290 kΩ ) R29 703000370 S.RESISTOR ERJ3GEYJ 229 V (22 kΩ ) R30 703000380 S.RESISTOR ERJ3GEYJ 219 V (100 kΩ ) R30 703000380 S.RESIST					
L33					
L35 6200004220 S.COIL MLR1608M 27NJ-T L36 6200001960 S.COIL ELJFC R56MF L37 6200005190 S.COIL ELJFC R56MF L39 6200004440 S.COIL ELJFC 4R7M-F L40 6200004440 S.COIL ELJFC 4R7M-F L41 6200004440 S.COIL ELJFC 4R7M-F L41 6200004450 S.COIL ELJFC 4R7M-F L43 620000450 S.COIL MLF1608D R2K-T L44 6200003540 S.COIL MLF1608D R2K-T L45 620000470 S.COIL MLF1608D R2K-T L46 620000470 S.COIL MLR1608M 22NJ-T L48 620000470 S.COIL MLR1608M 18NJ-T L49 620000470 S.COIL MLR1608M R10K-T  R1 7030003720 S.RESISTOR ERJ3GEYJ 224 V (220 kΩ ) R2 7030003520 S.RESISTOR ERJ3GEYJ 104 V (100 kΩ ) R4 70300340 S.RESISTOR ERJ3GEYJ 104 V (100 kΩ ) R5 7030003720 S.RESISTOR ERJ3GEYJ 104 V (100 kΩ ) R6 7030003720 S.RESISTOR ERJ3GEYJ 224 V (220 kΩ ) R7 7030003720 S.RESISTOR ERJ3GEYJ 224 V (220 kΩ ) R8 7030003720 S.RESISTOR ERJ3GEYJ 224 V (220 kΩ ) R8 7030003720 S.RESISTOR ERJ3GEYJ 224 V (220 kΩ ) R8 7030003720 S.RESISTOR ERJ3GEYJ 104 V (100 kΩ ) R10 703003280 S.RESISTOR ERJ3GEYJ 104 V (100 kΩ ) R14 703000320 S.RESISTOR ERJ3GEYJ 104 V (100 kΩ ) R15 7030003370 S.RESISTOR ERJ3GEYJ 104 V (100 kΩ ) R16 703000330 S.RESISTOR ERJ3GEYJ 11 V (270 Ω ) R18 7030003370 S.RESISTOR ERJ3GEYJ 17 V (270 Ω ) R18 7030003370 S.RESISTOR ERJ3GEYJ 27 V (270 Ω ) R18 7030003370 S.RESISTOR ERJ3GEYJ 27 V (270 Ω ) R19 703000330 S.RESISTOR ERJ3GEYJ 27 V (270 Ω ) R19 703000330 S.RESISTOR ERJ3GEYJ 27 V (270 Ω ) R19 703000330 S.RESISTOR ERJ3GEYJ 27 V (270 Ω ) R19 703000330 S.RESISTOR ERJ3GEYJ 27 V (270 Ω ) R19 703000330 S.RESISTOR ERJ3GEYJ 27 V (270 Ω ) R22 7030003400 S.RESISTOR ERJ3GEYJ 27 V (270 Ω ) R23 7030003400 S.RESISTOR ERJ3GEYJ 27 V (270 Ω ) R24 7030003400 S.RESISTOR ERJ3GEYJ 27 V (270 Ω ) R25 7030003500 S.RESISTOR ERJ3GEYJ 27 V (270 Ω ) R26 7030003500 S.RESISTOR ERJ3GEYJ 27 V (270 Ω ) R30 7030003500 S.RESISTOR ERJ3GEYJ 27 V (270 Ω ) R31 7030003500 S.RESISTOR ERJ3GEYJ 27 V (270 Ω ) R32 7030003400 S.RESISTOR ERJ3GEYJ 39 V (390 kΩ ) R33 7030003400 S.RESISTOR ERJ3GEYJ 22 V (22 kΩ ) R34 7030003400 S.RESISTOR ERJ3GEYJ 19 V (100 Ω ) R35 7030003400 S.RESISTOR ERJ3GEYJ 19 V (100 Ω ) R36					
L36			•		
L37					
L39         8200004440         S.COIL         ELJFC 4R7M-F           L41         8200004440         S.COIL         ELJFC 4R7M-F           L43         6200001980         S.COIL         ELJFC R76MF           L44         6200004510         S.COIL         MLR1608M 2R2K-T           L45         620000470         S.COIL         MLR1608M 2RJ-T           L48         620000470         S.COIL         MLR1608M 18NJ-T           L48         6200004700         S.COIL         MLR1608M 18NJ-T           L49         6200004700         S.COIL         MLR1608M 18NJ-T           R2         7030003220         S.RESISTOR         ERJ3GEYJ 472 V (47 kQ)           R3         7030003240         S.RESISTOR         ERJ3GEYJ 473 V (47 kQ)           R6         7030003720         S.RESISTOR         ERJ3GEYJ 104 V (100 kQ)           R7         7030003720         S.RESISTOR         ERJ3GEYJ 224 V (220 kQ)           R8         7030003720         S.RESISTOR         ERJ3GEYJ 224 V (220 kQ)           R9         7030003840         S.RESISTOR         ERJ3GEYJ 104 V (100 kQ)           R14         7030003370         S.RESISTOR         ERJ3GEYJ 271 V (270 Q)           R16         7030003370         S.RESISTOR         ERJ3GEY					
L41					
L43 6200001960 S.COIL MLF1608D R22K-T L45 6200004510 S.COIL MLF1608D R22K-T L47 620004070 S.COIL MLR1608M 47NJ-T L48 6200004070 S.COIL MLR1608M 22NJ-T L49 620004700 S.COIL MLR1608M 18NJ-T L49 620004700 S.COIL MLR1608M R10K-T  R1 7030003720 S.RESISTOR ERJ3GEYJ 224 V (220 kΩ ) R2 7030003520 S.RESISTOR ERJ3GEYJ 104 V (100 kΩ ) R3 7030003840 S.RESISTOR ERJ3GEYJ 104 V (100 kΩ ) R5 7030003720 S.RESISTOR ERJ3GEYJ 104 V (100 kΩ ) R6 7030003720 S.RESISTOR ERJ3GEYJ 224 V (220 kΩ ) R7 7030003720 S.RESISTOR ERJ3GEYJ 224 V (220 kΩ ) R8 7030003720 S.RESISTOR ERJ3GEYJ 224 V (220 kΩ ) R9 7030003720 S.RESISTOR ERJ3GEYJ 224 V (220 kΩ ) R9 7030003720 S.RESISTOR ERJ3GEYJ 224 V (220 kΩ ) R9 7030003800 S.RESISTOR ERJ3GEYJ 224 V (220 kΩ ) R10 7030003280 S.RESISTOR ERJ3GEYJ 224 V (220 kΩ ) R14 7030003340 S.RESISTOR ERJ3GEYJ 104 V (100 kΩ ) R15 703000370 S.RESISTOR ERJ3GEYJ 104 V (100 kΩ ) R16 7030003230 S.RESISTOR ERJ3GEYJ 104 V (100 kΩ ) R17 7030003370 S.RESISTOR ERJ3GEYJ 171 V (270 Ω ) R18 7030003370 S.RESISTOR ERJ3GEYJ 180 V (18 Ω ) R17 7030003370 S.RESISTOR ERJ3GEYJ 104 V (100 kΩ ) R19 7030003800 S.RESISTOR ERJ3GEYJ 271 V (270 Ω ) R19 7030003800 S.RESISTOR ERJ3GEYJ 271 V (270 Ω ) R19 7030003800 S.RESISTOR ERJ3GEYJ 391 V (390 Ω ) R22 7030003800 S.RESISTOR ERJ3GEYJ 271 V (270 Ω ) R23 7030003400 S.RESISTOR ERJ3GEYJ 391 V (390 Ω ) R24 7030003400 S.RESISTOR ERJ3GEYJ 391 V (390 Ω ) R25 7030003500 S.RESISTOR ERJ3GEYJ 222 V (2.2 kΩ ) R26 7030003500 S.RESISTOR ERJ3GEYJ 222 V (2.2 kΩ ) R27 7030003500 S.RESISTOR ERJ3GEYJ 222 V (2.2 kΩ ) R28 7030003400 S.RESISTOR ERJ3GEYJ 222 V (2.2 kΩ ) R28 7030003500 S.RESISTOR ERJ3GEYJ 222 V (2.2 kΩ ) R30 7030003500 S.RESISTOR ERJ3GEYJ 222 V (2.2 kΩ ) R31 7030003600 S.RESISTOR ERJ3GEYJ 223 V (22 kΩ ) R32 7030003600 S.RESISTOR ERJ3GEYJ 223 V (22 kΩ ) R33 7030003400 S.RESISTOR ERJ3GEYJ 223 V (22 kΩ ) R34 7030003400 S.RESISTOR ERJ3GEYJ 223 V (22 kΩ ) R35 7030003400 S.RESISTOR ERJ3GEYJ 224 V (220 kΩ ) R36 7030003400 S.RESISTOR ERJ3GEYJ 224 V (20 kΩ ) R37 7030003600 S.RESISTOR ERJ3GEYJ 224 V (220 kΩ ) R39 703	L40	6200004440	S.COIL	ELJFC 4R7M-F	
L44 6200003540 S.COIL MLR1608D R22K-T 6200004510 S.COIL MLR1608M 47NJ-T 6200004070 S.COIL MLR1608M 47NJ-T 6200004070 S.COIL MLR1608M 18NJ-T MLR1608M R10K-T S.COIL MLR1608M R10K-T S.					
L45 6200004510 S.COIL MLR1608M 47NJ-T 6200004070 S.COIL MLR1608M 22NJ-T S.COIL MLR1608M 22NJ-T S.COIL MLR1608M R10K-T S.COIL MLR1608M R					
L47         6200004070         S.COIL         MLR1608M 22NJ-T           L48         6200004700         S.COIL         MLR1608M 18NJ-T           L49         6200004700         S.COIL         MLR1608M R10K-T           R1         7030003720         S.RESISTOR         ERJ3GEYJ 224 V (220 kΩ)           R2         7030003800         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R3         703000340         S.RESISTOR         ERJ3GEYJ 151 V (150 Ω)           R6         7030003720         S.RESISTOR         ERJ3GEYJ 224 V (220 kΩ)           R7         7030003720         S.RESISTOR         ERJ3GEYJ 224 V (220 kΩ)           R8         7030003720         S.RESISTOR         ERJ3GEYJ 224 V (220 kΩ)           R9         7030003720         S.RESISTOR         ERJ3GEYJ 224 V (220 kΩ)           R10         7030003280         S.RESISTOR         ERJ3GEYJ 224 V (220 kΩ)           R10         7030003340         S.RESISTOR         ERJ3GEYJ 24 V (220 kΩ)           R15         7030003370         S.RESISTOR         ERJ3GEYJ 271 V (270 Ω)           R16         7030003370         S.RESISTOR         ERJ3GEYJ 271 V (270 Ω)           R19         7030003370         S.RESISTOR         ERJ3GEYJ 271 V (270 Ω)           R21					
L49         620004700         S.COIL         MLR1608M R10K-T           R1         7030003720         S.RESISTOR         ERJ3GEYJ 224 V (220 kΩ)           R2         7030003800         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R4         7030003840         S.RESISTOR         ERJ3GEYJ 174 V (100 kΩ)           R5         7030003720         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R6         7030003720         S.RESISTOR         ERJ3GEYJ 224 V (220 kΩ)           R7         7030003720         S.RESISTOR         ERJ3GEYJ 224 V (220 kΩ)           R8         7030003720         S.RESISTOR         ERJ3GEYJ 224 V (220 kΩ)           R9         7030003720         S.RESISTOR         ERJ3GEYJ 224 V (220 kΩ)           R10         703000320         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R10         703000320         S.RESISTOR         ERJ3GEYJ 110 V (47 Ω)           R11         7030003370         S.RESISTOR         ERJ3GEYJ 110 V (47 Ω)           R16         7030003370         S.RESISTOR         ERJ3GEYJ 271 V (270 Ω)           R17         7030003370         S.RESISTOR         ERJ3GEYJ 271 V (270 Ω)           R19         7030003390         S.RESISTOR         ERJ3GEYJ 321 V (270 Ω) <t< td=""><td></td><td>6200004070</td><td>S.COIL</td><td></td></t<>		6200004070	S.COIL		
R1         7030003720         S.RESISTOR         ERJ3GEYJ 224 V (220 kΩ)           R2         7030003520         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R3         7030003600         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R5         7030003400         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R6         7030003720         S.RESISTOR         ERJ3GEYJ 224 V (220 kΩ)           R7         7030003720         S.RESISTOR         ERJ3GEYJ 224 V (220 kΩ)           R8         7030003720         S.RESISTOR         ERJ3GEYJ 224 V (220 kΩ)           R9         703000380         S.RESISTOR         ERJ3GEYJ 2104 V (100 kΩ)           R10         703000380         S.RESISTOR         ERJ3GEYJ 271 V (270 Ω)           R14         703000330         S.RESISTOR         ERJ3GEYJ 151 V (150 Ω)           R15         7030003370         S.RESISTOR         ERJ3GEYJ 271 V (270 Ω)           R16         7030003370         S.RESISTOR         ERJ3GEYJ 171 V (270 Ω)           R17         7030003370         S.RESISTOR         ERJ3GEYJ 271 V (270 Ω)           R18         7030003370         S.RESISTOR         ERJ3GEYJ 271 V (270 Ω)           R19         7030003800         S.RESISTOR         ERJ3GEYJ 271 V (270 Ω) <t< td=""><td></td><td></td><td></td><td></td></t<>					
R2         7030003520         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R3         7030003680         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R6         703000340         S.RESISTOR         ERJ3GEYJ 173 V (47 kΩ)           R6         7030003720         S.RESISTOR         ERJ3GEYJ 224 V (220 kΩ)           R7         7030003720         S.RESISTOR         ERJ3GEYJ 224 V (220 kΩ)           R8         7030003720         S.RESISTOR         ERJ3GEYJ 224 V (220 kΩ)           R9         7030003800         S.RESISTOR         ERJ3GEYJ 224 V (220 kΩ)           R10         7030003200         S.RESISTOR         ERJ3GEYJ 210 V (100 kΩ)           R14         7030003370         S.RESISTOR         ERJ3GEYJ 161 V (150 Ω)           R15         7030003370         S.RESISTOR         ERJ3GEYJ 271 V (270 Ω)           R16         7030003370         S.RESISTOR         ERJ3GEYJ 371 V (270 Ω)           R18         7030003370         S.RESISTOR         ERJ3GEYJ 271 V (270 Ω)           R19         7030003360         S.RESISTOR         ERJ3GEYJ 391 V (390 Ω)           R21         7030003400         S.RESISTOR         ERJ3GEYJ 391 V (390 Ω)           R22         7030003520         S.RESISTOR         ERJ3GEYJ 391 V (360 Q)	L49	6200004700	S.COIL	MLR1608M R10K-T	
R2         7030003520         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R3         7030003680         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R6         703000340         S.RESISTOR         ERJ3GEYJ 173 V (47 kΩ)           R6         7030003720         S.RESISTOR         ERJ3GEYJ 224 V (220 kΩ)           R7         7030003720         S.RESISTOR         ERJ3GEYJ 224 V (220 kΩ)           R8         7030003720         S.RESISTOR         ERJ3GEYJ 224 V (220 kΩ)           R9         7030003800         S.RESISTOR         ERJ3GEYJ 224 V (220 kΩ)           R10         7030003200         S.RESISTOR         ERJ3GEYJ 210 V (100 kΩ)           R14         7030003370         S.RESISTOR         ERJ3GEYJ 161 V (150 Ω)           R15         7030003370         S.RESISTOR         ERJ3GEYJ 271 V (270 Ω)           R16         7030003370         S.RESISTOR         ERJ3GEYJ 371 V (270 Ω)           R18         7030003370         S.RESISTOR         ERJ3GEYJ 271 V (270 Ω)           R19         7030003360         S.RESISTOR         ERJ3GEYJ 391 V (390 Ω)           R21         7030003400         S.RESISTOR         ERJ3GEYJ 391 V (390 Ω)           R22         7030003520         S.RESISTOR         ERJ3GEYJ 391 V (360 Q)					
R3         7030003680         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R4         703000340         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R5         7030003720         S.RESISTOR         ERJ3GEYJ 151 V (150 Ω)           R6         7030003720         S.RESISTOR         ERJ3GEYJ 224 V (220 kΩ)           R8         7030003720         S.RESISTOR         ERJ3GEYJ 224 V (220 kΩ)           R8         7030003200         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R10         7030003240         S.RESISTOR         ERJ3GEYJ 170 V (47 Ω)           R14         7030003370         S.RESISTOR         ERJ3GEYJ 170 V (47 Ω)           R15         7030003370         S.RESISTOR         ERJ3GEYJ 271 V (270 Ω)           R16         7030003370         S.RESISTOR         ERJ3GEYJ 271 V (270 Ω)           R18         7030003370         S.RESISTOR         ERJ3GEYJ 180 V (18 Ω)           R19         7030003400         S.RESISTOR         ERJ3GEYJ 271 V (270 Ω)           R21         7030003400         S.RESISTOR         ERJ3GEYJ 391 V (390 Ω)           R22         7030003400         S.RESISTOR         ERJ3GEYJ 391 V (47  Ω)           R23         7030003400         S.RESISTOR         ERJ3GEYJ 394 V (47  Ω)	R1	7030003720	S.RESISTOR	,	
R4         7030003840         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R6         7030003720         S.RESISTOR         ERJ3GEYJ 151 V (150 Ω)           R7         7030003720         S.RESISTOR         ERJ3GEYJ 224 V (220 kΩ)           R8         7030003720         S.RESISTOR         ERJ3GEYJ 224 V (220 kΩ)           R9         7030003800         S.RESISTOR         ERJ3GEYJ 224 V (220 kΩ)           R10         7030003200         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R14         7030003370         S.RESISTOR         ERJ3GEYJ 151 V (150 Ω)           R15         7030003200         S.RESISTOR         ERJ3GEYJ 271 V (270 Ω)           R16         7030003370         S.RESISTOR         ERJ3GEYJ 271 V (270 Ω)           R17         7030003370         S.RESISTOR         ERJ3GEYJ 271 V (270 Ω)           R18         7030003370         S.RESISTOR         ERJ3GEYJ 271 V (270 Ω)           R19         7030003800         S.RESISTOR         ERJ3GEYJ 271 V (270 Ω)           R21         7030003800         S.RESISTOR         ERJ3GEYJ 391 V (390 Ω)           R22         7030003400         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R23         7030003400         S.RESISTOR         ERJ3GEYJ 394 V (390 kΩ)				• •	
R5         7030003340         S.RESISTOR         ERJ3GEYJ 151 V (150 Ω)           R6         7030003720         S.RESISTOR         ERJ3GEYJ 224 V (220 kΩ)           R7         7030003720         S.RESISTOR         ERJ3GEYJ 224 V (220 kΩ)           R8         7030003720         S.RESISTOR         ERJ3GEYJ 224 V (220 kΩ)           R9         7030003800         S.RESISTOR         ERJ3GEYJ 271 V (210 kΩ)           R10         7030003370         S.RESISTOR         ERJ3GEYJ 470 V (47 Ω)           R14         7030003370         S.RESISTOR         ERJ3GEYJ 271 V (270 Ω)           R15         7030003370         S.RESISTOR         ERJ3GEYJ 271 V (270 Ω)           R16         7030003370         S.RESISTOR         ERJ3GEYJ 271 V (270 Ω)           R18         7030003370         S.RESISTOR         ERJ3GEYJ 391 V (300 Ω)           R19         7030003370         S.RESISTOR         ERJ3GEYJ 391 V (270 Ω)           R19         7030003370         S.RESISTOR         ERJ3GEYJ 391 V (270 Ω)           R21         7030003360         S.RESISTOR         ERJ3GEYJ 391 V (390 Ω)           R22         7030003400         S.RESISTOR         ERJ3GEYJ 392 V (82 kΩ)           R23         7030003520         S.RESISTOR         ERJ3GEYJ 394 V (390 kΩ)				• •	
R6         7030003720         S.RESISTOR         ERJ3GEYJ 224 V (220 kΩ)           R7         7030003720         S.RESISTOR         ERJ3GEYJ 224 V (220 kΩ)           R8         7030003720         S.RESISTOR         ERJ3GEYJ 224 V (220 kΩ)           R9         703000380         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R10         703000340         S.RESISTOR         ERJ3GEYJ 170 V (47 Ω)           R14         7030003370         S.RESISTOR         ERJ3GEYJ 170 V (270 Ω)           R16         7030003370         S.RESISTOR         ERJ3GEYJ 271 V (270 Ω)           R18         7030003370         S.RESISTOR         ERJ3GEYJ 271 V (270 Ω)           R19         7030003370         S.RESISTOR         ERJ3GEYJ 271 V (270 Ω)           R19         7030003370         S.RESISTOR         ERJ3GEYJ 271 V (270 Ω)           R19         7030003800         S.RESISTOR         ERJ3GEYJ 371 V (270 Ω)           R21         7030003670         S.RESISTOR         ERJ3GEYJ 391 V (390 Ω)           R22         7030003400         S.RESISTOR         ERJ3GEYJ 391 V (470 Ω)           R23         7030003500         S.RESISTOR         ERJ3GEYJ 471 V (470 Ω)           R24         7030003500         S.RESISTOR         ERJ3GEYJ 392 V (42 kΩ) <t< td=""><td></td><td></td><td></td><td>, ,</td></t<>				, ,	
R8         7030003720         S.RESISTOR         ERJ3GEYJ 224 V (220 kΩ)           R9         7030003680         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R10         7030003280         S.RESISTOR         ERJ3GEYJ 470 V (47 Ω)           R14         7030003340         S.RESISTOR         ERJ3GEYJ 151 V (150 Ω)           R15         703000320         S.RESISTOR         ERJ3GEYJ 271 V (270 Ω)           R16         7030003370         S.RESISTOR         ERJ3GEYJ 271 V (270 Ω)           R17         7030003370         S.RESISTOR         ERJ3GEYJ 271 V (270 Ω)           R18         7030003800         S.RESISTOR         ERJ3GEYJ 271 V (270 Ω)           R19         7030003800         S.RESISTOR         ERJ3GEYJ 391 V (390 Ω)           R21         7030003800         S.RESISTOR         ERJ3GEYJ 391 V (470 Ω)           R22         7030003400         S.RESISTOR         ERJ3GEYJ 323 V (82 kΩ)           R23         7030003400         S.RESISTOR         ERJ3GEYJ 321 V (470 Ω)           R24         7030003400         S.RESISTOR         ERJ3GEYJ 321 V (47 kΩ)           R25         703000350         S.RESISTOR         ERJ3GEYJ 391 V (390 kΩ)           R26         703000350         S.RESISTOR         ERJ3GEYJ 394 V (390 kΩ)      <					
R9         7030003680         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R10         7030003280         S.RESISTOR         ERJ3GEYJ 470 V (47 Ω)           R14         7030003370         S.RESISTOR         ERJ3GEYJ 151 V (150 Ω)           R16         7030003370         S.RESISTOR         ERJ3GEYJ 271 V (270 Ω)           R17         7030003370         S.RESISTOR         ERJ3GEYJ 271 V (270 Ω)           R18         7030003370         S.RESISTOR         ERJ3GEYJ 271 V (270 Ω)           R19         7030003800         S.RESISTOR         ERJ3GEYJ 271 V (270 Ω)           R21         7030003600         S.RESISTOR         ERJ3GEYJ 391 V (390 Ω)           R22         7030003400         S.RESISTOR         ERJ3GEYJ 391 V (390 Ω)           R24         7030003400         S.RESISTOR         ERJ3GEYJ 391 V (470 Ω)           R24         7030003400         S.RESISTOR         ERJ3GEYJ 391 V (470 Ω)           R24         7030003520         S.RESISTOR         ERJ3GEYJ 391 V (470 Ω)           R25         7030003520         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R26         7030003520         S.RESISTOR         ERJ3GEYJ 394 V (390 kΩ)           R27         7030003400         S.RESISTOR         ERJ3GEYJ 101 V (100 Ω)					
R10         7030003280         S.RESISTOR         ERJ3GEYJ 470 V (47 Ω)           R14         7030003340         S.RESISTOR         ERJ3GEYJ 151 V (150 Ω)           R15         7030003370         S.RESISTOR         ERJ3GEYJ 271 V (270 Ω)           R16         7030003370         S.RESISTOR         ERJ3GEYJ 271 V (270 Ω)           R18         7030003370         S.RESISTOR         ERJ3GEYJ 271 V (270 Ω)           R19         7030003800         S.RESISTOR         ERJ3GEYJ 271 V (270 Ω)           R21         7030003800         S.RESISTOR         ERJ3GEYJ 271 V (270 Ω)           R22         7030003870         S.RESISTOR         ERJ3GEYJ 391 V (390 Ω)           R23         7030003400         S.RESISTOR         ERJ3GEYJ 391 V (470 Ω)           R24         7030003400         S.RESISTOR         ERJ3GEYJ 471 V (470 Ω)           R25         7030003520         S.RESISTOR         ERJ3GEYJ 471 V (470 Ω)           R26         7030003520         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R27         7030003400         S.RESISTOR         ERJ3GEYJ 394 V (390 kΩ)           R28         7030003400         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R29         7030003320         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)				• •	
R14         7030003340         S.RESISTOR         ERJ3GEYJ 151 V (150 Ω)           R15         7030003370         S.RESISTOR         ERJ3GEYJ 271 V (270 Ω)           R16         7030003370         S.RESISTOR         ERJ3GEYJ 271 V (270 Ω)           R17         7030003370         S.RESISTOR         ERJ3GEYJ 271 V (270 Ω)           R18         7030003370         S.RESISTOR         ERJ3GEYJ 271 V (270 Ω)           R19         7030003800         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R21         7030003870         S.RESISTOR         ERJ3GEYJ 391 V (390 Ω)           R22         7030003670         S.RESISTOR         ERJ3GEYJ 391 V (470 Ω)           R23         7030003400         S.RESISTOR         ERJ3GEYJ 391 V (470 Ω)           R24         7030003400         S.RESISTOR         ERJ3GEYJ 471 V (470 Ω)           R25         7030003520         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R26         7030003400         S.RESISTOR         ERJ3GEYJ 394 V (390 kΩ)           R27         7030003400         S.RESISTOR         ERJ3GEYJ 394 V (390 kΩ)           R28         7030003400         S.RESISTOR         ERJ3GEYJ 394 V (390 kΩ)           R29         7030003320         S.RESISTOR         ERJ3GEYJ 394 V (390 kΩ) </td <td></td> <td></td> <td></td> <td>, ,</td>				, ,	
R16         7030003230         S.RESISTOR         ERJ3GEYJ 180 V (18 Ω)           R17         7030003370         S.RESISTOR         ERJ3GEYJ 271 V (270 Ω)           R18         7030003370         S.RESISTOR         ERJ3GEYJ 271 V (270 Ω)           R19         7030003680         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R21         7030003400         S.RESISTOR         ERJ3GEYJ 391 V (390 Ω)           R22         7030003400         S.RESISTOR         ERJ3GEYJ 823 V (82 kΩ)           R23         7030003400         S.RESISTOR         ERJ3GEYJ 823 V (82 kΩ)           R24         7030003480         S.RESISTOR         ERJ3GEYJ 823 V (82 kΩ)           R25         7030003520         S.RESISTOR         ERJ3GEYJ 471 V (470 Ω)           R26         7030003540         S.RESISTOR         ERJ3GEYJ 394 V (390 kΩ)           R27         7030003440         S.RESISTOR         ERJ3GEYJ 394 V (390 kΩ)           R28         7030003450         S.RESISTOR         ERJ3GEYJ 394 V (390 kΩ)           R30         7030003400         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R31         7030003400         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R32         7030003500         S.RESISTOR         ERJ3GEYJ 1223 V (22 kΩ)		7030003340	S.RESISTOR		
R17         7030003370         S.RESISTOR         ERJ3GEYJ 271 V (270 Ω)           R18         7030003370         S.RESISTOR         ERJ3GEYJ 271 V (270 Ω)           R19         7030003390         S.RESISTOR         ERJ3GEYJ 371 V (270 Ω)           R21         7030003390         S.RESISTOR         ERJ3GEYJ 391 V (390 Ω)           R22         7030003400         S.RESISTOR         ERJ3GEYJ 323 V (82 kΩ)           R24         7030003400         S.RESISTOR         ERJ3GEYJ 471 V (470 Ω)           R25         7030003520         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R26         7030003540         S.RESISTOR         ERJ3GEYJ 394 V (390 kΩ)           R27         7030003540         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R28         7030003540         S.RESISTOR         ERJ3GEYJ 394 V (390 kΩ)           R29         703000340         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R29         703000340         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R30         7030003600         S.RESISTOR         ERJ3GEYJ 101 V (100 Ω)           R31         7030003600         S.RESISTOR         ERJ3GEYJ 223 V (22 kΩ)           R33         7030003480         S.RESISTOR         ERJ3GEYJ 183 V (18 kΩ)			l .		
R18         7030003370         S.RESISTOR         ERJ3GEYJ 271 V (270 $\Omega$ )           R19         7030003680         S.RESISTOR         ERJ3GEYJ 104 V (100 k $\Omega$ )           R21         703000390         S.RESISTOR         ERJ3GEYJ 391 V (390 $\Omega$ )           R22         7030003400         S.RESISTOR         ERJ3GEYJ 823 V (82 k $\Omega$ )           R24         7030003400         S.RESISTOR         ERJ3GEYJ 471 V (470 $\Omega$ )           R25         7030003520         S.RESISTOR         ERJ3GEYJ 472 V (4.7 k $\Omega$ )           R26         7030003750         S.RESISTOR         ERJ3GEYJ 472 V (4.7 k $\Omega$ )           R27         7030003540         S.RESISTOR         ERJ3GEYJ 472 V (4.7 k $\Omega$ )           R28         7030003440         S.RESISTOR         ERJ3GEYJ 494 V (390 k $\Omega$ )           R29         703000340         S.RESISTOR         ERJ3GEYJ 472 V (4.7 k $\Omega$ )           R30         703000340         S.RESISTOR         ERJ3GEYJ 102 V (1 k $\Omega$ )           R31         7030003590         S.RESISTOR         ERJ3GEYJ 223 V (22 k $\Omega$ )           R32         7030003490         S.RESISTOR         ERJ3GEYJ 183 V (18 k $\Omega$ )           R33         7030003480         S.RESISTOR         ERJ3GEYJ 183 V (18 k $\Omega$ )           R36         7030003460         S.RESISTOR         ERJ3GEYJ 1			ł		
R19         7030003680         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R21         7030003390         S.RESISTOR         ERJ3GEYJ 391 V (390 Ω)           R22         7030003670         S.RESISTOR         ERJ3GEYJ 823 V (82 kΩ)           R23         7030003480         S.RESISTOR         ERJ3GEYJ 471 V (470 Ω)           R24         7030003520         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R25         7030003540         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R26         7030003540         S.RESISTOR         ERJ3GEYJ 394 V (390 kΩ)           R27         7030003540         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R28         7030003440         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R29         703000320         S.RESISTOR         ERJ3GEYJ 101 V (100 Ω)           R30         7030003590         S.RESISTOR         ERJ3GEYJ 223 V (22 kΩ)           R31         7030003590         S.RESISTOR         ERJ3GEYJ 183 V (18 kΩ)           R33         7030004470         S.RESISTOR         ERJ3GEYJ 183 V (18 kΩ)           R34         7030003460         S.RESISTOR         ERJ3GEYJ 183 V (18 kΩ)           R35         7030003480         S.RESISTOR         ERJ3GEYJ 104 V (100 Ω)			1		
R22         7030003670         S.RESISTOR         ERJ3GEYJ 823 V (82 kΩ)           R23         7030003400         S.RESISTOR         ERJ3GEYJ 471 V (470 Ω)           R24         7030003480         S.RESISTOR         ERJ3GEYJ 222 V (2.2 kΩ)           R25         7030003520         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R26         7030003540         S.RESISTOR         ERJ3GEYJ 94 V (390 kΩ)           R27         7030003440         S.RESISTOR         ERJ3GEYJ 982 V (6.8 kΩ)           R28         7030003400         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R30         7030003400         S.RESISTOR         ERJ3GEYJ 223 V (22 kΩ)           R31         7030003600         S.RESISTOR         ERJ3GEYJ 223 V (22 kΩ)           R32         7030003590         S.RESISTOR         ERJ3GEYJ 183 V (18 kΩ)           R33         7030004270         S.RESISTOR         ERJ3GEYJ 183 V (18 kΩ)           R34         7030003480         S.RESISTOR         ERJ3GEYJ 183 V (18 kΩ)           R35         7030003480         S.RESISTOR         ERJ3GEYJ 222 V (2.2 kΩ)           R36         7030003480         S.RESISTOR         ERJ3GEYJ 152 V (1.5 kΩ)           R39         7030003520         S.RESISTOR         ERJ3GEYJ 101 V (100 Ω) <td></td> <td></td> <td>1</td> <td></td>			1		
R23         7030003400         S.RESISTOR         ERJ3GEYJ 471 V (470 Ω)           R24         7030003480         S.RESISTOR         ERJ3GEYJ 222 V (2.2 kΩ)           R25         7030003520         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R26         7030003540         S.RESISTOR         ERJ3GEYJ 394 V (390 kΩ)           R27         7030003540         S.RESISTOR         ERJ3GEYJ 882 V (6.8 kΩ)           R28         7030003440         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R29         7030003320         S.RESISTOR         ERJ3GEYJ 101 V (100 Ω)           R30         7030003600         S.RESISTOR         ERJ3GEYJ 223 V (22 kΩ)           R31         7030003600         S.RESISTOR         ERJ3GEYJ 223 V (22 kΩ)           R32         7030003590         S.RESISTOR         ERJ3GEYJ 183 V (18 kΩ)           R33         7030004270         S.RESISTOR         ERJ3GEYJ 183 V (18 kΩ)           R34         7030003480         S.RESISTOR         ERJ3GEYJ 183 V (18 kΩ)           R35         7030003480         S.RESISTOR         ERJ3GEYJ 222 V (2.2 kΩ)           R36         7030003480         S.RESISTOR         ERJ3GEYJ 152 V (1.5 kΩ)           R37         7030003520         S.RESISTOR         ERJ3GEYJ 10V V (100 Ω) <td></td> <td></td> <td>1</td> <td> ,</td>			1	,	
R24         7030003480         S.RESISTOR         ERJ3GEYJ 222 V (2.2 kΩ)           R25         7030003520         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R26         7030003540         S.RESISTOR         ERJ3GEYJ 394 V (390 kΩ)           R27         7030003540         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R28         7030003440         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R29         703000320         S.RESISTOR         ERJ3GEYJ 101 V (100 Ω)           R30         7030003600         S.RESISTOR         ERJ3GEYJ 223 V (22 kΩ)           R31         7030003590         S.RESISTOR         ERJ3GEYJ 223 V (22 kΩ)           R33         7030004270         S.RESISTOR         ERJ3GEYJ 183 V (18 kΩ)           R34         7030003480         S.RESISTOR         ERJ3GEYJ 183 V (18 kΩ)           R35         7030003480         S.RESISTOR         ERJ3GEYJ 222 V (2.2 kΩ)           R36         7030003480         S.RESISTOR         ERJ3GEYJ 152 V (1.5 kΩ)           R37         7030003480         S.RESISTOR         ERJ3GEYJ 152 V (1.5 kΩ)           R38         7030003520         S.RESISTOR         ERJ3GEYJ 101 V (100 Ω)           R39         7030003720         S.RESISTOR         ERJ3GEYJ 224 V (220 kΩ)				•	
R25         7030003520         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R26         7030003750         S.RESISTOR         ERJ3GEYJ 394 V (390 kΩ)           R27         7030003540         S.RESISTOR         ERJ3GEYJ 882 V (6.8 kΩ)           R28         7030003440         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R30         7030003400         S.RESISTOR         ERJ3GEYJ 101 V (100 Ω)           R31         7030003600         S.RESISTOR         ERJ3GEYJ 223 V (22 kΩ)           R32         7030003590         S.RESISTOR         ERJ3GEYJ 223 V (22 kΩ)           R33         7030004270         S.RESISTOR         ERJ3GEYJ 183 V (18 kΩ)           R34         7030003480         S.RESISTOR         ERJ3GEYJ 222 V (2.2 kΩ)           R35         7030003480         S.RESISTOR         ERJ3GEYJ 222 V (2.2 kΩ)           R36         7030003480         S.RESISTOR         ERJ3GEYJ 152 V (1.5 kΩ)           R37         7030003480         S.RESISTOR         ERJ3GEYJ 152 V (1.5 kΩ)           R38         703000320         S.RESISTOR         ERJ3GEYJ 101 V (100 Ω)           R39         7030003720         S.RESISTOR         ERJ3GEYJ 224 V (220 kΩ)           R40         7030003640         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ) </td <td></td> <td></td> <td>1</td> <td></td>			1		
R27         7030003540         S.RESISTOR         ERJ3GEYJ 682 V (6.8 kΩ)           R28         7030003440         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R29         703000320         S.RESISTOR         ERJ3GEYJ 101 V (100 Ω)           R30         7030003600         S.RESISTOR         ERJ3GEYJ 223 V (22 kΩ)           R31         7030003590         S.RESISTOR         ERJ3GEYJ 183 V (18 kΩ)           R33         7030004270         S.RESISTOR         ERJ3GEYJ 183 V (18 kΩ)           R34         7030005490         S.RESISTOR         ERJ3GEYJ 222 V (2.2 kΩ)           R35         7030003480         S.RESISTOR         ERJ3GEYJ 222 V (2.2 kΩ)           R36         7030003460         S.RESISTOR         ERJ3GEYJ 152 V (1.5 kΩ)           R37         7030004850         S.RESISTOR         ERJ3GEYJ 152 V (1.5 kΩ)           R38         703000320         S.RESISTOR         ERJ3GEYJ 101 V (100 Ω)           R39         7030003720         S.RESISTOR         ERJ3GEYJ 224 V (220 kΩ)           R40         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R42         7030003520         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R43         7030003520         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ) <td></td> <td>7030003520</td> <td>1</td> <td></td>		7030003520	1		
R28         7030003440         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R29         7030003320         S.RESISTOR         ERJ3GEYJ 101 V (100 Ω)           R30         7030003600         S.RESISTOR         ERJ3GEYJ 223 V (22 kΩ)           R31         7030003600         S.RESISTOR         ERJ3GEYJ 223 V (22 kΩ)           R32         7030003590         S.RESISTOR         ERJ3GEYJ 183 V (18 kΩ)           R34         7030004270         S.RESISTOR         ERJ3GEYJ 183 V (18 kΩ)           R35         7030003480         S.RESISTOR         ERJ3GEYJ 183 V (18 kΩ)           R36         7030003480         S.RESISTOR         ERJ3GEYJ 222 V (2.2 kΩ)           R37         7030004850         S.RESISTOR         ERJ3GEYJ 152 V (1.5 kΩ)           R38         703000320         S.RESISTOR         ERJ3GEYJ 101 V (100 Ω)           R39         7030003720         S.RESISTOR         ERJ3GEYJ 224 V (220 kΩ)           R40         7030003640         S.RESISTOR         ERJ3GEYJ 224 V (220 kΩ)           R42         7030003520         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R43         7030003520         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R48         7030003320         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ) <td></td> <td></td> <td>I "</td> <td>• •</td>			I "	• •	
R29         7030003320         S.RESISTOR         ERJ3GEYJ 101 V (100 $\Omega$ )           R30         7030003600         S.RESISTOR         ERJ3GEYJ 223 V (22 k $\Omega$ )           R31         7030003600         S.RESISTOR         ERJ3GEYJ 223 V (22 k $\Omega$ )           R32         7030003590         S.RESISTOR         ERJ3GEYJ 183 V (18 k $\Omega$ )           R34         7030004270         S.RESISTOR         ERJ3EKF 4121 V (4.12 k $\Omega$ )           R35         7030003490         S.RESISTOR         ERJ3GEYJ 222 V (2.2 k $\Omega$ )           R36         7030003480         S.RESISTOR         ERJ3GEYJ 222 V (2.2 k $\Omega$ )           R37         7030004850         S.RESISTOR         ERJ3GEYF 913 V (91 k $\Omega$ )           R38         703000320         S.RESISTOR         ERJ3GEYJ 101 V (100 $\Omega$ )           R39         7030003720         S.RESISTOR         ERJ3GEYJ 224 V (220 k $\Omega$ )           R40         7030003640         S.RESISTOR         ERJ3GEYJ 224 V (220 k $\Omega$ )           R41         7030003520         S.RESISTOR         ERJ3GEYJ 472 V (4.7 k $\Omega$ )           R43         7030003520         S.RESISTOR         ERJ3GEYJ 104 V (100 k $\Omega$ )           R44         7030003520         S.RESISTOR         ERJ3GEYJ 104 V (100 k $\Omega$ )           R48         7030003320         S.RESISTOR         ERJ3					
R30         7030003600         S.RESISTOR         ERJ3GEYJ 223 V (22 kΩ)           R31         7030003600         S.RESISTOR         ERJ3GEYJ 223 V (22 kΩ)           R32         7030003590         S.RESISTOR         ERJ3GEYJ 183 V (18 kΩ)           R33         7030004270         S.RESISTOR         ERJ3GEYJ 183 V (4.12 kΩ)           R34         7030005490         S.RESISTOR         ERJ3GEYJ 222 V (2.2 kΩ)           R35         7030003480         S.RESISTOR         ERJ3GEYJ 222 V (2.2 kΩ)           R37         7030004850         S.RESISTOR         ERJ3GEYJ 152 V (1.5 kΩ)           R38         703000320         S.RESISTOR         ERJ3GEYJ 101 V (100 Ω)           R39         7030003720         S.RESISTOR         ERJ3GEYJ 224 V (220 kΩ)           R40         7030004870         S.RESISTOR         ERJ3GEYJ 224 V (220 kΩ)           R41         7030003520         S.RESISTOR         ERJ3GEYJ 473 V (4.7 kΩ)           R42         7030003520         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R43         7030003520         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R48         703000320         S.RESISTOR         ERJ3GEYJ 101 V (100 Ω)           S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)   S.RESISTOR S.RESISTOR S.RESISTOR			1	• •	
R32         7030003590         S.RESISTOR         ERJ3GEYJ 183 V (18 kΩ)           R33         7030004270         S.RESISTOR         ERJ3EKF 4121 V (4.12 kΩ)           R34         7030005490         S.RESISTOR         RR0816R-363-D (36 kΩ)           R35         7030003480         S.RESISTOR         ERJ3GEYJ 222 V (2.2 kΩ)           R36         7030003480         S.RESISTOR         ERJ3GEYJ 152 V (1.5 kΩ)           R37         7030003480         S.RESISTOR         ERJ3GEYJ 152 V (1.5 kΩ)           R38         703000320         S.RESISTOR         ERJ3GEYJ 101 V (100 Ω)           R39         7030003720         S.RESISTOR         ERJ3GEYJ 224 V (220 kΩ)           R40         7030004870         S.RESISTOR         ERJ3GEYJ 224 V (220 kΩ)           R41         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R42         7030003520         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R43         7030003520         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R48         7030003320         S.RESISTOR         ERJ3GEYJ 101 V (100 $\Omega$ )           R49         7030003720         S.RESISTOR         ERJ3GEYJ 101 V (100 $\Omega$ )			1	•	
R33         7030004270         S.RESISTOR         ERJ3EKF 4121 V (4.12 kΩ)           R34         7030005490         S.RESISTOR         RR0816R-363-D (36 kΩ)           R35         7030003480         S.RESISTOR         ERJ3GEYJ 222 V (2.2 kΩ)           R36         7030003480         S.RESISTOR         ERJ3GEYJ 152 V (1.5 kΩ)           R37         7030004850         S.RESISTOR         ERJ3GEYJ 152 V (1.5 kΩ)           R39         7030003720         S.RESISTOR         ERJ3GEYJ 101 V (100 Ω)           R40         7030004870         S.RESISTOR         ERJ3GEYJ 224 V (220 kΩ)           R41         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R42         7030003520         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R43         7030003600         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R47         7030003520         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R48         703000320         S.RESISTOR         ERJ3GEYJ 101 V (100 Ω)           R49         7030003720         S.RESISTOR         ERJ3GEYJ 224 V (220 kΩ)				•	
R34         7030005490         S.RESISTOR         RR0816R-363-D (36 kΩ)           R35         7030003480         S.RESISTOR         ERJ3GEYJ 222 V (2.2 kΩ)           R36         7030003460         S.RESISTOR         ERJ3GEYJ 152 V (1.5 kΩ)           R37         7030004850         S.RESISTOR         ERJ3GEYF 913 V (91 kΩ)           R38         703000320         S.RESISTOR         ERJ3GEYJ 101 V (100 Ω)           R40         7030004870         S.RESISTOR         ERJ3GEYJ 224 V (220 kΩ)           R41         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R42         7030003520         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R43         7030003680         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R47         7030003520         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R48         703000320         S.RESISTOR         ERJ3GEYJ 101 V (100 $\Omega$ )           R49         7030003720         S.RESISTOR         ERJ3GEYJ 224 V (220 kΩ)			1	•	
R35         7030003480         S.RESISTOR         ERJ3GEYJ 222 V (2.2 kΩ)           R36         7030003480         S.RESISTOR         ERJ3GEYJ 152 V (1.5 kΩ)           R37         7030004850         S.RESISTOR         ERJ3GEYF 913 V (91 kΩ)           R38         703000320         S.RESISTOR         ERJ3GEYJ 101 V (100 Ω)           R40         7030004870         S.RESISTOR         ERJ3GEYJ 224 V (220 kΩ)           R41         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R42         7030003520         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R43         7030003680         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R47         7030003520         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R48         7030003720         S.RESISTOR         ERJ3GEYJ 101 V (100 Ω)           R49         7030003720         S.RESISTOR         ERJ3GEYJ 224 V (220 kΩ)			1		
R37         7030004850         S.RESISTOR         ERJ3GEYF 913 V (91 kΩ)           R38         703000320         S.RESISTOR         ERJ3GEYJ 101 V (100 Ω)           R39         7030003720         S.RESISTOR         ERJ3GEYJ 224 V (220 kΩ)           R40         7030003640         S.RESISTOR         ERJ3GEYJ 224 V (220 kΩ)           R42         7030003520         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R43         7030003520         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R47         7030003520         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R48         7030003320         S.RESISTOR         ERJ3GEYJ 101 V (100 Ω)           R49         7030003720         S.RESISTOR         ERJ3GEYJ 224 V (220 kΩ)			1		
R38         7030003320         S.RESISTOR         ERJ3GEYJ 101 V (100 $\Omega$ )           R39         7030003720         S.RESISTOR         ERJ3GEYJ 224 V (220 k $\Omega$ )           R40         7030004870         S.RESISTOR         ERJ3GEYF 224 V (220 k $\Omega$ )           R41         7030003520         S.RESISTOR         ERJ3GEYJ 473 V (47 k $\Omega$ )           R42         7030003520         S.RESISTOR         ERJ3GEYJ 472 V (4.7 k $\Omega$ )           R43         7030003520         S.RESISTOR         ERJ3GEYJ 104 V (100 k $\Omega$ )           R47         7030003520         S.RESISTOR         ERJ3GEYJ 472 V (4.7 k $\Omega$ )           R48         7030003720         S.RESISTOR         ERJ3GEYJ 101 V (100 $\Omega$ )           R49         7030003720         S.RESISTOR         ERJ3GEYJ 224 V (220 k $\Omega$ )	R36	7030003460	S.RESISTOR	·	
R39         7030003720         S.RESISTOR         ERJ3GEYJ 224 V (220 kΩ)           R40         7030004870         S.RESISTOR         ERJ3GEYF 224 V (220 kΩ)           R41         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R42         7030003520         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R43         7030003520         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R47         7030003520         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R48         7030003320         S.RESISTOR         ERJ3GEYJ 101 V (100 Ω)           R49         7030003720         S.RESISTOR         ERJ3GEYJ 224 V (220 kΩ)			1		
R40         7030004870         S.RESISTOR         ERJ3GEYF 224 V (220 kΩ)           R41         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R42         7030003520         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R43         7030003680         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R47         7030003520         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R48         7030003320         S.RESISTOR         ERJ3GEYJ 101 V (100 Ω)           R49         7030003720         S.RESISTOR         ERJ3GEYJ 224 V (220 kΩ)				•	
R41         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R42         7030003520         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R43         7030003680         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R47         7030003520         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R48         7030003320         S.RESISTOR         ERJ3GEYJ 101 V (100 Ω)           R49         7030003720         S.RESISTOR         ERJ3GEYJ 224 V (220 kΩ)				·	
R43         7030003680         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R47         7030003520         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R48         7030003320         S.RESISTOR         ERJ3GEYJ 101 V (100 Ω)           R49         7030003720         S.RESISTOR         ERJ3GEYJ 224 V (220 kΩ)				•	
R47         7030003520         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R48         7030003320         S.RESISTOR         ERJ3GEYJ 101 V (100 Ω)           R49         7030003720         S.RESISTOR         ERJ3GEYJ 224 V (220 kΩ)					
R48 7030003320 S.RESISTOR ERJ3GEYJ 101 V (100 Ω ) R49 7030003720 S.RESISTOR ERJ3GEYJ 224 V (220 kΩ )				•	
R49 7030003720 S.RESISTOR ERJ3GEYJ 224 V (220 kΩ )			1	•	
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[L-band]

[H-band]

REF.	ORDER		DESCRIPTION	REF.	ORDER	T	DESCRIPTION
NO.	NO.		DESCRIPTION	NO.	NO.		DESCRIPTION
R51	7030003670	S.RESISTOR	ERJ3GEYJ 823 V (82 kΩ )	R150	7030003450	S.RESISTOR	ERJ3GEYJ 122 V (1.2
152	7030003670	S.RESISTOR	ERJ3GEYJ 823 V (82 kΩ )	R151	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10
155	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)	R154	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 1
56	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω )	R155	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10
57	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ )	R156	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10
58	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ )	R157	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kg
59	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ )	R158	7030003580	S.RESISTOR	ERJ3GEYJ 153 V (15
60	7030003420	S.RESISTOR	ERJ3GEYJ 681 V (680 Ω )	R159	7030003500	S.RESISTOR	ERJ3GEYJ 332 V (3.3
61	7030003450	S.RESISTOR	ERJ3GEYJ 122 V (1.2 kΩ )	R160	7030003800	S.RESISTOR	ERJ3GEYJ 105 V (1 M
62	7030003520	S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ )	R161	7030003460	S.RESISTOR	ERJ3GEYJ 152 V (1.5
63	7030003840	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)	R162	7030003200	S.RESISTOR	ERJ3GEYJ 100 V (10
64	7030004050	S.RESISTOR	ERJ3GEYJ 1R0 V (1 Ω )	R163	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100
85	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ )	R164	7030003630	S.RESISTOR	ERJ3GEYJ 393 V (39 I
66	7030003660	S.RESISTOR	ERJ3GEYJ 683 V (68 kΩ )	R165	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10
67	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ )	R167	7030003280	S.RESISTOR	ERJ3GEYJ 470 V (47
68	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)	R168	7030003600	S.RESISTOR	ERJ3GEYJ 223 V (22 I
69	7030003380	S.RESISTOR	ERJ3GEYJ 331 V (330 Ω )	R169	7030003520	S.RESISTOR	ERJ3GEYJ 472 V (4.7
70	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ )	R170	7030004040	S.RESISTOR	ERJ3GEYJ 4R7 V (4.7
71	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ )	R171	7030003430	S.RESISTOR	ERJ3GEYJ 821 V (820
72	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ )	I I'''''	7000003430	O.MEGIGTON	110001100214
73	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ )	1 1	7030003400	S.RESISTOR	ERJ3GEYJ 471 V (470
75	7030003440	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ )	I I	. 555555400	3.1.200101	Endode 15 4/1 V (4/0
76	7030003080	S.RESISTOR	ERJ3GEYJ 184 V (180 kΩ )	R172	7030003200	S.RESISTOR	ERJ3GEYJ 100 V (10
77	7030003710	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ )	R172	7030003200	S.RESISTOR	ERJ3GEYJ 470 V (47
7 <i>1</i> 78	7030003680	S.RESISTOR	ERJ3GEYJ 224 V (220 kΩ )	R173	7030003280	S.RESISTOR	ERJ3GEYJ 154 V (150
70 79	7030003720	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ )	R174	7030003700	S.RESISTOR	ERJ3GEYJ 183 V (18 I
79 80	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ )	"''"	1030003580	J. NESISTUR	•
	7030003680	S.RESISTOR	ERJ3GEYJ 823 V (82 kΩ )	1 1	7030003570	S.RESISTOR	ED 120EV   102 V (10.1
81			• • •	l I	/0300035/0	S.RESISTOR	ERJ3GEYJ 123 V (12 I
82	7030003660	S.RESISTOR	ERJ3GEYJ 883 V (68 kΩ )	1 1 2470	7000000500	C DECICEOD	ED 100 EV 1 000 V /0 0
83	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ )	R176	7030003500	S.RESISTOR	ERJ3GEYJ 332 V (3.3
93	7030003720	S.RESISTOR	ERJ3GEYJ 224 V (220 kΩ )	R177	7030003530	S.RESISTOR	ERJ3GEYJ 562 V (5.6
95	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω )	R178	7030004040	S.RESISTOR	ERJ3GEYJ 4R7 V (4.7
96	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω )	R179	7030003330	S.RESISTOR	ERJ3GEYJ 121 V (120
97 00	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ )		700000000	A DEGISTOR	[ [ [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]
98	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ )		7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100
99	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ )				[ 
100	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ )	R180	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100
101	7030003720	S.RESISTOR	ERJ3GEYJ 224 V (220 kΩ)	R181	7030003360	S.RESISTOR	ERJ3GEYJ 221 V (220
102	7510000920	S.THERMISTOR	NTCCF2012 4CH 104KC-T	R183	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100
103	7030003820	S.RESISTOR S.RESISTOR	ERJ3GEYJ 333 V (33 kΩ )	R184	7030003400	S.RESISTOR	ERJ3GEYJ 471 V (470
104	7030003680		ERJ3GEYJ 104 V (100 kΩ )	R185	7030003200	S.RESISTOR	ERJ3GEYJ 100 V (10 )
109	7030003600	S.RESISTOR	ERJ3GEYJ 223 V (22 kΩ )	R186	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100
111	7030003580	S.RESISTOR	ERJ3GEYJ 153 V (15 kΩ)	R188	7030003390	S.RESISTOR	ERJ3GEYJ 391 V (390
112	7310003910	S.TRIMMER	MVR32HXBR N502 (5K)	R189	7030003370	S.RESISTOR	ERJ3GEYJ 271 V (270
113	7030003580	S.RESISTOR	ERJ3GEYJ 153 V (15 kΩ )	R190	7030003230	S.RESISTOR	ERJ3GEYJ 180 V (18
114	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ )	R191	7030003370	S.RESISTOR	ERJ3GEYJ 271 V (270
115	7030003550	S.RESISTOR	ERJ3GEYJ 822 V (8.2 kΩ )	R192	7030003520	S.RESISTOR	ERJ3GEYJ 472 V (4.7
116	7030004050	S.RESISTOR	ERJ3GEYJ 1R0 V (1 Ω )	R193	7030003520	S.RESISTOR	ERJ3GEYJ 472 V (4.7
117	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ )	R194	7030003240	S.RESISTOR	ERJ3GEYJ 220 V (22
118	7030003600	S.RESISTOR	ERJ3GEYJ 223 V (22 kΩ )	R195	7030003520	S.RESISTOR	ERJ3GEYJ 472 V (4.7
119	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)	R196	7030003490	S.RESISTOR	ERJ3GEYJ 272 V (2.7
120	7030003700	S.RESISTOR	ERJ3GEYJ 154 V (150 kΩ)	R197	7030003310	S.RESISTOR	ERJ3GEYJ 820 V (82
123	7030003620	S.RESISTOR	ERJ3GEYJ 333 V (33 kΩ )	R199	7030000100	S.RESISTOR	MCR10EZHJ 4.7 Ω (41
124	7030003840	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ )	R200	7030003500	S.RESISTOR	ERJ3GEYJ 332 V (3.3
125	7030003700	S.RESISTOR	ERJ3GEYJ 154 V (150 kΩ )	R201	7030003460	S.RESISTOR	ERJ3GEYJ 152 V (1.5
126	7030003700	S.RESISTOR	ERJ3GEYJ 154 V (150 kΩ )	R202	7030003240	S.RESISTOR	ERJ3GEYJ 220 V (22 )
127	7030003470	S.RESISTOR	ERJ3GEYJ 182 V (1.8 kΩ )	R204	7030003800	S.RESISTOR	ERJ3GEYJ 105 V (1 M
129	7030003410	S.RESISTOR	ERJ3GEYJ 561 V (560 Ω )	R205	7030003800	S.RESISTOR	ERJ3GEYJ 105 V (1 M
130	7030003670	S.RESISTOR	ERJ3GEYJ 823 V (82 kΩ )	R206	7030003800	S.RESISTOR	ERJ3GEYJ 105 V (1 M
131	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)	R207	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100
132	7030003650	S.RESISTOR	ERJ3GEYJ 563 V (56 kΩ )	R208	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100
133	7030003650	S.RESISTOR	ERJ3GEYJ 563 V (56 kΩ )	R209	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100
134	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ )	R210	7030003880	S.RESISTOR	ERJ3GEYJ 104 V (100
137	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)	R211	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100
138	7030003600	S.RESISTOR	ERJ3GEYJ 223 V (22 kΩ )	R212	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 I
139	7030003750	S.RESISTOR	ERJ3GEYJ 394 V (390 kΩ )	R214	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100
140	7030003830	S.RESISTOR	ERJ3GEYJ 185 V (1.8 MΩ )	R215	7030003800	S.RESISTOR	ERJ3GEYJ 105 V (1 M
141	7030003450	S.RESISTOR	ERJ3GEYJ 122 V (1.2 kΩ )	R216	7030003200	S.RESISTOR	ERJ3GEYJ 100 V (10
142	7030003740	S.RESISTOR	ERJ3GEYJ 334 V (330 kΩ )	R217	7030003820	S.RESISTOR	ERJ3GEYJ 333 V (33 I
143	7030003580	S.RESISTOR	ERJ3GEYJ 153 V (15 kΩ )	R218	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100
144	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω )	R221	7510000900	S.THERMISTOR	NTCCF2012 3SH 223H
145	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)	R222	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 I
146	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)	R223	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100
147	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)	R224	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kg
148	7030003510	S.RESISTOR	ERJ3GEYJ 392 V (3.9 kΩ )	R225	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100
	7510000860	S.THERMISTOR	NTCCF2012 3FH 222KC-T	R226	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100
149	7310000000						

[MAIN	MAIN UNIT] (IC-F45 only)				
REF.	ORDER NO.		DESCRIPTION		
R227	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)		
R228	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)		
R229	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ )		
R230 R231	7030003680 7030003320	S.RESISTOR S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ ) ERJ3GEYJ 101 V (100 Ω )		
R232	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω )		
R233	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)		
R234	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)		
R235	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ )		
R236	7030003440 7030003680	S.RESISTOR S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ ) ERJ3GEYJ 104 V (100 kΩ )		
R237 R238	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ )		
R239	7030003720	S.RESISTOR	ERJ3GEYJ 224 V (220 kΩ )		
R240	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)		
R241	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)		
R242	7030003760	S.RESISTOR S.RESISTOR	ERJ3GEYJ 474 V (470 kΩ ) ERJ3GEYJ 103 V (10 kΩ )		
R243	7030003560 7030003320	S.RESISTOR	ERJ3GEYJ 103 V (10 KΩ )		
R245	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)		
R246	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)		
R247	7030003500	S.RESISTOR	ERJ3GEYJ 332 V (3.3 kΩ)		
R249 R250	7030003560 7030003560	S.RESISTOR S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ ) ERJ3GEYJ 103 V (10 kΩ )		
R251	7030003800	S.RESISTOR	ERJ3GEYJ 105 V (1 MΩ )		
R252	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ )		
R253	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)		
R254	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ )		
R255	7030003400	S.RESISTOR S.RESISTOR	ERJ3GEYJ 471 V (470 Ω ) ERJ3GEYJ 102 V (1 kΩ )		
R256 R257	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ )		
R258	7030003400	S.RESISTOR	ERJ3GEYJ 471 V (470 Ω)		
R259	7030003540	S.RESISTOR	ERJ3GEYJ 682 V (6.8 kΩ)		
R260	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)		
R261 R262	7030003460 7030003560	S.RESISTOR S.RESISTOR	ERJ3GEYJ 152 V (1.5 kΩ ) ERJ3GEYJ 103 V (10 kΩ )		
R263	7030003300	S.RESISTOR	ERJ3GEYJ 222 V (2.2 kΩ )		
R264	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)		
R266	7030003720	S.RESISTOR	ERJ3GEYJ 224 V (220 kΩ)		
R267 R268	7030003640 7030003640	S.RESISTOR S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ ) ERJ3GEYJ 473 V (47 kΩ )		
R269	7030003520	S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ )		
R270	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)		
R271	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)		
R273 R274	7030003680 7030003560	S.RESISTOR S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ ) ERJ3GEYJ 103 V (10 kΩ )		
R274	7030003580	S.RESISTOR	ERJ3GEYJ 562 V (5.6 kΩ)		
R276	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)		
R278	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)		
R279	7030003440	S.RESISTOR S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ ) ERJ3GEYJ 102 V (1 kΩ )		
R280 R281	7030003440 7030004050	S.RESISTOR	ERJ3GEYJ 1R0 V (1 KΩ )		
R282	7030004050	S.RESISTOR	ERJ3GEYJ 1R0 V (1 Ω )		
R283	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)		
R284	7030003540	S.RESISTOR	ERJ3GEYJ 682 V (6.8 kΩ)		
R285	7030003560	S.RESISTOR S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ ) ERJ3GEYJ 4R7 V (4.7 Ω )		
R286 R287	7030004040 7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)		
R288	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)		
R289	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)		
R290	7030003620	S.RESISTOR	ERJ3GEYJ 333 V (33 kΩ )		
R292 R293	7030003320	S.RESISTOR S.RESISTOR	ERJ3GEYJ 101 V (100 Ω ) ERJ3GEYJ 223 V (22 kΩ )		
R294	7030003480	S.RESISTOR	ERJ3GEYJ 222 V (2.2 kΩ )		
R296	7030003520	S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ )		
R298	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)		
R299	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ )		
R301 R302	7030003680 7030003240	S.RESISTOR S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ ) ERJ3GEYJ 220 V (22 Ω )		
R302	7030003240	S.RESISTOR	ERJ3GEYJ 471 V (470 Ω)		
R304	7030003480	S.RESISTOR	ERJ3GEYJ 222 V (2.2 kΩ)		
R305	7030003590	S.RESISTOR	ERJ3GEYJ 183 V (18 kΩ )		
R306 R308	7030003640 7030003680	S.RESISTOR S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ ) ERJ3GEYJ 104 V (100 kΩ )		
508	7030003000	J.MESISTOR	FINDOFIN INT A (IND KM)		

MAIN U	NIT] (IC-F45 d	riiy)	
REF.	ORDER		DESCRIPTION
NO.	NO.		
C1	4030006860	S.CERAMIC	C1808 JB 1H 102K-T-A
C3	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
Ce	4030006930	S:CERAMIC	C1608 CH 1H 020C-T-A
C7	4030006940	S.CERAMIC	C1808 CH 1H 030C-T-A
C8	4610001910	S.TRIMMER	CTZ3E-10A-W1 [L-band]
	4610001900	S.TRIMMER	CTZ3E-05A-W1 [H-band]
C9	4030007000 4030006990	S.CERAMIC S.CERAMIC	C1608 CH 1H 090D-T-A C1608 CH 1H 080D-T-A
C10 C11	4030006880	S.CERAMIC	C1608 JB 1H 102K-T-A
C12	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C13	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C14	4610001910	S.TRIMMER	CTZ3E-10A-W1 [L-band]
	4610001900	S.TRIMMER	CTZ3E-05A-W1 [H-band]
C16 C17	4030006860 4030006860	S.CERAMIC S.CERAMIC	C1608 JB 1H 102K-T-A C1608 JB 1H 102K-T-A
C18	4030006850	S.CERAMIC	C1608 JB 1H 471K-T-A
C19	4030007000	S.CERAMIC	C1608 CH 1H 090D-T-A
C20	4030009510	S.CERAMIC	C1608 CH 1H 010B-T-A
C21	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C22 C23	4030007000 4030006900	S.CERAMIC S.CERAMIC	C1608 CH 1H 090D-T-A C1608 JB 1E 103K-T-A
C23	4030006860	S.CERAMIC S.CERAMIC	C1608 JB 1H 102K-T-A
C25	4030010740	S.CERAMIC	C1608 JB 1A 104K-T-A
C26	4610001910	S.TRIMMER	CTZ3E-10A-W1 [L-band]
[	4610001900	S.TRIMMER	CTZ3E-05A-W1 [H-band]
C27	4030009510	S.CERAMIC	C1608 CH 1H 010B-T-A
C28 C29	4030007000 4610001910	S.CERAMIC S.TRIMMER	C1608 CH 1H 090D-T-A CTZ3E-10A-W1 [L-band]
028	4610001910	S.TRIMMER	CTZ3E-05A-W1 [H-band]
C30	4030007010	S.CERAMIC	C1808 CH 1H 100D-T-A
C31	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C32	4030009990	S.CERAMIC	C1608 CH 1H 200J-T-A
C33 C34	4030006860 4030006860	S.CERAMIC S.CERAMIC	C1608 JB 1H 102K-T-A C1608 JB 1H 102K-T-A
C35	4030007090	S.CERAMIC	C1608 CH 1H 470J-T-A
C38	4030006950	S.CERAMIC	C1608 CH 1H 040C-T-A
C37	4030006960	S.CERAMIC	C1608 CH 1H 050C-T-A
C38	4030006960	S.CERAMIC	C1608 CH 1H 050C-T-A
C39 C40	4030006970 4030007010	S.CERAMIC S.CERAMIC	C1608 CH 1H 060D-T-A C1608 CH 1H 100D-T-A
C41	4030007610	S.CERAMIC	C1608 JB 1H 102K-T-A
C42	4030007030	S.CERAMIC	C1608 CH 1H 150J-T-A
C43	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C44	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C45 C46	4030007090 4550002890	S.CERAMIC S.TANTALUM	C1608 CH 1H 470J-T-A TESVA 1A 225M1-8L
C46	4030002890	S.CERAMIC	C1608 JB 1H 102K-T-A
C48	4030007120	S.CERAMIC	C1608 CH 1H 820J-T-A
C49	4030007130	S.CERAMIC	C1608 CH 1H 101J-T-A
C50	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C51	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A C1608 CH 1H 070D-T-A
C54 C55	4030006980 4030007030	S.CERAMIC S.CERAMIC	C1608 CH 1H 070D-1-A
C56	4030007030	S.CERAMIC	C1608 JB 1H 102K-T-A
C57	4030007150	S.CERAMIC	C1608 CH 1H 151J-T-A
C58	4030007150	S.CERAMIC	C1608 CH 1H 151J-T-A
C59	4030006850 4030011310	S.CERAMIC S.CERAMIC	C1608 JB 1H 471K-T-A C2012 JB 1A 564K-T-A
C60 C61	4030011310	S.CERAMIC	C1608 JB 1H 102K-T-A
C64	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C65	4550002890	S.TANTALUM	TESVA 1A 225M1-8L
C66	4030006850	S.CERAMIC	C1608 JB 1H 471K-T-A
C67	4030008920	S.CERAMIC	C1608 JB 1C 473K-T-A
C68 C69	4030008920 4030008920	S.CERAMIC S.CERAMIC	C1608 JB 1C 473K-T-A C1608 JB 1C 473K-T-A
C70	4030008920	S.CERAMIC	C1608 JB 1C 473K-T-A
C71	4030008920	S.CERAMIC	C1608 JB 1C 473K-T-A
C72	4030010740	S.CERAMIC	C1608 JB 1A 104K-T-A
C75	4550002890	S.TANTALUM	TESVA 1A 225M1-8L
C76	4030010740	S.CERAMIC	C1608 JB 1A 104K-T-A C1608 JB 1A 104K-T-A
C78 C79	4030010740 4550002890	S.CERAMIC S.TANTALUM	TESVA 1A 225M1-8L
C80	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C81	4030008870	S.CERAMIC	C1608 JB 1C 183K-T-A
C82	4030010740	S.CERAMIC	C1608 JB 1A 104K-T-A
C83	4030006850	S.CERAMIC	C1808 JB 1H 471K-T-A

[MAIN UNIT] (IC-F45 only)				
REF. NO.	ORDER NO.		DESCRIPTION	
C87	4550002890	S.TANTALUM	TESVA 1A 225M1-8L	
C89	4030010740	S.CERAMIC	C1608 JB 1A 104K-T-A	
C90	4030006870	S.CERAMIC	C1608 JB 1H 222K-T-A	
C91	4550006250	S.TANTALUM	TEMSVA 1A 106M-8L	
C92	4030006900	S.CERAMIC	C1608 JB 1E 103K-T-A	
C93	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A	
C94	4550006720	S.TANTALUM	TEMSVC 1A 476M-12L	
C95	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A	
C96 C97	4030009660 4030010740	S.CERAMIC S.CERAMIC	C1608 JF 1C 224Z-T-A C1608 JB 1A 104K-T-A	
C98	4030010740	S.CERAMIC	C1608 JB 1C 223K-T-A	
C99	4030010740	S.CERAMIC	C1608 JB 1A 104K-T-A	
C100	4550002890	S.TANTALUM	TESVA 1A 225M1-8L	
C101	4030006900	S.CERAMIC	C1608 JB 1E 103K-T-A	
C102	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A	
C103	4030006900	S.CERAMIC	C1608 JB 1E 103K-T-A	
C104	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A	
C105	4550002890	S.TANTALUM	TESVA 1A 225M1-8L	
C108	4030010740	S.CERAMIC	C1608 JB 1A 104K-T-A	
C113	4550002890	S.TANTALUM	TESVA 1A 225M1-8L TESVA 1A 225M1-8L	
C114 C115	4550002890 4030010740	S.TANTALUM S.CERAMIC	C1608 JB 1A 104K-T-A	
C116	4030010740	S.CERAMIC	C1608 JB 1H 682K-T-A	
C117	4030008920	S.CERAMIC	C1608 JB 1C 473K-T-A	
C118	4030011330	S.CERAMIC	C1608 CH 1H 391J-T-A	
C119	4030011310	S.CERAMIC	C2012 JB 1A 564K-T-A	
C122	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A	
C123	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A	
C125	4550002980	S.TANTALUM	TEMSVA 1C 225M-8L	
C126	4030010740	S.CERAMIC	C1608 JB 1A 104K-T-A	
C127	4550000550	S.TANTALUM	TESVA 1V 224M1-8L	
C128	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A	
C129 C130	4550002890 4030006860	S.TANTALUM S.CERAMIC	TESVA 1A 225M1-8L C1608 JB 1H 102K-T-A	
C130	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A	
C132	4550006480	S.TANTALUM	TEMSVA 1C 475M-8L	
C134	4030011310	S.CERAMIC	C2012 JB 1A 564K-T-A	
C136	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A	
C137	4030006850	S.CERAMIC	C1608 JB 1H 471K-T-A	
C138	4030006850	S.CERAMIC	C1608 JB 1H 471K-T-A	
C139	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A	
C140	4030007010 4030006970	S.CERAMIC S.CERAMIC	C1608 CH 1H 100D-T-A [L-band] C1608 CH 1H 060D-T-A	
C141	4030006860	S.CERAMIC	[H-band] C1608 JB 1H 102K-T-A	
C143	4030000000	S.CERAMIC	C1608 CH 1H 100D-T-A [L-band]	
	4030006980	S.CERAMIC	C1608 CH 1H 070D-T-A [H-band]	
C144	4030007020	S.CERAMIC	C1608 CH 1H 120J-T-A	
C145	4030006850	S.CERAMIC	C1608 JB 1H 471K-T-A	
C146 C147	4550006250 4030006850	S.TANTALUM S.CERAMIC	TEMSVA 1A 106M-8L C1608 JB 1H 471K-T-A	
C147	4030008850	S.CERAMIC	C1608 CH 1H 470J-T-A	
C149	4030007680	S.CERAMIC	C1608 CH 1H R75B-T-A	
C150	4030006850	S.CERAMIC	C1608 JB 1H 471K-T-A	
C151	4030009560	S.CERAMIC	C1608 CH 1H R75B-T-A	
C152	4030006960	S.CERAMIC	C1608 CH 1H 050C-T-A [L-band]	
	4030006940	S.CERAMIC	C1608 CH 1H 030C-T-A [H-band]	
C153 C154	4030006980 4030007000	S.CERAMIC S.CERAMIC	C1608 CH 1H 070D-T-A C1608 CH 1H 090D-T-A [L-band]	
	4030006970	S.CERAMIC	C1608 CH 1H 060D-T-A [H-band]	
C155	4030006850	S.CERAMIC	C1608 JB 1H 471K-T-A	
C156	4030009570	S.CERAMIC	C1608 CH 1H 0R3B-T-A	
C157	4030006850	S.CERAMIC	C1608 JB 1H 471K-T-A	
C160	4030006850	S.CERAMIC	C1608 JB 1H 471K-T-A	
C161	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A	
C162	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A	
C163 C165	4030006960 4030006960	S.CERAMIC S.CERAMIC	C1608 CH 1H 050C-T-A C1608 CH 1H 050C-T-A	
C166	4030006960	S.CERAMIC S.CERAMIC	C1608 JB 1H 102K-T-A	

MAIN UNIT J (IC-F45 only)				
REF.	ORDER NO.		DESCRIPTION	
C167	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A	
C168 C169	4030007040	S.CERAMIC S.CERAMIC	C1608 CH 1H 180J-T-A C1608 CH 1H 090D-T-A	
C170	4030007000	S.CERAMIC	C1608 JB 1H 102K-T-A	
C171	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A	
C172	4030006850	S.CERAMIC	C1608 JB 1H 471K-T-A	
C173	4030007000	S.CERAMIC	C1608 CH 1H 090D-T-A	
C174	4030006970	S.CERAMIC	C1608 CH 1H 060D-T-A	
C175	4030006970	S.CERAMIC	C1608 CH 1H 060D-T-A	
C176	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A	
C177	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A	
C178 C179	4030008860	S.CERAMIC S.CERAMIC	C1608 JB 1H 102K-T-A	
1 01/3	4030007010	S.CENAMIC	C1608 CH 1H 100D-T-A [L-band]	
	4030006960	S.CERAMIC	C1608 CH 1H 050C-T-A [H-band]	
C180	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A	
C181	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A	
C182	4030007010	S.CERAMIC	C1608 CH 1H 100D-T-A	
	4030006950	S.CERAMIC	[L-band] C1608 CH 1H 040C-T-A	
C183	4550002890	S.TANTALUM	[H-band] TESVA 1A 225M1-8L	
C187	4030008850	S.CERAMIC	C1808 JB 1H 471K-T-A	
C188	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A	
C190	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A	
C191	4030006980	S.CERAMIC	C1608 CH 1H 070D-T-A	
C192	4030006980	S.CERAMIC	C1608 CH 1H 070D-T-A [L-band]	
	4030006960	S.CERAMIC	C1608 CH 1H 050C-T-A [H-band]	
C193	4030007030	S.CERAMIC	C1608 CH 1H 150J-T-A [L-band]	
C194	4030007010	S.CERAMIC	C1608 CH 1H 100D-T-A [H-band] C1608 JB 1C 473K-T-A	
C194	4030008920 4030010740	S.CERAMIC S.CERAMIC	C1608 JB 1A 104K-T-A	
C196	4030007090	S.CERAMIC	C1608 CH 1H 470J-T-A	
C197	4030010740	S.CERAMIC	C1608 JB 1A 104K-T-A	
C199	4030008870	S.CERAMIC	C1608 JB 1C 183K-T-A	
C200	4030008920	S.CERAMIC	C1608 JB 1C 473K-T-A	
C201	4550002890	S.TANTALUM	TESVA 1A 225M1-8L	
C202	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A	
C203 C204	4550002890 4550006250	S.TANTALUM S.TANTALUM	TESVA 1A 225M1-8L TEMSVA 1A 106M-8L	
C208	4030010740	S.CERAMIC	C1608 JB 1A 104K-T-A	
C207	4550008250	S.TANTALUM	TEMSVA 1A 108M-8L	
C208	4550006250	S.TANTALUM	TEMSVA 1A 106M-8L	
C209	4030006900	S.CERAMIC	C1608 JB 1E 103K-T-A	
C210	4030007140	S.CERAMIC	C1808 CH 1H 121J-T-A	
C211	4030006870	S.CERAMIC	C1608 JB 1H 222K-T-A	
C212 C213	4550006250 4030006860	S.TANTALUM S.CERAMIC	TEMSVA 1A 106M-8L C1608 JB 1H 102K-T-A	
C213	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A	
C215	4030007090	S.CERAMIC	C1608 CH 1H 470J-T-A	
C216	4030007090	S.CERAMIC	C1608 CH 1H 470J-T-A	
C217	4030010740	S.CERAMIC	C1608 JB 1A 104K-T-A	
C218	4030008870	S.CERAMIC	C1608 JB 1C 183K-T-A	
C219	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A	
C220	4030008870	S.CERAMIC	C1608 JB 1C 183K-T-A	
C221 C222	4030006850 4030006850	S.CERAMIC S.CERAMIC	C1608 JB 1H 471K-T-A C1608 JB 1H 471K-T-A	
C223	4550002890	S.TANTALUM	TESVA 1A 225M1-8L	
C224	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A	
C226	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A	
C227	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A	
C228	4030007050	S.CERAMIC	C1608 CH 1H 220J-T-A	
C229	4030006980	S.CERAMIC	C1608 CH 1H 070D-T-A	
C230	4030007110	S.CERAMIC	C1608 CH 1H 680J-T-A	
C232 C233	4550008250 4030008860	S.TANTALUM S.CERAMIC	TEMSVA 1A 106M-8L C1608 JB 1H 102K-T-A	
C233	4550000270	S.TANTALUM	TESVA 1E 474M1-8L	
C235	4030010740	S.CERAMIC	C1608 JB 1A 104K-T-A	
C237	4550006250	S.TANTALUM	TEMSVA 1A 106M-8L	
C238	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A	
C239	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A	

REF. NO.  C240 C241 C242 C243 C244 C245 C246 C247 C248 C249  C250 C251 C252 C253 C258 C259	ORDER NO.  4030006860 4030011310 4030007090 4030006860 4030006850 4030006850 4550006250 4550006250 4550006250 4550006250 4550006250	S.CERAMIC S.CERAMIC S.CERAMIC S.CERAMIC S.CERAMIC S.CERAMIC S.CERAMIC S.CERAMIC S.CERAMIC S.TANTALUM S.TANTALUM	DESCRIPTION  C1608 JB 1H 102K-T-A C2012 JB 1C 564K-T-A C1608 CH 1H 470J-T-A C1608 JB 1H 102K-T-A C1608 JB 1H 470J-T-A C1608 JB 1H 471K-T-A C1608 JB 1H 102K-T-A C1608 JB 1E 103K-T-A C1608 JB 1H 471K-T-A TEMSVA 1A 106M-8L  [L-band] TEMSVA 1C 475M-8L
C241 C242 C243 C244 C245 C246 C247 C248 C249 C250 C251 C252 C253 C258 C258	4030011310 403007090 4030006860 4030007090 4030006850 4030006850 4030006850 4550006250 4030006860 4030006860 4030006860	S.CERAMIC S.CERAMIC S.CERAMIC S.CERAMIC S.CERAMIC S.CERAMIC S.CERAMIC S.CERAMIC S.CERAMIC S.TANTALUM S.TANTALUM S.CERAMIC	C2012 JB 1C 564K-T-A C1608 CH 1H 470J-T-A C1608 JB 1H 102K-T-A C1608 JB 1H 471K-T-A C1608 JB 1H 471K-T-A C1608 JB 1H 102K-T-A C1608 JB 1E 103K-T-A C1608 JB 1H 471K-T-A TEMSVA 1A 106M-8L [L-band]
C242 C243 C244 C245 C246 C247 C248 C249 C250 C251 C252 C253 C258 C259	4030007090 4030006860 4030007090 4030006850 4030006860 4030006850 4550006250 4550006480 4030006860 4550006250 4030006860	S.CERAMIC S.CERAMIC S.CERAMIC S.CERAMIC S.CERAMIC S.CERAMIC S.CERAMIC S.TANTALUM S.TANTALUM	C1608 CH 1H 470J-T-A C1608 JB 1H 102K-T-A C1608 CH 1H 470J-T-A C1608 JB 1H 471K-T-A C1608 JB 1H 102K-T-A C1608 JB 1E 103K-T-A C1608 JB 1H 471K-T-A TEMSVA 1A 106M-8L [L-band]
C243 C244 C245 C246 C247 C248 C249 C250 C251 C252 C253 C253 C258 C259	4030006860 403007090 4030008850 4030006860 4030006850 4550006250 4550006480 4030006860 4550006250 4030006860	S.CERAMIC S.CERAMIC S.CERAMIC S.CERAMIC S.CERAMIC S.CERAMIC S.TANTALUM S.TANTALUM	C1608 JB 1H 102K-T-A C1608 CH 1H 470J-T-A C1608 JB 1H 471K-T-A C1608 JB 1H 102K-T-A C1608 JB 1E 103K-T-A C1608 JB 1H 471K-T-A TEMSVA 1A 106M-8L [L-band]
C244 C245 C246 C247 C248 C249 C250 C251 C252 C253 C258 C259	4030007090 4030008850 4030008860 4030006800 4030006850 4550006250 4550006480 4030006860 4550006250 4030008860	S.CERAMIC S.CERAMIC S.CERAMIC S.CERAMIC S.CERAMIC S.TANTALUM S.TANTALUM S.CERAMIC	C1608 CH 1H 470J-T-A C1608 JB 1H 471K-T-A C1608 JB 1H 102K-T-A C1608 JB 1E 103K-T-A C1608 JB 1H 471K-T-A TEMSVA 1A 106M-8L [L-band]
C245 C246 C247 C248 C249 C250 C251 C252 C253 C258 C259	4030008850 4030008860 4030008900 4030008850 4550006250 4550006480 4030008860 4550006250 4030008860	S.CERAMIC S.CERAMIC S.CERAMIC S.CERAMIC S.TANTALUM S.TANTALUM S.CERAMIC	C1608 JB 1H 471K-T-A C1608 JB 1H 102K-T-A C1608 JB 1E 103K-T-A C1608 JB 1H 471K-T-A TEMSVA 1A 106M-8L [L-band]
C248 C247 C248 C249 C250 C251 C252 C253 C258 C259	4030006860 4030006900 4030006850 4550006250 4550006480 4030006860 4550006250 4030006860	S.CERAMIC S.CERAMIC S.CERAMIC S.TANTALUM S.TANTALUM S.CERAMIC	C1608 JB 1H 102K-T-A C1608 JB 1E 103K-T-A C1608 JB 1H 471K-T-A TEMSVA 1A 106M-8L [L-band]
C247 C248 C249 C250 C251 C252 C253 C258 C259	4030006900 4030006850 4550006250 4550006480 4030006860 4550006250 4030008860	S.CERAMIC S.CERAMIC S.TANTALUM S.TANTALUM S.CERAMIC	C1608 JB 1E 103K-T-A C1608 JB 1H 471K-T-A TEMSVA 1A 106M-8L [L-band]
C248 C249 C250 C251 C252 C253 C258 C259	4030006850 4550006250 4550006480 4030006860 4550006250 4030006860	S.CERAMIC S.TANTALUM S.TANTALUM S.CERAMIC	C1608 JB 1H 471K-T-A TEMSVA 1A 106M-8L [L-band]
C249  C250 C251 C252 C253 C258 C259	4550006250 4550006480 4030006860 4550006250 4030006860	S.TANTALUM S.TANTALUM S.CERAMIC	TEMSVA 1A 106M-8L [L-band]
C250 C251 C252 C253 C258 C259	4550008480 4030008880 4550008250 4030008880	S.TANTALUM S.CERAMIC	(L-band)
C251 C252 C253 C258 C259	4550006250 4030006860	-	
C251 C252 C253 C258 C259	4550006250 4030006860	-	[H-band] C1608 JB 1H 102K-T-A
C252 C253 C258 C259	4030006860		TEMSVA 1A 106M-8L
C253 C258 C259		S.TANTALUM S.CERAMIC	C1608 JB 1H 102K-T-A
C258 C259		S.TANTALUM	TEMSVA 1A 106M-8L
C259	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
	4550006250	S.TANTALUM	TEMSVA 1A 108M-8L
C260	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C261	4550006250	S.TANTALUM	TEMSVA 1A 108M-8L
C262	4550006250	S.TANTALUM	TEMSVA 1A 106M-8L
C263	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C264	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C265	4550006250	S.TANTALUM	TEMSVA 1A 108M-8L
C266	4550006250	S.TANTALUM	TEMSVA 1A 108M-8L
C269	4550003220	S.TANTALUM	TEMSVA 1E 105M-8L
C270	4550003220	S.TANTALUM	TEMSVA 1E 105M-8L
C271	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C272	4550003220	S.TANTALUM	TEMSVA 1E 105M-8L C2012 JF 1C 105Z-T-A
C273	4030008680	S.CERAMIC S.CERAMIC	C1608 CH 1H 101J-T-A
C274	4030007130 4030008680	S.CERAMIC	C2012 JF 1C 105Z-T-A
C275 C276	4030010740	S.CERAMIC	C1608 JB 1A 104K-T-A
C277	4030008680	S.CERAMIC	C2012 JF 1C 105Z-T-A
C278	4550006250	S.TANTALUM	TEMSVA 1A 106M-8L
C279	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C280	4030006980	S.CERAMIC	C1608 CH 1H 070D-T-A
C281	4030006970	S.CERAMIC	C1608 CH 1H 060D-T-A
C283	4030009540	S.CERAMIC	C1608 CH 1H 1R5B-T-A
C284	4030011310	S.CERAMIC	C2012 JB 1A 564K-T-A
C286	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C287	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C289	4030009540	S.CERAMIC	C1608 CH 1H 1R5B-T-A
C293	4030006860	S.CERAMIC	C1808 JB 1H 102K-T-A
C294	4030006900	S.CERAMIC S.TANTALUM	C1608 JB 1E 103K-T-A TEMSVA 1A 106M-8L
C295 C296	4550006250 4030009510	S.CERAMIC	C1608 CH 1H 010B-T-A
C290 C297	4030009510	S.CERAMIC	C1608 JB 1E 103K-T-A
C297	4550006950	S.TANTALUM	TEMSVA 1A 106M-8L
C298	4550008250	S.TANTALUM	TEMSVA 1A 108M-8L
C301	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C302	4030007090	S.CERAMIC	C1808 CH 1H 470J-T-A
C303	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C304	4030007090	S.CERAMIC	C1608 CH 1H 470J-T-A
C305	4030007090	S.CERAMIC	C1608 CH 1H 470J-T-A
C306	4030007090	S.CERAMIC	C1608 CH 1H 470J-T-A
C307	4550008110	S.TANTALUM	TEMSVB2 0J 336M8L
C308	4030010740	S.CERAMIC	C1608 JB 1A 104K-T-A
C309	4030010740	S.CERAMIC	C1608 JB 1A 104K-T-A
C310	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C311	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A C1608 CH 1H 470J-T-A
C312	4030007090 4030007090	S.CERAMIC S.CERAMIC	C1808 CH 1H 470J-T-A C1808 CH 1H 470J-T-A
C313 C315	4030007090	S.CERAMIC S.CERAMIC	C1608 CH 1H 070D-T-A [L-band]
	4030006960	S.CERAMIC	C1608 CH 1H 050C-T-A [H-band]
C316	4030010740	S.CERAMIC	C1608 JB 1A 104K-T-A
C317	4030010740	S.CERAMIC	C1608 JB 1A 104K-T-A
C318	4030010740	S.CERAMIC	C1608 JB 1A 104K-T-A
C319	4030007090	S.CERAMIC	C1608 CH 1H 470J-T-A
C320	4030007090	S.CERAMIC	C1608 CH 1H 470J-T-A
C321	4030007090	S.CERAMIC	C1608 CH 1H 470J-T-A
C322	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C323	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A

#### [MAIN UNIT] (IC-F45 only)

MAIN U	MAIN UNIT] (IC-F45 only)					
REF. NO.	ORDER NO.		DESCRIPTION			
C324	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A			
C325	4550006080	S.TANTALUM	TEMSVB2 1C 106M-8L			
		S.CERAMIC	C1608 JB 1A 104K-T-A			
C326	4030010740					
C327	4030006850	S.CERAMIC	C1608 JB 1H 471K-T-A			
C328	4030007090	S.CERAMIC	C1608 CH 1H 470J-T-A			
C329	4030007090	S.CERAMIC	C1608 CH 1H 470J-T-A			
C330	4030007090	S.CERAMIC	C1608 CH 1H 470J-T-A			
C331	4030007090	S.CERAMIC	C1608 CH 1H 470J-T-A			
C332	4030007090	S.CERAMIC	C1608 CH 1H 470J-T-A			
C333	4030007090	S.CERAMIC	C1608 CH 1H 470J-T-A			
C334	4030007090	S.CERAMIC	C1608 CH 1H 470J-T-A			
C335	4030006900	S.CERAMIC	C1608 JB 1E 103K-T-A			
C336	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A			
C336	4030000000	S.CENAWIC	C1000 3B 111 102K-1-A			
			l			
S1	2230000980	SWITCH	SKHLLB			
J1	6510019190	S.CONNECTOR	52365-0891			
J2	6510019770	S.CONNECTOR	FH12-15S-0.5SV			
J3	6510018410	S.CONNECTOR				
J4	6510019770	S.CONNECTOR				
			1			
J5	6510018430	S.CONNECTOR	AANJOUUJBP			
W1 W3	7030003860 7030003860	S.JUMPER S.JUMPER	ERJ3GE JPW V [H-band] ERJ3GE JPW V [H-band]			
W3	7030003880	J.JUNIFER	Elegator At A [H-naid]			
EP1	0910046474	PCB	B 4664D			
EFI	0810040414		B 4004B			
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			S.=Surface mount			

#### **MECHANICAL PARTS** SECTION 7

# [CHASSIS UNIT]

REF. NO.	ORDER NO.	DESCRIPTION	QTY.
EP1	8930037740	1327 L-contact	1
MP1	8010016770	1789 Chassis	1
мР3	8210009380	1327 Rear panel	1
мР7	8930032870	1327 PTT spring	1
MP10	8930029520	1327 Main seal	1
MP12	8510010820	1789 Contact plate	1
MP14	8930029450	1327 Shield spring	1
MP15	8010016800	1789 Sub chassis	1
MP16	8510008472	1327 Shield-2	1
MP17	8810006060	Screw BO No. 0-1 M2 x 4	2
MP20	8810003710	Icom screw (B) 5	2
MP23	8930030990	O-ring (N)	1
MP24	8930030910	1327 E-contact	1
MP25	8810006610	Screw PH No. 0-1 M2 x 2.5 NI	1
MP26	8810006610	Screw PH No. 0-1 M2 x 2.5 NI	2
MP27	8810005100	Screw PH No. 0-1 M2 x 7 ZK	3
MP28	8820000801	1327 Screw-1	2
MP30	8930031900	1327 ANT spring	1
MP31	8930031911	1327 Side spring-1	1
MP32	8930031991	1327 L-spring-1	1
MP34	8930032010	1327 SP sponge	1
MP35	8210009420	1327 Jack plate	1
MP36	8810008210	Screw PH M3 x 7 ZK	2
MP37	8930039610	Thermally sheet (C)	1
MP40	8930033130	1327 AL sheet	1
MP41	8930010600	Sponge (AX)	1
MP44	8930042310	Rubber sheet (AB)	1

### [FRONT UNIT]

REF. NO.	ORDER NO.	DESCRIPTION	QTY.
MC1	7700001820	Microphone EM-123H	1
SP1	2510000650	Speaker EAS-3P127D	1
MP1	8210014410	1327 Front panel-1 assembly F35 (incl. SP1)	1
	8210014420	1327 Front panel-1 assembly F45 (incl. SP1)	1
MP12	8930040201	1332 Key board (A)-1	1
MP18	8810001710	Screw PH BO No. 0-3 M1.4 x 3.5 ZK	4
MP23	8930032881	1327 MIC seal-1	1
MP33	8930027980	Isolation sheet (F)	1

# [EF BOARD]

REF. NO.	ORDER NO.	DESCRIPTION	QTY.
MP1	8810006610	Screw PH No. 0-1 M2 x 2.5 NI	2

### [MAIN UNIT]

REF. NO.	ORDER NO.	DESCRIPTION	QTY.
MP1	8510010810	1789 DC-DC case	1
MP2	8510010810	1789 DC-DC case	1
мР3	8510009160	1332 VCO case	1
MP4	8510009170	1332 VCO cover	1
MP5	8510005070	599 Shield plate	1
MP6	8510008251	1366 Shield plate-1 (IC-F35 only)	1
MP7	8930034430	1327 VCO spring (IC-F45 only)	1
MP8	8930042650	1790 P.C.B plate	1
MP10	8930043310	Rubber sheet (AI) (IC-F45 only)	1

# [PA UNIT]

REF. NO.	ORDER NO.	DESCRIPTION	QTY.
J1	6510016370	Multi-connector AXR91010301	1
MP1	8930029551	1327 EF spring-1	1
MP2	8810005100	Screw PH No. 0-1 M2 x 7 ZK	2
MP3	8930033260	1332 M-holder	1

#### [ANT BOARD]

REF. NO.	ORDER NO.	DESCRIPTION	QTY.
MP1	8930029511	1327 ANT plate-1	1

# [TENKEY BOARD]

REF. NO.	ORDER NO.	DESCRIPTION	QTY.
DS6	5030001380	LCD LD-B4548J	1
EP3	8930034750	LCD Contact SRCN-1556-ZSS	1
MP1	8930029480	1332 LCD holder	1
MP2	8930031000	1332 LCD sheet	1
мР3	8930032480	1332 LCD spring	1

#### [ACCESSORIES]

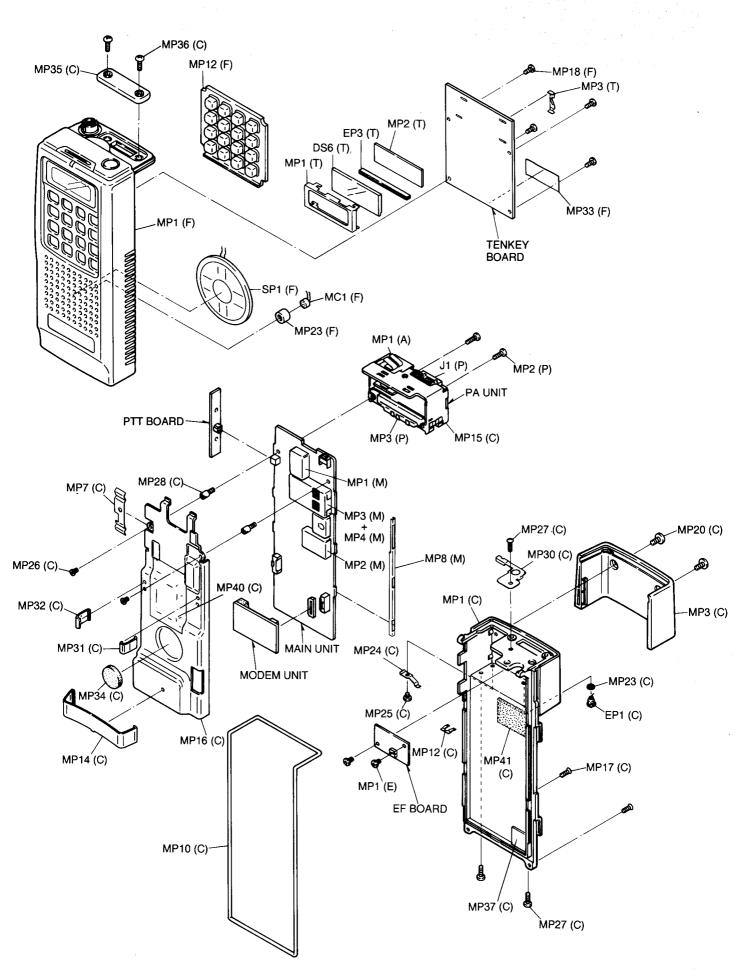
REF. NO.	ORDER NO.	DESCRIPTION	QTY.
EP1	optional product	FA-SC24V flexible antenna for F35 L-band	1
	optional product	FA-SC54V flexible antenna for F35 H-band	1
	optional product	FA-SC24U flexible antenna for F45 L-band	1
	optional product	FA-SC56U flexible antenna for F45 H-band	1
EP2	optional product	CM-140 BATTERY PACK	1
MP1	8210014010	1789 Front plate	1

Screw abbreviations

BO: Self-tapping PH:Pan head

NI: Nickel

ZK: Black



Unit abbreviations (C): CHASSIS UNIT (F): FRONT UNIT (E): EF BOARD (M): MAIN UNIT (P): PA UNIT (A): ANT BOARD (T): TENKEY BOARD

# SECTION 8 SEMI-CONDUCTOR INFORMATION

#### • TRANSISTORS AND FET'S

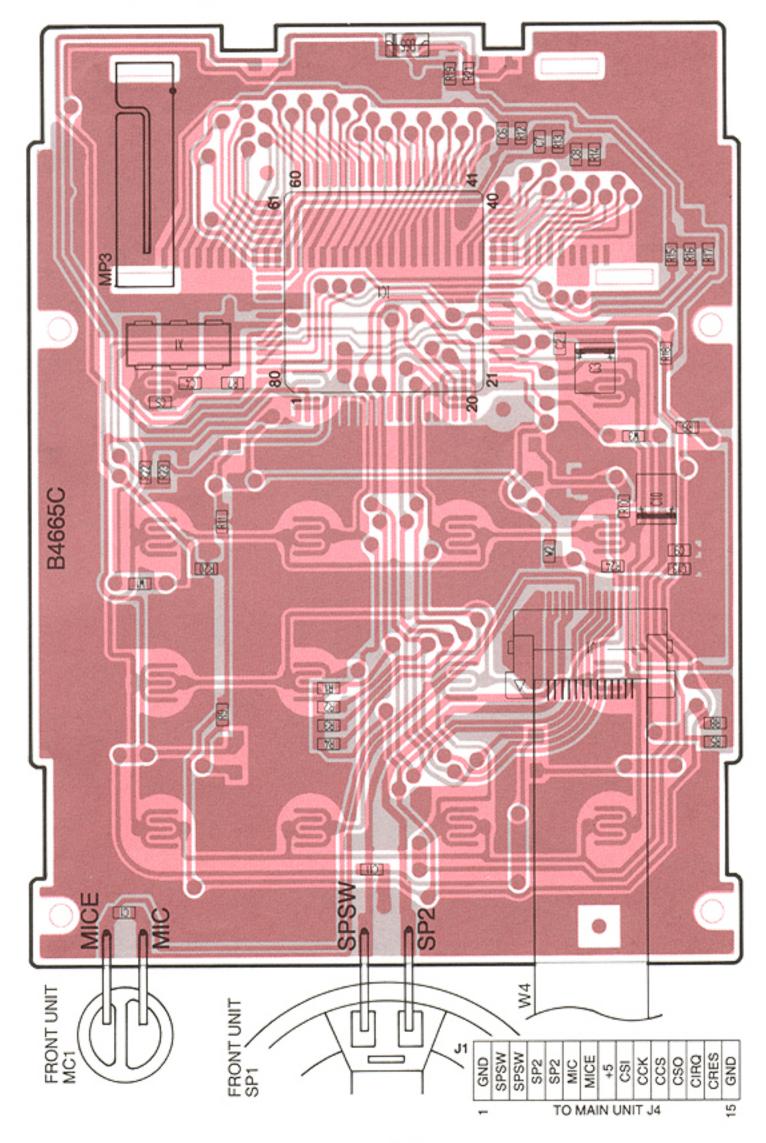
- MANOISTON AND LET						
2SA1576 R (Symbol: FR)	2SB1132 Q (Symbol: BA)	2SC3357 (Symbol: RK)	2SC4081 R (Symbol: BR)	2SC4215 O (Symbol: QO)		
2SC4226 R25 (Symbol: R25)	2SC5110 O (Symbol: MGO)	2SJ316 TD (Symbol: JG)	2SK1069 4 TL (Symbol: FJ)	2SK880 Y (Symbol: XY)		
		S	S G G	S G G		
2SK166 2 (Symbol: K)	3SK239XR (Symbol: XR)	DTA144EU (Symbol: 16)	DTC144EU (Symbol: 26)	DTC363EK (Symbol: H27)		
s C C C C C C C C C C C C C C C C C C C	s ————————————————————————————————————					
UMS2N TL (Symbol: S2)	UMW2N TL (Symbol: W2)	XP4312 (Symbol: 7T)				

#### • DIODES

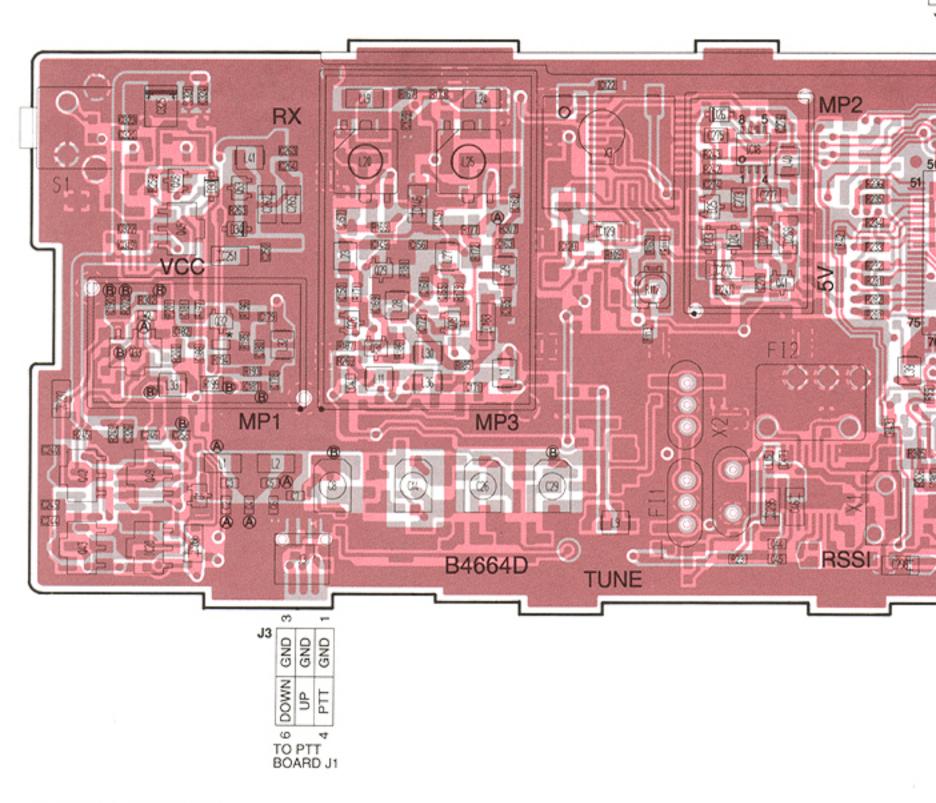
188375 TL	DA204U	MA6S121	MA862	SB07-03C
(Symbol: FH)	(Symbol: K)	(Symbol: M2D)	(Symbol: M1I)	(Symbol: J)

# 9-1 IC-F35/F45 MAIN UNIT, TENKEY, EF AND PTT BOARD

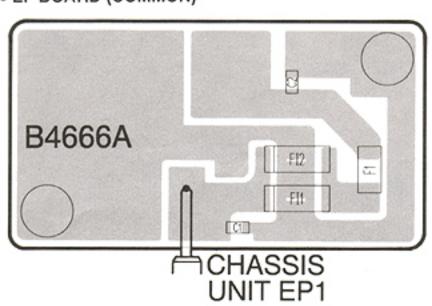
TENKEY BOARD (COMMON)



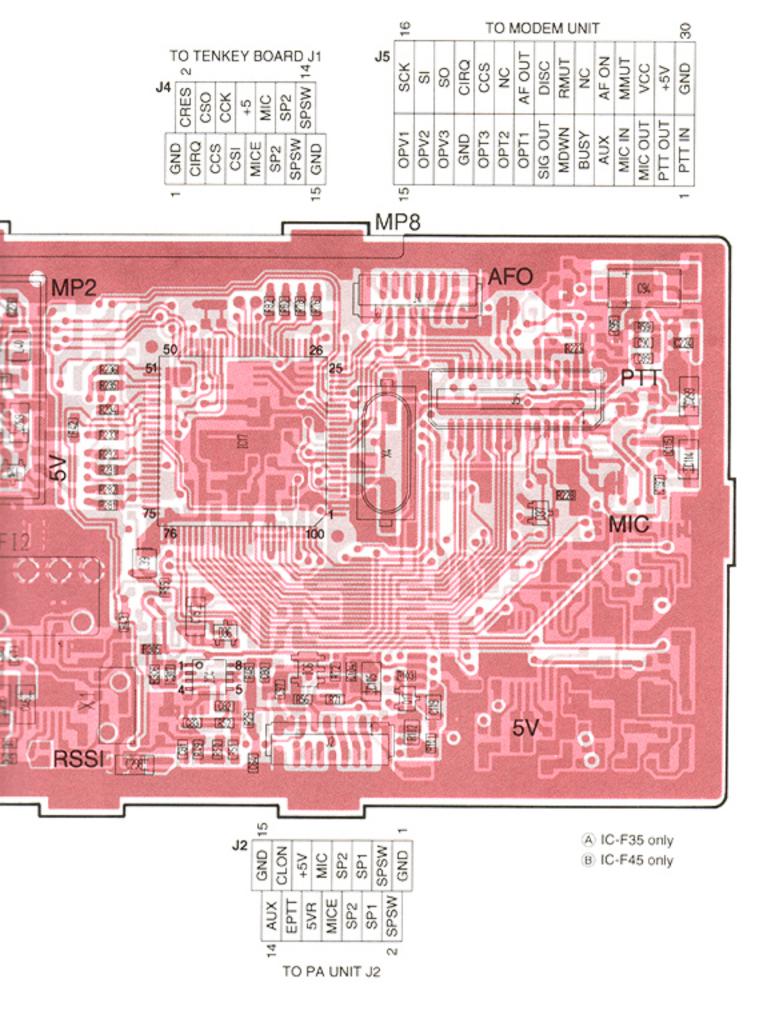
# MAIN UNIT (COMMON)



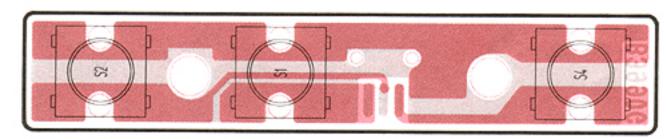
# • EF BOARD (COMMON)



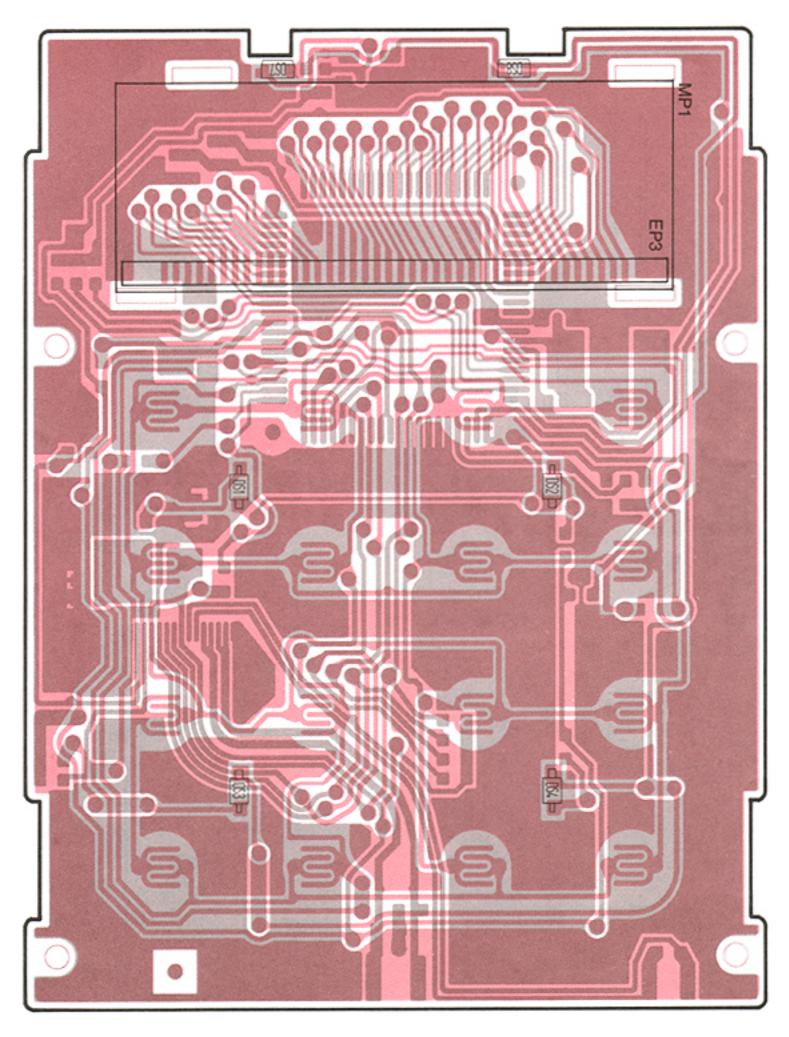
J

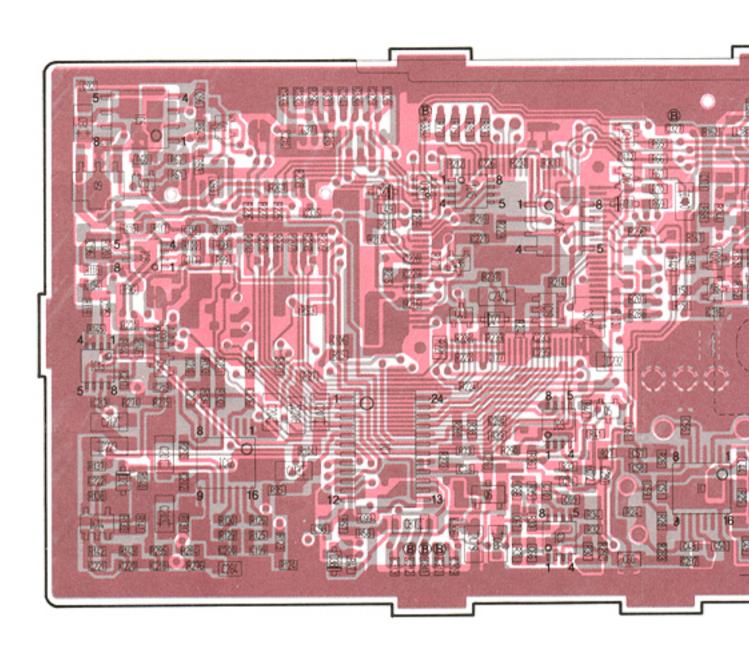


# PTT BOARD (COMMON)

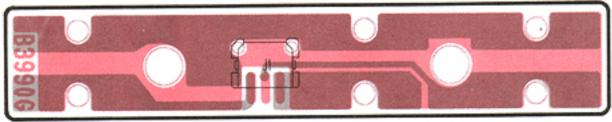


# TENKEY BOARD (COMMON)

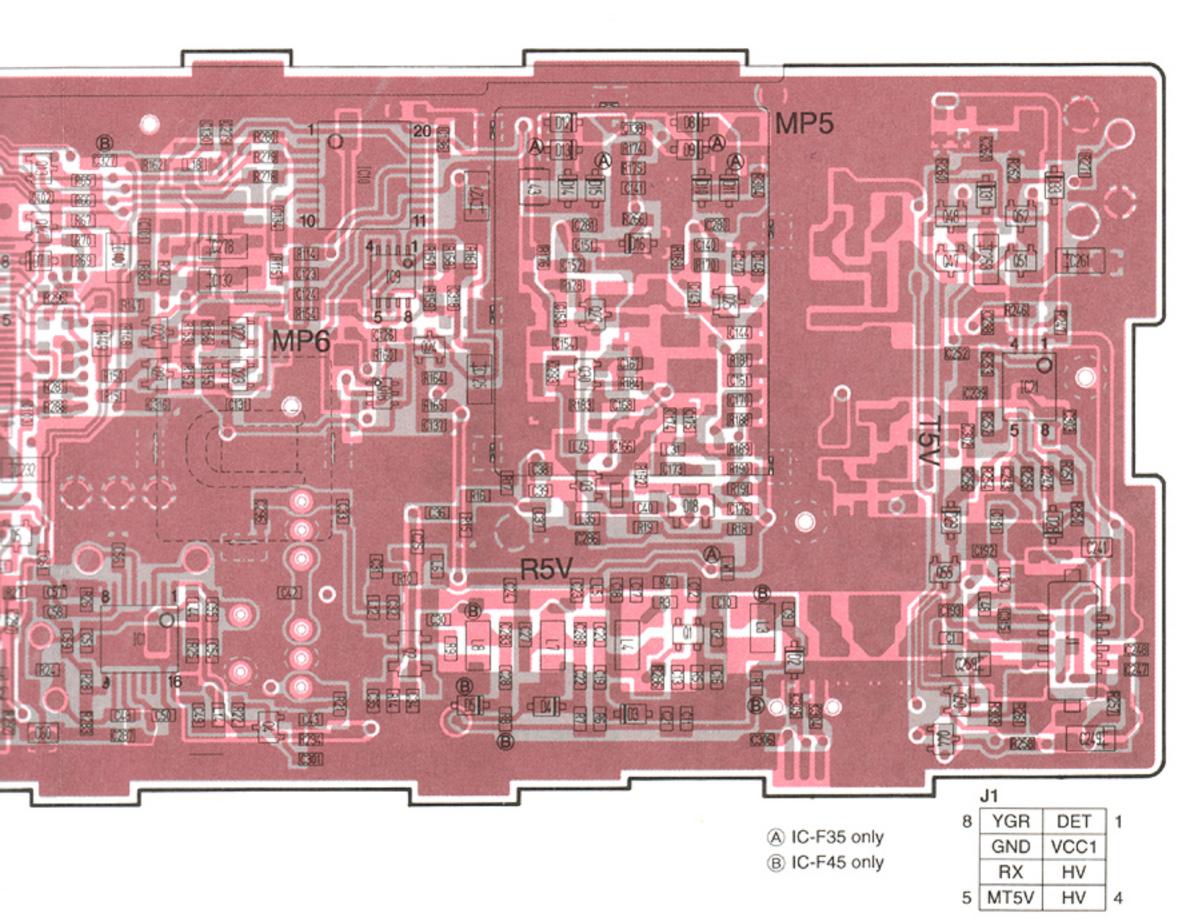




# • PTT BOARD (COMMON)



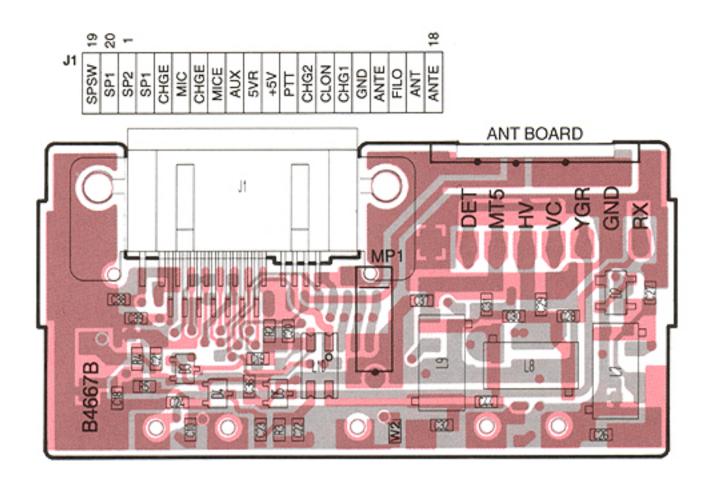
DIA OND GND 1
SEA DOWN GND 3



TO LPF BOARD J1

# 9-2 PA UNIT, LPF AND ANT BOARD

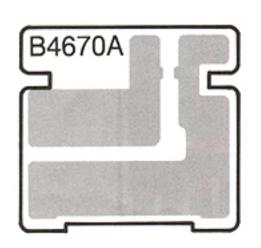
• IC-F35 PA UNIT



## • IC-F35 LPF BOARD

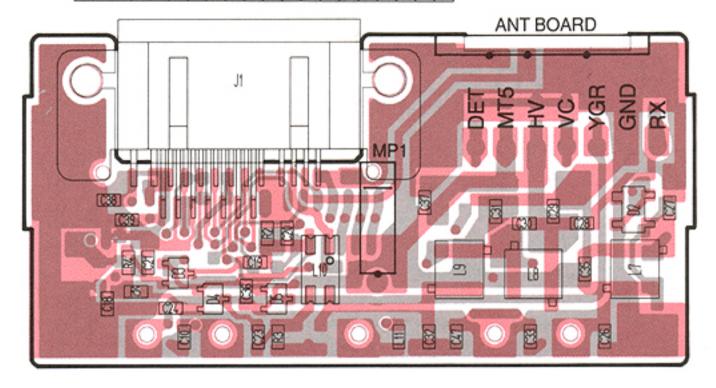
1 DET YGR 8 CLIVE ALL AND MTSV 5 LL LIND ALL AND antml:image>data:image/s3,anthropic-data-us-east-2/u/marker_images/sfishman-markermapper-1001140149/c3046e38f2cb1716a0ed3264211f8b7c.jpeg</antml:image>

## • IC-F35 ANT BOARD



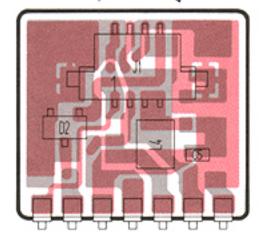
## IC-F45 PA UNIT



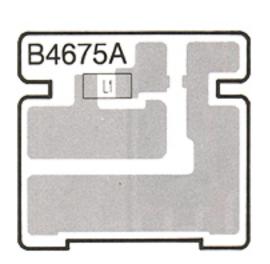


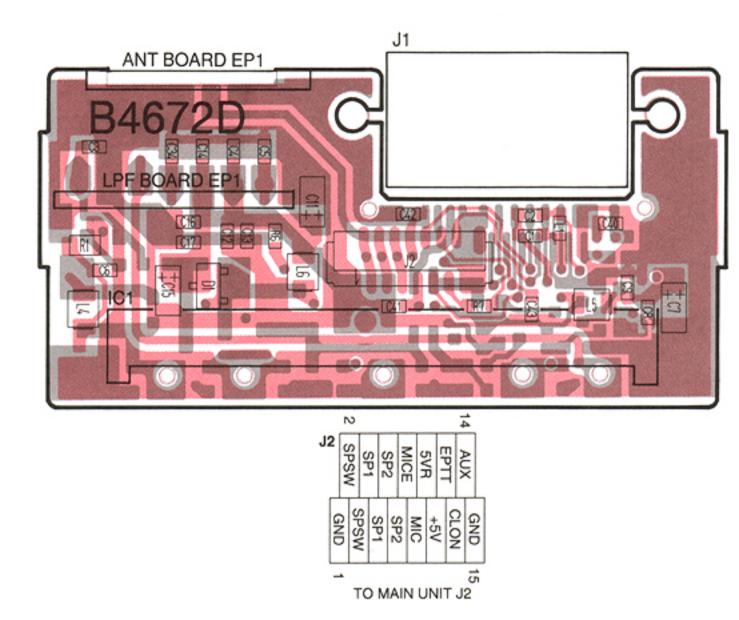
## IC-F45 LPF BOARD

# DET YGR 800 HV RX HV RX 5 LY 150 HV HV MT5V 5 LY 100 HV HV HV HV MT5V 5 LY 100 HV MT5V 5 LY

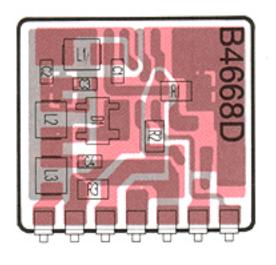


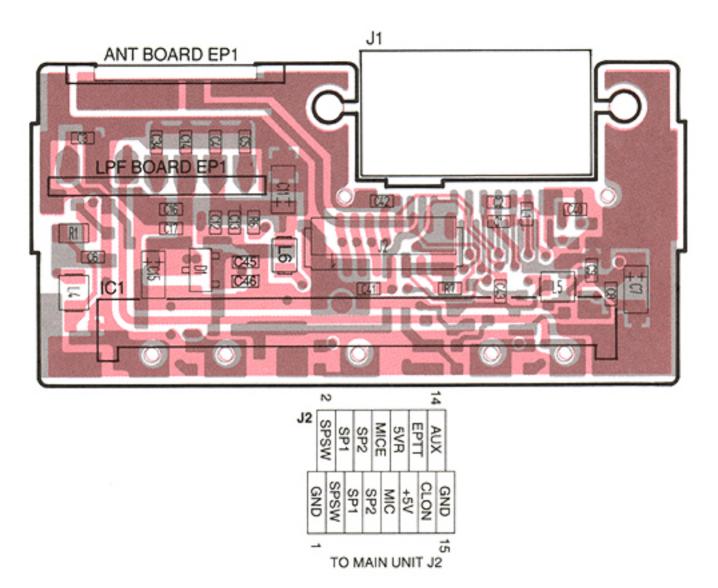
## • IC-F45 ANT BOARD



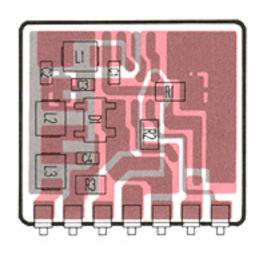


• IC-F45 LPF BOARD

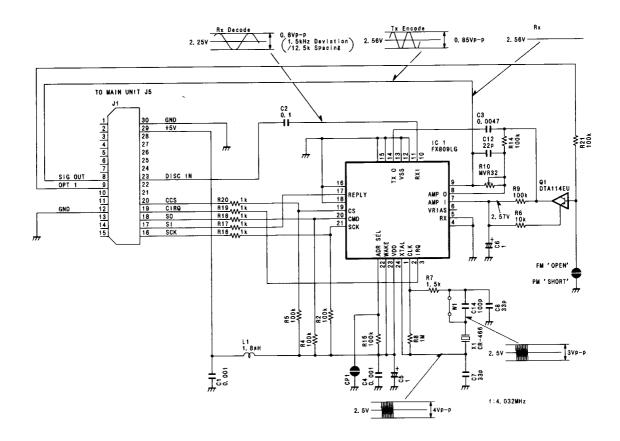




• IC-F35 LPF BOARD



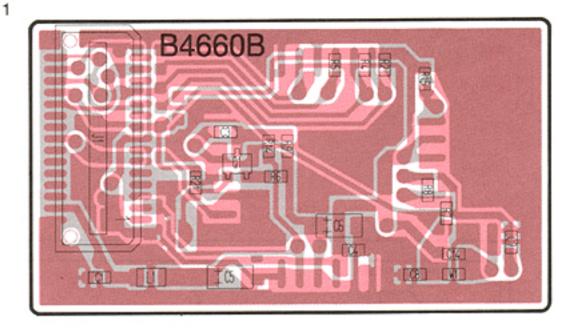
## **10-1 VOLTAGE DIAGRAM**

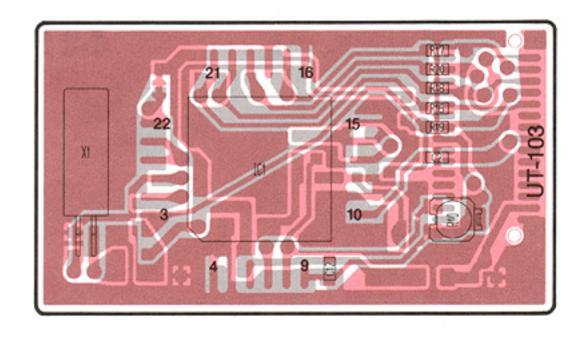


# 10-2 BOARD LAYOUT

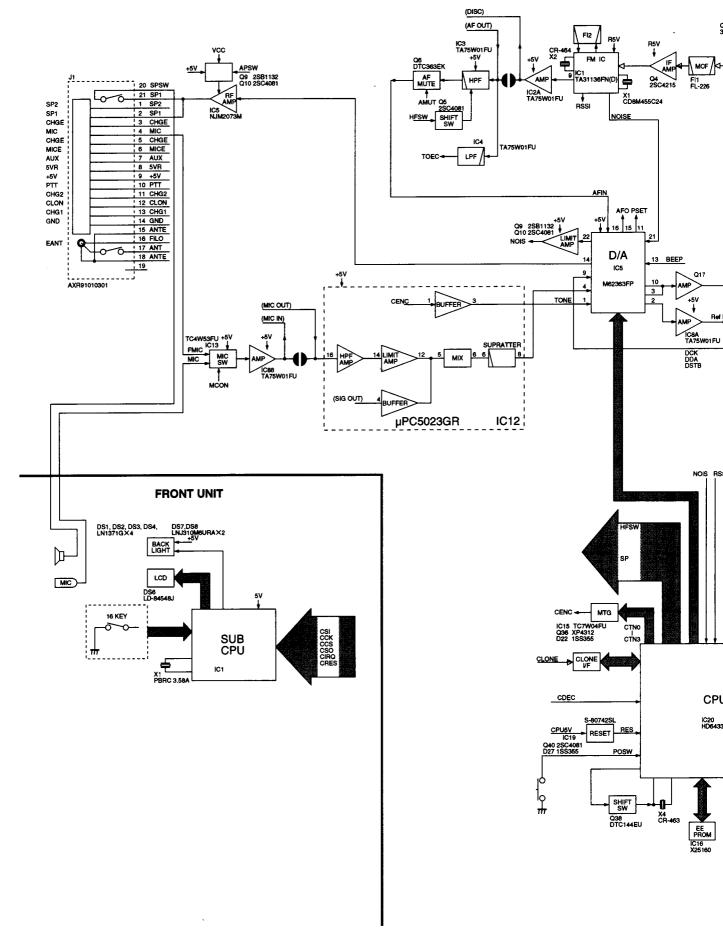
	J1		
30	GND	NC	
TO MAIN UNIT J5	CPU5V	NC	
	NC	NC	
	NC	NC	
	NC	NC	
	NC	NC	
	NC	NC	
	DISC	SIG OUT	
	NC	OPT 1	
	NC	NC	
5	CCS	NC	
	CIRQ	GND	
	SO	NC	
	SI	NC	
16	SCK	NC	

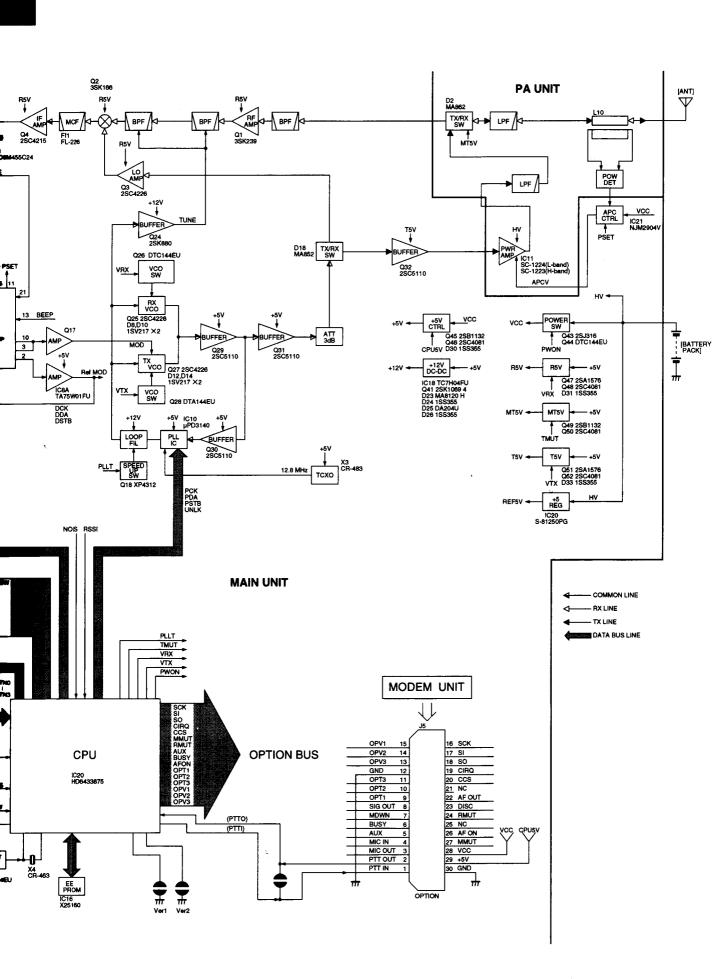
15

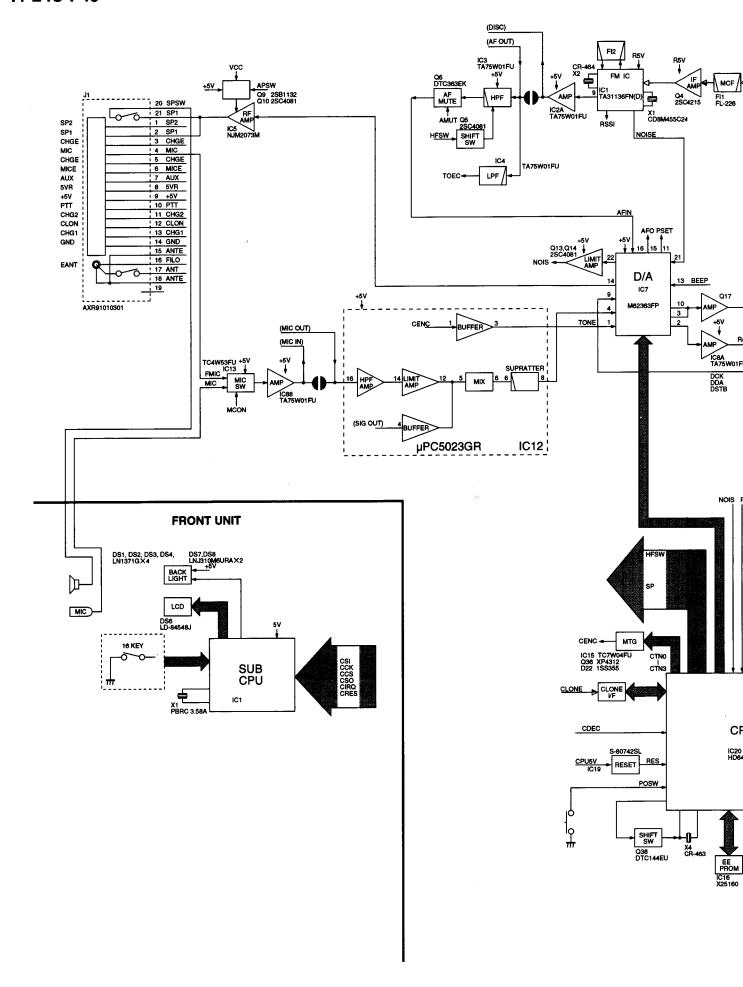


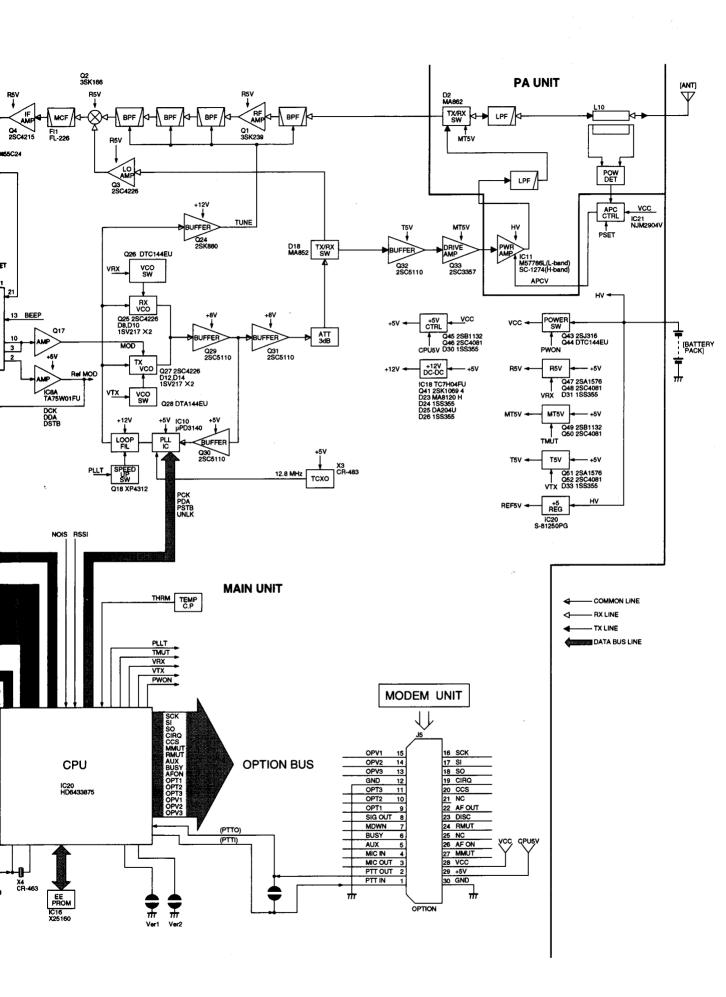


## 11-1 IC-F35



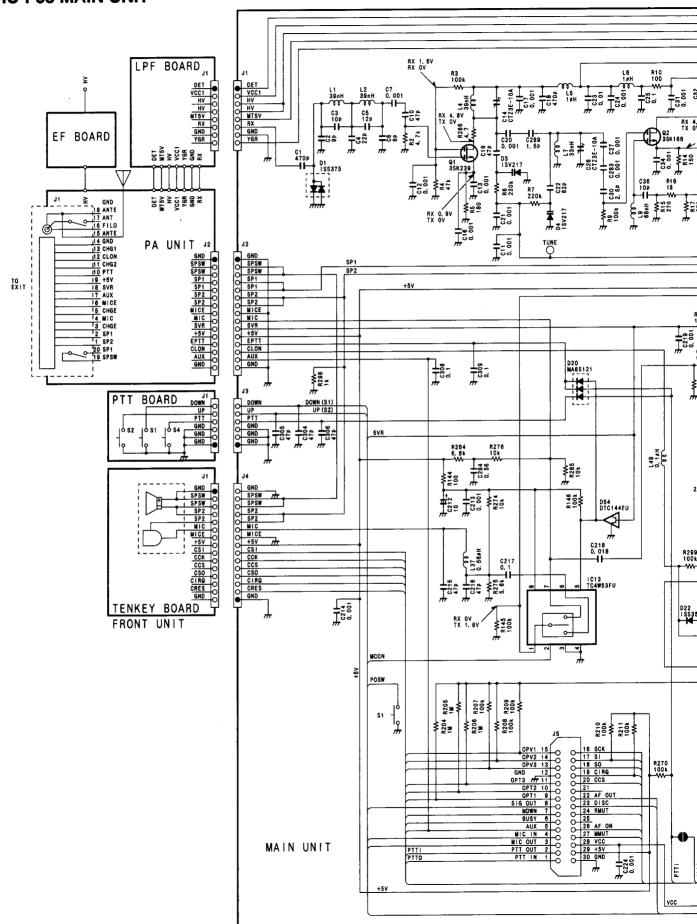


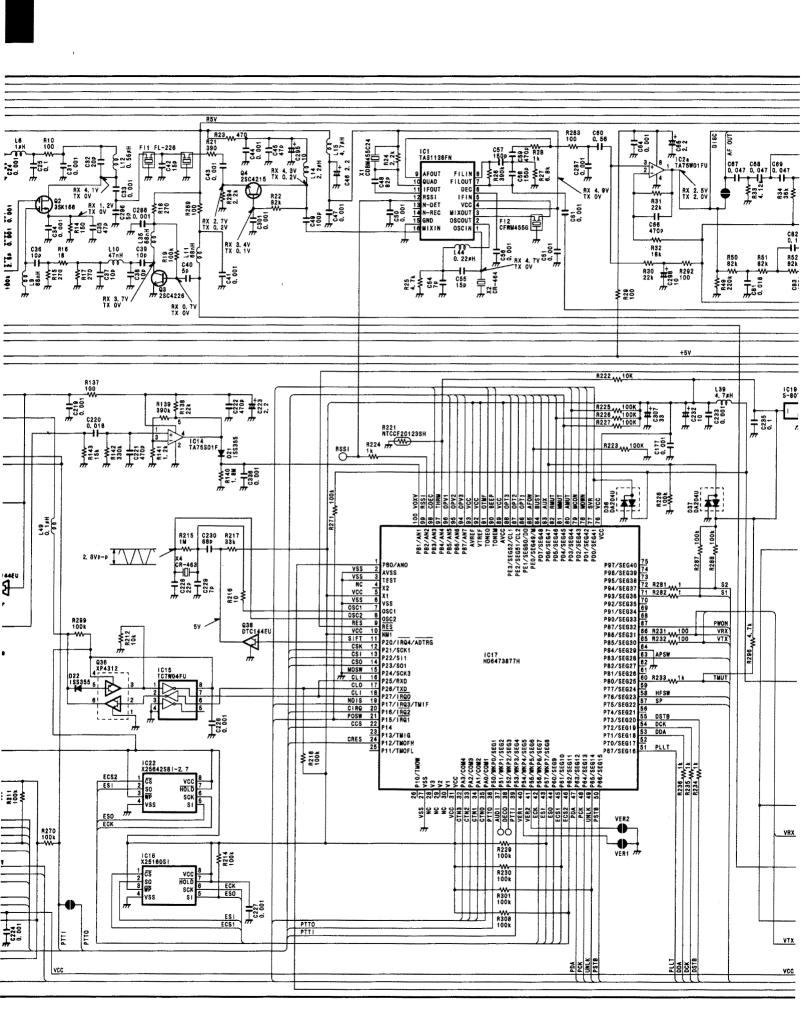


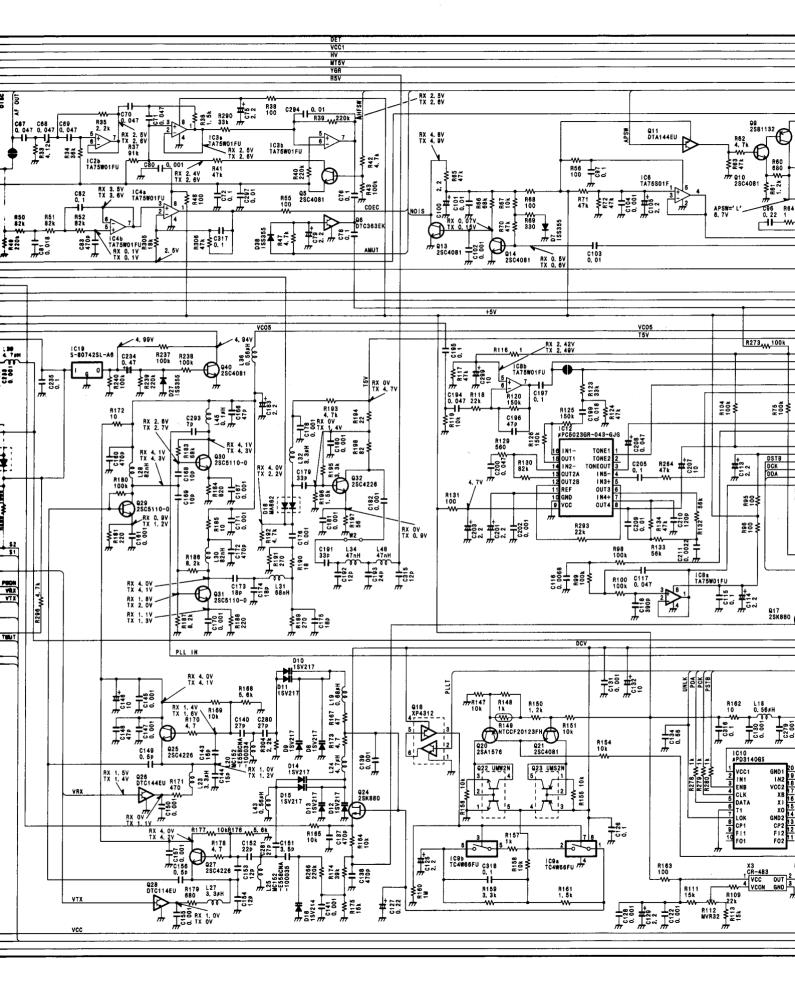


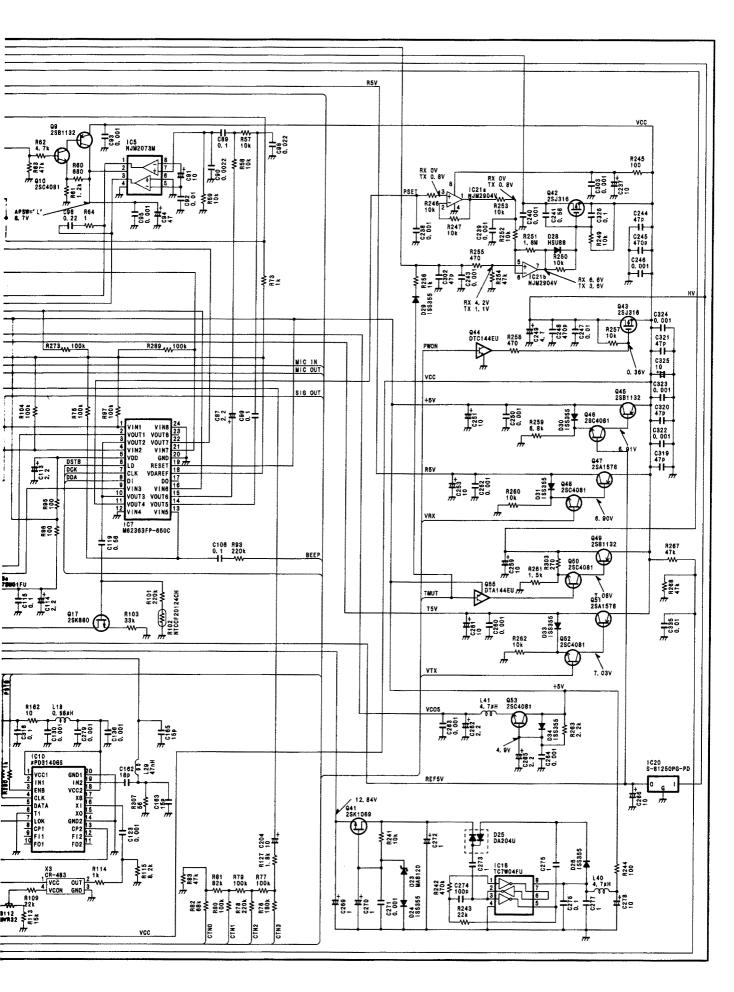
# **SECTION 12 VOLTAGE DIAGRAM**

#### **12-1 IC-F35 MAIN UNIT**

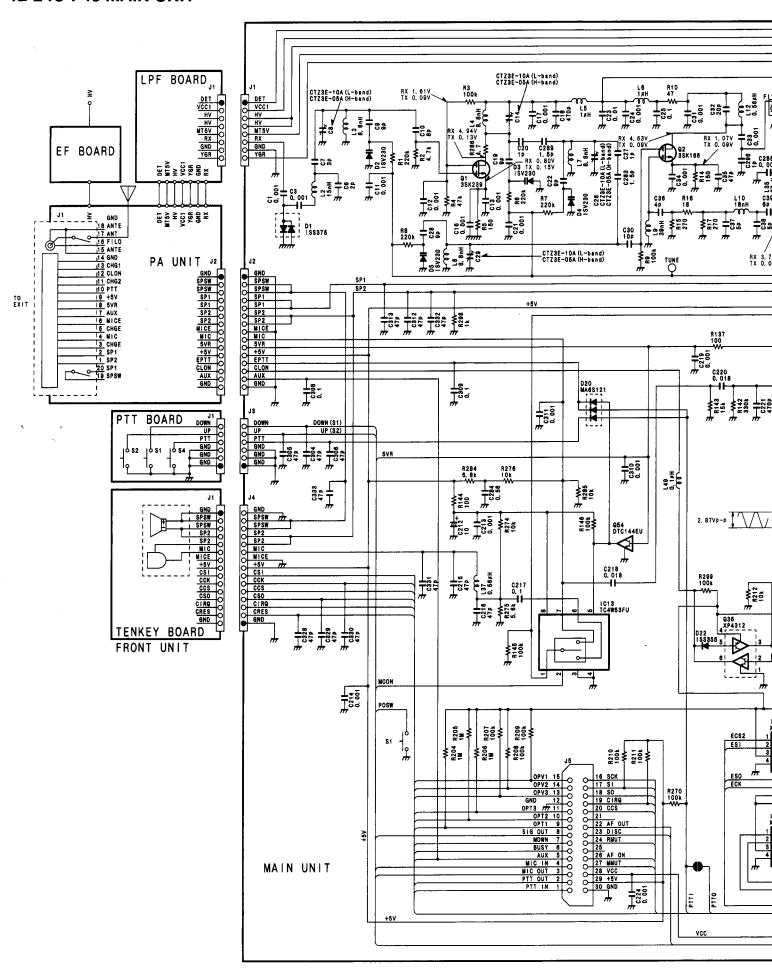


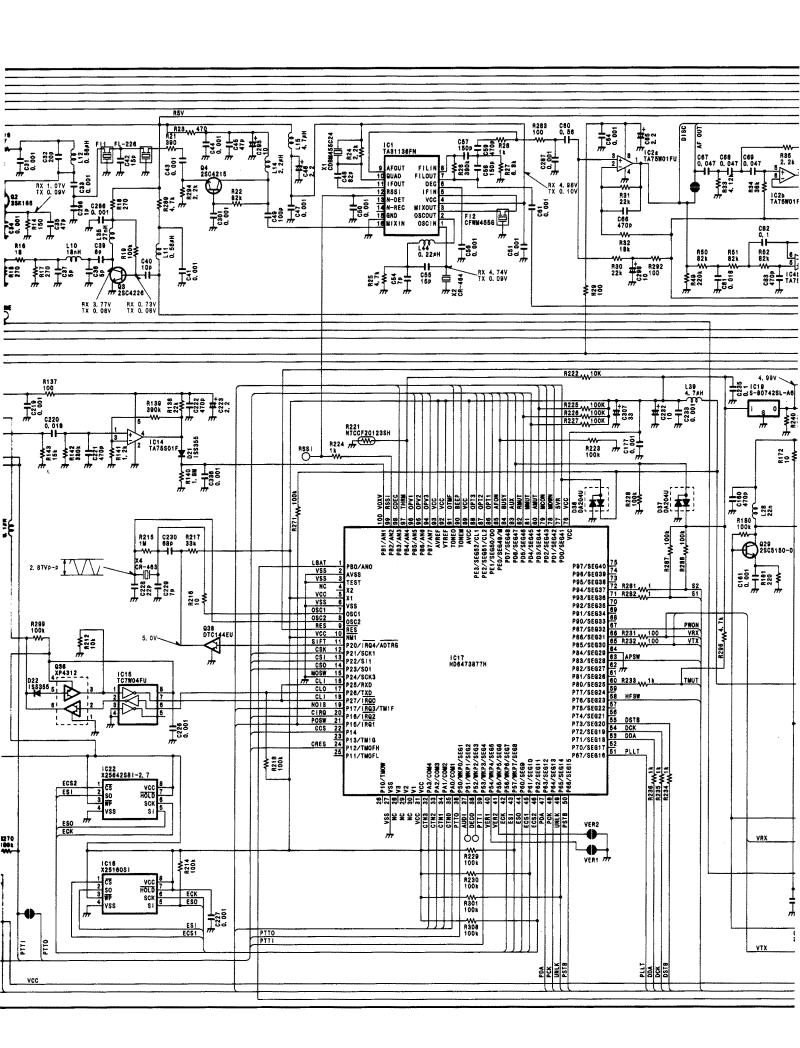


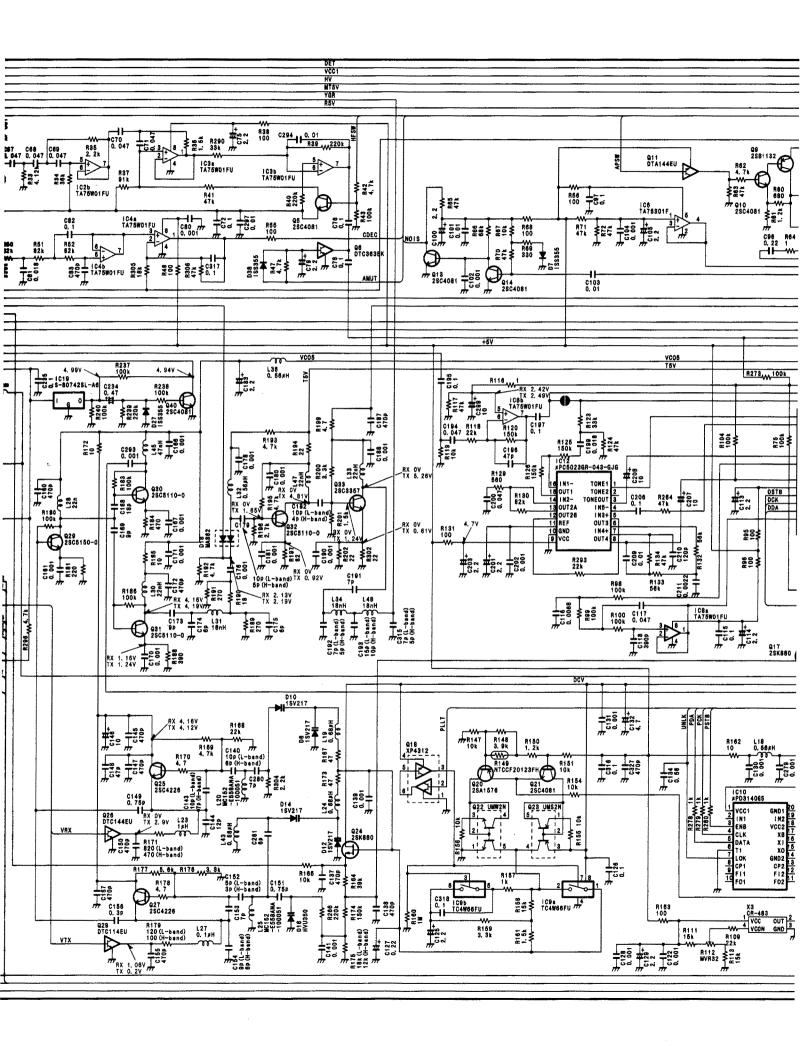


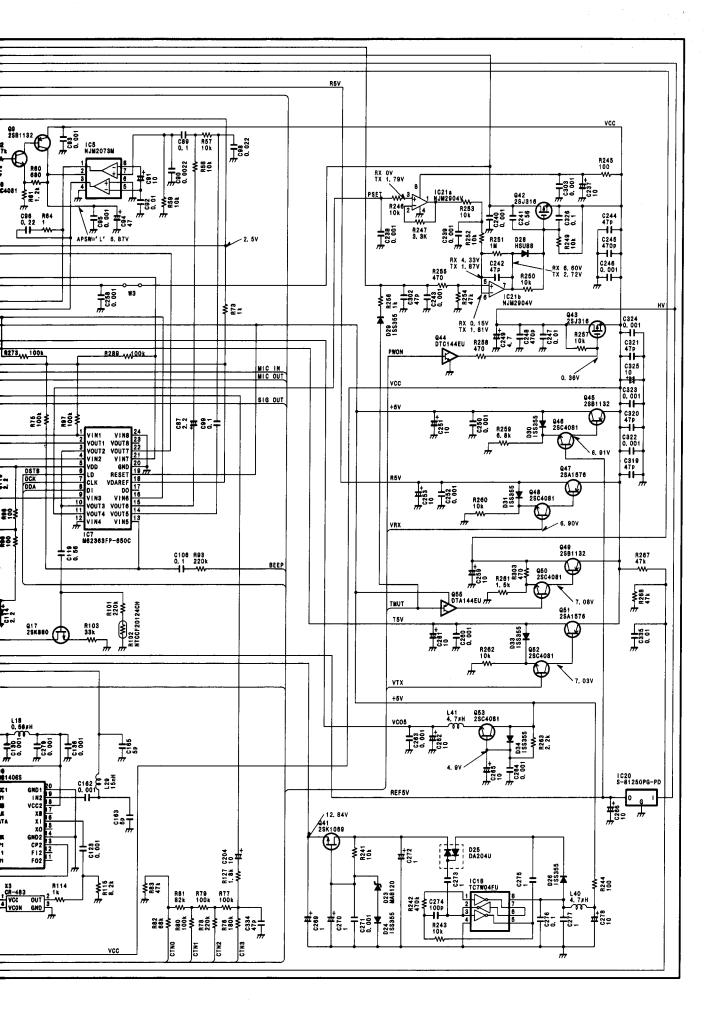


#### **12-2 IC-F45 MAIN UNIT**

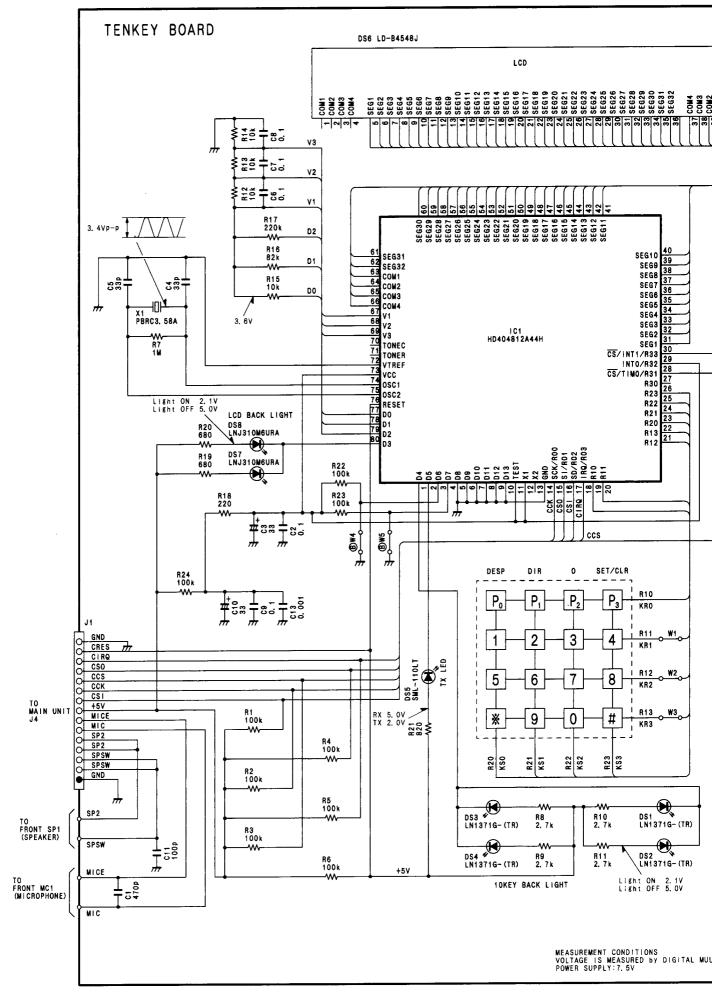


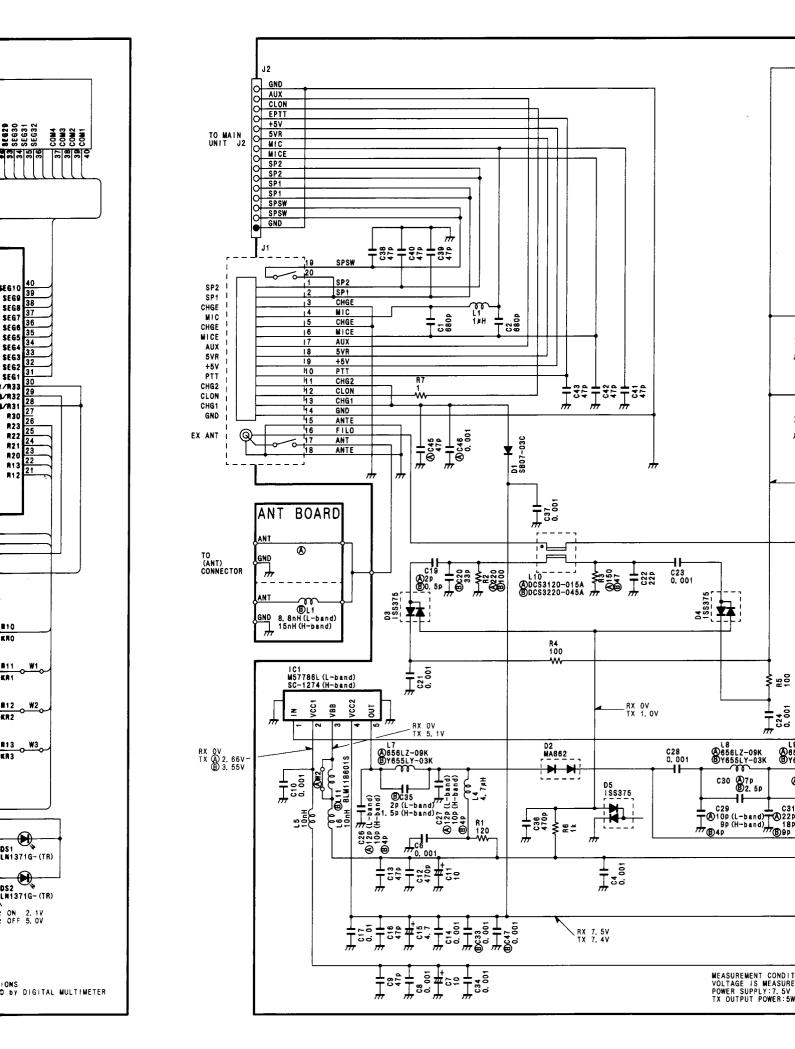


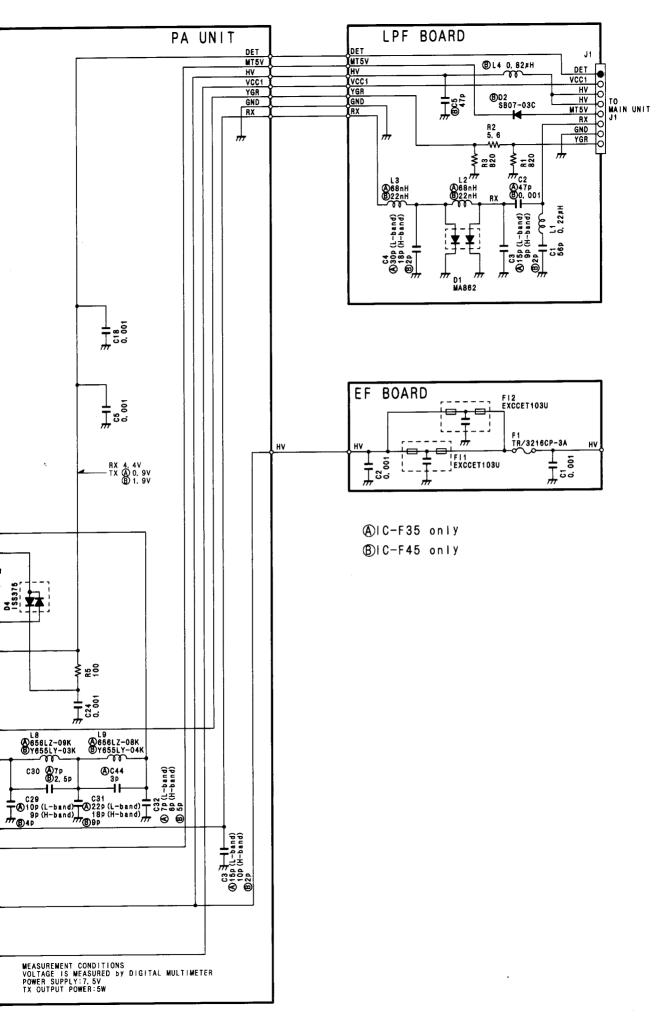




## 12-3 TENKEY AND PA BOARD (COMMON)







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